

Edition 08 / 2010

TS III SA Implant System

OSSTEM[®]
IMPLANT

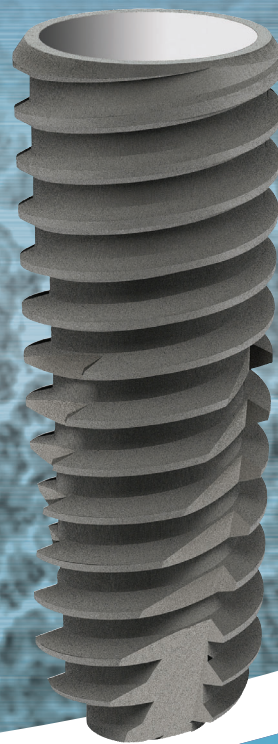
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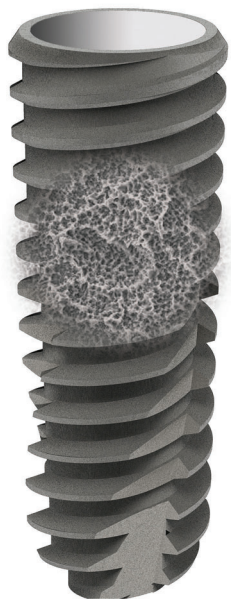
TS III SA Implant System



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OSSTEM SA surface

OSSTEM SA Surface

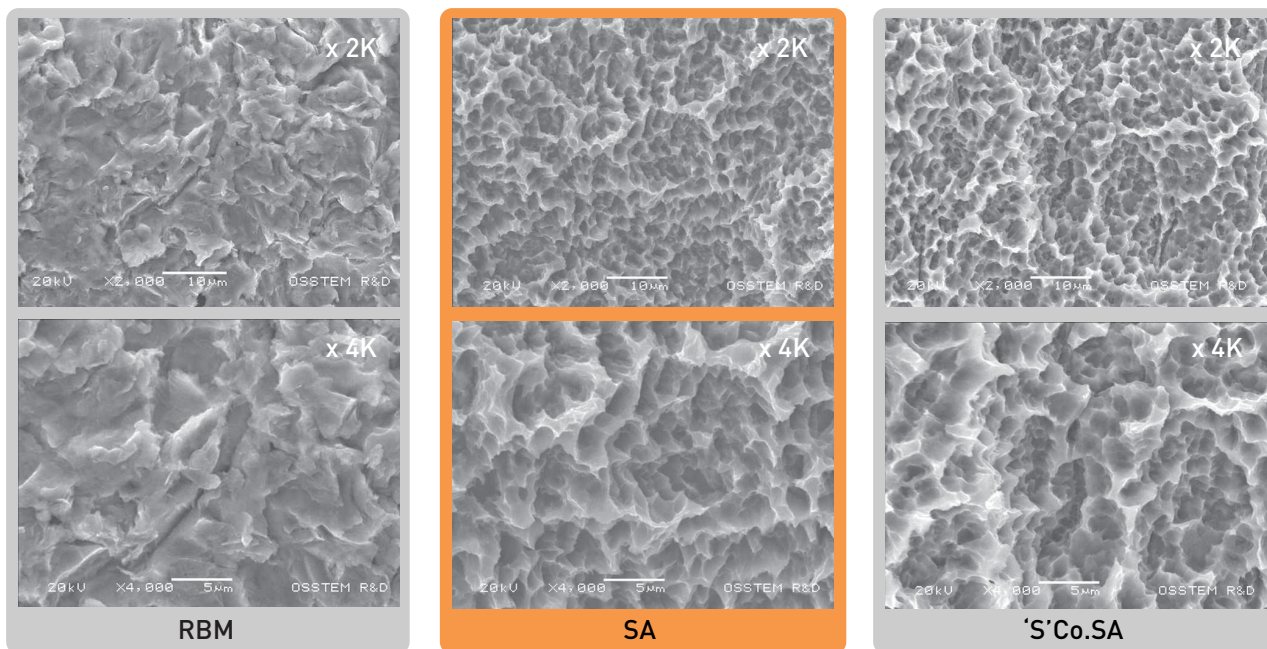


OSSTEM[®] SA Surface IMPLANT

SA : Sand blasted with alumina and **A**cid etched surface

- Optimal morphology : Combination of crater and micro-pit
- Optimal surface roughness : Ra 2.5~3.0 μm
- Early cell response : 20% faster than RBM
- Early bone healing : 20% faster than RBM
- Early loading possible after 6 weeks of placement.

OSSTEM SA & 'S' surface morphology and roughness increased by 45% compared to RBM treatment.



SEM (Scanning Electron Microscope) image

TS III SA Implant overview

TS III SA implant overview

TS III SA implant, developed with extensive R&D experiences of Osstem Implant, features an SA surface treatment that fully exploits the excellent pluri-potential capacity of osteoblastic cells. It shortens the bone healing time, and improves the secondary attachment force. In addition, SA surface is adopted to have a convenient placement and initial stability due to its optimal body design.

Single Pitch Micro Thread

- 0.8pitch x 0.25depth x double lead
- Synchronized thread
- Optimized design for SA surface
- Reinforce fixture strength

Corkscrew Thread

- 0.8pitch x 0.5depth x double lead
- Powerful self threading
- Keep implant path
- Easy to change the path
- High initial stability
- Decrease sensitivity on drill size

Open Thread

- Prevents bone necrosis

Helix Cutting Edge

- Powerful self threading
- Easy path change

Apical design

- Self drilling ability
- Increased initial stability at fresh extraction socket

Compatibility



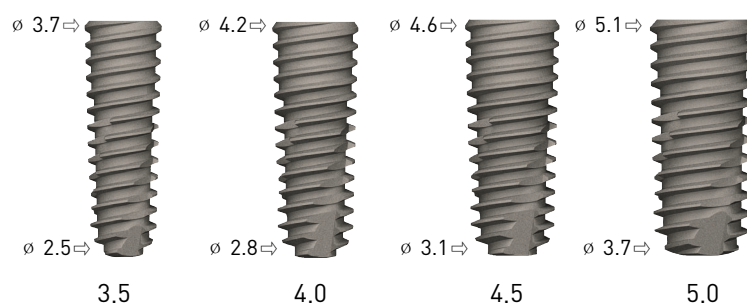
TS III SA Implant overview

TS III SA Fixture Line Up

TS III SA Fixture can be specified by four different diameters (3.5, 4.0, 4.5 and 5.0mm), and by packaging for No-mount fixture and Pre-mounted fixture (Fixture + Mount + Cover screw). The surface treatment applied to GS III Fixture is SA(Sand blasted with alumina and Acid etched).

NoMount Fixture

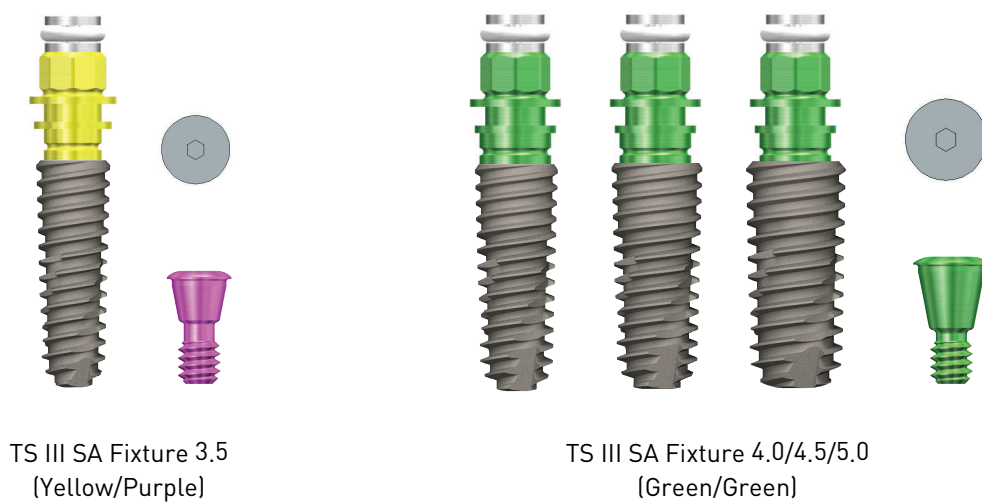
Fixture : Product Code (Ex:TS3S4011S)



※ The following labeled dimension may differ from the actual dimension.

Pre-mounted Fixture (Simple Mount)

Fixture + Mount + Cover Screw : **B** + Product Code (Ex:**B**TS3S4011S)

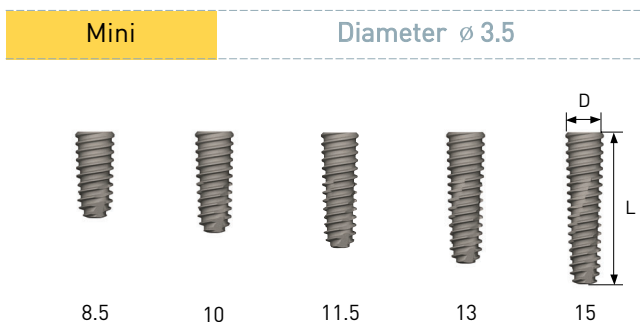


TS III SA Implant overview

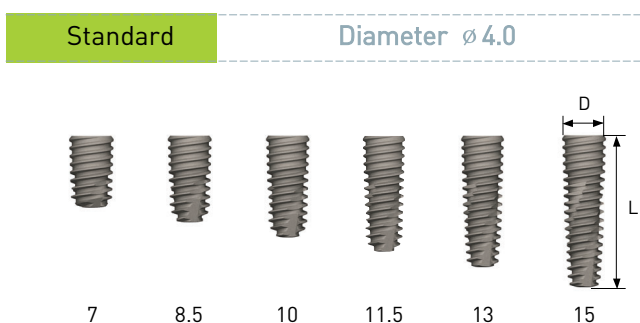
TS III SA Fixture Line Up

M **S** Connection

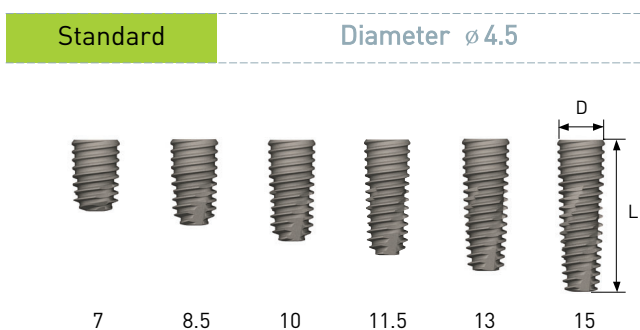
* The following labeled dimension may differ from the actual dimension.



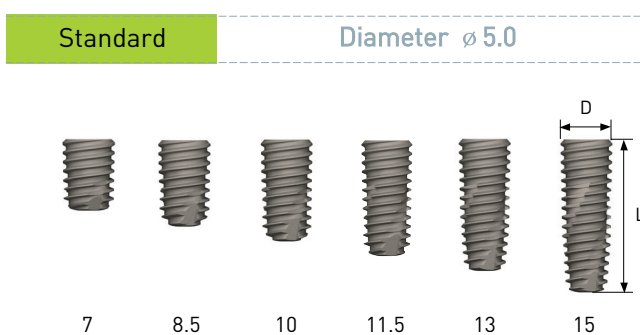
Connection		Mini
L \ D		$\phi 3.5$
7		-
8.5		TS3M3508S
10		TS3M3510S
11.5		TS3M3511S
13		TS3M3513S
15		TS3M3515S



Connection		Standard
L \ D		$\phi 4.0$
7		TS3S4007S
8.5		TS3S4008S
10		TS3S4010S
11.5		TS3S4011S
13		TS3S4013S
15		TS3S4015S



Connection		Standard
L \ D		$\phi 4.5$
7		TS3S4507S
8.5		TS3S4508S
10		TS3S4510S
11.5		TS3S4511S
13		TS3S4513S
15		TS3S4515S



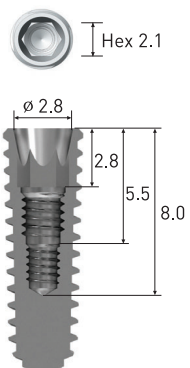
Connection		Standard
L \ D		$\phi 5.0$
7		TS3S5007S
8.5		TS3S5008S
10		TS3S5010S
11.5		TS3S5011S
13		TS3S5013S
15		TS3S5015S

TS III SA Implant overview

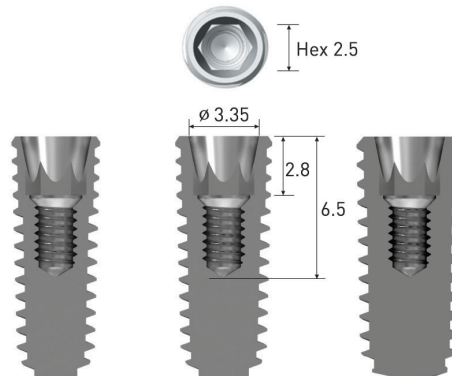
TS III SA Fixture Line Up

TS III SA Fixture has two types of abutment connection specifications: one is the Mini Connection for the $\varnothing 3.5$ fixture, and the other is the Standard Connection for other diameters. The Mini Connection must be used with separate abutment; in contrast, the Standard Connection can be used with the same abutment for fixtures more than $\varnothing 4.0$ regardless of the diameter.

Mini (3.5)



Standard (4.0/4.5/5.0)

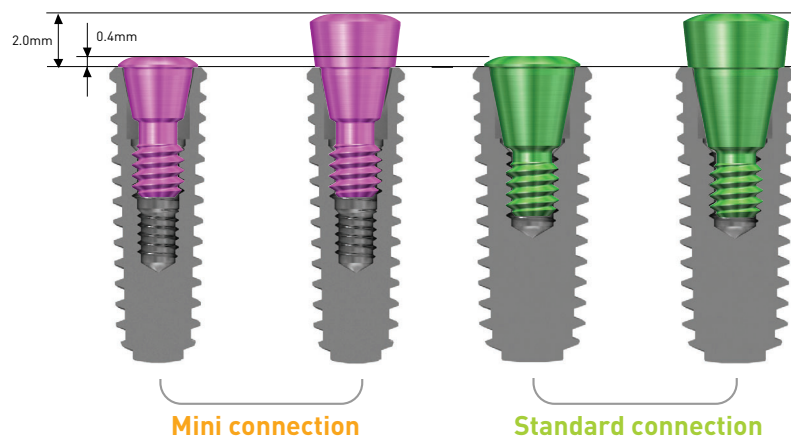


Cover Screw



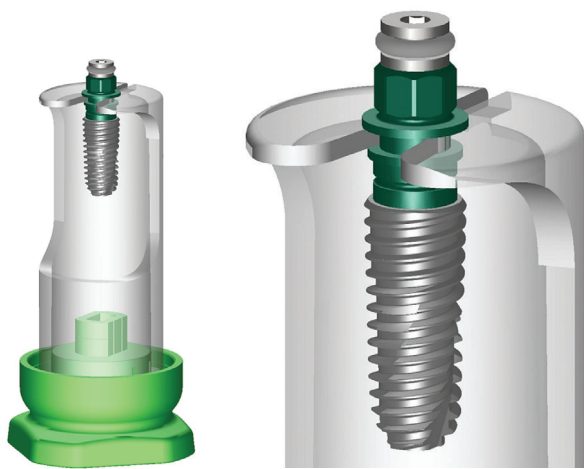
Color	Purple		Green	
Fixture	$\varnothing 3.5$		$\varnothing 4.0$, $\varnothing 4.5$, $\varnothing 5.0$	
Code	GSCS35	GSCS35L	GSCS40S-G	GSCS40L-G

- Packing unit: Cover Screw
- Use a long cover screw when fixture implanted under the bone level
- 1.2 Hex Driver used
- Tightening torque: 5~8Ncm



TS III SA Implant overview

TS III SA Packing System



● New Ampoule User's Guide

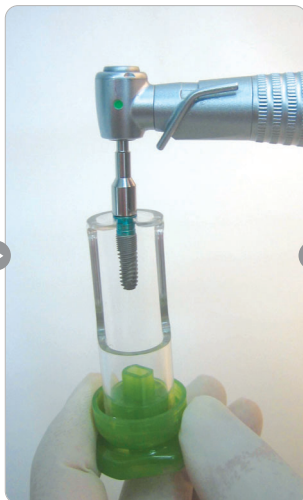
- Applying: Grip type ampoule to protect TS III SA surface



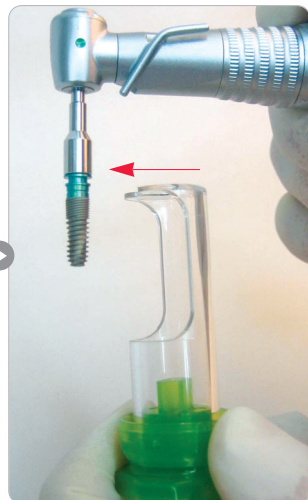
1. Remove the back of blister (sterilized condition is not guaranteed once the blister is removed).



2. Remove the Capsule by rotating



3. Connect Driver; clicks when properly connected



4. Remove Fixture from grip holding