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visit our website today to learn more about Osstem and its products

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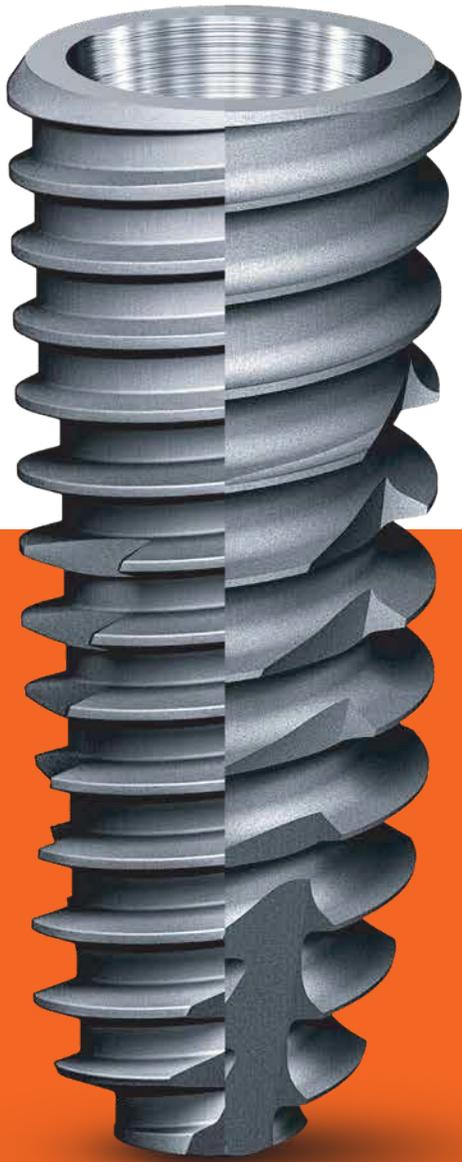
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OSSTEM[®]
IMPLANT



OSSTEM TS Implant System

OSSTEM[®]
IMPLANT

TS (Transcendent Solution) Implant System

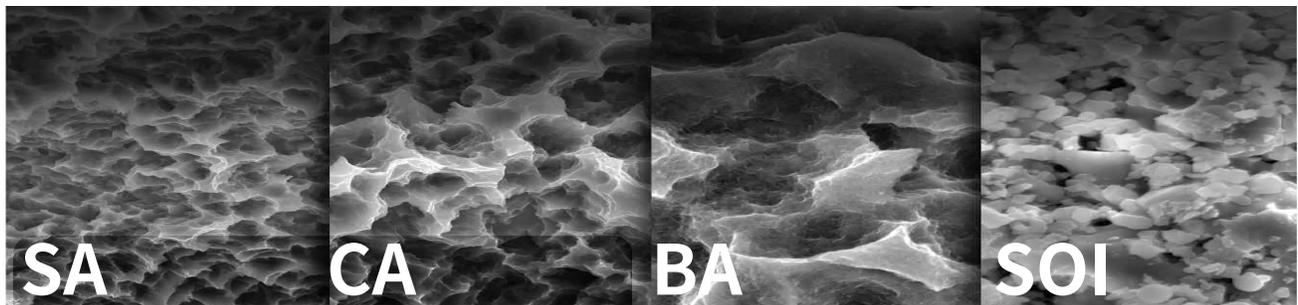
Osstem TS stands for **Transcendent Solution**, as it provides all the necessary tools that a clinician needs in order to perform successful treatment.

Our TS System has become one of the best choices for dental implant systems in the industry due to our commitment to extensive research and the development of high quality, safe, and innovative implants.

Immediate results

Osstem TS Implant design has a tapered body providing outstanding primary stability and surgical simplicity.

Osstem TS System



Osstem surface specification

- SA Surface: Sand-blasted with Alumina and Acid-etched surface treatment
- CA Surface: Super-hydrophilic SA surface suspended in a calcium solution
- BA Surface: Low crystalline nano-HA coated SA surface
- SOI Surface: Next-generation surface with hemostatic effect and pH control feature



Excellent primary stability

TS Implant system has been specifically designed to achieve predictable and minimally invasive placements in all bone types.



Prosthetic portfolio

The scope of our prosthetics covers a broad range of patients' conditions. By using our original components, you can have peace of mind to expect perfect matching and high-end manufacturing precision.

Osstem TS features

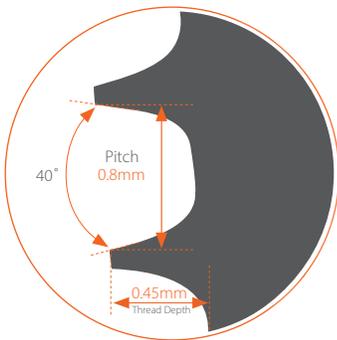
Our Implants stand for maximized clinical performance, improved esthetics and high patient satisfaction.

Our world-class implant surface treatment SA, CA, BA, and SOI helps by providing a minimally invasive procedure, excellent predictability, and treatment success.

TS III

1.5 Degree taper body

The apex mimics natural tooth providing strong initial stability even for immediate cases.



Optimal for all bone types

Suitable for immediate and early loading.

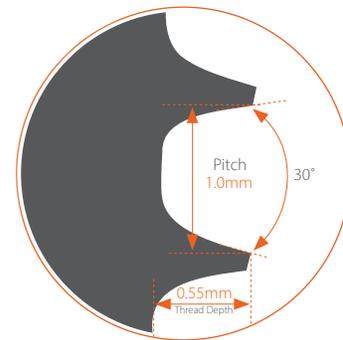
Primary usage

Any type of cases.
Ultra wide implants can also be used for rescue cases.

TS IV

6 Degree taper body

Minimized the damage to adjacent teeth roots. Similar shape to natural tooth root



*Based on TSIV Ø4.5

Optimal for soft bone

In order to insert the implant into the osteotomy, higher torque is required when the implant body design is more tapered.

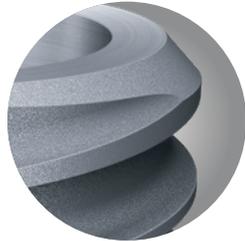
TSIV's taper body has a wider pitch than TSIII's to minimize over-torque.

Additional specifications

Pitch for TSIV Ø4.0 : 0.8mm
Pitch for TSIV Ø4.5, Ø6.0, Ø7.0: 1.0mm
Pitch for TSIV Ø5.0: 1.2mm
Thread depth varies with each size

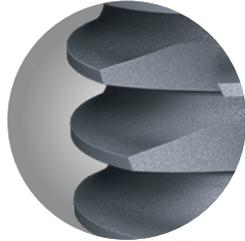
Systematic Bone Control

The combination of the following characteristics makes the TS Implant system capable of treating a wide range of indications with optimal primary stability and immediate procedures for all bone types.



Bone Control Design: Open Thread

Maximize crestal bone preservation for slightly subcrestal implant placement.



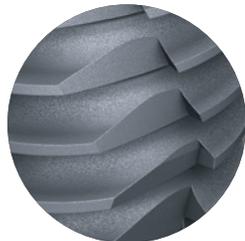
Aggressive Thread Design

Aggressive corkscrew threads for easy insertion from normal to challenging clinical cases.



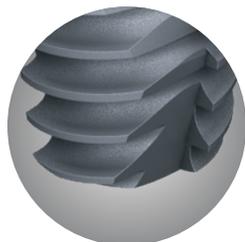
Fully Tapered Implant

Tapered body and vigorous threads provide better primary stability.



Triple Helix Cutting Edge

Prevents over-torquing during placement. Cuts and collects autogenous bone chips and distributes them around the implant body.



Deep Apical Threads

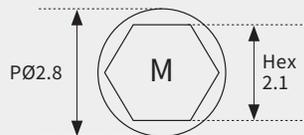
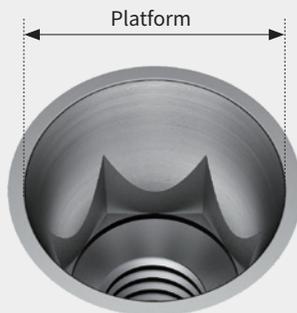
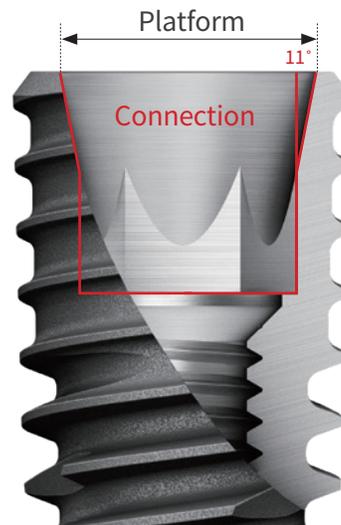
End cutting, self-tapping thread design allow for controlled implant placement even in challenging cases.

Engineered Stability with Tailored Implant Options

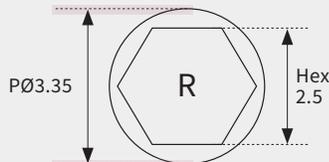
Submerged internal taper connection

Internal hex submerged implant with an 11° morse taper design facilitates conical sealing and provides superior implant stability, significantly reducing the risk of screw loosening.

Supports both one-stage and two-stage surgical protocols



M Mini Ø2.8, hex 2.1



R Regular Ø3.35, hex 2.5

Strong internal hex connection

The hex connection evenly distributes masticatory forces between the abutment and implant, minimizing micro-movements and enhancing overall stability.

Three options are available depending on the clinical indications



Specifications for **TS** Implant System

CONNECTION	PLACEMENT	DELIVERY OPTIONS	BODY DIAMETERS
 <p>Internal hex conical connection</p>	 <p>1.0mm Sub-crestal</p>	 <p>No Mount Pre-Mounted</p>	 <p> M Mini 3.2mm M Mini 3.5mm R Regular 4.0mm R Regular 4.5mm R Regular 5.0mm R Regular 5.5mm R Ultra Wide 6.0mm R Ultra Wide 7.0mm </p>

Specifications for **TSIII**

BODY TYPE	HEX PLATFORM	APICAL DIAMETER	LENGTHS (mm)
 <p>1.5° Morse Tapered</p>	M Mini 2.1mm (Narrow) R Regular 2.5mm	 <p> M Mini 2.2mm M Mini 2.5mm R Regular 2.8mm R Regular 3.1mm R Regular 3.7mm R Regular 4.0mm R Regular 4.2mm R Regular 5.1mm </p>	 <p> M Mini 8.5 10 11.5 13 15 R Regular 7 8.5 10 11.5 13 15 R Ultra Wide 6 7 8.5 10 11.5 13 </p>

**Note: For Implants with a length of 6mm are only available for implant with Ø5.0 above.
 For Implants with a length of 15mm can only be placed as custom orders.

Specifications for **TSIV**

BODY TYPE	HEX PLATFORM	APICAL DIAMETER	LENGTHS (mm)
 <p>6° Morse Tapered</p>	R Regular 2.5mm	 <p> M Mini 2.1mm R Regular 1.8mm R Regular 2.0mm R Regular 2.2mm R Regular 2.9mm R Regular 3.8mm </p>	 <p> R Regular 7 8.5 10 11.5 13 R Ultra Wide 7 8.5 10 11.5 13 </p>

**Note: Product availability may vary by country depending on the approval status by the regulatory authority for medical products in each country.

Provide a complete tooth replacement to your patients

Our extensive portfolio conveniently offers a complete range of clinical indications and choices of your need.

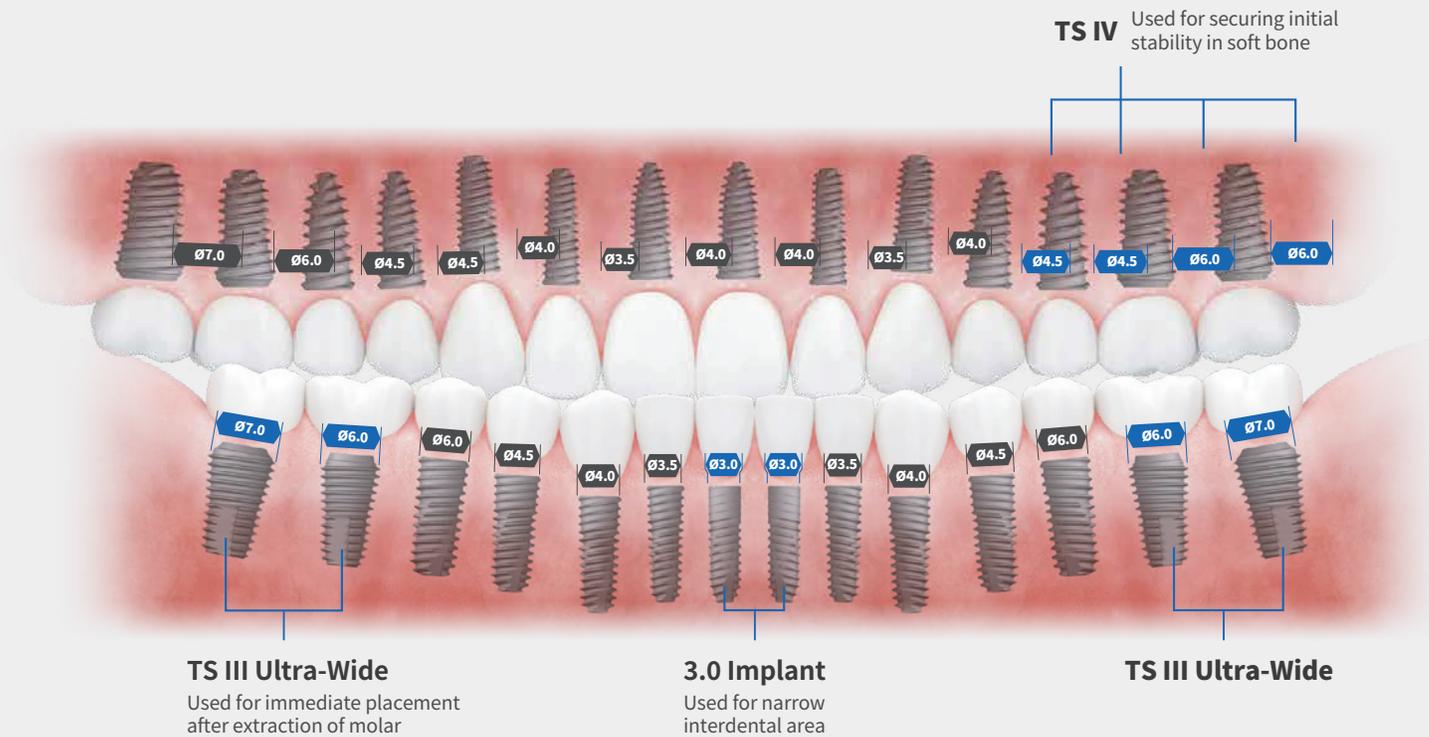


Fig 1. Implant size selection (Osstem's recommendations)

Actual clinical conditions and clinician's assessment of the patient should be the main criteria for choosing the size of an implant for a particular area



Osstem Mini Narrow 3.2 Implant

The TS 3.2 is made of Ti-alloy

- Specifically designed for lateral incisors
- Offers a wider restorative options and ideal esthetic results
- Can be used to mount full or partial dentures, crowns and other restorations



Osstem Mini 3.5 Implant

The TS 3.5 Mini Implant is made of "Grade 4" Pure Titanium

- Less impact on the jawbone and requires less bone for support
- Can be used to mount full or partial dentures, crowns and other restorations

Optimized predictability and treatment success

Essential treatment system line-up

Careful selection of the implant is mandatory to achieve successful, predictable, and consistent treatment outcomes.

IMPLANT TYPE	IMAGE	IMPLANT FEATURES
TS III		<p>1.5° morse tapered angle is ideal for obtaining primary stability.</p> <p>Suitable for immediate and early loading. Suitable for all types of bones.</p> <p>**Available in SA, CA, BA, and SOI Surface Treatment</p>
TS IV		<p>Designed with a tapered body and wider thread pitch, TSIV ensures stronger primary stability and reduces the risk of implant instability in compressed bone areas.</p> <p>Suitable for soft bone and maxillary sinus procedures.</p> <p>**Available in SA, CA, and BA Surface Treatment</p>



Osstem Regular Implant

The TS Regular Implants are made of “Grade 4” Pure Titanium

- Provides more primary stability
- Permanent solution to tooth loss
- Recommended for all bone types and procedures



Osstem Ultra-wide Implant

The TS Ultra-Wide Implants are made of “Grade 4” Pure Titanium

- Alternative when the bone quality in the posterior teeth is relatively low
- Rescue cases
- Suitable for posterior, mainly molars

TS Abutment Overview

Single / Bridge Case

						
	Rigid	Transfer	Angled	FreeForm ST	GoldCast	NP-Cast
	1-Piece	2-Piece				
Prosthetic Type						
Screw					•	•
Cement	•	•	•	•	•	•
Combination		•	•	•	•	•
Impression Type						
Abutment Level	•	•				
Fixture Level		•	•	•	•	•

							
SmartFit	Link	ZioCera	Temporary	Quick Temporary	Multi	Multi Angled	Convertible
	2-Piece				3-Piece		
	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
					•	•	•
•	•	•	•	•			

Overdenture Case

						
	Multi	Multi Angled	Convertible	Stud	Locator	Port Angled
Prosthetic Type						
Retentive Anchor				●	●	●
Bar Frame	●	●	●			
Impression Type						
Abutment Level	●	●	●	●	●	●
Fixture Level						

Note.

Single / Bridge Case

1-piece Rigid type is representative; prosthesis can be fabricated as abutment level impression or cement type only.

2-piece Transfer type is representative; prosthesis can be fabricated using fixture level impression as cement or combination type (rigid impression components can also be used for abutment level impression).

Angled / FreeForm ST: Prosthesis can be fabricated using fixture level impression as cement or combination type; suitable for various oral conditions and prosthesis types, customizable based on the user's needs.

GoldCast / NP-Cast / ZioCera: Prosthesis can be fabricated using fixture level impression as screw or cement or combination type (Caution: Risk of deformation or fracture during screw type prosthesis fabrication).

SmartFit / link: CAD/CAM-related products; designed based on oral conditions and prosthesis type for customized abutment fabrication.

3-piece Multi / convertible type can be used for screw, cement, or combination prosthesis with abutment level impression; effective for bridge cases with poor path alignment.

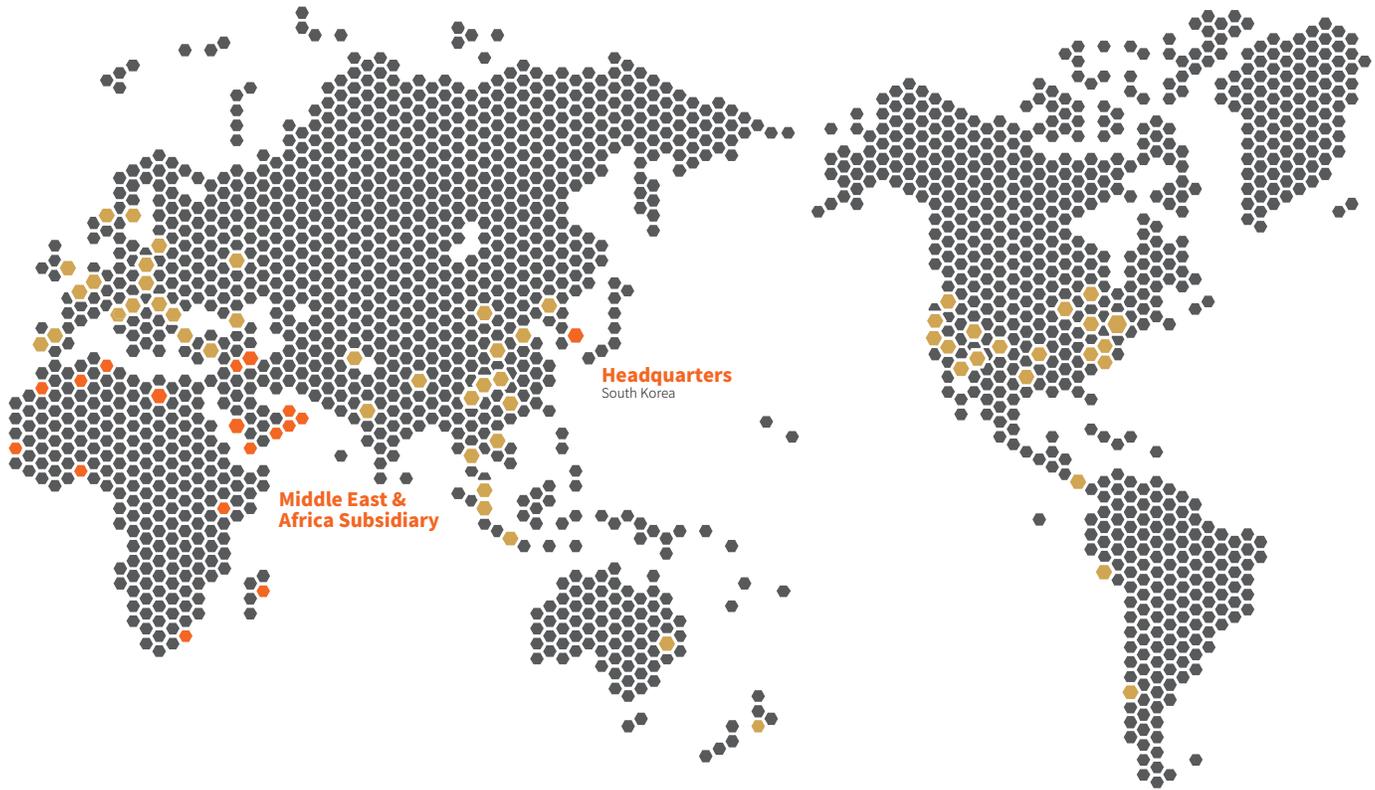
Overdenture Case

1-piece Stud type (o-ring / locator) is representative; removable overdenture can be fabricated using abutment level impression.

3-piece Multi / convertible type is effective for overdenture fabrication using bar frame with abutment level impression.

* The above contents describe general methods per product, and should be selected after considering the patient's oral condition and habits, fixture installation status, clinical experience, and prognosis.

Providing quality dental implants, services, and solutions to your patients.



With subsidiaries in multiple countries, our global network extends across more than 70 countries worldwide

EMEA

GERMANY	ITALY
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UKRAINE	GREECE
FRANCE	LATVIA
HUNGARY	ESTONIA
SWITZERLAND	LEBANON
NORWAY	TUNISIA
FINLAND	MACEDONIA
UK	SLOVENIA
POLAND	KOSOVO
ROMANIA	BULGARIA
CZECH	GEORGIA
SLOVAKIA	EGYPT
SERVIA	SOUTH AFRICA
PORTUGAL	ALBANIA
SPAIN	TAJIKISTAN

ASIA / OCEANIA

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JAPAN	NEW ZEALAND
CHINA	TURKEY
CHINESE TAIPEI	PAKISTAN
VIETNAM	KUWAIT
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HONGKONG CHINA	SAUDI
MONGOLIA	OMAN
MALAYSIA	JORDAN
SINGAPORE	PALESTINE
INDIA	IRAN
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THAILAND	PAPUA NEW
INDONESIA	GUINEA
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UZBEKISTAN	SRI LANKA

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