TS Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

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OSSTEM IMPLANT

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OSSTEM HISTORY

2012
- Nov Hosts 'OSSTEM ATC Forum 2012 Seoul'
- Jul Registers and obtains approval from FDA in Mexico
  Established OSSTEM Dental Equipment Research Institute
- Jun Develops and begins commercial production of TSIII CA
  Develops and begins commercial production of ESSET Kit for Ridge Split
- May Develops and begins commercial production of MS SA
- Apr Hosts 'OSSTEM World Meeting 2012 Taipei'
  Develops and begins commercial production of TSIII BA
  Registers and obtains approval from Ministry of Health in Indonesia
  Develops and begins commercial production of USIII SA
- Mar Develops and begins commercial production of USIII SA
  Develops and begins commercial production of SSIII HA
  Registers and obtains approval from Ministry of Health and Welfare in Kazakhstan

2011
- Dec Introduces and commences commercial production of K2 Unit & Chair
- Nov Develops and begins commercial production of Smart Membrane
- Oct Registers and obtains approval from Health Canada
  Develops and begins commercial production of USII SA and 123 Kit
- Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
  Develops and begins commercial production of SSIII SA
  Registers and obtains approval from the Ministry of Health and Society in Vietnam
- Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
- Jul Develops and begins commercial production of CustomFit Abutment
  Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
- Jun Develops and begins commercial production of TSII SA
  Hosts 'OSSTEM World Meeting 2011 in Seoul'
- Apr Develops and begins commercial production of LAS Kit
  Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
- Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
- Feb Develops and begins commercial production of TSIV SA

2010
- Nov Develops and begins commercial productions of SSII SA
- Aug Develops and begins commercial productions of TSIII Ultra-wide
- Jun Develops and begins commercial productions of TSIII HA and CAS Kit
  Opens 'OSSTEM World Meeting 2010 in Beijing'
- Apr Develops and begins commercial productions of Osstem Guide
- Mar Develops and begins commercial productions of TSIII SA

2009
- Oct Registers and obtains approval from Health, Labor and Welfare in Japan
- May Hosts 'OSSTEM World Meeting 2009 in Bangkok'
- Jan Certifies PEP7 (the world's first new Osseo-inductive compound)

2008
- Nov Develops and begins commercial productions of SS Ultra-wide
- Jun Develops and begins commercial productions of GSIII
- Apr Holds 'OSSTEM World Meeting 2008 in Seou'
- Mar Opens ATC Training Center
- Jan Establishes OSSTEM Bone Science Institute

2007
- Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
- Jun Registers and obtains approval from the TGA in Australia
- May Develops and begins commercial production of US Ultra-wide
- Apr Hosts 'OSSTEM World Meeting 2007 in Seoul'
  Begins commercial production of V-ceph
- Mar Develops and begins commercial production of MS
  Lists on KOSDAQ (KRX: Korea Exchange)

2006
- Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
  Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
- Nov Registers and obtains approval from the SFDA in China
- Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
- Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
- Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
- Apr Registers and obtains the GOST-R certification in Russia
  Opens 'OSSTEM World Meeting 2006 in Seoul'
  Publishes the 「2006 OSSTEM IMPLANT SYSTEM」- Introduction and particulars of implant system
- Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005
- Dec Registers and obtains approval by the DOH in Taiwan
  Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
- May Develops and begins commercial production of GSII
- Apr Hosts 'OSSTEM World Meeting 2005 in Seoul'
- Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
- Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004
- Nov Develops and begins commercial production of SSIII
- Jul Develops and begins commercial production of USIII
- Apr Opens 'OSSTEM World Meeting 2004 in Seou'

2002
- Oct Develops and begins commercial production of SSII
- Aug Registers and obtains approval by the FDA in the USA
  Develops and begins commercial production of USII
- Jan Establishes OSSTEM Implant R&D Center

2001
- Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
- Jan Obtains CE-0434 certification

1999
- Dec Obtains ISO-9001 certification

1997
- Dec Begins commercial production under the brand name of OSSTEM
- Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

1995
- Develops dental implants and acquires industrial license

1992
- Initiates the development of dental implant system

CHARACTERISTIC of OSSTEM IMPLANT SYSTEM

OSSTEM Implant key reference (as of Mar.2012)

■TS System - Clinic

No.	Title	Reference	Author
1	Comparison of Clinical Outcomes of Sinus Bone Graft with Simultaneous Implant Placement: 4-month and 6-month FinalProsthetic Loading	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011 Feb;111(2):164-9	Young-Kyun Kim et al.
2	Prospective study of tapered RBM surface implant stability in themaxillary posterior area	Accepted in 2011 Oral Surg Oral Med Oral Pathol Oral Radiol Endod.	Young-Kyun Kim et al.
3	A 1-year Prospective Clinical Study of Soft Tissue Conditions and Marginal Bone Changes around Dental Implants after Flapless Implant Surgery	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011 Jan;111(1):41-6	Seung-Mi Jeong et al.
4	Short-Term Retrospective Clinical Study of Resorbable Blasting Media Surface Tapered Implants.	J Korean Assoc Maxillofac Plast Reconstr Surg 2011;33(2):149-53	Young-Kyun Kim et al.
5	Early loading after sinus bone graft and simultaneous implant placement	Australasian Dental Practice 2011(March/April): 136-42	Young-Kyun Kim et al.
6	Evaluation of the feasibility of bony window repositioning without using a barrier membrane in sinus lateral approach	J Korean Assoc Oral Maxillofac Surg 2011;37(2):122-6	Chang-Joo Park et al.
7	A short-term clinical study of marginal bone level change around microthreaded and platform-switched implants	J Periodontal Implant Sci 2011;41:211-7	Kyoo-Sung Cho et al.
8	Analysis of Prognostic Factors after a Variety of Osstem® Implant Installation	J Korean Implantology(KAOMI) 2011;15(2):170-9	Young-Kyun Kim et al.
9	Clinical Comparison of Immediately Loaded and Delayed Loaded OSSTEM GSIII Implant in Partially Edentulous Patients	J Kor Stomatognathic Function occlusion 2011;27(3):267-75	Yang-Jin Yi et al.
10	A Prospective Multicenter Study on the Clinical Success Rate of the Osstem Implant (New GSII RBM) in Edentulous Patients	J Korean Implantology(KAOMI) 2011;15(2):142-52	Su-Kwan Kim et al.
11	A Relaxed Implant Bed: Implants Placed After Two Weeks of Osteotomy with Immediate Loading - A One Year Clinical Trial	Accepted in 2010 for Publication in J Oral Implantol.	Bansal DJ et al.
12	Subjective satisfaction of clinician and Short-termClinical Evaluation of Osstem TSIII SA Implant	J Korean Cilnical Implant 2010;30(7):430-43.	Young-Kyun Kim et al.
13	Short-term, Multi-center Prospective Clinical Study of Short Implants Measuring Less than 7mm	J Kor Dent Sci 2010;3(1):11-6	Young-Kyun Kim et al.
14	Effects of Flapless Implant Surgery on Soft Tissue Profiles: A Prospective Clinical Study	Clin Implant Dent Relat Res. 2011 Dec;13(4):324-9	Byung-Ho Choi et al.
15	Evaluation of Survival Rate and Crestal Bone Loss of the Osstem GS II Implant System	J Kor Dent Sci. 2009;3(1):30-3	Young-Kyun Kim et al.
16	Analysis of factors affecting crestal bone loss around the implants	J Kor Dent Sci. 2009;3(1):12-7	Young-Kyun Kim et al.
17	Retrospective study of GS II Implant(Osstem) with an internal connection with microthreads	J Kor Stomatognathic Function occlusion 2009;25(4):417-29	Young - Deok, Chee
18	Study On Radiographic Evaluation of Marginal Bone Loss Around Osseonintegrated Implant after Functional Loading	J Kor Oral Maxillofac Surg 2009;35:240-7	Se-Wook Koh et al.
19	Evaluation of Sinus Bone Resorption and Marginal Bone Loss after Sinus Bone Grafting and Implant Placement	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:e21-8	Young-Kyun Kim et al.
20	Evaluation of Periimplant Tissue Response according to the Presence of Keratinized Mucosa	Oral Surg Oral Med Oral Pathol OralRadiol Endod 2009;107:e24-8	Young-Kyun Kim et al.
21	The Use of Buccinator Musculomucosal Flap in Implant	Accepted in 2009 for Publication in Int J Periodontics Restorative Dent	Young-Kyun Kim et al.
22	Observation of the Change of the Dental Implant Stability andBone Density Evaluation Methods	J Korean Acad Periodontol 2009;39(2):185-92	Sok-Min Ko et al.
23	Clinical and Radiographic Evaluation of Implants with Dualmicrothread:1-year Study	J Korean Acad Periodontol 2009;39(1):27-36	Ju-Youn Lee et al.
24	Short term Retrospective Clinical Study on GS II, SS III, US III	J Korean Implantology(KAOMI) 2008;12(2):12-22	Young-Kyun Kim et al.
25	Analysis of Clinical Application of Osstem (Korea) Implant System for 6 Years	J Korean Implantology(KAOMI) 2006;10(1):56-65	Young-Kyun Kim et al.

■TS System - Biology

No.	Title	Reference	Author
1	Effects of Soft Tissue Punch Size on the Healing of Peri-implant Tissue in Flapless Implant Surgery.	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2010;109:525-30.	Byung-Ho Choi et al.
2	The Use of Autologous Venous Blood for Maxillary Sinus Floor Augmentation in Conjunction with Sinus Membrane Elevation: An Experimental Study.	Clin. Oral Impl. Res. 2010;21:346-9.	Byung-Ho Choi et al.
3	Morphogenesis of the Peri-Implant Mucosa: A Comparison between Flap and Flapless Procedures in the Canine Mandible	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:66-70	Byung-Ho Choi et al.
4	Blood Vessels of the Peri-Implant Mucosa: A Comparison between Flap and Flapless Procedures	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:508-12	Byung-Ho Choi et al.
5	Simultaneous Flapless Implant Placement and Peri-Implant Defect Correction: An Experimental Pilot Study in Dogs	J Periodontol 2008;79:876-80	Byung-Ho Choi et al.
6	The Effect of Thick Mucosa on Peri-implant Tissues: An Experimental Study in Dogs	J Periodontol 2008;79(11):2151-5	Byung-Ho Choi et al.
7	Er:YAG Laser Irradiated Implant Surface Observation with Scanning Electron Microscopy	J Korean Assoc Maxillofac Plast Reconstr Surg 2008;30(6):540-5	Seung-Ki Min et al.
8	Comparative Study of Removal Effect on Artificial Plaque from RBM Treated Implant	J Korean Assoc Maxillofac Plast Reconstr Surg 2007;29(4):309-20	Hee-Jyun Oh et al.
9	The Effect of Ca-P Coated Bovine Mineral on Bone Regeneration around Dental Implant in Dogs	J Korean Acad Periodontol 2006;36(4):913-23	Seoung-Ho Lee et al.
10	Scanning Electron Microscopic Study of Implant Surface after Er,Cr:YSGG Laser Irradiation	J Korean Assoc Maxillofac Plast Reconstr Surg 2006;28(5):454-69	Kyung-Hwan Kwon et al.

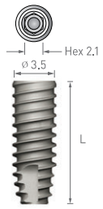
■TS System - Biomechanics

No.	Title	Reference	Author
1	Variation in the Total Lengths of Abutment/Implant Assemblies Generated with a Function of Applied Tightening Torque in External and Internal Implant-Abutment Connection.	Clin. Oral Impl. Res. 2011;22:834-9.	Ki-Seong Kim et al.
2	self-cutting blades and their influence on primary stability of taperd dental implants in a simulated low-density bone model: a laboratory study	Pathol. Oral. Radiol. Endod. 2011;112:573-580	Young-Jun Lim et al.
3	Screw Joint Stability under Cyclic Loading of Zirconia Implant Abutments	J Kor Acad Prosthodont 2009;47(2):164-73	Jae-Jun Ryu et al.
4	Fatigue Characteristics of Five Types of Implant-Abutment Joint Designs	METAL AND MATERIALS International 2008;14(2):133-8	Chang-Mo Jeong et al.
5	Influence of Tightening Torque on Implant-Abutment Screw Joint Stability	J Kor Acad Prosthodont 2008;46(4):396-408	Chang-Mo Jeong et al.
6	Effect of Casting Procedure on Screw Loosening of UCLA Abutment in Two Implant-Abutment Conncetion Systems	J Kor Acad Prosthodont 2008;46(3):246-54	Myung-Joo Kim et al.
7	Evaluation of Stability of Double Threaded Implant-Emphasis on Initial Stability Using Osstell Mentor™; Part I	J Kor Acad Stomatog Func Occlusion 2007;23(4)	Yong-Deok Kim ea al.
8	Influence of Tungsten Carbide/Carbon Coating of Implant-Abutment Screw on Screw Loosening	J Kor Acad Prosthodont 2008;46(2):137-47	Chang-Mo Jeong et al.
9	The Assessment of Abutment Screw Stability Between the External and Internal Hexagonal Joint under Cyclic Loading	J Kor Acad Prosthodont 2008;46(6):561-8	Jung-Suk Han et al.
10	Influence of Implant Fixture Design on Implant Primary Stability	J Kor Acad Prosthodont 2006;45(1):98-106	Seok-Gyu Kim et al.
11	Detorque Force of TiN-Coated Abutment Screw with Various Coating Thickness after Repeated Closing and Opening.	J Kor Acad Prosthodont 2007;45(6):769-79	Chae-Heon Chung et al.

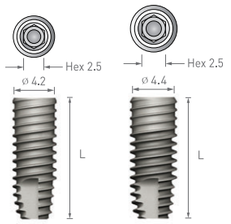
OSSTEM Implant System Flow

TSII SA

- Bone level fixture of Internal Hex & 11° morse taper connection
- Stable connection of the upper part based on Rigid Motion Connection
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Straight body facilitates the adjustment of implantation depth
- Powerful Self threading



L: 8.5 10 11.5 13 15



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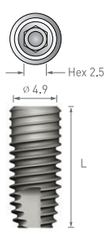
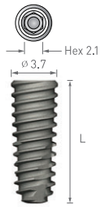


L: 6 7 8.5 10 11.5 13 15

TSIII SA

- Bone level fixture of Internal Hex & 11° morse taper connection
- The initial stability for immediate & early loading
- The good feeling of fixture implantation
- The convenience of implant surgery
- Stable connection of the upper part based on Rigid Motion Connection
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Realize the convenient operation by making it possible to implant into various osseins



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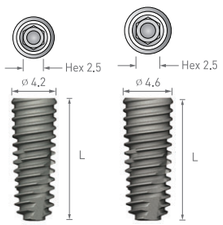

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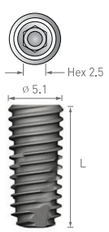


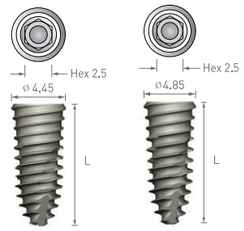
L: 6 7 8.5 10 11.5 13 15

TSIII SA Ultra-Wide®

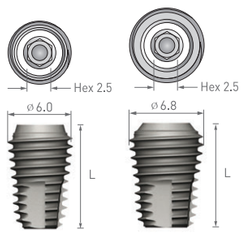
- Bone level fixture of Internal Hex & 11° morse taper connection
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- Compatible with TS Regular abutment components
- Wide Diameter Fixture
- Indication
  - Immediate placement at the extract socket
  - Immediate replacement of the failed implant
- The actual length of TSIII Ultra-Wide Fixture is 0.5mm shorter than actual length. (Exception 7mm)

TSIV SA

- Bone level fixture of Internal Hex & 11° morse taper connection
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- Specially developed for maxilla and soft bones
  - High success rate even with poor bone quality.
- Improved design for initial stability and simplified surgical sequences
  - Improved the initial stability with improved application of helical cutting, corkscrew thread, and sharp and rounded apex design where implant can be placed with minimal drilling. (ø 2 or ø 3mm can be used on D4 bone)



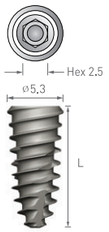
L : 7 8.5 10 11.5 13



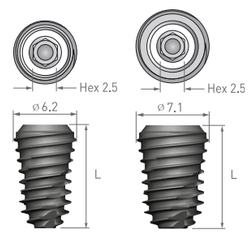
L : 6 7 8.5 10 11.5 13 15

TSIV SA Ultra-Wide®

- Bone level fixture of Internal Hex & 11° morse taper connection
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- Compatible with TS Regular abutment components
- Specially developed for maxilla and soft bones
  - High success rate even with poor bone quality.
- Wide Diameter Fixture
- Indication
  - Immediate placement at the extract socket
  - Immediate replacement of the failed implant



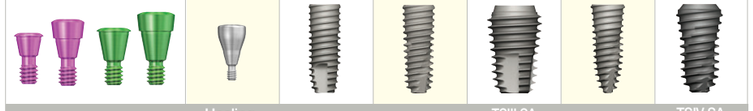
L : 8.5 10 11.5 13

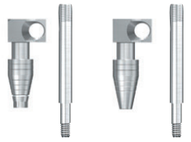


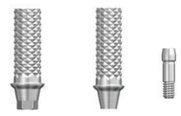
L : 7 8.5 10 11.5 13

TS Prosthesis Library

TS System



Type	Abutment	Protect Cap	Retraction Cap	Impression coping
Rigid				 (4.0 mm)
Transfer	 (Hex) (Non-Hex)			
Angled	 (A type) (B type) 30° (Hex) (Non-Hex)			
ZioCera/ ZioCera Angled	 (Hex) (Non-Hex)			 (Hex) (Non-Hex) Pick-up
GoldCast/ NP-CAST	 (Hex) (Non-Hex)			
FreeForm ST	 (Hex) (Non-Hex)			
Convertible				 Pick-up
Stud				O-rings System 
LOCATOR®		Replacement Male 		

	Lab Analog	Burn-out Cylinder	Etc
 (5.5mm) (7.0 mm)	 (4.0 mm) (5.5 mm) (7.0 mm)	 Single Bridge	 Finising Reamer
		Temporary Abutment	Bite Index
 (Hex) (Non-Hex) Transfer		 (Hex) (Non-Hex)	
 Transfer		Cylinder 	Polishing Protect Cap 
			
Extended Replacement Male 		Core Tool 	Torque Driver 

TS SYSTEM

OSSTEM IMPLANT SYSTEM

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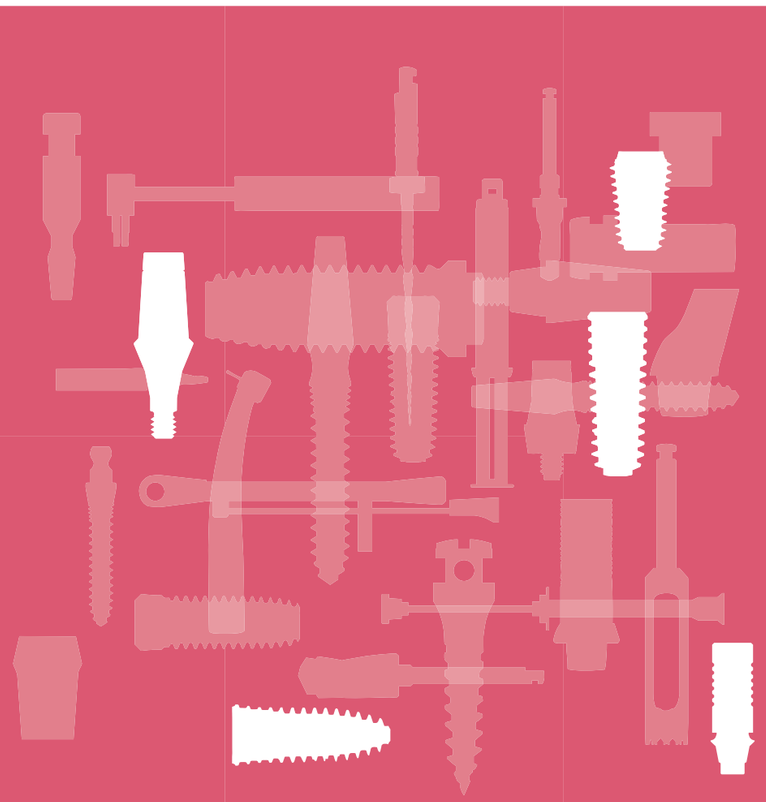
Fixture and **Restorative Components**

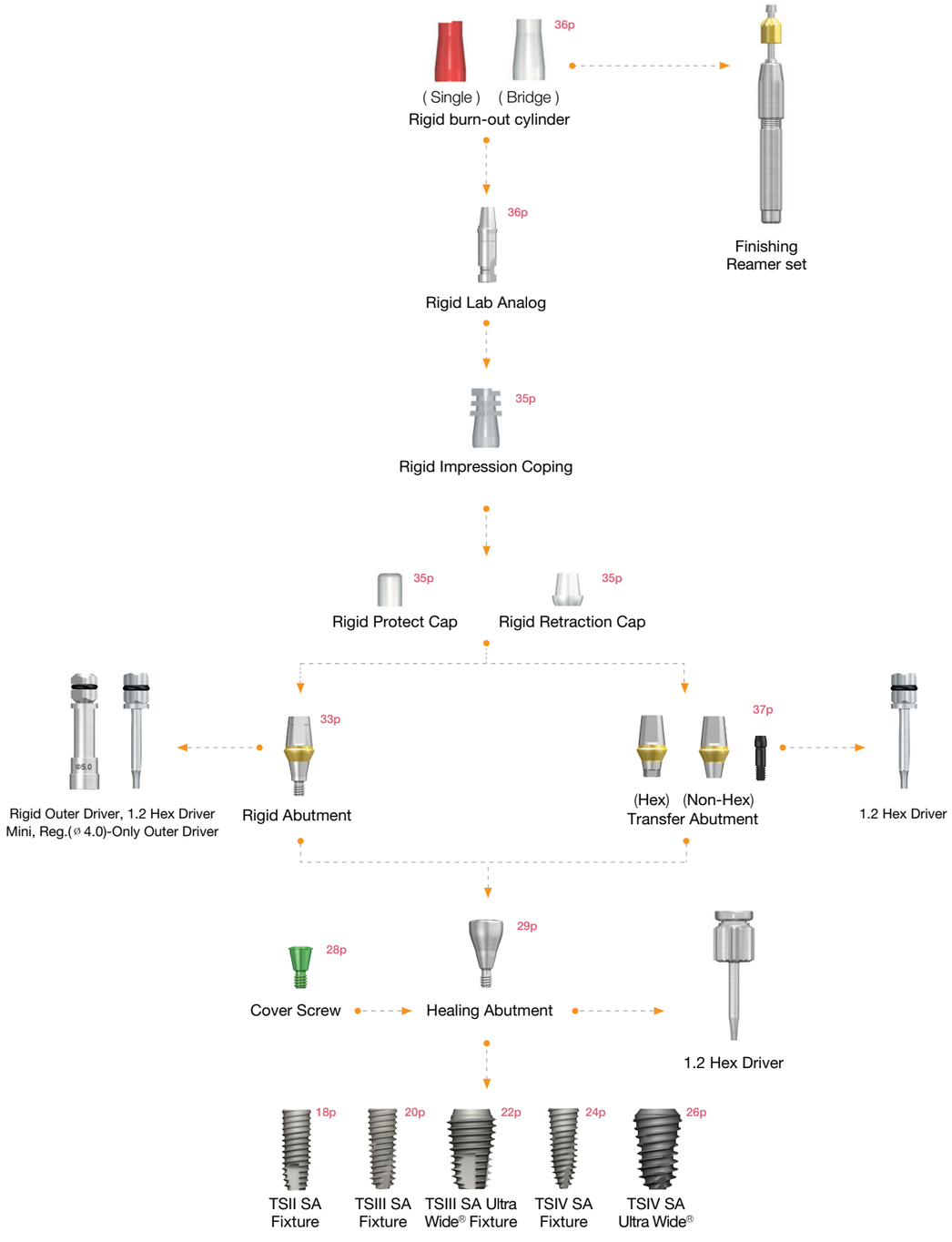


TS SYSTEM

EARLY & **ESTHETIC**
OSSTEM IMPLANT

Prosthetic Flow Diagrams for TS System

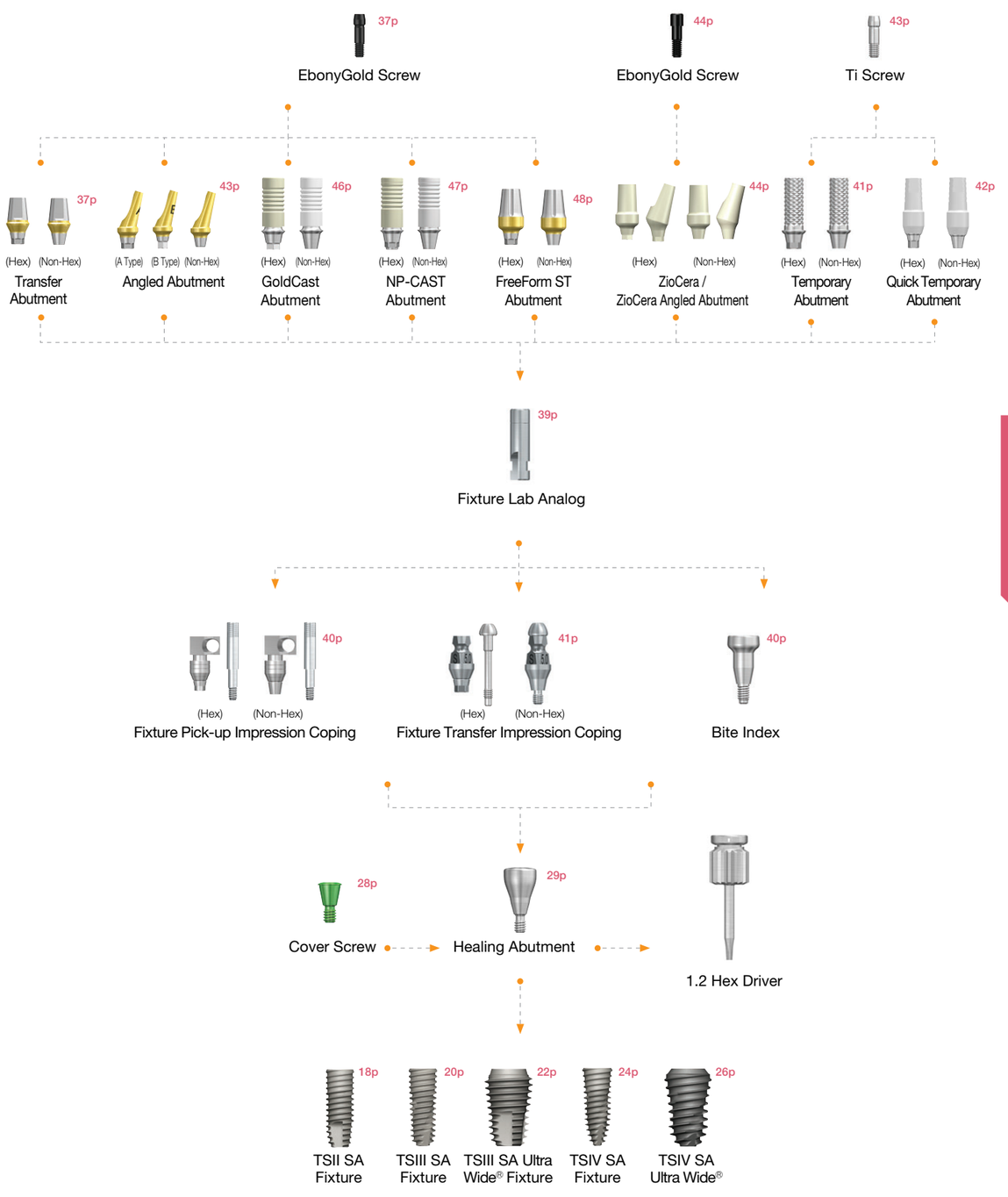
Cement Retained Restoration : Rigid & Transfer • Mini, Regular



Prosthetic Flow Diagrams for TS System

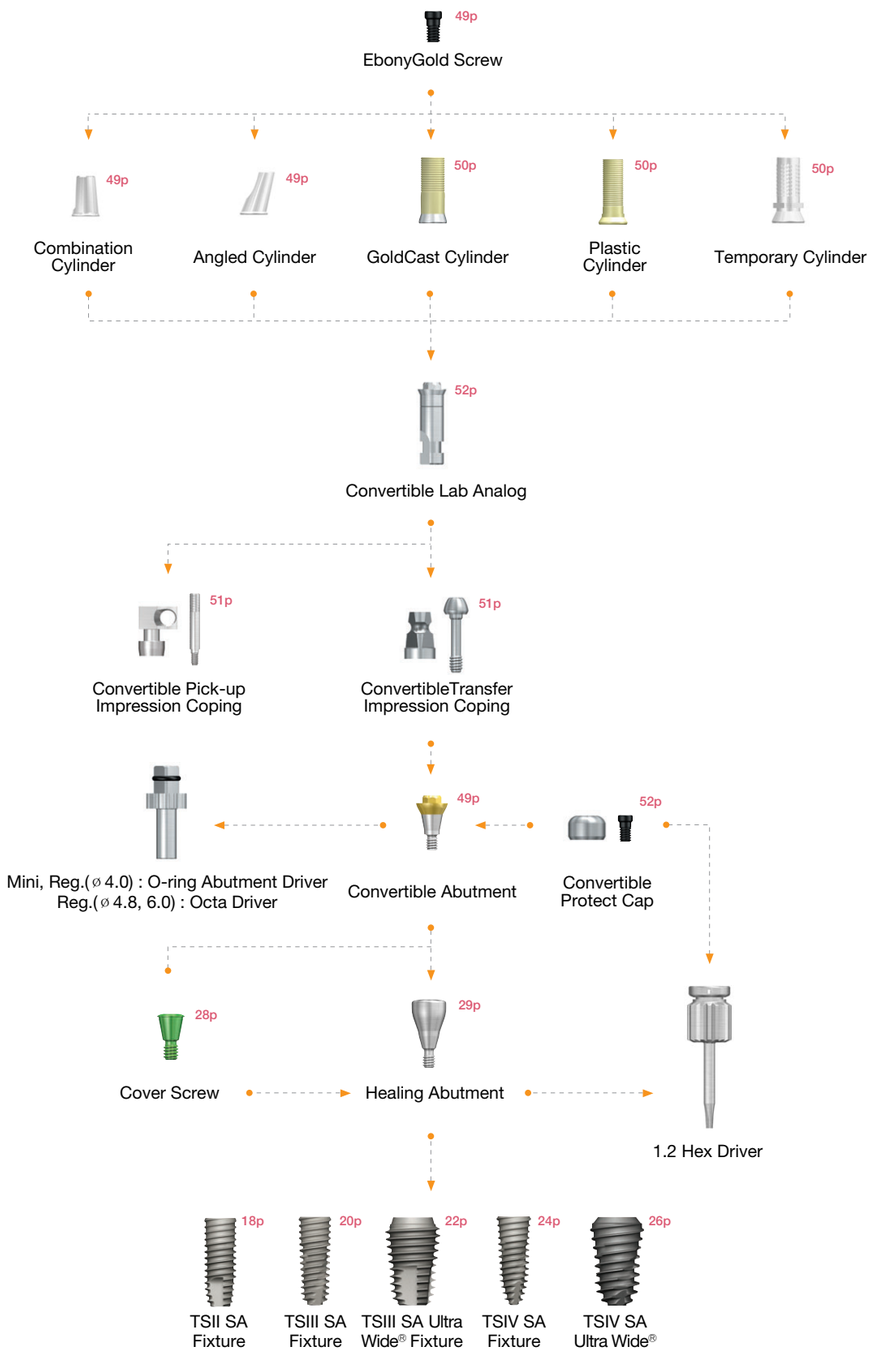
Cement Retained Restoration : Transfer, Angled, ZioCera, ZioCera Angled, GoldCast, NP-CAST, FreeForm ST

Screw Retained Restoration : ZioCera, ZioCera Angled, GoldCast, Temporary, Quick Temporary, NP-CAST • Mini, Regular



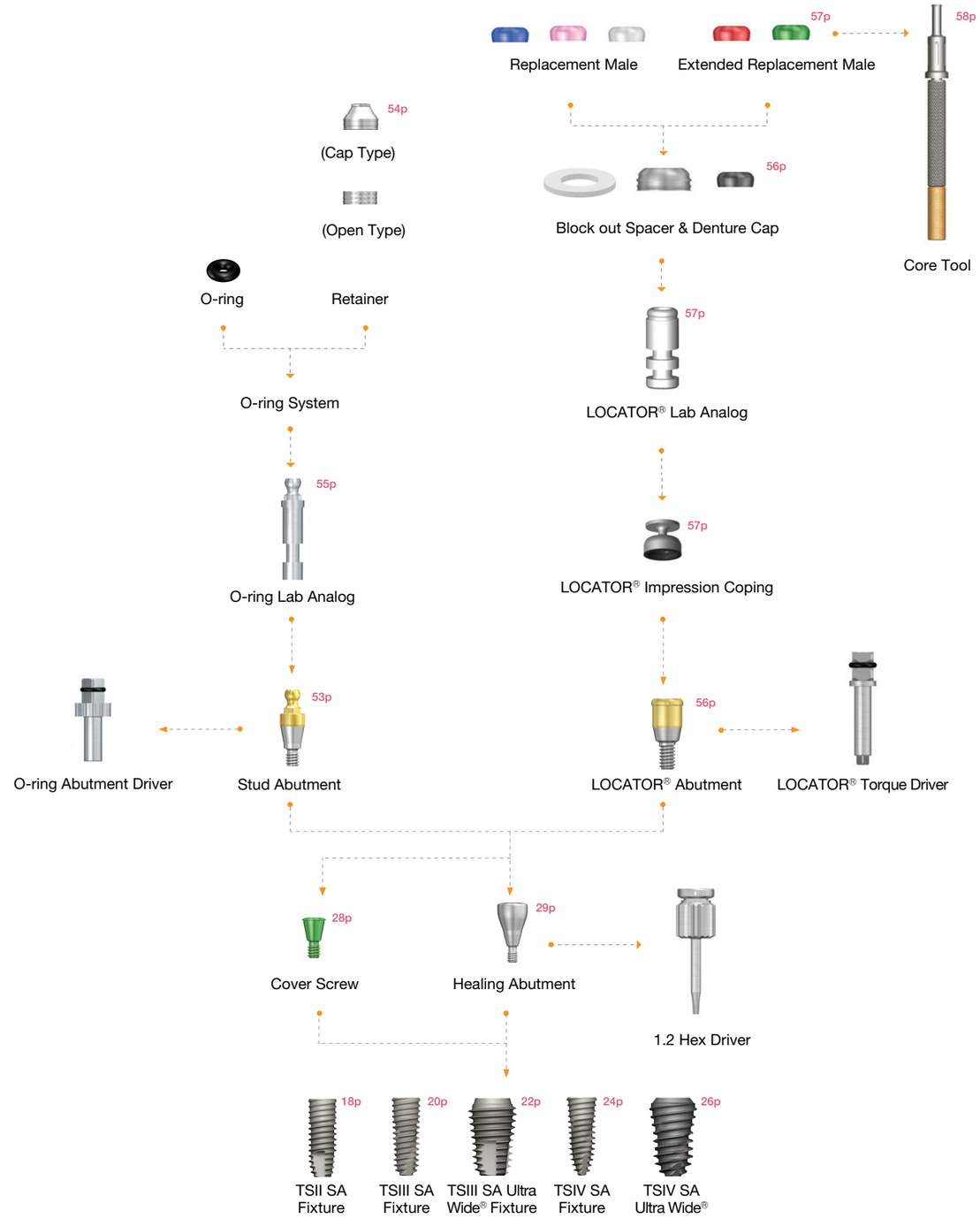
Prosthetic Flow Diagrams for TS System

Screw & Cement Retained Restoration : Convertible Abutment • Mini, Regular

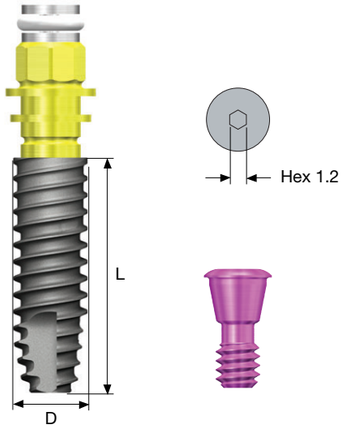


Prosthetic Flow Diagrams for TS System

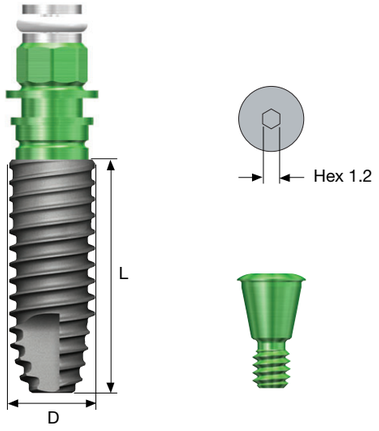
Overdenture Restoration : Stud / LOCATOR® Abutment • Mini, Regular



TSII SA Fixture



Fixture 3.5



Fixture 4.0/4.5/5.0

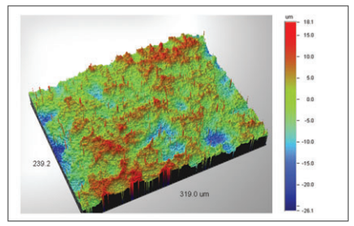
TSII SA Fixture Order Code

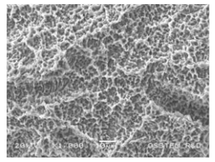
Fixture Only
- Fixture : Product Code [ex : TS2S4010S]

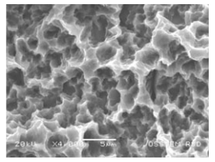
Pre-Mounted Fixture [Simple Mount]
- Fixture + Mount + Cover Screw : B + Product Code [ex : BTS2S4010S]

Feature of TSII SA Fixture

- Internal Hex & 11° morse taper connected, submerged fixture
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
  - Optimized design for SA surface
- Straight body offers good implantation perfomance
- Small Thread : Increase initial stability in soft bone
- Corkscrew thread : Powerful Self threading
- Limited insertion torque : 40Ncm



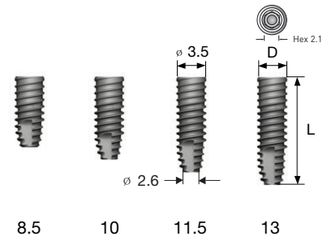




※ We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.

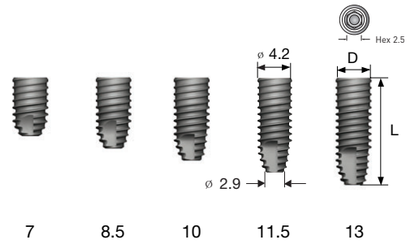
※ The following labeled dimension may differ from the actual dimension.

Mini — Diameter ø 3.5



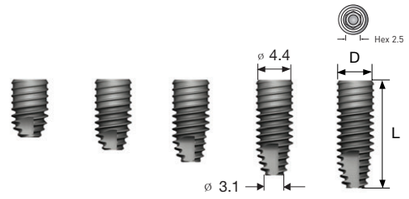
Connection / L \ D	Mini ø 3.5
7	-
8.5	TS2M3508S
10	TS2M3510S
11.5	TS2M3511S
13	TS2M3513S

Regular — Diameter ø 4.0



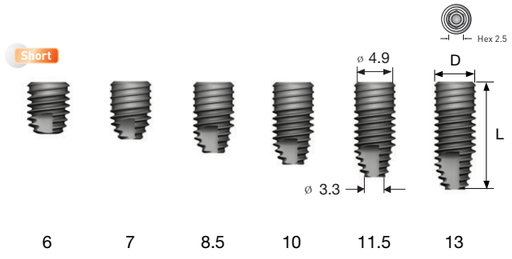
Connection / L \ D	Regular ø 4.0
7	TS2S4007S
8.5	TS2S4008S
10	TS2S4010S
11.5	TS2S4011S
13	TS2S4013S

Regular — Diameter ø 4.5



Connection / L \ D	Regular ø 4.5
7	TS2S4507S
8.5	TS2S4508S
10	TS2S4510S
11.5	TS2S4511S
13	TS2S4513S

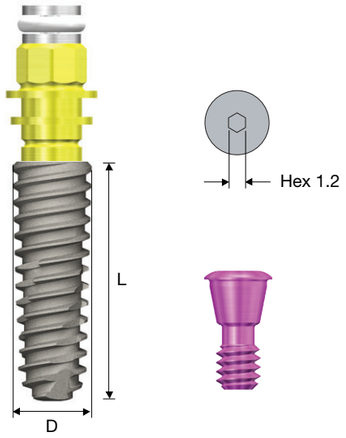
Regular — Diameter ø 5.0



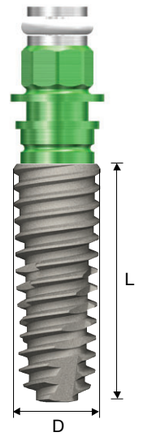
Connection / L \ D	Regular ø 5.0
6	TS2S5006S
7	TS2S5007S
8.5	TS2S5008S
10	TS2S5010S
11.5	TS2S5011S
13	TS2S5013S

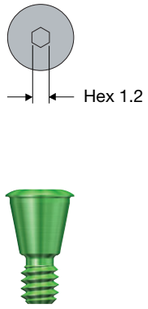
※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

TSIII SA Fixture



Fixture 3.5





Fixture 4.0/4.5/5.0

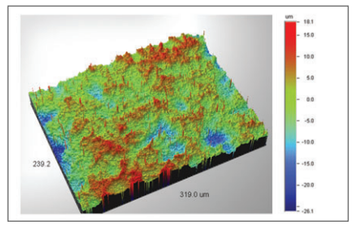
TSIII SA Fixture Order Code

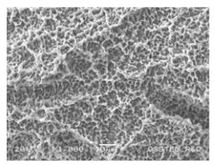
Fixture Only
- Fixture : Product Code [ex : TS3S4010S]

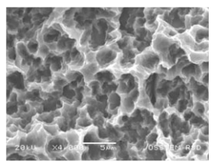
Pre-Mounted Fixture [Simple Mount]
- Fixture + Mount + Cover Screw : B + Product Code [ex : BTS3S4010S]

Feature of TSIII SA Fixture

- Internal Hex & 11° morse taper connected, submerged fixture
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
  - Optimized design for SA surface
- Taper body offers High initial stability
- Small Thread : Increase initial stability in soft bone
- Corkscrew thread : Powerful Self threading
- Limited insertion torque : 40Ncm





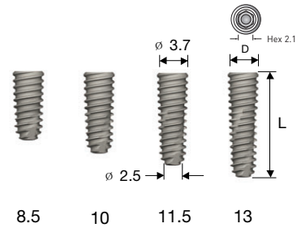


※ **We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.**

M R Connection

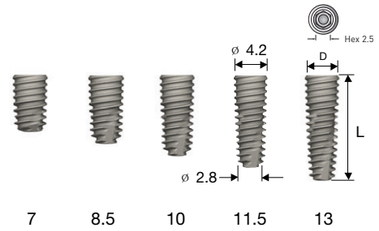
※ The following labeled dimension may differ from the actual dimension.

Mini — Diameter ø 3.5



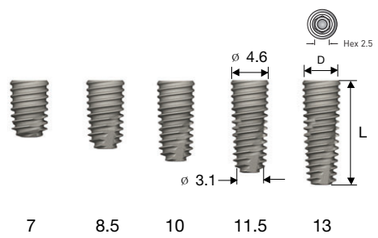
Connection	Mini
L \ D	ø 3.5
7	-
8.5	TS3M3508S
10	TS3M3510S
11.5	TS3M3511S
13	TS3M3513S

Regular — Diameter ø 4.0



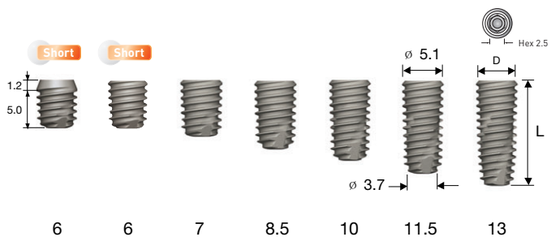
Connection	Regular
L \ D	ø 4.0
7	TS3S4007S
8.5	TS3S4008S
10	TS3S4010S
11.5	TS3S4011S
13	TS3S4013S

Regular — Diameter ø 4.5



Connection	Regular
L \ D	ø 4.5
7	TS3S4507S
8.5	TS3S4508S
10	TS3S4510S
11.5	TS3S4511S
13	TS3S4513S

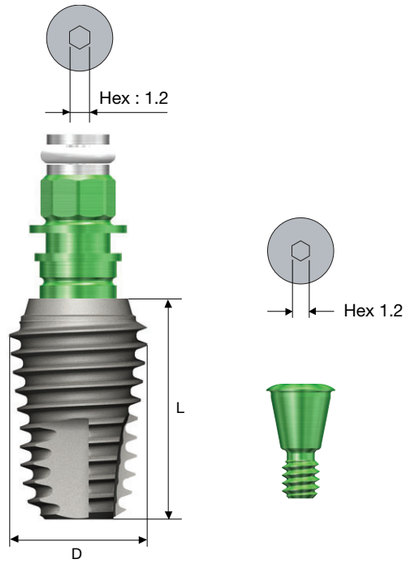
Regular — Diameter ø 5.0



Connection	Regular
L \ D	ø 5.0
6	TS3S5005S
6	TS3S5006S
7	TS3S5007S
8.5	TS3S5008S
10	TS3S5010S
11.5	TS3S5011S
13	TS3S5013S

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

TSIII SA Ultra - Wide® Fixture



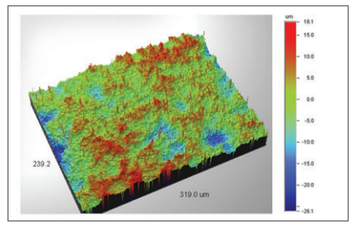
TSIII SA Ultra - Wide® Fixture Order Code

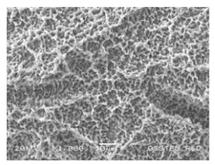
Fixture Only
- Fixture : Product Code (ex : TS3S6010S)

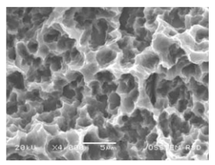
Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : B + Fixture Product Code (ex : BTS3S6010S)

Feature of TSIII SA Ultra-Wide® Fixture

- Internal Hex & 11° morse taper connected, submerged fixture
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0 ㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
- Compatible with TS Regular abutment components
- A fixture that is convenient to use in case of immediate installation following posterior tooth extract socket and replacement of failed implant
- Optimized apex design that enables gaining stable initial fixture even at 3 mm below the extract socket
- 4-bladed cutting edge with excellent self-tapping force
- Limited insertion torque : 40Ncm



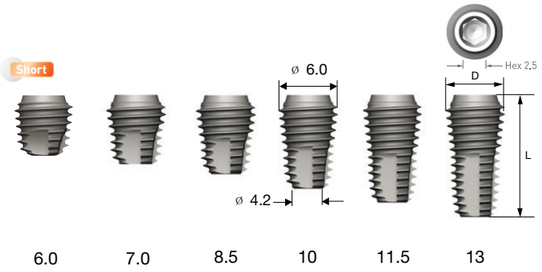




R Connection

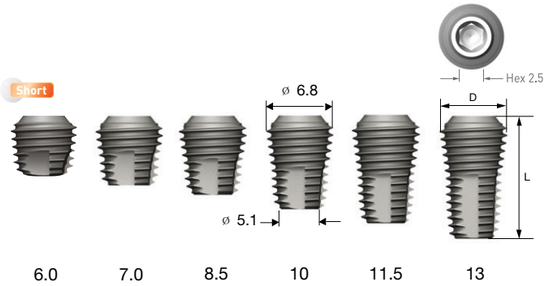
※ The following labeled dimension may differ from the actual dimension.

Regular Diameter ø 6.0



Connection	Regular
L \ D	ø 6.0
6	TS3S6006S
7	TS3S6007S
8.5	TS3S6008S
10	TS3S6010S
11.5	TS3S6011S
13	TS3S6013S

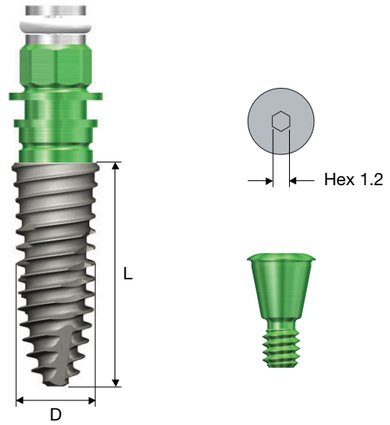
Regular Diameter ø 7.0



Connection	Regular
L \ D	ø 7.0
6	TS3S7006S
7	TS3S7007S
8.5	TS3S7008S
10	TS3S7010S
11.5	TS3S7011S
13	TS3S7013S

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

TSIV SA Fixture



Fixture 4.0/4.5/5.0

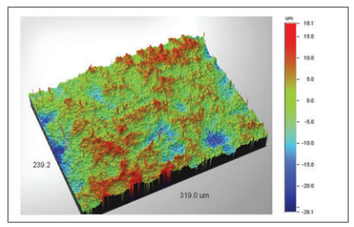
TSIV SA Fixture Order Code

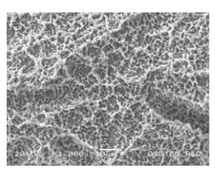
Fixture Only
- Fixture : Product Code [ex : TS4S4010S]

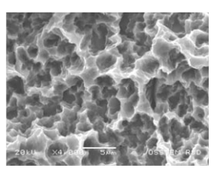
Pre-Mounted Fixture [Simple Mount]
- Fixture + Mount + Cover Screw : B + Product Code [ex : BTS4S4010S]

Feature of TSIV Fixture

- Internal Hex & 11° morse taper connected, submerged fixture
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
- Compatible with TS Regular abutment components
- Optimized design for SA surface
- Sinus and soft bone only used fixture
- Small Thread : Increase initial stability in soft bone
- Sharp Apex design : D4 bone case is possible to insert after ø2, ø3mm drilling depth
- Limited insertion torque : 40Ncm





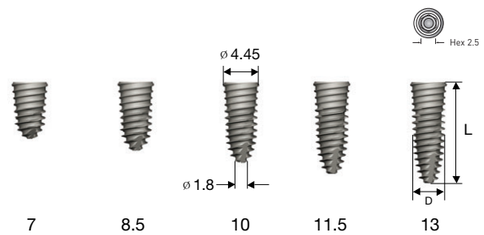


※ **We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.**

※ **Recommended insertion speed : below 15rpm**
- TSIV Fixture Insert speed is fast because of thread pitch is big

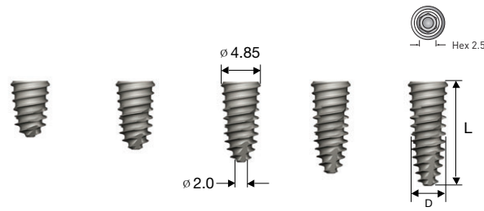
※ The following labeled dimension may differ from the actual dimension.

Regular — Diameter ø 4.0



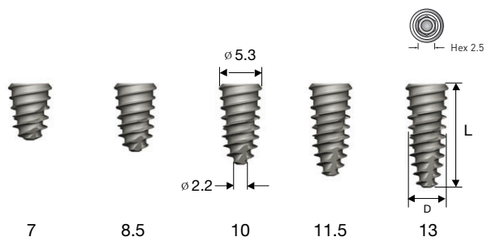
Connection / L \ D	Regular ø 4.0(Pitch 0.8)
7	TS4S4007S
8.5	TS4S4008S
10	TS4S4010S
11.5	TS4S4011S
13	TS4S4013S

Regular — Diameter ø 4.5



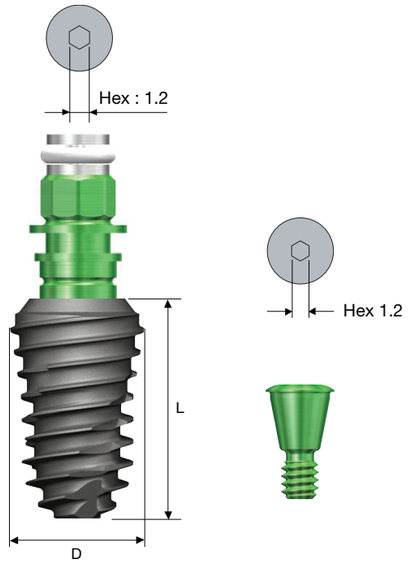
Connection / L \ D	Regular ø 4.5(Pitch 1.0)
7	TS4S4507S
8.5	TS4S4508S
10	TS4S4510S
11.5	TS4S4511S
13	TS4S4513S

Regular — Diameter ø 5.0



Connection / L \ D	Regular ø 5.0(Pitch 1.2)
7	TS4S5007S
8.5	TS4S5008S
10	TS4S5010S
11.5	TS4S5011S
13	TS4S5013S

TSIV SA Ultra - Wide® Fixture



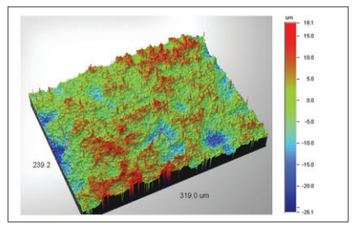
TSIV SA Ultra - Wide® Fixture Order Code

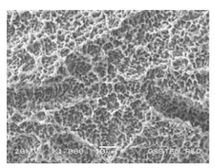
Fixture Only
- Fixture : Product Code (ex : TS4S6010S)

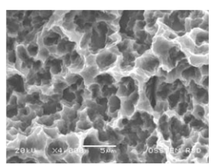
Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : B + Fixture Product Code (ex : BTS4S6010S)

Feature of TSIV SA Ultra - Wide® Fixture

- Internal Hex & 11° morse taper connected, submerged fixture
- SA surface morphology and roughness increased by 45% compared to RBM treatment.
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
- Compatible with TS Regular abutmesnt components
- Specially developed for maxilla and soft bones
  - High success rate even with poor bone quality.
- A fixture that is convenient to use in case of immediate installation following posterior tooth extract socket and replacement of failed implant
- Optimized apex design that enables gaining stable initial fixture even at 3 mm below the extract socket
- 3-bladed cutting edge with excellent self-tapping force
- Limited insertion torque : 40Ncm



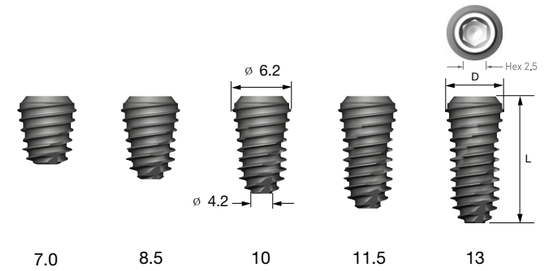




R Connection

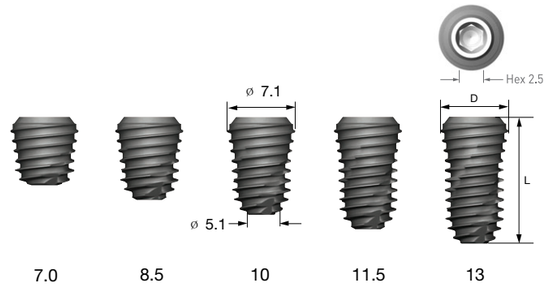
※ The following labeled dimension may differ from the actual dimension.

Regular Diameter ø 6.0



Connection	Regular
L \ D	ø 6.0
7	TS4S6007S
8.5	TS4S6008S
10	TS4S6010S
11.5	TS4S6011S
13	TS4S6013S

Regular Diameter ø 7.0



Connection	Regular
L \ D	ø 7.0
7	TS4S7007S
8.5	TS4S7008S
10	TS4S7010S
11.5	TS4S7011S
13	TS4S7013S

Simple Mount

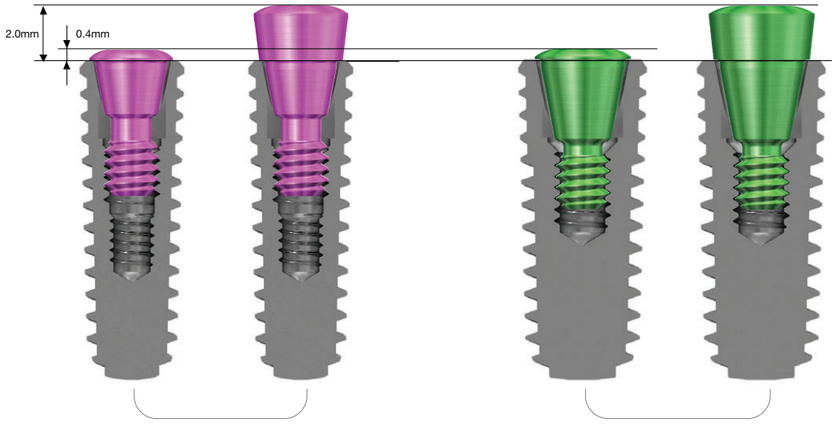
Color	Yellow		Green	
Fixture	ø3.5		ø4.0, ø4.5, ø5.0, ø6.0, ø7.0	
Code	GISMY-3015A	GSSMY	GISMG-3512A	GSSSG

- Color indication facilitates easy identification in the oral cavity
  ø3.5 : Yellow,
  ø4.0, ø4.5, ø5.0, ø6.0, ø7.0 : Green
- Use a 1.2 hex driver to remove screws
- Packing unit : Mount + Mount Screw
- Tightening torque : 8-10Ncm

Cover Screw

Color	Purple		Green	
Fixture	ø3.5		ø4.0, ø4.5, ø5.0, ø6.0, ø7.0	
Code	GSCS35	GSCS35L	GSCS40S-G	GSCS40L-G

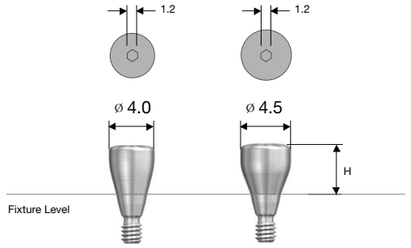
- Color to easily distinguish the locations of the implemented fixtures
  ø3.5 fixture : Purple
  ø4.0, ø4.5, ø5.0 fixture : Green
- Use a long cover screw when fixture implanted under the bone level
  ø3.5 Fixture : Green
  ø4.0/ ø4.5/ ø5.0/ ø6.0/ ø7.0 : Blue
- Use a 1.2 hex driver
- Packing unit : Cover screw
- Tightening torque : 5-8 Ncm



(Fixture ø3.5) (Fixture ø4.0, ø4.5, ø5.0, ø6.0, ø7.0)

Healing Abutment

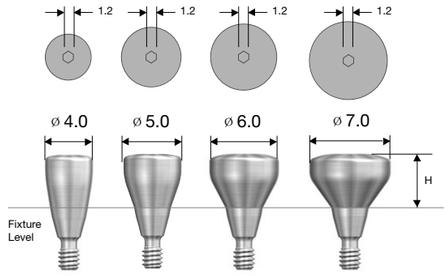
Mini



D \ H	Mini 3.0	4.0	5.0	7.0
ø4.0	TSHA403M	TSHA404M	TSHA405M	TSHA407M
ø4.5	TSHA453M	TSHA454M	TSHA455M	TSHA457M

- Use a 1.2 hex driver
- Packing unit : Healing abutment
- Tightening torque : Hand tightening (less then 10Ncm)

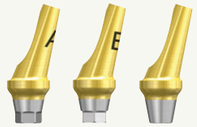
Regular



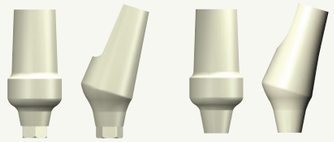
D \ H	Regular 3.0	4.0	5.0	7.0
ø4.0	TSHA403R	TSHA404R	TSHA405R	TSHA407R
ø5.0	TSHA503R	TSHA504R	TSHA505R	TSHA507R
ø6.0	TSHA603R	TSHA604R	TSHA605R	TSHA607R
ø7.0	TSHA703R	TSHA704R	TSHA705R	TSHA707R

※ Matching Table for Healing ABT. & Abutment

Healing ABT.(H)	3	4	5	7
Abutment (G/H)	1	2 or 3	3 or 4	More than 5
Imp. coping	Short type		Long type	



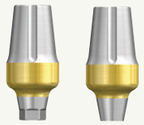
Angled



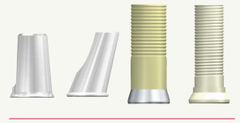
ZioCera
ZioCera Angled

Transfer

GoldCast



FreeForm ST



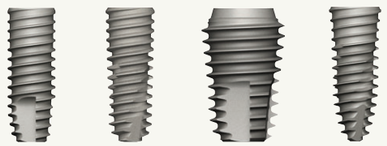
Cylinder

Convertible

Stud LOCATOR®

Rigid

NP-CAST



TS System

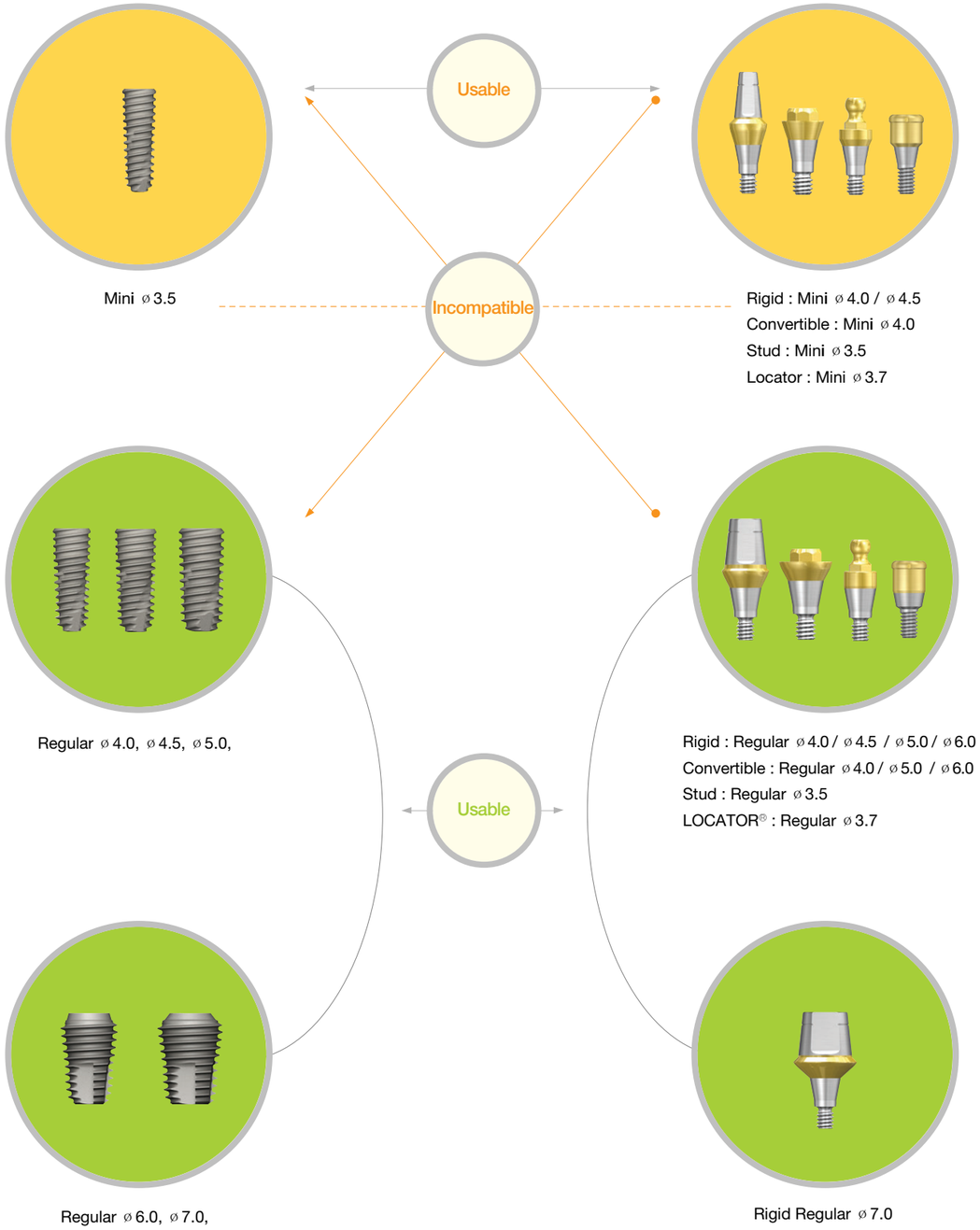
Components Guide

OSSTEM Implant System

Early & Esthetic OSSTEM IMPLANT

Smile Designer

Compatibility Guide for TS System (Fixture-Abutment)

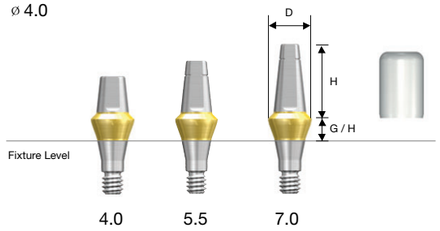


Rigid Abutment Components

Rigid Abutment
Cement Retained Restoration

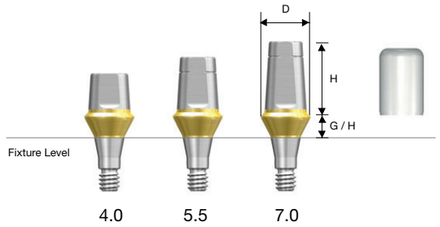
Mini

ø4.0

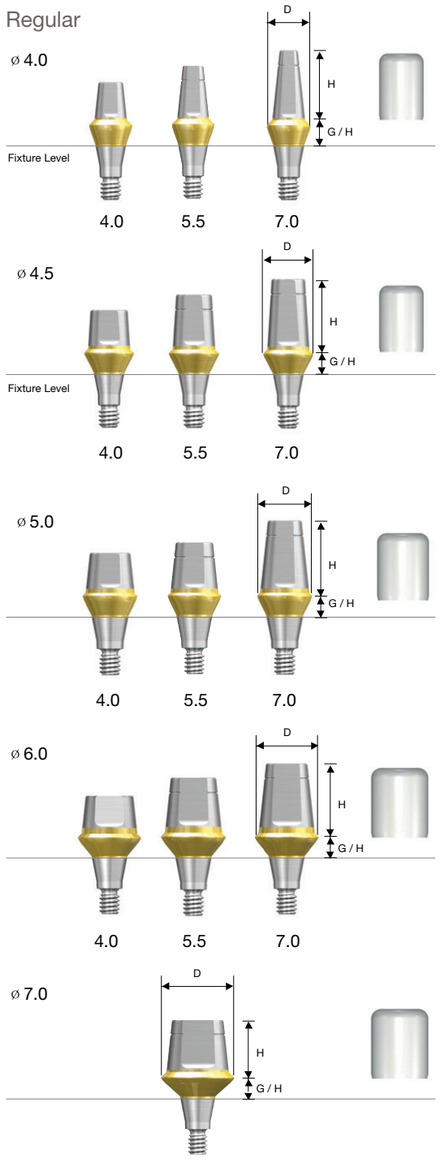


H	G/H \ D	ø4.0	ø4.5
4.0	1.0	GSRA4410	GSRA4411
	2.0	GSRA4420	GSRA4421
	3.0	GSRA4430	GSRA4431
	4.0	GSRA4440	GSRA4441
	5.0	GSRA4450	GSRA4451
5.5	1.0	GSRA4610	GSRA4611
	2.0	GSRA4620	GSRA4621
	3.0	GSRA4630	GSRA4631
	4.0	GSRA4640	GSRA4641
	5.0	GSRA4650	GSRA4651
7.0	1.0	GSRA4710	GSRA4711
	2.0	GSRA4720	GSRA4721
	3.0	GSRA4730	GSRA4731
	4.0	GSRA4740	GSRA4741
	5.0	GSRA4750	GSRA4751

ø4.5



Regular



H	G/H \ D	ø 4.0	ø 4.5	ø 5.0
4.0	1.0	GSRAS4410	GSRAS4411	GSRA5410
	2.0	GSRAS4420	GSRAS4421	GSRA5420
	3.0	GSRAS4430	GSRAS4431	GSRA5430
	4.0	GSRAS4440	GSRAS4441	GSRA5440
	5.0	GSRAS4450	GSRAS4451	GSRA5450
5.5	1.0	GSRAS4610	GSRAS4611	GSRA5610
	2.0	GSRAS4620	GSRAS4621	GSRA5620
	3.0	GSRAS4630	GSRAS4631	GSRA5630
	4.0	GSRAS4640	GSRAS4641	GSRA5640
	5.0	GSRAS4650	GSRAS4651	GSRA5650
7.0	1.0	GSRAS4710	GSRAS4711	GSRA5710
	2.0	GSRAS4720	GSRAS4721	GSRA5720
	3.0	GSRAS4730	GSRAS4731	GSRA5730
	4.0	GSRAS4740	GSRAS4741	GSRA5740
	5.0	GSRAS4750	GSRAS4751	GSRA5750

H	G/H \ D	ø 6.0	ø 7.0
4.0	1.0	GSRA6410	-
	2.0	GSRA6420	-
	3.0	GSRA6430	-
	4.0	GSRA6440	-
	5.0	GSRA6450	-
5.5	1.0	GSRA6610	GSRA7610
	2.0	GSRA6620	GSRA7620
	3.0	GSRA6630	GSRA7630
	4.0	GSRA6640	GSRA7640
	5.0	GSRA6650	GSRA7650
7.0	1.0	GSRA6710	-
	2.0	GSRA6720	-
	3.0	GSRA6730	-
	4.0	GSRA6740	-
	5.0	GSRA6750	-

- Use for making general cement-type prosthesis
- Abutment and screw in one
- 11° taper connection for excellent safety
- Gingival gold color for aesthetic effect
- Cross-section design for the prevention of prosthesis rotation
- ø 4.0 : Use an outer driver
  ø 4.5, ø 5.0, ø 6.0 : Use an outer driver and a 1.2 hex driver
  ø 7.0 : Use a 1.2 hex driver
- Packing unit : Abutment + Protect Cap
- Tightening torque : 30 Ncm

Order code - Abutment + Protect cap: Product code + P (ex: GSRA5620P)

Rigid Protect Cap

H \ D	Mini / Regular ø 4.0	Mini / Regular ø 4.5
4.0	GSRPC440	GSRPC441
5.5	GSRPC460	GSRPC461
7.0	GSRPC470	GSRPC471

H \ D	Regular ø 5.0	Regular ø 6.0	Regular ø 7.0
4.0	GSRPC540	GSRPC640	-
5.5	GSRPC560	GSRPC660	GSRPC760
7.0	GSRPC570	GSRPC670	-

- Use for the protection of the rigid abutment in the oral cavity and to minimize the patient's discomfort
- Applicable as a substructure of temporary prosthesis
- Convenient locking
- Packing unit : Protect Cap

Rigid Retraction Cap

H \ D	Mini / Regular ø 4.0	Mini / Regular ø 4.5
4.0	GSRRC440	GSRRC441
5.5	GSRRC460	GSRRC461
7.0	GSRRC470	GSRRC471

H \ D	Regular ø 5.0	Regular ø 6.0	Regular ø 7.0
4.0	GSRRC540	GSRRC640	-
5.5	GSRRC560	GSRRC660	GSRRC760
7.0	GSRRC570	GSRRC670	-

- Packing unit : Retraction cap
- Possible to take impression in accuracy for margin

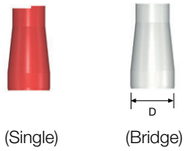
Rigid Impression Coping

H \ D	Mini / Regular ø 4.0	Mini / Regular ø 4.5
4.0(Yellow)	GSRIC440S	GSRIC441S
5.5(Gray)	GSRIC460S	GSRIC461S
7.0(Blue)	GSRIC470S	GSRIC471S

H \ D	Regular ø 5.0	Regular ø 6.0	Regular ø 7.0
4.0(Yellow)	GSRIC540S	GSRIC640S	-
5.5(Gray)	GSRIC560S	GSRIC660S	GSRIC760S
7.0(Blue)	GSRIC570S	GSRIC670S	-

- Use for taking an impression of rigid abutments
- Color indication enables the easy identification of abutments of varying lengths 4mm (Yellow), 5.5mm (Gray), 7.0mm (blue)
- Convenient locking
- Packing unit : Impression coping

Rigid Burn-out Cyinder



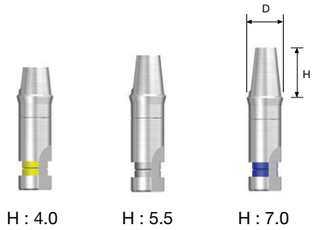
(Single) (Bridge)

Type \ D	Mini / Regular	
	ø 4.0	ø 4.5
Single	GSRP400S	GSRP450S
Bridge	GSRP400B	GSRP450B

Type \ D	Regular		
	ø 5.0	ø 6.0	ø 7.0
Single	GSRP500S	GSRP600S	GSRP700S
Bridge	GSRP500B	GSRP600B	GSRP700B

- Use as a prosthetic framework by connecting to Rigid Lab analogs
- Color indication facilitates the identification of different cases
  Single (**Red** color), Bridge (**White** color)
- After prosthetic casting, the margin may be adjusted by a special-purpose reamer
- Packing unit : Burn-out Cylinder

Rigid Lab Analog



H : 4.0 H : 5.5 H : 7.0

H \ D	Mini / Regular	
	ø 4.0	ø 4.5
4.0(Yellow)	GSRLA440	GSRLA441
5.5(Gray)	GSRLA460	GSRLA461
7.0(Blue)	GSRLA470	GSRLA471

H \ D	Regular		
	ø 5.0	ø 6.0	ø 7.0
4.0(Yellow)	GSRLA540	GSRLA640	-
5.5(Gray)	GSRLA560	GSRLA660	GSRLA760
7.0(Blue)	GSRLA570	GSRLA670	-

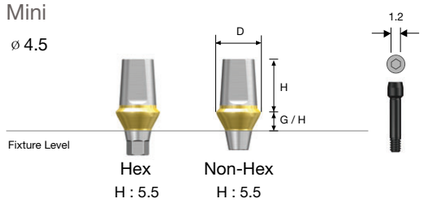
- Make rigid abutments on a working model
- Color indication enables the easy identification of abutments of varying lengths
  4mm (Yellow), 5.5mm (Gray), 7.0mm (blue)
- Packing unit : Lab analog

Transfer Abutment Components

Transfer Abutment - Cement Retained Restoration

Mini

ø 4.5



Hex
H : 5.5

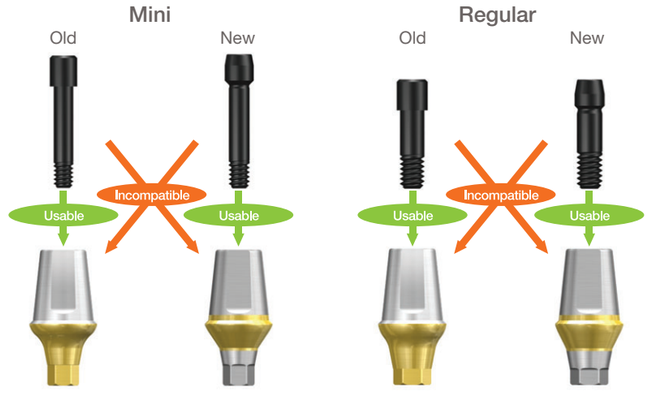
Non-Hex
H : 5.5

H	G/H \ D	ø 4.5	
		Hex	Non-Hex
5.5	1.0	GSTA4611	GSTA4611N
	2.0	GSTA4621	GSTA4621N
	3.0	GSTA4631	GSTA4631N
	4.0	GSTA4641	GSTA4641N
	5.0	GSTA4651	GSTA4651N
7.0	1.0	GSTA4711	GSTA4711N
	2.0	GSTA4721	GSTA4721N
	3.0	GSTA4731	GSTA4731N
	4.0	GSTA4741	GSTA4741N
	5.0	GSTA4751	GSTA4751N
EbonyGold Screw		GSABSM	

- Use for making general cement-type prosthesis
- 11˚ taper connection for excellent safety
- Gingival gold color for aesthetic effect
- Cross-section design for the prevention of prosthesis rotation
- Use a 1.2 hex driver
- Packing unit : Abutment + EbonyGold screw
- Tightening torque: 20 Ncm (mini), 30 Ncm (regular)

Order code
- Abutment + EbonyGold screw: Product code + WH (ex : GSTA5620WH)

※ Old screw(GSASM, GSASR) is not compatible with the new screw(GSABSM, GSABSS).
Refer to the illustration below, please note the connection.

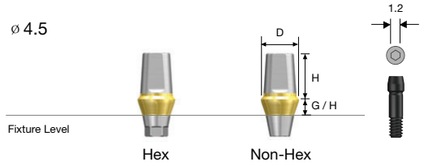


New ABT VS. Old screw Old ABT VS. New screw

※ To prevent loosening or fracture retightening (2~3 times) is recommended.

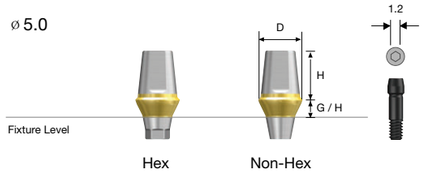
Regular

ø 4.5



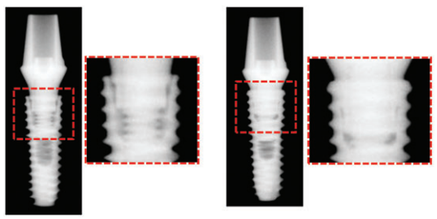
H	D / G/H	ø 4.5 Hex	ø 4.5 Non-Hex
5.5	1.0	GSTAS4611	GSTAS4611N
	2.0	GSTAS4621	GSTAS4621N
	3.0	GSTAS4631	GSTAS4631N
	4.0	GSTAS4641	GSTAS4641N
	5.0	GSTAS4651	GSTAS4651N
7.0	1.0	GSTAS4711	GSTAS4711N
	2.0	GSTAS4721	GSTAS4721N
	3.0	GSTAS4731	GSTAS4731N
	4.0	GSTAS4741	GSTAS4741N
	5.0	GSTAS4751	GSTAS4751N
EbonyGold Screw		GSABSS	

ø 5.0



H	D / G/H	ø 5.0 Hex	ø 5.0 Non-Hex
4.0	1.0	GSTA5410	GSTA5410N
	2.0	GSTA5420	GSTA5420N
	3.0	GSTA5430	GSTA5430N
	4.0	GSTA5440	GSTA5440N
	5.0	GSTA5450	GSTA5450N
5.5	1.0	GSTA5610	GSTA5610N
	2.0	GSTA5620	GSTA5620N
	3.0	GSTA5630	GSTA5630N
	4.0	GSTA5640	GSTA5640N
	5.0	GSTA5650	GSTA5650N
7.0	1.0	GSTA5710	GSTA5710N
	2.0	GSTA5720	GSTA5720N
	3.0	GSTA5730	GSTA5730N
	4.0	GSTA5740	GSTA5740N
	5.0	GSTA5750	GSTA5750N
EbonyGold Screw		GSABSS	

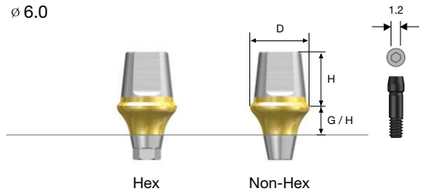
※ A wrong connection may be caused by the incorrect setting of the hex with the fixture hex or interference with bone or adjacent tissue surrounding the installed fixture. The former can be corrected by fixing the hex part setting and checking with an x-ray, and the latter, by removing the interference using tools such as a bone profiler and verifying the exact connection .



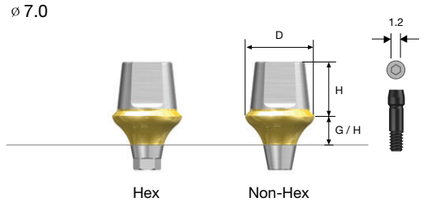
Bad

Good

ø 6.0

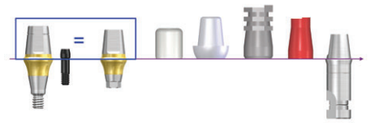


ø 7.0



H	D / G/H	ø 6.0 Hex	ø 6.0 Non-Hex
4.0	1.0	GSTA6410	GSTA6410N
	2.0	GSTA6420	GSTA6420N
	3.0	GSTA6430	GSTA6430N
	4.0	GSTA6440	GSTA6440N
	5.0	GSTA6450	GSTA6450N
5.5	1.0	GSTA6610	GSTA6610N
	2.0	GSTA6620	GSTA6620N
	3.0	GSTA6630	GSTA6630N
	4.0	GSTA6640	GSTA6640N
	5.0	GSTA6650	GSTA6650N
7.0	1.0	GSTA6710	GSTA6710N
	2.0	GSTA6720	GSTA6720N
	3.0	GSTA6730	GSTA6730N
	4.0	GSTA6740	GSTA6740N
	5.0	GSTA6750	GSTA6750N
EbonyGold Screw		GSABSS	

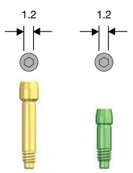
H	D / G/H	ø 7.0 Hex	ø 7.0 Non-Hex
5.5	1.0	GSTA7610	GSTA7610N
	2.0	GSTA7620	GSTA7620N
	3.0	GSTA7630	GSTA7630N
	4.0	GSTA7640	GSTA7640N
	5.0	GSTA7650	GSTA7650N
EbonyGold Screw		GSABSS	



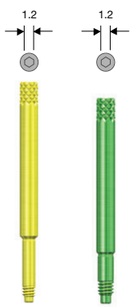
※ The shapes of the upper parts of the margin of TS Transfer abutment and TS Rigid abutment are the same. As such, all the components used for TS Rigid abutment can also be utilized for the TS Transfer abutment.

Laboratory Screw

Lab Screw



Waxing Screw



		Mini	Regular
Code	Lab Screw	GSABSML	GSABSSL
	Waxing Screw	GSABSMW	GSABSSW

- Packing unit : Laboratory screw

- Lab Screw : Use for laboratory work instead of abutment screw.
- Waxing Screw : Use for making a screw hole of a transfer jig or wax-up part.

Fixture Lab Analog

	Mini	Regular
Code	GSTLA350	GSTLA400

- Oral fixtures are built on the working model
- Packing unit : Lab analog

Bite Index

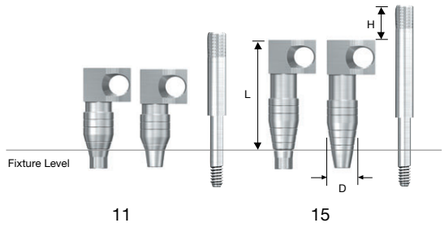
Mini Regular

L \ D	Mini	Regular
	ø 4.5	ø 5.5
4.0	GSBIM4504S	GSBIS5504S
6.0	GSBIM4506S	GSBIS5506S
8.0	GSBIM4508S	GSBIS5508S
10.0	GSBIM4510S	GSBIS5510S
12.0	GSBIM4512S	GSBIS5512S

- Use for taking a bite registration at Fixture level impression
- Use for taking a bite registration after final impression
- Use a 1.2 Hex driver
- Packing Unit: Bite Index 2ea

Fixture Pick-up Impression Coping

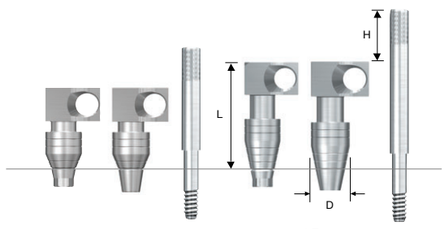
Mini



11 15

L		Type \ D	ø 4.0
11		Hex	GSPIM4011
		Non-Hex	GSPIM4011N
Guide Pin (H)	0	-	GSPGPM100
	5.0	-	GSPGPM150*
15		Hex	GSPIM4015
		Non-Hex	GSPIM4015N
Guide Pin (H)	0	-	GSPGPM100L
	5.0	-	GSPGPM150L*

Regular

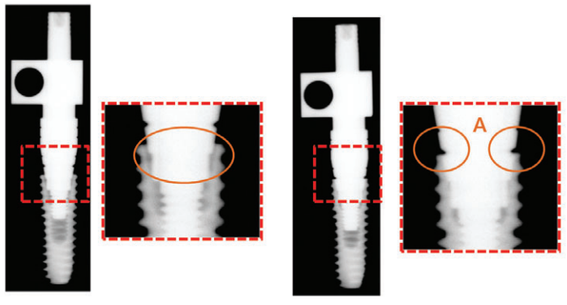


11 15

L		Type \ D	ø 4.0	ø 5.0	ø 6.0	ø 7.0
11		Hex	GSPIS4011	GSPIS5011	GSPIS6011	GSPIS7011
		Non-Hex	GSPIS4011N	GSPIS5011N	GSPIS6011N	GSPIS7011N
Guide Pin (H)	0	-	GSPGPR100			
	5.0	-	GSPGPR150*			
15		Hex	GSPIS4015	GSPIS5015	GSPIS6015	GSPIS7015
		Non-Hex	GSPIS4015N	GSPIS5015N	GSPIS6015N	GSPIS7015N
Guide Pin (H)	0	-	GSPGPR100L			
	5.0	-	GSPGPR150L*			

- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference ( )
- Long and short types enhance convenience.
- Packing unit : Impression Coping Body + Guide Pin

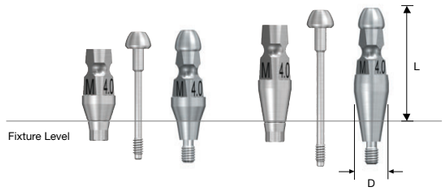
※ The connection of the fixture transfer impression coping can also be verified by aligning the notch (A) in the connecting part of the coping body with the upper part of the fixture or removing the gap at the 11° taper area.



Bad Good

Fixture Transfer Impression Coping

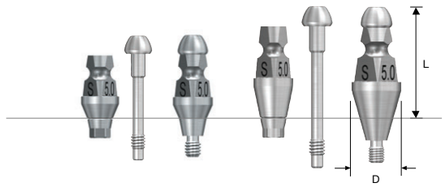
Mini



Hex Non-Hex Hex Non-Hex

11 14

Regular



Hex Non-Hex Hex Non-Hex

11 14

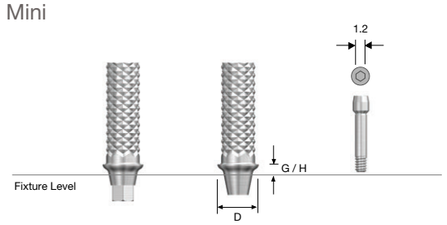
L	Type \ D	ø 4.0
11	Hex	GSTIM4011
	Non-Hex	GSTIM4011N
14	Hex	GSTIM4014
	Non-Hex	GSTIM4014N

L	Type \ D	ø 4.0	ø 5.0	ø 6.0
11	Hex	GSTIS4011	GSTIS5011	GSTIS6011
	Non-Hex	GSTIS4011N	GSTIS5011N	GSTIS6011N
14	Hex	GSTIS4014	GSTIS5014	GSTIS6014
	Non-Hex	GSTIS4014N	GSTIS5014N	GSTIS6014N

- Transfer type for taking an impression using a ready-made tray
- Triangular arc (▽) design improves markability following impression
- Long and short types enhance convenience
- The hex type is designed as a two-piece, and the non-hex type, as a one-piece
- Packing unit : Impression Coping Body + Guide Pin (Hex)
  Impression Coping (Non-Hex)

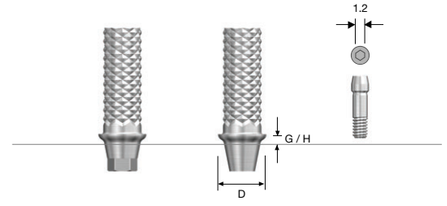
Temporary Abutment

Mini



Hex Non-Hex

Regular



Hex Non-Hex

G/H	Type \ D	ø 4.0
1.0	Hex	GSTTA4010T
	Non-Hex	GSTTA4010TN
3.0	Hex	GSTTA4030T
	Non-Hex	GSTTA4030TN
Ti Screw		GSABSMT

G/H	Type \ D	ø 4.5
1.0	Hex	GSTTA4510T
	Non-Hex	GSTTA4510TN
3.0	Hex	GSTTA4530T
	Non-Hex	GSTTA4530TN
Ti Screw		GSABSST

- Use to make temporary prosthesis (material : Ti Gr-3)
- Easy to customize ; designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 20 Ncm (mini, regular)

Order code - Abutment + Ti screw : Product code + TH (ex : GSTTA4510TH)

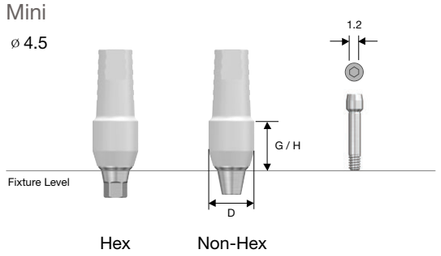
TS SYSTEM

Quick Temporary Abutment

- Cement/Screw Retained Restoration

Mini

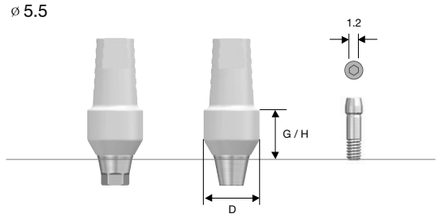
ø 4.5



Hex Non-Hex

Regular

ø 5.5



Hex Non-Hex

G/H	Type \ D	ø 4.5	ø 5.5
5.0	Hex	TSQTA4550	TSQTA5550
	Non-Hex	TSQTA4550N	TSQTA5550N

- Packing unit : Quick temporary abutment + Ti Screw

- Used to fabricate temporary prosthesis for immediate loading
- Peek material enables easy modification/removal of configuration
- Excellent durability provided by the titanium interface
- Can be used in the mouth for up to 180 days
- Tightening torque : 20 Ncm (Mini/Regular)

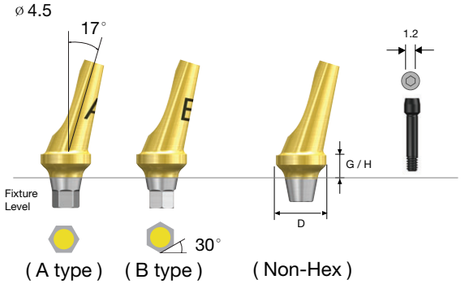
Order code - Abutment + Ti Screw : Product Code + TH (예 : TSQTA5550TH)

Angled Abutment

Cement Retained Restoration

Mini

ø 4.5

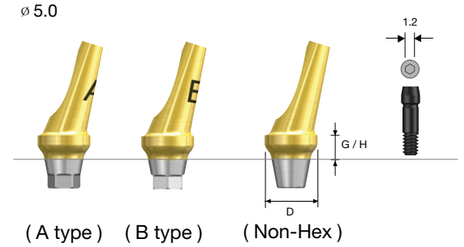


(A type) (B type) (Non-Hex)

G/H	Type \ D	ø 4.5
2.0	Hex(A Type)	GSAA4520MA
	Hex(B Type)	GSAA4520MB
	Non-Hex	GSAA4520MN
4.0	Hex(A Type)	GSAA4540MA
	Hex(B Type)	GSAA4540MB
	Non-Hex	GSAA4540MN
EbonyGold Screw		GSABSM

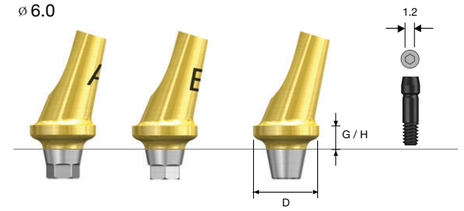
Regular

ø 5.0



(A type) (B type) (Non-Hex)

ø 6.0



(A type) (B type) (Non-Hex)

G/H	Type \ D	ø 5.0	ø 6.0
2.0	Hex(A Type)	GSAA5020A	GSAA6020A
	Hex(B Type)	GSAA5020B	GSAA6020B
	Non-Hex	GSAA5020N	GSAA6020N
4.0	Hex(A Type)	GSAA5040A	GSAA6040A
	Hex(B Type)	GSAA5040B	GSAA6040B
	Non-Hex	GSAA5040N	GSAA6040N
EbonyGold Screw		GSABSS	

- Used for the path adjustment of prosthesis in case of 17° axial angle
- 11° taper connection for excellent safety
- Gold color for aesthetic effect
- Functions as a double hex type (A and B hex types)
- The use of an abutment selector enables the selection of precise hex-type abutments
- Use a 1.2 hex driver
- Packing unit : Abutment + EbonyGold screw
- Tightening torque : 20 Ncm (mini), 30 Ncm (regular)

Order code

- Abutment + EbonyGold screw : Product code + WH (ex : GSAA5020AWH)

Angled Abutment Selector

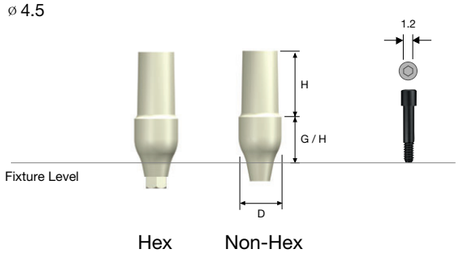
G / H	Type \ D	Mini ø 4.5	Regular ø 5.0	Regular ø 6.0
2.0	Hex(A Type)	GSAAS4520MA	GSAAS5020A	GSAAS6020A
	Hex(B Type)	GSAAS4520MB	GSAAS5020B	GSAAS6020B
4.0	Hex(A Type)	GSAAS4540MA	GSAAS5040A	GSAAS6040A
	Hex(B Type)	GSAAS4540MB	GSAAS5040B	GSAAS6040B

- Use for the selection of specifications such as A- or B-type angled abutments, diameter, and G/H in the oral cavity or on a working model

ZioCera Abutment
Cement or Screw Retained Restoration

Mini

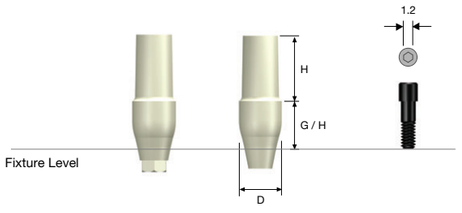
ø 4.5



D		ø 4.5	
H	Type G/H	Hex	Non-Hex
7.0	3.5	GSZAM4535	GSZAM4535N
	5.0	GSZAM4550	GSZAM4550N
EbonyGold Screw		GSASM	

Regular

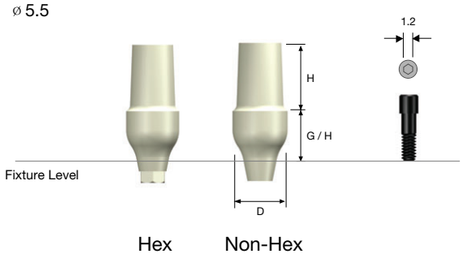
ø 4.5



D		ø 4.5	
H	Type G/H	Hex	Non-Hex
7.0	3.5	GSZAS4535	GSZAS4535N
	5.0	GSZAS4550	GSZAS4550N
EbonyGold Screw		GSASR	

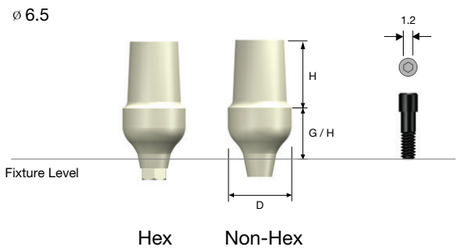
D		ø 5.5	
H	Type G/H	Hex	Non-Hex
7.0	3.5	GSZAS5535	GSZAS5535N
	5.0	GSZAS5550	GSZAS5550N
EbonyGold Screw		GSASR	

ø 5.5



D		ø 6.5	
H	Type G/H	Hex	Non-Hex
7.0	3.5	GSZAS6535	GSZAS6535N
	5.0	GSZAS6550	GSZAS6550N
EbonyGold Screw		GSASR	

ø 6.5



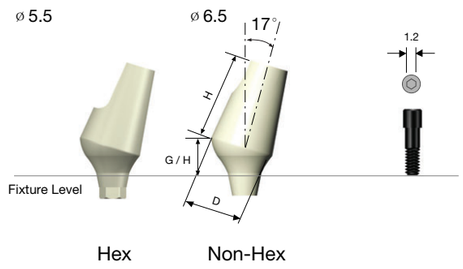
- Use for esthetic implant restorations
- Ivory Color for esthetic shade
- Applicable as a screw retained by direct build up
- Use a 1.2 Hex driver
- Packing Unit: Abutment + EbonyGold Screw
- Tightening torque:20Ncm(mini), 30Ncm(regular)

Order code - Abutment + EbonyGold screw : Product Code + WH
(ex : GSZAS5535NWH)

ZioCera Angled abutment
Cement or Screw Retained Restoration

Regular

ø 5.5 ø 6.5



D		ø 5.5	
H	Type G/H	Hex	Non-Hex
9.0	3.0	GS17ZAS5530	GS17ZAS5530N
	4.0	-	-
EbonyGold Screw		GSASR	

D		ø 6.5	
H	Type G/H	Hex	Non-Hex
9.0	3.0	-	-
	4.0	GS17ZAS6540	GS17ZAS6540N
EbonyGold Screw		GSASR	

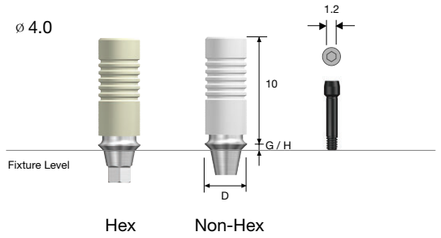
- Use for esthetic implant restorations which needed path modification
- Ivory Color for esthetic shade
- Applicable as a screw retained by direct build up
- Use a 1.2 Hex driver
- Packing Unit: Abutment + EbonyGold Screw
- Tightening torque:20Ncm(mini), 30Ncm(regular)

Order code - Abutment + EbonyGold screw : Product Code + WH (ex : GS17ZAS5530NWH)

TS SYSTEM

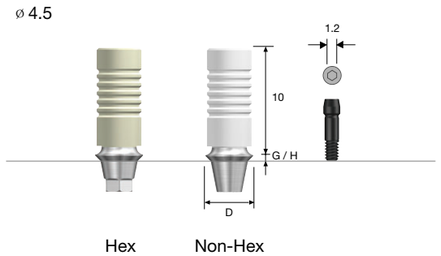
GoldCast Abutment
Screw or Cement Retained Restoration

Mini



G/H	Type \ D	ø 4.0
1.0	Hex	GSGA4010S
	Non-Hex	GSGA4010B
3.0	Hex	GSGA4030S
	Non-Hex	GSGA4030B
EbonyGold Screw		GSABSM

Regular



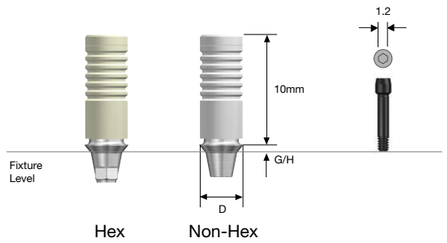
G/H	Type \ D	ø 4.5
1.0	Hex	GSGA4510S
	Non-Hex	GSGA4510B
3.0	Hex	GSGA4530S
	Non-Hex	GSGA4530B
EbonyGold Screw		GSABSS

- Use for cases with path and aesthetic and spatial constraints
- 11˚taper connection for excellent safety
- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of abutments (Au, Pt, Pd Alloy) : 1400 - 1450˚C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Abutment + EbonyGold screw
- Tightening torque : 20 Ncm (mini), 30 Ncm (regular)

Order code
- Abutment + EbonyGold screw : Product code + WH (ex : GSGA4510SWH)

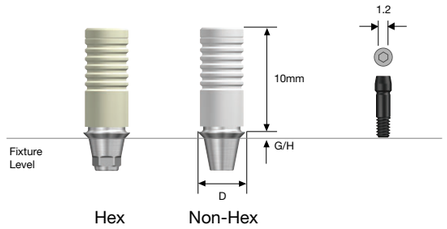
NP-CAST Abutment
Screw or Cement Retained Restoration

Mini



G/H	Type \ D	ø 4.0
1.0	Hex	GSNA4010S
	Non-Hex	GSNA4010B
3.0	Hex	GSNA4030S
	Non-Hex	GSNA4030B
EbonyGold Screw		GSABSM

Regular



G/H	Type \ D	ø 4.5
1.0	Hex	GSNA4510S
	Non-Hex	GSNA4510B
3.0	Hex	GSNA4530S
	Non-Hex	GSNA4530B
EbonyGold Screw		GSABSS

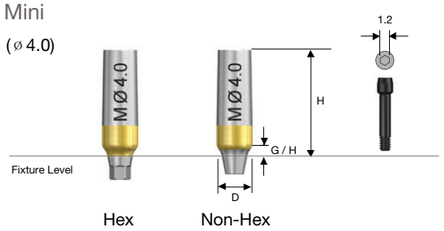
- Packing unit : Abutment + EbonyGold screw

- Use for cases with path and aesthetic and spatial constraints
- After customization, be sure to use only dental non-precious metal alloy for casting to make the prosthesis
- Use the 1.2 hex driver
- Tightening torque : 20Ncm(Mini), 30Ncm(Regular)

Order code
- Abutment + EbonyGold screw : Product Code + WH (ex : GSNA4510SWH)

FreeForm ST Abutment
Cement Retained Restoration

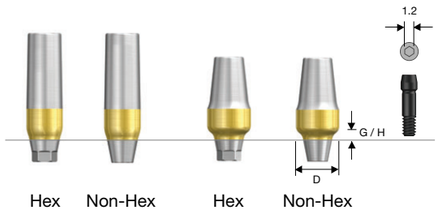
Mini
(ø 4.0)



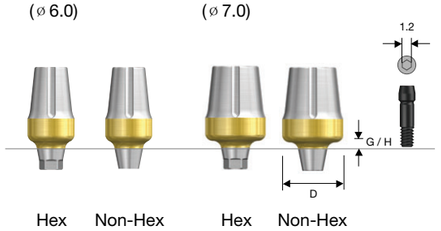
G/H	H	Type \ D	ø 4.0
1.5	12	Hex	GSFAM4015
		Non-Hex	GSFAM4015N
3.0		Hex	GSFAM4030
		Non-Hex	GSFAM4030N
EbonyGold Screw			GSABSM

Regular

(ø 4.0) (ø 5.0)



(ø 6.0) (ø 7.0)



G/H	Type \ D	ø 4.0	ø 5.0	ø 6.0	ø 7.0
1.5	Hex	GSFA4015	GSFA5015	GSFA6015	GSFA7015
	Non-Hex	GSFA4015N	GSFA5015N	GSFA6015N	GSFA7015N
3.0	Hex	GSFA4030	GSFA5030	GSFA6030	GSFA7030
	Non-Hex	GSFA4030N	GSFA5030N	GSFA6030N	GSFA7030N
EbonyGold Screw		GSABSS			

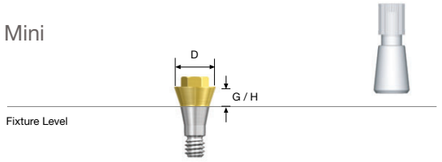
- Use for the path adjustment of abutments or customization of prosthetic margin
- 11˚ taper connection for excellent safety
- Gingival gold color for aesthetic effect
- Use a 1.2 hex driver
- Packing unit : Abutment + EbonyGold screw
- Tightening torque : 20 Ncm (mini), 30 Ncm (regular)

Order code
- Abutment + EbonyGold screw : Product code + WH (ex : GSFA5015WH)

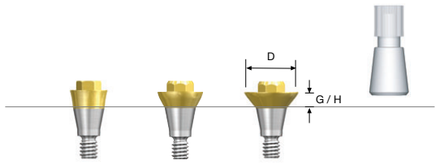
Convertible Abutment Components

Convertible Abutment
Screw & Cement Retained Restoration

Mini



Regular



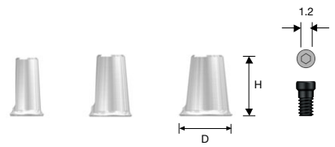
G/H \ D	ø 4.0
1.0	GSCA4010
2.0	GSCA4020
3.0	GSCA4030
4.0	GSCA4040

G/H \ D	ø 4.0	ø 5.0	ø 6.0
1.0	GSCAS4010	GSCA5010	GSCA6010
2.0	GSCAS4020	GSCA5020	GSCA6020
3.0	GSCAS4030	GSCA5030	GSCA6030
4.0	GSCAS4040	GSCA5040	GSCA6040
5.0	-	GSCA5050	GSCA6050

- Use for creating bridge case prosthesis with dislocated path
- Designed to make the prosthesis onto a cylinder following abutment connection in the oral cavity
- ø 4.0 : Use an O-ring abutment driver
  ø 4.8, ø 6.0 : Use an Octa abutment driver
- Packing : Abutment + Carrier
- Tightening torque : 30 Ncm

Order code - Abutment + Carrier : Product Code + P (ex : GSCA5030P)

Convertible Combination Cylinder

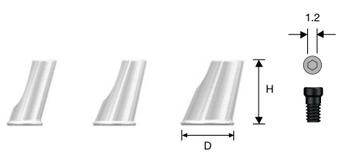


H \ D	Mini ø 4.0	Regular ø 4.0	Regular ø 5.0	Regular ø 6.0
7.0	GSCC4070T(Hex)		GSCC5070T (Octa)	GSCC6070T (Octa)
	GSCC4070TN(Non-Hex)			
EbonyGold Screw	GSFSM		GSFSR	

- Use for making combination-retained prosthesis using convertible abutments.
- Use a 1.2 hex driver
- Packing unit : Cylinder + EbonyGold screw
- Tightening torque : 20 Ncm

Order code
- Cylinder + EbonyGold screw : Product code + WH (ex : GSCC5070TWH)

Convertible Angled Cylinder



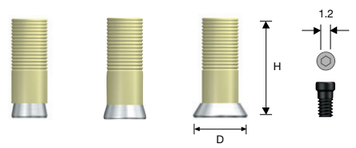
H \ D	Mini ø 4.0	Regular ø 4.0	Regular ø 5.0	Regular ø 6.0
8.0	GSAC4080T(Hex)		GSAC5080T (Octa)	GSAC6080T (Octa)
	GSAC4080TN(Non-Hex)			
EbonyGold Screw	GSFSM		GSFSR	

- Use for making combination-retained prosthesis using convertible abutments
- Used for the path adjustment of prosthesis given 17˚ axial angle
- Use a 1.2 hex driver
- Packing unit : Cylinder + EbonyGold screw
- Tightening torque : 20 Ncm

Order code
- Cylinder + EbonyGold screw : Product Code + WH (ex : GSAC5080TWH)

TS SYSTEM

Convertible GoldCast Cylinder

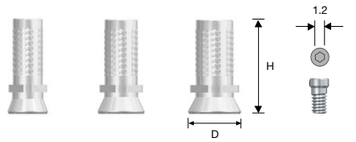


		Mini	Regular		
H	D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
12		GSGC400(Hex)		GSGC500 (Octa)	GSGC600 (Octa)
		GSGC400N(Non-Hex)			
EbonyGold Screw		GSFSM		GSFSR	

- Use for making screw-retained prosthesis using convertible abutments
- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of cylinder (Au, Pt, Pd Alloy) : 1400 - 1450˚C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Cylinder + EbonyGold screw
- Tightening torque : 20 Ncm

Order code - Cylinder + EbonyGold screw : Product Code + WH
(ex: GSGC500WH)

Convertible Temporary Cylinder

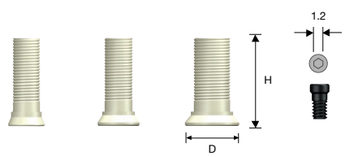


		Mini	Regular		
H	D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
10		GSCTC400T(Hex)		GSCTC500T (Octa)	GSCTC600T (Octa)
		GSCTC400TN(Non-Hex)			
Ti Screw		GSFSMT		GSFSRT	

- Use to make temporary prosthesis (material: Ti Gr-3)
- Easy to customize ; designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Cylinder + EbonyGold screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product Code + TH (ex: GSCTC500TTH)

Convertible Plastic Cylinder



		Mini	Regular		
H	D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
12		GSCPL400(Hex)		GSCPL500 (Octa)	GSCPL600 (Octa)
		GSCPL400N(Non-Hex)			
EbonyGold Screw		GSFSM		GSFSR	

- Use for making screw-retained prosthesis using convertible abutments
- After customization, casting should be performed with dental alloy (gold, non-precious metal) to make the prosthesis
- The precision of the connection part is lower compared to gold cylinders
- Use a 1.2 hex driver
- Packing unit : Cylinder + EbonyGold screw
- Tightening torque : 20 Ncm

Order code - Cylinder + EbonyGold screw : Product Code + WH
(ex: GSCPL500WH)

Convertible Pick-up Impression Coping

		Mini	Regular		
D		ø 4.0	ø 4.0	ø 5.0	ø 6.0
Code		GSPIC400(Hex)		GSPIC500 (Octa)	GSPIC600 (Octa)
Guide Pin (H)	0	GSCGP400S		GSCGP500S	
	5	GSCGP400L*		GSCGP500L	

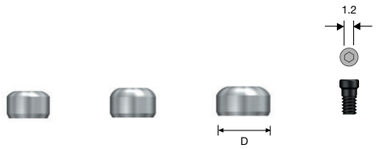
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (▱)
- Packing unit : Impression coping body + Guide Pin

Convertible Transfer Impression Coping

	Mini	Regular		
D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
Code	GSTIC400(Hex)		GSTIC500 (Octa)	GSTIC600 (Octa)

- Transfer type for taking an impression using a ready-made tray
- Triangular arc (▽) design improves markability following impression
- Packing unit : Impression Coping body + Guide Pin

Convertible Protect Cap



	Mini	Regular		
D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
Code	GSCHC400(Hex)		GSCHC500 (Non-Octa)	GSCHC600 (Non-Octa)
EbonyGold Screw	GSFSM		GSFSR	

- Use for the protection of Convertible abutments in the oral cavity and to minimize the patient's discomfort
- Use a 1.2 hex driver
- Packing unit : Protect Cap + EbonyGold screw
- Tightening torque : 20Ncm

Order code

- Protect Cap + EbonyGold screw : Product Code + WH (ex: GSCHC500WH)

Convertible Lab Analog

	Mini	Regular		
D	ø 4.0	ø 4.0	ø 5.0	ø 6.0
Code	GSCLA400		GSCLA500	GSCLA600

- Make aesthetic oral abutments on the working model
- Packing unit : Lab analog

Convertible Polishing Protector

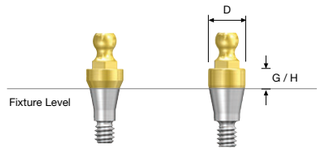
	Mini	Regular	
D	ø 4.0	ø 5.0	ø 6.0
Code	GSCPC400(Hex)	GSCPC500(Octa)	GSCPC600(Octa)

- For polishing upon prosthetic casting, use to avoid damaging the cylinder joint
- Packing unit : Polishing protector

Stud Abutment Components

Stud Abutment

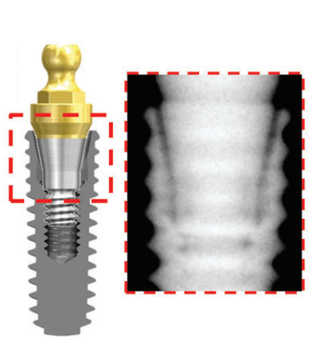
Overdenture Restoration



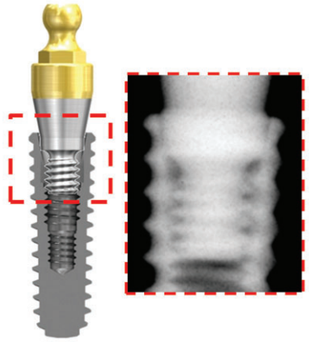
G/H \ D	Mini ø 3.5	Regular ø 3.5
1.0	GSSAM3510	GSSA3510
2.0	GSSAM3520	GSSA3520
3.0	GSSAM3530	GSSA3530
4.0	GSSAM3540	GSSA3540
5.0	GSSAM3550	GSSA3550
6.0	GSSAM3560	GSSA3560

- Packing unit : Only abutment

※ Due to a mix of specifications(Mini/Regular) will occur wrong connection.
Always verify the exactness of the connection by taking an x-ray after the final connection of the abutment.



< Abutment : Mini / Fixture : Regular >



< Abutment : Regular / Fixture : Mini >

O-ring Retainer Cap Set

Code	RCS01

- Packing unit : Retainer cap + O-ring

O-ring Retainer Set

Code	RS01

- More advantageous for smaller occlusal gap compared to a retainer cap
- Packing unit : Retainer + O-ring

O-ring Set

Code	OAON01S

- Packing unit : O-ring 5 piece

O-ring Lab Analog

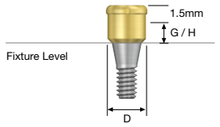
Code	OAL

- Make oral O-ring abutments on the working model
- Packing unit : Lab analog

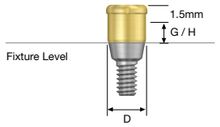
LOCATOR® Components

LOCATOR® Abutment
Overdenture Restoration

Mini



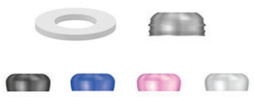
Regular



G/H \ D	Mini	Regular
	ø 3.7	
1.0	HGLCA3510M	HGLCA4010S
2.0	HGLCA3520M	HGLCA4020S
3.0	HGLCA3530M	HGLCA4030S
4.0	HGLCA3540M	HGLCA4040S
5.0	HGLCA3550M	HGLCA4050S

- Packing unit : Locator abutment
- Stable dual retention & optimal holding capabilities against various retention forces (6N, 12N, 22N)
- Excellent durability
- Possible denture restorations even at small vertical dimension
- Accommodate up to 40° divergence between two implants
- Retention males can be easily placed & removed with core tool
- Tightening torque : 30Ncm
- Can be used in GS system & HG system

LOCATOR® Male Processing Kit



Code	LMPS

- Packing Unit : Locator Male Processing Kit (2 Set)
- Consist of
  -Block out Spacer/Denture Cap connected Black Processing Male
  -Replacement Male Blue/Pink/Clear
- Male Change by Locator Core Tool

LOCATOR® Replacement Male

Code	LRM06S

- Packing Unit : Blue Replacement Male (4ea)
- retention Force : about 6N
- 0°~20° divergence (between two implants)

Code	LRM12S

- Packing Unit : Pink Replacement Male (4ea)
- retention Force : about 12N
- 0°~20° divergence (between two implants)

Code	LRM22S

- Packing Unit : clear Replacement Male (4ea)
- retention Force : about 22N
- 0°~20° divergence (between two implants)

LOCATOR® Extended Replacement Male

Code	LEM06S

- Packing Unit : Red Extended Replacement Male (4ea)
- retention Force : about 6N
- 20°~40° divergence (between two implants)

Code	LEM12S

- Packing Unit : Green Extended Replacement Male (4ea)
- retention Force : about 12N
- 20°~40° divergence (between two implants)

LOCATOR® Black Processing Male

Code	LBPS

- Packing Unit : black processing Male (4ea)
- for lab. process

LOCATOR® Block out spacers

Code	LBSS

- Packing Unit : Locator Block out spacers (20ea)
- For Space Sealing between Locator Abutment & Denture Cap

LOCATOR® Impression Coping

Code	LICS

- Packing Unit : Locator Impression Coping (4ea)
- For Abutment level impression

LOCATOR® lab Analog

Code	LAL40S
	LAL50S

- Packing Unit : Locator lab Analog (4ea)

LOCATOR® Core Tool

Code	LCCT

- Packing Unit : Locator Core Tool
- foe handling of locator system

LOCATOR® Torque Driver

Type	Short	Long
Code	TWLDS	TWLDL

- Packing Unit : Locator Torque Driver
- For tightening of Locator Abutment
- Select the Short/Long length

SS Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

SS Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

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 50 LOCATOR® Abutment	 50 LOCATOR® Male Processing Kit	 51 LOCATOR® Replacement Male	 52 LOCATOR® Extended Replacement Male	 52 LOCATOR® Black Processing Male
 52 LOCATOR® Block out Spacer	 52 LOCATOR® Impression Coping	 52 LOCATOR® Lab Analog	52 LOCATOR® Core Tool	 53 LOCATOR® Torque Driver

OSSTEM HISTORY

2012
- Nov Hosts 'OSSTEM ATC Forum 2012 Seoul'
- Jul Registers and obtains approval from FDA in Mexico
  Established OSSTEM Dental Equipment Research Institute
- Jun Develops and begins commercial production of TSIII CA
  Develops and begins commercial production of ESSET Kit for Ridge Split
- May Develops and begins commercial production of MS SA
- Apr Hosts 'OSSTEM World Meeting 2012 Taipei'
  Develops and begins commercial production of TSIII BA
  Registers and obtains approval from Ministry of Health in Indonesia
  Develops and begins commercial production of USIII SA
- Mar Develops and begins commercial production of USIII SA
  Develops and begins commercial production of SSIII HA
  Registers and obtains approval from Ministry of Health and Welfare in Kazakhstan

2011
- Dec Introduces and commences commercial production of K2 Unit & Chair
- Nov Develops and begins commercial production of Smart Membrane
- Oct Registers and obtains approval from Health Canada
  Develops and begins commercial production of USII SA and 123 Kit
- Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
  Develops and begins commercial production of SSIII SA
  Registers and obtains approval from the Ministry of Health and Society in Vietnam
- Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
- Jul Develops and begins commercial production of CustomFit Abutment
  Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
- Jun Develops and begins commercial production of TSII SA
  Hosts 'OSSTEM World Meeting 2011 in Seoul'
- Apr Develops and begins commercial production of LAS Kit
  Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
- Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
- Feb Develops and begins commercial production of TSIV SA

2010
- Nov Develops and begins commercial productions of SSII SA
- Aug Develops and begins commercial productions of TSIII Ultra-wide
- Jun Develops and begins commercial productions of TSIII HA and CAS Kit
  Opens 'OSSTEM World Meeting 2010 in Beijing'
- Apr Develops and begins commercial productions of Osstem Guide
- Mar Develops and begins commercial productions of TSIII SA

2009
- Oct Registers and obtains approval from Health, Labor and Welfare in Japan
- May Hosts 'OSSTEM World Meeting 2009 in Bangkok'
- Jan Certifies PEP7 (the world's first new Osseo-inductive compound)

2008
- Nov Develops and begins commercial productions of SS Ultra-wide
- Jun Develops and begins commercial productions of GSIII
- Apr Holds 'OSSTEM World Meeting 2008 in Seou'

2008
- Mar Opens ATC Training Center
- Jan Establishes OSSTEM Bone Science Institute

2007
- Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
- Jun Registers and obtains approval from the TGA in Australia
- May Develops and begins commercial production of US Ultra-wide
- Apr Hosts 'OSSTEM World Meeting 2007 in Seoul'
  Begins commercial production of V-ceph
- Mar Develops and begins commercial production of MS
  Lists on KOSDAQ (KRX: Korea Exchange)

2006
- Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
  Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
- Nov Registers and obtains approval from the SFDA in China
- Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
- Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
- Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
- Apr Registers and obtains the GOST-R certification in Russia
  Opens 'OSSTEM World Meeting 2006 in Seoul'
  Publishes the 「2006 OSSTEM IMPLANT SYSTEM」- Introduction and particulars of implant system
- Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005
- Dec Registers and obtains approval by the DOH in Taiwan
  Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
- May Develops and begins commercial production of GSII
- Apr Hosts 'OSSTEM World Meeting 2005 in Seoul'
- Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
- Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004
- Nov Develops and begins commercial production of SSIII
- Jul Develops and begins commercial production of USIII
- Apr Opens 'OSSTEM World Meeting 2004 in Seou'

2002
- Oct Develops and begins commercial production of SSII
- Aug Registers and obtains approval by the FDA in the USA
  Develops and begins commercial production of USII
- Jan Establishes OSSTEM Implant R&D Center

2001
- Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
- Jan Obtains CE-0434 certification

1999
- Dec Obtains ISO-9001 certification

1997
- Dec Begins commercial production under the brand name of OSSTEM
- Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

1995
- Develops dental implants and acquires industrial license

1992
- Initiates the development of dental implant system

CHARACTERISTIC of OSSTEM IMPLANT SYSTEM

■SS System- Clinic

No.	Title	Reference	Author
1	Surgical Repositioning of an Unrestorable Implant Using aTrephine Bur: A Case Report	Int J Periodontics Restorative Dent. 2010Mar-Apr;30(2):181-5	Yong-Deok Kim ea al.
2	Analysis of Prognostic Factors after a Variety of Osstem® Implant Installation	J Korean Implantology(KAOMI) 2011;15(2):170-9	Young-Kyun Kim et al.
3	Short-term, Multi-center Prospective Clinical Study of Short Implants Measuring Less than 7mm	J Kor Dent Sci 2010;3(1):11-6	Young-Kyun Kim et al.
4	Non-submerged type implant stability analysis during initial healing period by resonance frequency analysis	J Korean Acad Periodontol 2009;39:339-48	Kyoo-Sung Cho et al.
5	Prospective Clinical Trial of Survival Rate for Two Different Implant Surfaces Using the Osstem SS Non-submerged Implant System in Partially Edentulous Patients	J Kor Dent Sci. 2009;3(1):35-41	Su-Kwan Kim et al.
6	Evaluation of Peri-implant Tissue in Nonsubmerged DentalImplants: a Multicenter Retrospective Study	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009;108(2):189-95	Young-Kyun Kim et al.
7	A Randomized Clinical One-year Trial Comparing Two Types of Nonsubmerged Dental Implant	Clin Oral Impl Res 2010;21(2):228-36	Jong-Ho Lee et al.
8	Evaluation of Sinus Bone Resorption and Marginal Bone Loss after Sinus Bone Grafting and Implant Placement	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:e21-8	Young-Kyun Kim et al.
9	A Comparison of Implant Stability Quotients Measured Using Magnetic Resonance Frequency Analysis from Two Directions:Prospective Clinical Study during the Initial Healing Period	Clin. Oral Impl. Res. 2010;21(6):591-7	Jong-Ho Lee et al.
10	Four-year Survival Rate of RBM Surface Internal Connection Non-Submerged Implants and the Change of the Peri-Implant Crestal Bone	J Korean Assoc Maxillofac Plast Reconstr Surg 2009;31(3):237-42	Myung-Rae Kim et al.
11	Clinical Application of Osstem SS III Implant System	J Korean Dental Success 2009;29(8):829-37	In-Seong Jeon
12	A Retrospective Study on the Clinical Success Rate of OsstemImplant	Key Engineering Materials 2008;361-363:1331-4	Su-Kwan Kim et al.
13	Placement of Calcium Metaphosphate-coated Dental Implants in the Posterior Maxilla: Case Reports	Hosp Dent (Tokyo)2008;20(1):39-43	Su-Kwan Kim et al.
14	Multicenter Retrospective Study of Immediate Two Different RBM Surfaced Implant Systems after Extraction	J Korean Assoc MaxillofacPlast Reconstr Surg 2008;30(3):258-65	Hee-Kyun Oh et al.
15	A Retrospective Multicenter Clinical Study of Installed US II / SS II Implants after Maxillary Sinus Floor Elevation	J Kor Oral Maxillofac Surg 2008;34:341-9	Hee-Kyun Oh et al.
16	Clinical Retrospective Study of Sinus Bone Graft and ImplantPlacement	J Korean Assoc Maxillofac Plast ReconstrSurg 2008;30(3):294-302	Young-Kyun Kim et al.
17	Short term Retrospective Clinical Study on GS II, SS III, US III	J Korean Implantology(KAOMI) 2008;12(2):12-22	Young-Kyun Kim et al.
18	Resonance Frequency Analysis in Non-Submerged, Internal Type Implant with Sinus Augmentation Using Deproteinized Bovine Bone Mineral	J Korean Assoc Maxillofac Plast Reconstr Surg 2008;30(6):554-60.	Myung-Rae Kim et al.
19	Multicenter Retrospective Clinical Study of Osstem SS II ImplantSystem	J Korean Implantology(KAOMI) 2007;11(1):20-31	Young-Kyun Kim et al.
20	For whom? Immediate Implant: The Factors for Successful Immediate Implant	J Korean Cilnical Implant 2007;35(5):20-38	Jong-Jin Kwon et al.
21	Analysis of Clinical Application of Osstem (Korea) Implant System for 6 Years	J Korean Implantology(KAOMI) 2006;10(1):56-65	Young-Kyun Kim et al.
22	Multicentric Prospective Clinical Study of KoreanImplant System: Early Stability Measured by Periotest	J Korean Dent Assoc 2004;42(12):873-81	Young-Kyun Kim et al.

■SS System- Biology

No.	Title	Reference	Author
1	Study of the Osseointegration of Dental Implants Placed with an Adapted Surgical Technique.	Clin. Oral Impl. Res. 2011;22:753-9.	Jansen JA et al.
2	A Short-term Study on Immediate Functional Loading and Immediate Nonfunctional Loading Implant in Dogs: Histomorphometric Evaluation of Bone Reaction	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:519-24	Su-Gwan Kim et al.
3	Peri-Implant Bone Reactions at Delayed and Immediately Loaded Implants: An Experimental Study	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2008;105:144-8	Byung-Ho Choi et al.
4	Histologic Changes in the Maxillary Sinus Membrane after Sinus Membrane Elevation and the Simultaneous Insertion of Dental Implants without the Use of Grafting Materials	ral Surg Oral Med Oral Pathol Oral Radiol Endod 2008;105:e1-5	Byung-Ho Choi et al.
5	Effects of Sinus Membrane Elevation on Bone Formation around Implants Placed in the Maxillary Sinus Cavity: An Experimental Study	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2008;105:684-7	Byung-Ho Choi et al.
6	Comparison of Submerged and Nonsubmerged Implants Placed without Flap Reflection in the Canine Mandible	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2008;105:561-5	Byung-Ho Choi et al.
7	Influence of Abutment Connections and Plaque Control on the Initial Healing of Prematurely Exposed Implants: An Experimental Study in Dogs	J Periodontol 2008;79(6):1070-4	Byung-Ho Choi et al.
8	Flapless Implant Surgery: An Experimental Study	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2007;104:24-8	Byung-Ho Choi et al.
9	Comparison of Corticocancellous Block and Particulate Bone Grafts in Maxillary Sinus Floor Augmentation for Bone Healing around Dental Implants	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2007;104(3):324-8	Byung-Ho Choi et al.
10	Comparative Study of Removal Effect on Artificial Plaque from RBM Treated Implant	J Korean Assoc Maxillofac Plast Reconstr Surg 2007;29(4):309-20	Hee-Jyun Oh et al.

■SS System- Biomechanics

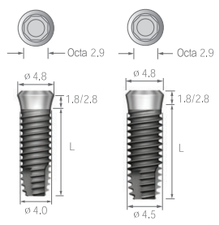
No.	Title	Reference	Author
1	Variation in the Total Lengths of Abutment/Implant Assemblies Generated with a Function of Applied Tightening Torque in External and Internal Implant-Abutment Connection.	Clin. Oral Impl. Res. 2011;22:834-9.	Ki-Seong Kim et al.
2	Fatigue Characteristics of Five Types of Implant-Abutment Joint Designs	METAL AND MATERIALS International 2008;14(2):133-8	Tae-Sung Bae et al.
3	Influence of Tightening Torque on Implant-Abutment Screw Joint Stability	J Kor Acad Prosthodont 2008;46(4):396-408	Chang-Mo Jeong et al.
4	Effect of Casting Procedure on Screw Loosening of UCLA Abutment in Two Implant-Abutment Conncetion Systems	J Kor Acad Prosthodont 2008;46(3):246-54	Myung-Joo Kim et al.
5	A Study of SmartpegTM's Lifetime according to Sterilization for Implant Stability	J Kor Acad Prosthodont 2008;46(1):42-52	In-Ho Cho et al.
6	Influence of Tungsten Carbide/Carbon Coating of Implant-Abutment Screw on Screw Loosening	J Kor Acad Prosthodont 2008;46(2):137-47	Chang-Mo Jeong et al.
7	Evaluation of Stability of Double Threaded Implant-Emphasis on Initial Stability Using Osstell Mentor™; Part I	J Kor Acad Stomatog Func Occlusion 2007;23(4)	Yong-Deok Kim ea al.
8	The Comparative Study of Thermal Inductive Effect Between Internal Connection and External Connection Implant in Abutment Preparation	J Kor Acad Prosthodont 2007;45(1):60-70	Sok-Min Ko et al.
9	Influence of Implant Fixture Design on Implant Primary Stability	J Kor Acad Prosthodont 2006;45(1):98-106	Seok-Gyu Kim et al.
10	Influence of Tungsten Carbide/Carbon on the Preload of Implant Abutment Screws	J Kor Acad Prosthodont 2006;44(2):229-42	Chang-Mo Jeong et al.
11	The Effect of Internal Implant-Abutment Connection and Diameter on Screw Loosening	J Kor Acad Prosthodont 2005;43(3):379-92	Kyung-Soo Jang et al.

SS SYSTEM

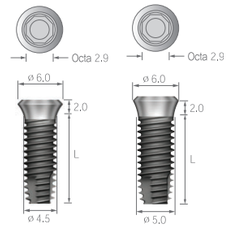
OSSTEM Implant System Flow

SSII SA

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Straight body facilitates the adjustment of implantation depth
- Powerful Self threading



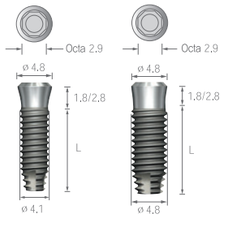
L : 7 8.5 10 11.5 13 15



L : 6 7 8.5 10 11.5 13 15

SSII

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- RBM surface with excellent bio-affinity
- Straight body facilitates the adjustment of implantation depth
- Powerful Self threading



L : 7 8.5 10 11.5 13 15

L : 7 8.5 10 11.5 13 15

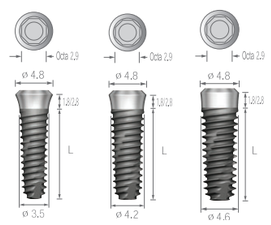
SSII Ultra-Wide®

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- RBM surface with excellent bio-affinity
- Compatible with SS wide abutment components
- Internal octa non-submerged wide diameter fixture
- Indication of SS Ultra-Wide® system
  - Immediate placement at the extract socket
  - Immediate replacement of the failed implant

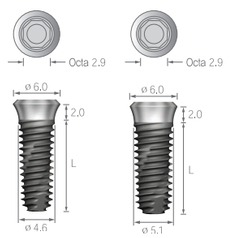
L : 7 8.5 10 11.5 13

SSIII SA

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Taper body offers High initial stability
- Increase initial stability in soft bone
- Corkscrew thread : Powerful Self threading



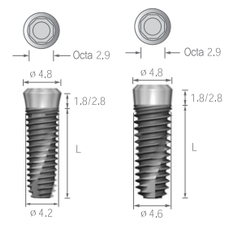
L : 7 8.5 10 11.5 13



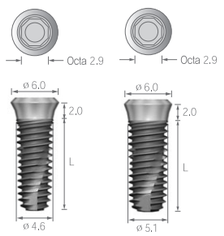
L : 6 7 8.5 10 11.5 13

SSIII

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- RBM surface with excellent bio-affinity
- Taper body offers High initial stability
- Increase initial stability in soft bone
- Corkscrew thread : Powerful Self threading



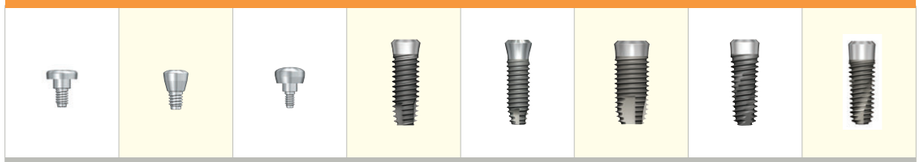
L : 7 8.5 10 11.5 13 15



L : 7 8.5 10 11.5 13 15

SS Prosthesis Library

SS System

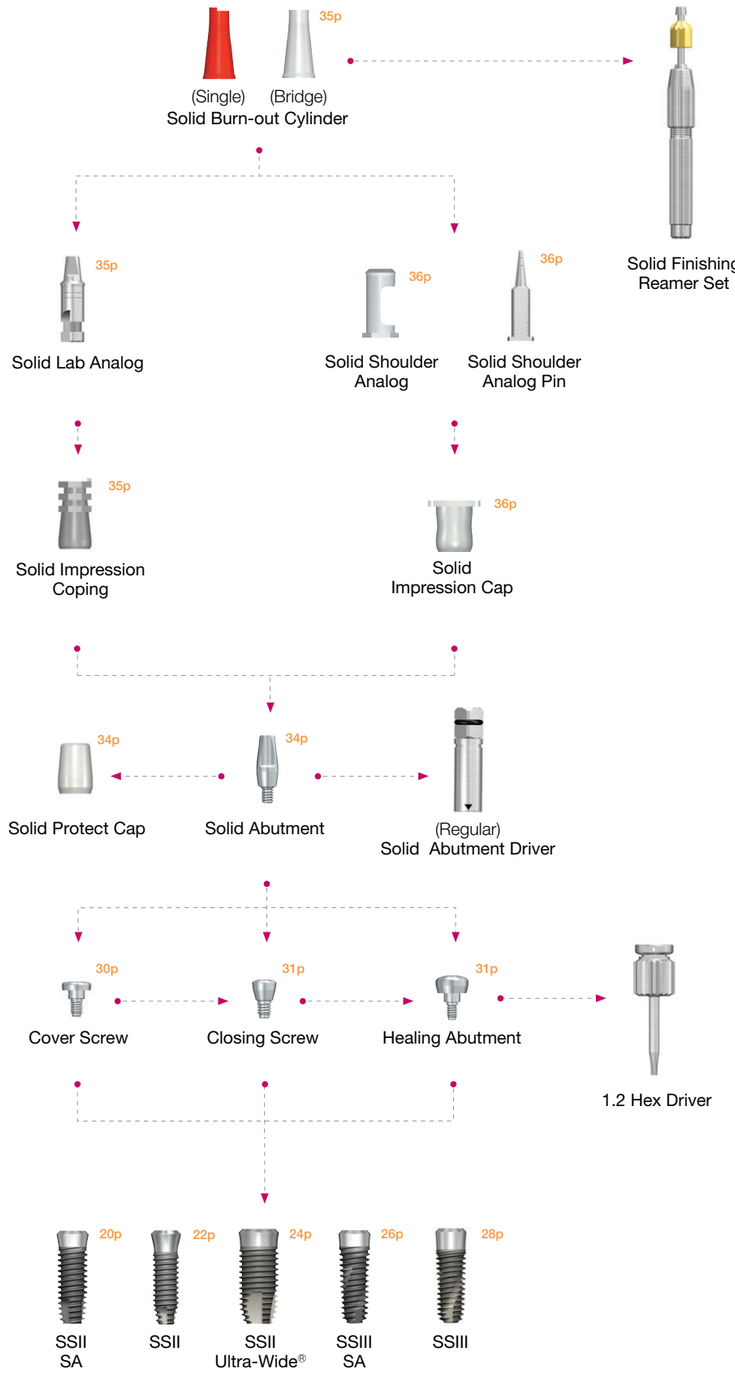


Type	Abutment	Protect Cap
Solid · Excellent Solid	Solid Excellent Solid	Solid Excellent Solid
ComOcta · ComOcta - Plus / Angled - Gold / NP-CAST	(Octa) (Non-Octa) ComOcta ComOcta Plus (15°) (20°) ComOcta Angled (Octa) (Non-Octa) ComOcta Gold / NP-CAST	**Abutment Screw** (Ti)
Octa		**Protect Cap**
O - ring		**O-rings System**
LOCATOR®		**Male Processing Kit**

Impression					Burn-out cylinder	Lab Analog
No Modification	Modification					
4.0mm 5.5mm 7.0mm Impression Coping	Impression Cap	Shoulder Analog	Shoulder Analog Pin		Single Bridge Burn-out cylinder	4.0mm 5.5mm 7.0mm Solid 4.0mm 5.5mm 7.0mm Excellent Solid
Gold Cylinder	Plastic Cylinder	Combination Cylinder	Temporary Abutment &Cylinder	Cylinder Screw	Impression Coping	
			(Octa) (Non-Octa)		(Octa) (Non-Octa) Pick-up (Octa) (Non-Octa) Transfer	
(Octa) (Non-Octa) (Octa) (Non-Octa)				(Ti)	(Octa) (Non-Octa) pick-up (Octa) Transfer	
Extended Replacement Male	CoreToll	Torque Driver				

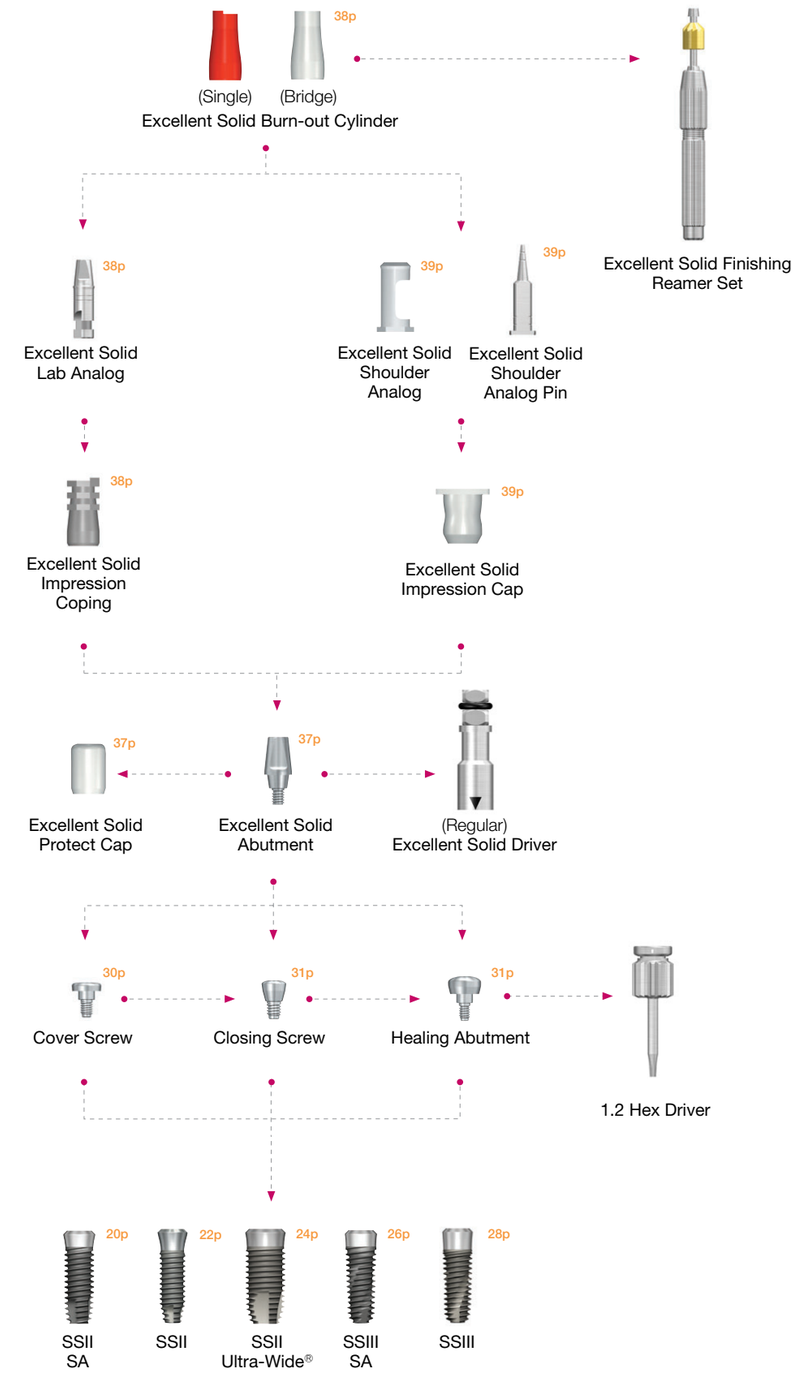
Prosthetic Flow Diagrams for SS System

Cement Retained Restoration : Solid Abutment • Regular, Wide



Prosthetic Flow Diagrams for SS System

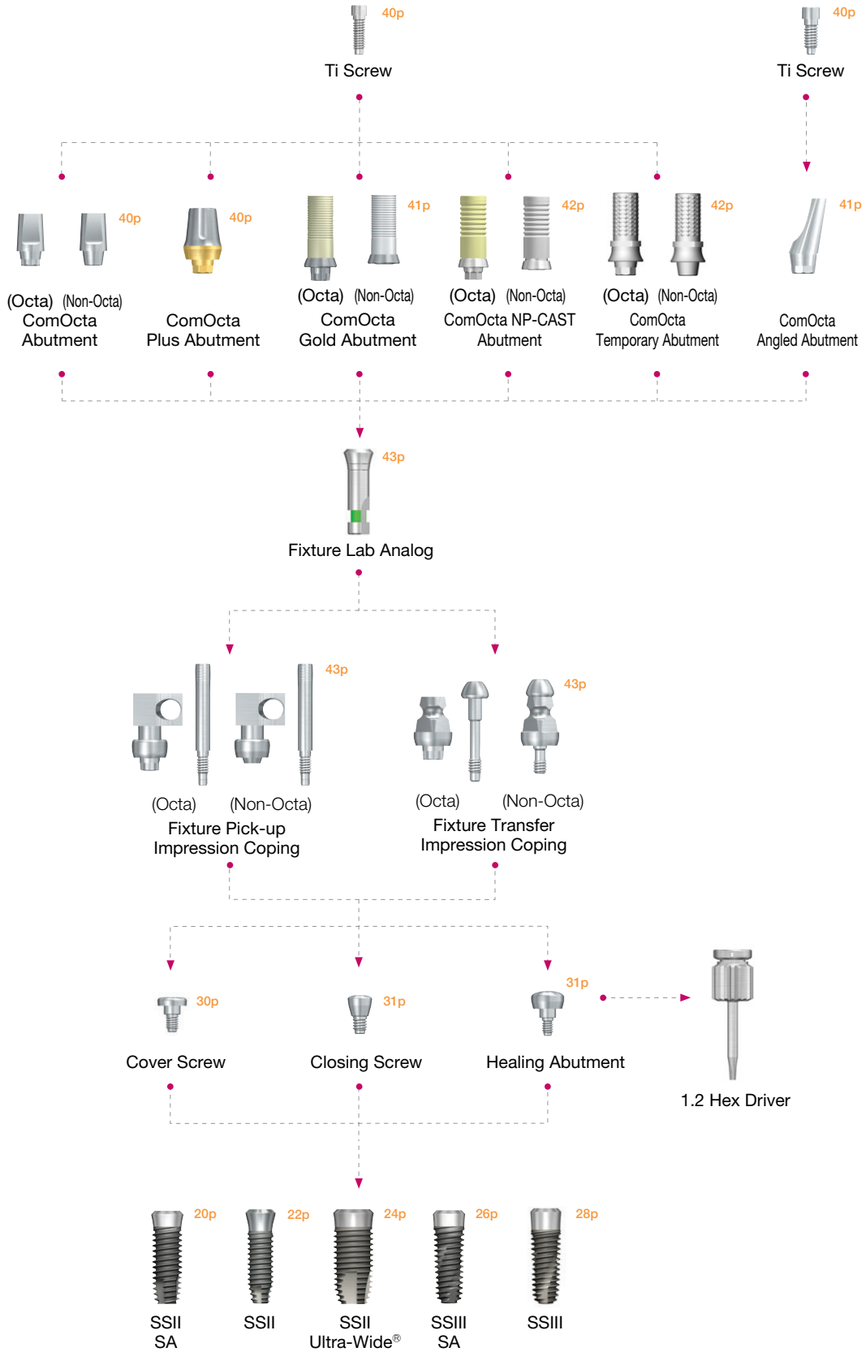
Cement Retained Restoration : Excellent Solid Abutment • Regular, Wide



Prosthetic Flow Diagrams for SS System

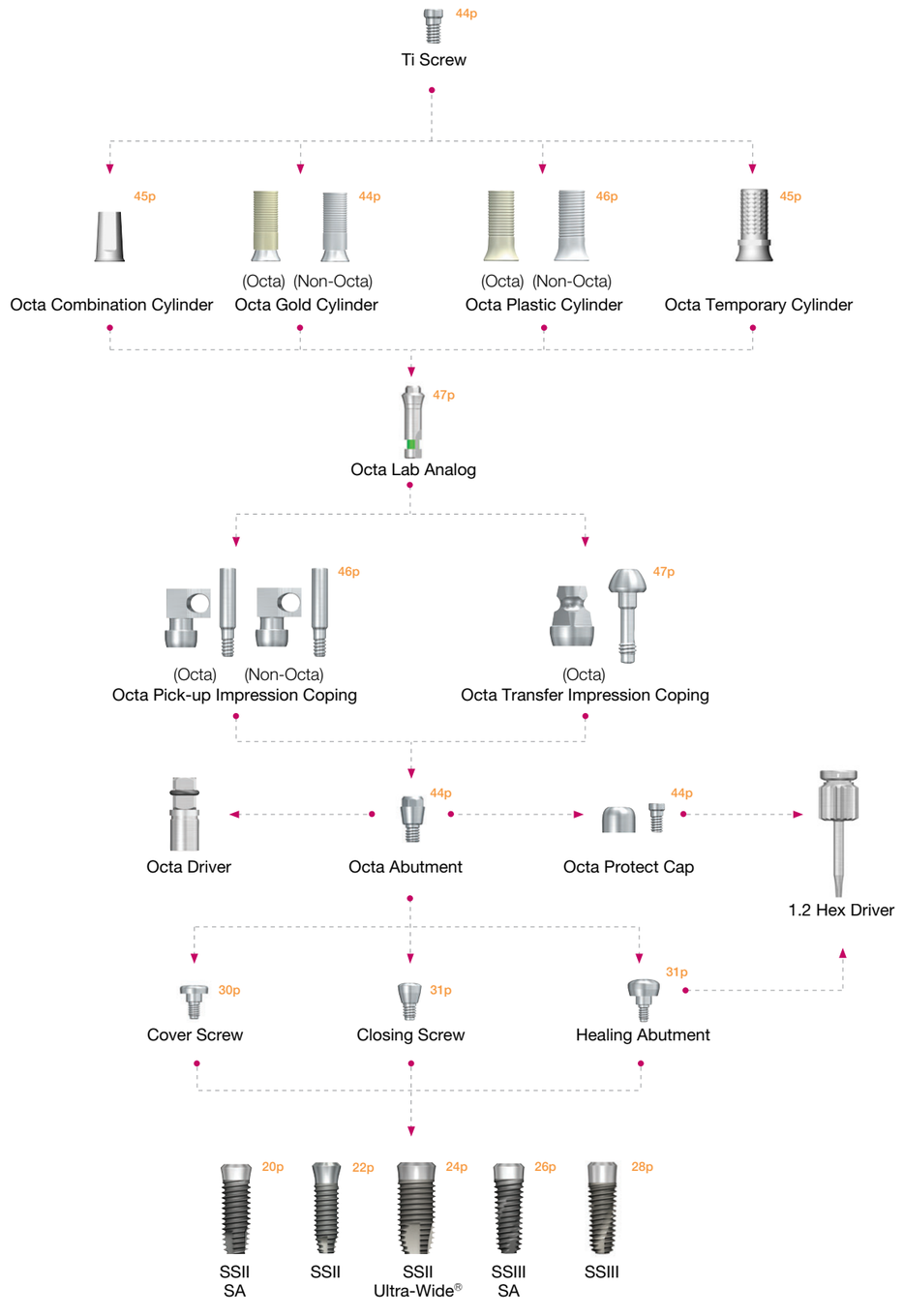
Cement Retained Restoration : ComOcta, ComOcta Plus, ComOcta Angled, ComOcta Gold/NP-CAST Abutment

Screw Retained Restoration : ComOcta Gold/NP-CAST, ComOcta Temporary Abutment • Regular, Wide



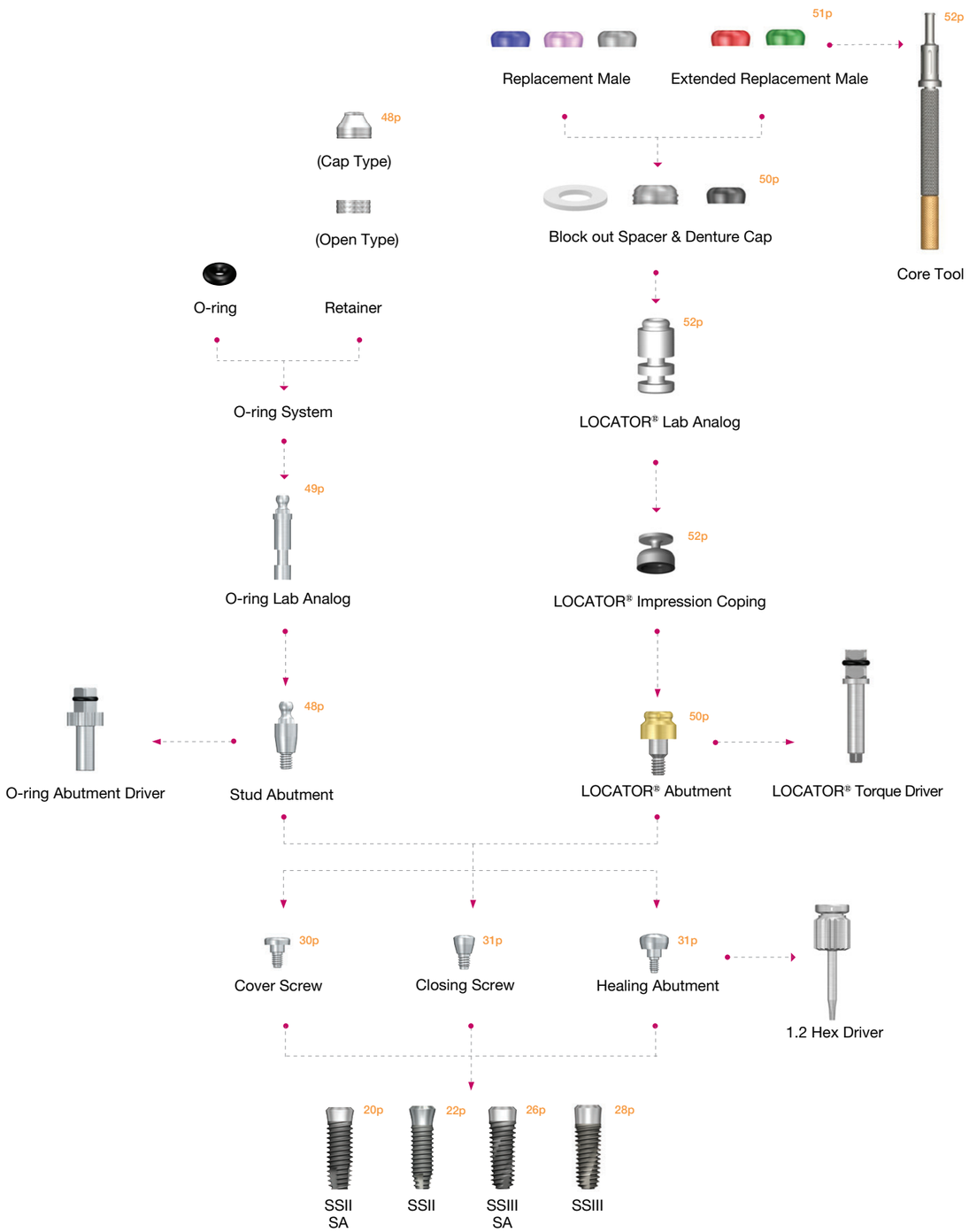
Prosthetic Flow Diagrams for SS System

Screw & Cement Retained Restoration : Octa Abutment • Regular, Wide

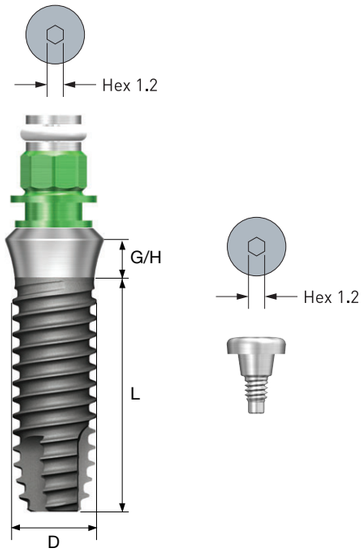


Prosthetic Flow Diagrams for SS System

Overdenture Restoration : O-ring / LOCATOR® Abutment • **Regular**



SSII SA Fixture



Simple Mount System

SSII SA Fixture Order Code

Fixture Only
- Fixture : Product Code (ex : SS2R4011S18)

Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS2R4011S18)

Feature of SSII SA

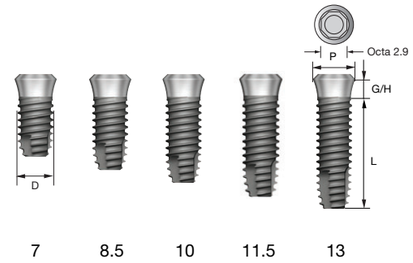
- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
  - Optimized design for SA surface
- Straight body facilitates the adjustment of implantation depth
- Powerful Self threading
- Limited insertion torque : 40Ncm

※ We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.

R W Fixture Platform

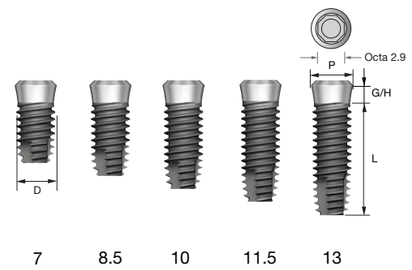
※ The following labeled dimension may differ from the actual dimension.

Regular | Platform ø 4.8 | Diameter ø 4.0



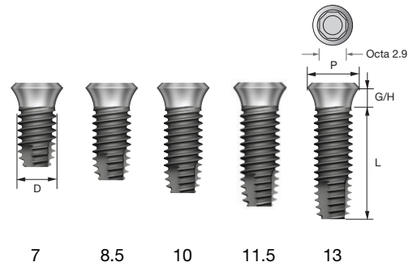
P	ø 4.8	
D	ø 4.0	
L \ G/H	1.8	2.8
7	SS2R4007S18	-
8.5	SS2R4008S18	SS2R4008S28
10	SS2R4010S18	SS2R4010S28
11.5	SS2R4011S18	SS2R4011S28
13	SS2R4013S18	SS2R4013S28

Regular | Platform ø 4.8 | Diameter ø 4.5



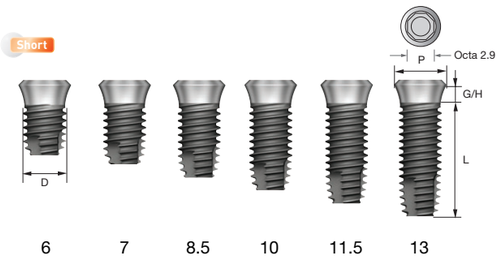
P	ø 4.8	
D	ø 4.5	
L \ G/H	1.8	2.8
7	SS2R4507S18	-
8.5	SS2R4508S18	SS2R4508S28
10	SS2R4510S18	SS2R4510S28
11.5	SS2R4511S18	SS2R4511S28
13	SS2R4513S18	SS2R4513S28

Wide | Platform ø 6.0 | Diameter ø 4.5



P	ø 6.0
D	ø 4.5
L \ G/H	2.0
7	SS2W4507S20
8.5	SS2W4508S20
10	SS2W4510S20
11.5	SS2W4511S20
13	SS2W4513S20

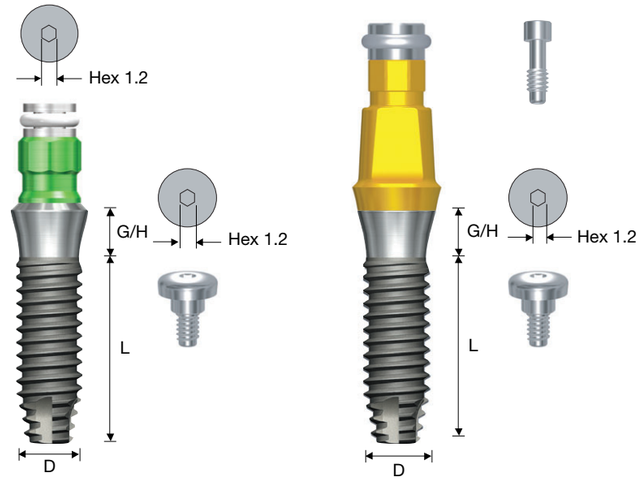
Wide | Platform ø 6.0 | Diameter ø 5.0



P	ø 6.0
D	ø 5.0
L \ G/H	2.0
6 (Short)	SS2W5006S20
7	SS2W5007S20
8.5	SS2W5008S20
10	SS2W5010S20
11.5	SS2W5011S20
13	SS2W5013S20

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

SSII Fixture



Simple Mount System | **Hanaro Abutment System**

Order Made

SSII Fixture Order Code

Fixture Only
- Fixture : Product Code (ex : SS2R1808)

Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS2R1808)

Pre-Mounted Fixture (Hanaro Abutment)
- Fixture + Hanaro Abutment + Cover Screw : H + Fixture Product Code (ex : HSS2R1808)

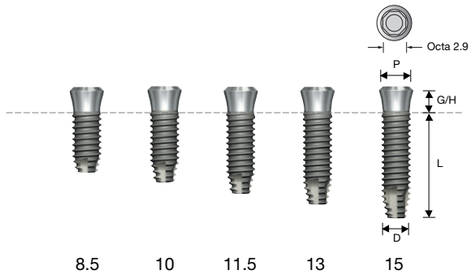
Features of SSII Fixture

- Internal octa non-submerged fixture
- 0.8 [mm] pitched triangular screw offers excellent primary bonding and well-distributed masticatory force
- Connection with the superstructure exists inside the fixtures, causing absolutely zero shaking and preventing bone absorption
- Machined surface G/H (1.8/2.0/2.8) part offers bio-affinity with gingival tissue and facilitates plaque control
- Inclined tip shape enhances early penetration
- 4-bladed cutting edge with excellent self-tapping force
- RBM surface with excellent bio-affinity
- Limited insertion torque: 40 Ncm

* We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

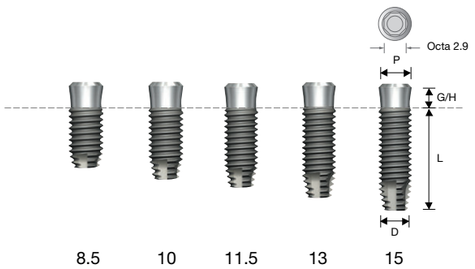
※ The following labeled dimension may differ from the actual dimension.

Regular | Platform ø 4.8 | Diameter ø 4.1



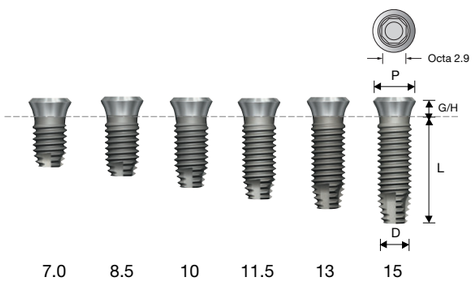
P	ø 4.8	
D	ø 4.1	
L \ G/H	1.8	2.8
7	SS2R1807	-
8.5	SS2R1808	SS2R2808
10	SS2R1810	SS2R2810
11.5	SS2R1811	SS2R2811
13	SS2R1813	SS2R2813
15	SS2R1815	SS2R2815

Regular | Platform ø 4.8 | Diameter ø 4.8



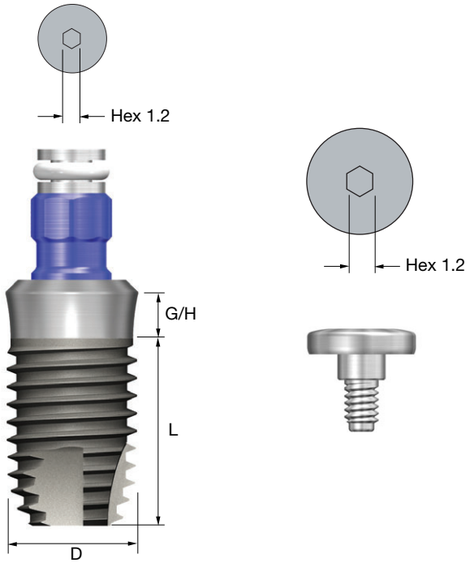
P	ø 4.8	
D	ø 4.8	
L \ G/H	1.8	2.8
7	SS2W1807	-
8.5	SS2W1808	SS2W2808
10	SS2W1810	SS2W2810
11.5	SS2W1811	SS2W2811
13	SS2W1813	SS2W2813
15	SS2W1815	SS2W2815

Wide | Platform ø 6.0 | Diameter ø 4.8



P	ø 6.0
D	ø 4.8
L \ G/H	2.0
7	SS2WP2007
8.5	SS2WP2008
10	SS2WP2010
11.5	SS2WP2011
13	SS2WP2013
15	SS2WP2015

SSII Ultra-Wide® Fixture



Simple Mount System

SSII Ultra-Wide® Fixture Order Code

Fixture Only
- Fixture : Product Code (ex : SS2WB62007A)

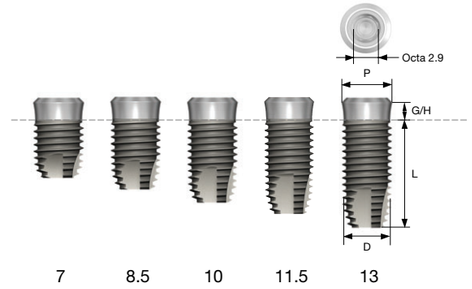
Pre-Mounted Fixture
- Fixture + Simple Mount + Cover Screw : A + Product Code (ex : ASS2WB62007A)

Features of SSII Ultra-Wide Fixture

- Internal octa non-submerged wide diameter fixture
- Compatible with SS wide abutment components
- A fixture that is convenient to use in case of immediate insertion following posterior tooth extract socket and replacement of failed implants
- Connection with the superstructure exists inside the fixtures, causing absolutely zero shaking and preventing bone absorption
- Machined surface G/H(2.0) part offers bio-affinity with gingival tissue and facilitates plaque control
- Optimized apex design that enables gaining stable initial fixation even at 3 mm below the extract socket
- All RBM surfaces with excellent bio-affinity
- Limited insertion torque : 40 Ncm

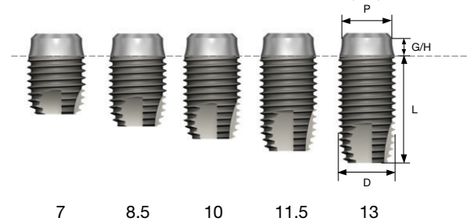
※ The following labeled dimension may differ from the actual dimension.

Wide | Platform ø6.0 | Diameter ø6.0



P	ø6.0
D	ø6.0
L \ G/H	2.0
7	SS2WB62007A
8.5	SS2WB62008A
10	SS2WB62010A
11.5	SS2WB62011A
13	SS2WB62013A

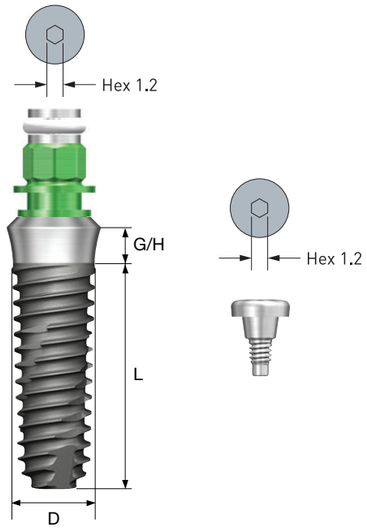
Wide | Platform ø6.0 | Diameter ø7.0



P	ø6.0
D	ø7.0
L \ G/H	2.0
7	SS2WB72007A
8.5	SS2WB72008A
10	SS2WB72010A
11.5	SS2WB72011A
13	SS2WB72013A

SS SYSTEM

SSIII SA Fixture



Simple Mount System

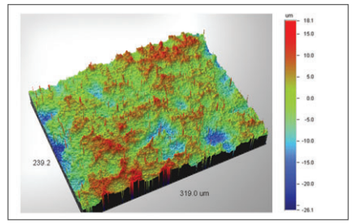
SSIII SA Fixture Order Code

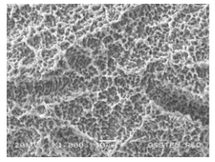
Fixture Only
- Fixture : Product Code (ex : SS3R4011S18)

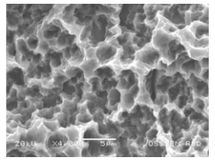
Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS3R4010S18)

Feature of SSIII SA Fixture

- Non-submerged type implant based on a one-stage surgery procedure
- Stable connection structure of internal octa and morse taper method
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : Combination of crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Early loading possible after 6 weeks of placement.
  - Optimized design for SA surface
- Taper body offers High initial stability
- Increase initial stability in soft bone
- Corkscrew thread : Powerful Self threading
- Limited insertion torque : 40Ncm



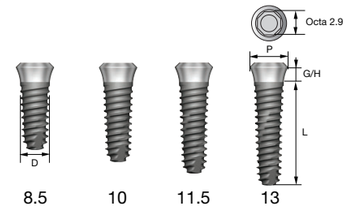




※ We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.

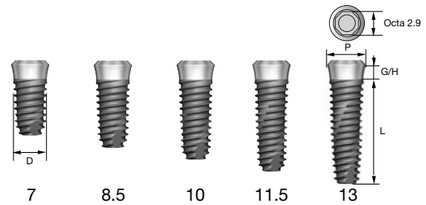
※ The following labeled dimension may differ from the actual dimension.

Regular Platform ø 4.8 Diameter ø 3.5



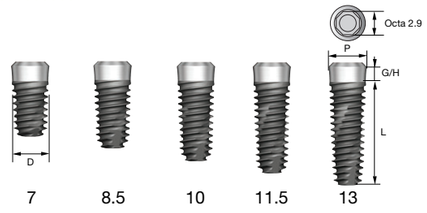
P	ø 4.8	
D	ø 3.5	
L \ G/H	1.8	2.8
7	-	-
8.5	SS3R3508S18	SS3R3508S28
10	SS3R3510S18	SS3R3510S28
11.5	SS3R3511S18	SS3R3511S28
13	SS3R3513S18	SS3R3513S28

Regular Platform ø 4.8 Diameter ø 4.0



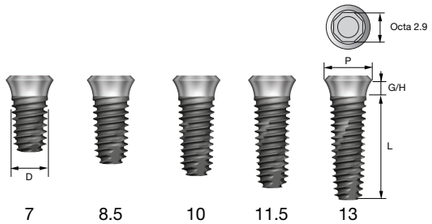
P	ø 4.8	
D	ø 4.0	
L \ G/H	1.8	2.8
7	SS3R4007S18	-
8.5	SS3R4008S18	SS3R4008S28
10	SS3R4010S18	SS3R4010S28
11.5	SS3R4011S18	SS3R4011S28
13	SS3R4013S18	SS3R4013S28

Regular Platform ø 4.8 Diameter ø 4.5



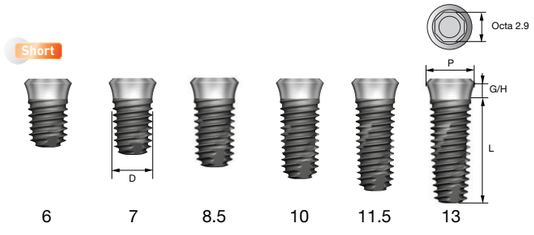
P	ø 4.8	
D	ø 4.5	
L \ G/H	1.8	2.8
7	SS3R4507S18	-
8.5	SS3R4508S18	SS3R4508S28
10	SS3R4510S18	SS3R4510S28
11.5	SS3R4511S18	SS3R4511S28
13	SS3R4513S18	SS3R4513S28

Wide Platform ø 6.0 Diameter ø 4.5



P	ø 6.0
D	ø 4.5
L \ G/H	2.0
7	SS3W4507S20
8.5	SS3W4508S20
10	SS3W4510S20
11.5	SS3W4511S20
13	SS3W4513S20

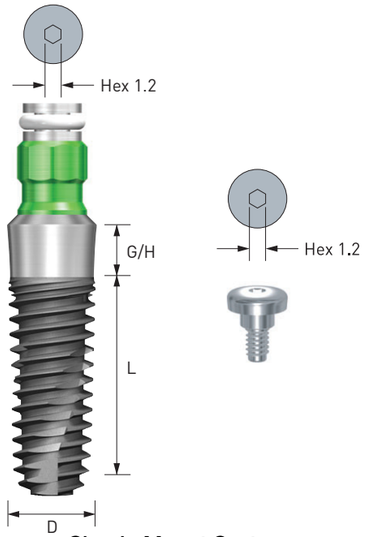
Wide Platform ø 6.0 Diameter ø 5.0



P	ø 6.0
D	ø 5.0
L \ G/H	2.0
6 (Short)	SS3W5006S20
7	SS3W5007S20
8.5	SS3W5008S20
10	SS3W5010S20
11.5	SS3W5011S20
13	SS3W5013S20

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

SSIII Fixture



Simple Mount System

SSIII Fixture Order Code

Fixture Only
- Fixture : Product Code (ex : SS3R4011R18)

Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS3R4011R18)

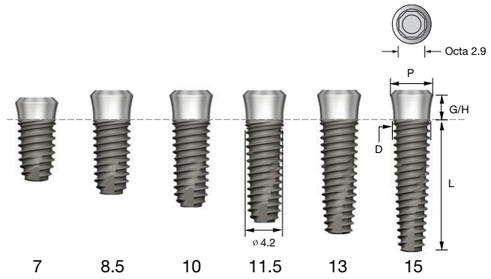
Feature of SSIII Fixture

- Internal octa non-submerged fixture
- Taper body offers excellent primary bonding
- Corkscrew Thread & Cutting Edge
  - Powerful self threading
  - Change path easily
  - Increased insertion torque in soft bone
  - Increased initial stability in soft bone
- RBM surface with excellent bio-affinity
- Limited insertion torque : 40 Ncm
- Able to have primary bonding for immediate loading in soft bone
- In variable oral environment

* We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

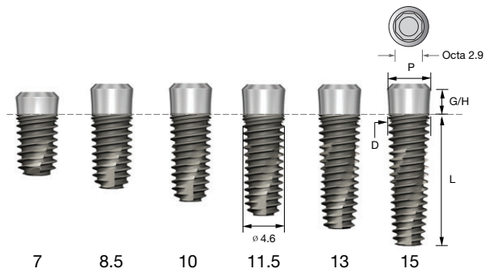
※ The following labeled dimension may differ from the actual dimension.

Regular Platform ø 4.8 Diameter ø 4.0



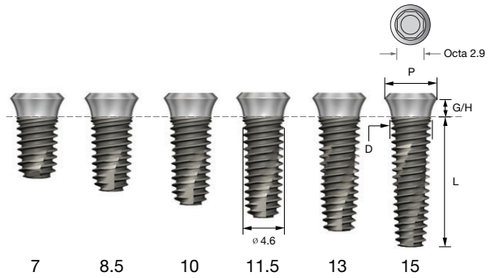
P	ø 4.8	
D	ø 4.0	
L \ G/H	1.8	2.8
7	SS3R4007R18	-
8.5	SS3R4008R18	SS3R4008R28
10	SS3R4010R18	SS3R4010R28
11.5	SS3R4011R18	SS3R4011R28
13	SS3R4013R18	SS3R4013R28
15	SS3R4015R18	SS3R4015R28

Regular Platform ø 4.8 Diameter ø 4.5



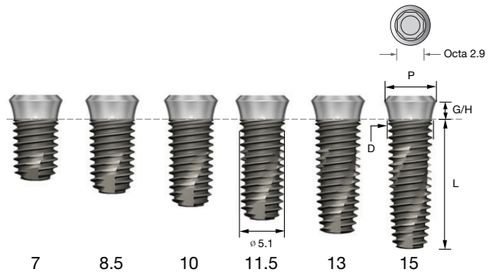
P	ø 4.8	
D	ø 4.5	
L \ G/H	1.8	2.8
7	SS3R4507R18	-
8.5	SS3R4508R18	SS3R4508R28
10	SS3R4510R18	SS3R4510R28
11.5	SS3R4511R18	SS3R4511R28
13	SS3R4513R18	SS3R4513R28
15	SS3R4515R18	SS3R4515R28

Wide Platform ø 6.0 Diameter ø 4.5



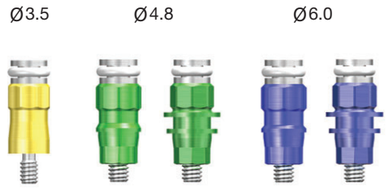
P	ø 6.0
D	ø 4.5
L \ G/H	2.0
7	SS3W4507R20
8.5	SS3W4508R20
10	SS3W4510R20
11.5	SS3W4511R20
13	SS3W4513R20
15	SS3W4515R20

Wide Platform ø 6.0 Diameter ø 5.0



P	ø 6.0
D	ø 5.0
L \ G/H	2.0
7	SS3W5007R20
8.5	SS3W5008R20
10	SS3W5010R20
11.5	SS3W5011R20
13	SS3W5013R20
15	SS3W5015R20

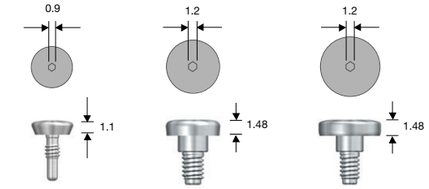
Simple Mount



Platform	ø 3.5	ø 4.8		ø 6.0	
Code	ESFMM	ISFM480	SSSRG	ISFM600	SSSWB

- Color indication facilitates the identification in the oral cavity
- Use a 1.2 hex driver to remove screws
- Packing unit : Mount + Mount Screw
- Tightening torque : 8-10 Ncm

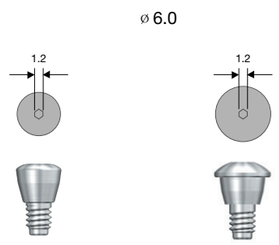
Cover Screw



Platform	ø 3.5	ø 4.8	ø 6.0
Code	SGCM100	SSCS480	SSCS600

- Use 0.9 (mini) and 1.2 (regular and wide) hex drivers
- Packing unit : Cover Screw
- Tightening torque : 5-8 Ncm

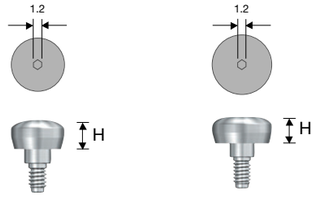
Closing Screw



Platform	ø 4.8	ø 6.0
Code	SSCS480N	SSCS600N

- Use for limited proximal space or suturing with deficient gingiva
- Use a 1.2 hex driver
- Packing unit : Closing Screw
- Tightening torque : 5-8 Ncm

Healing Abutment



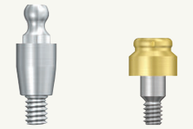
H \ Platform	ø 4.8	ø 6.0
2.0	SSH482	-
3.0	SSH483	SSH603
4.0	SSH484	SSH604
5.0	SSH485	SSH605

- Use a 1.2 hex driver
- Packing unit : Healing Abutment
- Tightening torque : 5-8 Ncm

OSSTEM Implant System

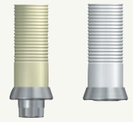
Early & Esthetic OSSTEM IMPLANT

Octa Cylinder



O-ring LOCATOR®

Octa



ComOcta Gold/NP-CAST

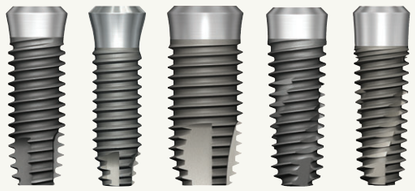
ComOcta

ComOcta Plus

ComOcta Angled

Excellent Solid

Solid



SS System

Components Guide

Solid Abutment Components

Solid Abutment
Cement Retained Restoration

ø 4.8 ø 6.0

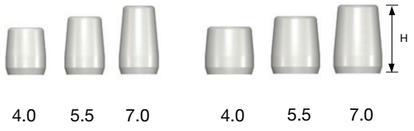
H \ Platform	ø 4.8	ø 6.0
4.0	SSS484	SSS604
5.5	SSS485	SSS605
7.0	SSS487	SSS607

- Use for making general cement-type prosthesis.
- Abutment and screw in one
- 8° Morse taper design with stable connection
- Cross-section design for the prevention of prosthesis rotation
- ø 4.8 : Use a solid abutment driver.
  ø 6.0 : Use a 1.2 hex driver.
- Packing unit : Abutment + Healing cap
- Tightening torque : 30 Ncm

Order code - Abutment + Healing cap : Product code + P (ex : SSS485P)

Solid Protect Cap

ø 4.8 ø 6.0



H \ Platform	ø 4.8	ø 6.0
4.0	SSC484	SSC604
5.5	SSC485	SSC605
7.0	SSC487	SSC607

- Use for the protection of solid abutments in the oral cavity and to minimize the patient's discomfort.
- Applicable as a substructure of temporary prosthesis
- Convenient locking
- Packing unit : Protect Cap

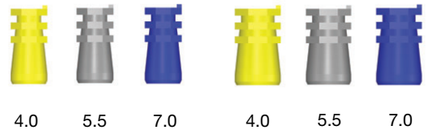
Solid Retraction Cap

H \ Platform	ø 4.8	ø 6.0
4.0	SSSRC484	SSSRC604
5.5	SSSRC485	SSSRC605
7.0	SSSRC487	SSSRC607

- Packing unit : Retraction cap
- Possible to take impression in accuracy for margin

Solid Impression Coping

ø 4.8 ø 6.0

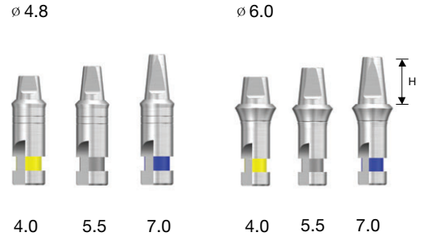


H \ Platform	ø 4.8	ø 6.0
4.0	SSIC484	SSIC604
5.5	SSIC485	SSIC605
7.0	SSIC487	SSIC607

- Solid abutment component for taking an impression
- Color indication enables the easy identification of abutments of varying lengths 4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)
- Packing unit : Impression Coping
- Solid Positioning Cylinder + Solid Impression Cap = Solid Impression Coping

Solid Lab Analog

ø 4.8 ø 6.0

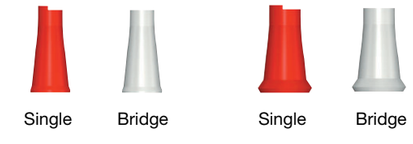


H \ Platform	ø 4.8	ø 6.0
4.0	SSSA484	SSSA604
5.5	SSSA485	SSSA605
7.0	SSSA487	SSSA607

- Make aesthetic oral abutments on the working model
- Small groove for indication of G/H
- Color-coding enables the easy identification of abutments of varying lengths 4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)
- Packing unit : Lab Analog

Solid Plastic Coping

ø 4.8 ø 6.0



Type \ Platform	ø 4.8	ø 6.0
Single	SSSP480S	SSSP600S
Bridge	SSSP480B	SSSP600B

- Use as a framework of prosthesis by connecting to solid lab analogs
- Color indication facilitates the identification of different cases Single (Red color), Bridge (White color)
- After prosthetic casting, the margin may be adjusted by a special-purpose reamer
- Packing unit : Plastic Coping

Solid Impression Cap

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSIP480	SSIP600

- Solid abutment components for taking an impression
- Use by connecting to solid positioning cylinders.
- Convenient locking
- Packing unit : Impression Cap

Solid Shoulder Analog

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSSLA480	SSSLA600

- Impression components used for cutting solid abutment
- Make a fixture platform on the working model
- Packing unit : Shoulder Analog

Solid Shoulder Analog Pin

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSSAP480	SSSAP600

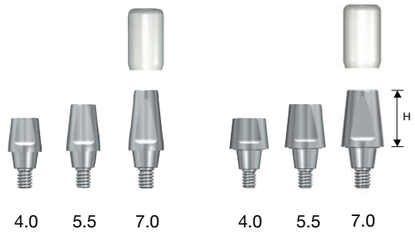
- Impression components used for cutting solid abutments
- Use by connecting to solid shoulder analogs
- Supplementary component for preventing fracture on a working model
- Packing unit : Shoulder Analog Pin

Excellent Solid Abutment Components

Excellent Solid Abutment

Cement Retained Restoration

ø 4.8 ø 6.0



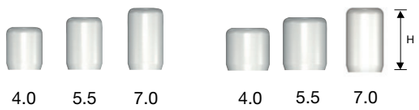
H \ Platform	ø 4.8	ø 6.0
4.0	SSE484	SSE604
5.5	SSE485	SSE605
7.0	SSE487	SSE607

- Advantageous for the modification of abutments into larger volume than solid abutments
- Abutment and screw in one
- 8° Morse taper design with stable connection
- Cross-section design for the prevention of prosthesis rotation
- ø 4.8 : Use an Excellent Solid abutment driver.
  ø 6.0 : Use a 1.2 hex driver.
- Packing unit : Abutment + Protect Cap
- Tightening torque : 30 Ncm

Order code - Abutment + Healing cap: Product code + P (ex : SSE485P)

Excellent Solid Protect Cap

ø 4.8 ø 6.0



H \ Platform	ø 4.8	ø 6.0
4.0	SSEC484	SSEC604
5.5	SSEC485	SSEC605
7.0	SSEC487	SSEC607

- Use for the protection of Excellent Solid abutments in the oral cavity and to minimize the patient's discomfort
- Applicable as a substructure of temporary prosthesis
- Convenient locking
- Packing unit : Protect Cap

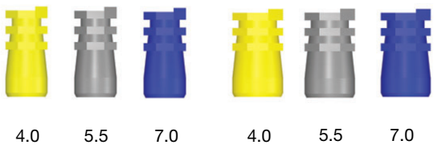
Excellent Solid Retraction Cap

H \ Platform	ø 4.8	ø 6.0
4.0	SSERC484	SSERC604
5.5	SSERC485	SSERC605
7.0	SSERC487	SSERC607

- Packing unit : Retraction cap
- Possible to take impression in accuracy for margin

Excellent Solid Impression Coping

ø 4.8 ø 6.0



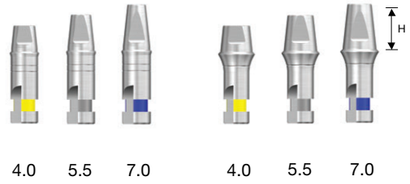
4.0 5.5 7.0 4.0 5.5 7.0

H \ Platform	ø 4.8	ø 6.0
4.0	SSEIC484	SSEIC604
5.5	SSEIC485	SSEIC605
7.0	SSEIC487	SSEIC607

- Excellent Solid abutment component for taking an impression
- Color indication enables the easy identification of abutments of varying lengths
  4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)
- Packing unit : Impression Coping
- Excellent Solid Positioning Cylinder + Excellent Solid Impression Cap = Solid Impression Coping

Excellent Solid Lab Analog

ø 4.8 ø 6.0



4.0 5.5 7.0 4.0 5.5 7.0

H \ Platform	ø 4.8	ø 6.0
4.0	SSEA484	SSEA604
5.5	SSEA485	SSEA605
7.0	SSEA487	SSEA607

- Make aesthetic oral abutments on the working model
- Small groove for indication of G/H
- Color-coding enables the easy identification of abutments of varying lengths
  4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)
- Packing unit : Lab Analog

Excellent Solid Plastic Coping

ø 4.8 ø 6.0

Single Bridge Single Bridge

Type \ Platform	ø 4.8	ø 6.0
Single	SSEP480S	SSEP600S
Bridge	SSEP480B	SSEP600B

- Use as a framework of prosthesis by connecting with Excellent Solid lab analogs
- Color indication facilitates the identification of different cases
  Single (Red color), Bridge (White color)
- After prosthetic casting, the margin is adjusted by a special-purpose reamer
- Packing unit : Plastic Coping

Excellent Solid Impression Cap

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSEIP480	SSEIP600

- Excellent Solid abutment component for taking an impression
- Use by connecting to Excellent Solid positioning cylinders
- Convenient locking
- Packing unit : Impression Cap

Excellent Solid Shoulder Analog

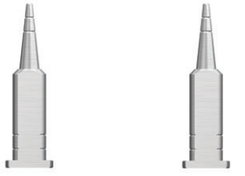
ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSELA480	SSELA600

- Impression components used for cutting Excellent Solid abutments
- Make a fixture platform on a working model
- Packing unit : Shoulder Analog

Excellent Solid Shoulder Analog Pin

ø 4.8 ø 6.0



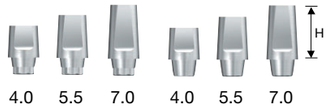
Platform	ø 4.8	ø 6.0
Code	SSEAP480	SSEAP600

- Impression components used for cutting Excellent Solid abutments
- Use by connecting to Excellent Solid shoulder analogs
- Supplementary components for preventing fracture on a working model
- Packing unit : Shoulder Analog Pin

ComOcta Abutment
Cement Retained Restoration

ø 4.8

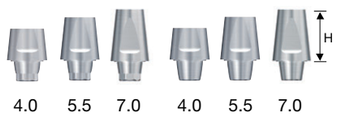
(Octa) (Non-Octa)



Platform		ø 4.8	
H \ Type		Octa	Non-Octa
4.0		SSCA484	SSCA484N
5.5		SSCA485	SSCA485N
7.0		SSCA487	SSCA487N
Screw	Ti	ASR200*	
	EbonyGold	ASR200W	

ø 6.0

(Octa) (Non-Octa)



Platform		ø 6.0	
H \ Type		Octa	Non-Octa
4.0		SSCA604	SSCA604N
5.5		SSCA605	SSCA605N
7.0		SSCA607	SSCA607N
Screw	Ti	ASR200*	
	EbonyGold	ASR200W	

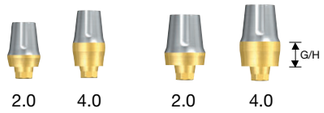
- Use for making general cement-type prosthesis
- Cross-section design for the prevention of prosthesis rotation
- 8˚Morse taper design with stable connection
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30 Ncm

Order code - Abutment + Ti screw: Product code + TH (ex : SSCA485TH)

※ EbonyGold Screw : Can be purchased separately

ComOcta Plus Abutment
Cement Retained Restoration

ø 4.8 ø 6.0



G/H \ Platform		ø 4.8	ø 6.0
2.0		SSCAP4826C	SSCAP6026C
4.0		SSCAP4846C	SSCAP6046C
Screw	Ti	ASR200*	
	EbonyGold	ASR200W	

- Use for thick gingiva and in case of deeply grafted fixtures
- Gingival gold color for aesthetic effect
- Shoulder contact with the fixture platform
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : SSCAP4826CTH)

※ EbonyGold Screw : Can be purchased separately

Hanaro Abutment
Cement Retained Restoration

ø 4.8 ø 6.0

Order Made

Platform		ø 4.8	ø 6.0
Code		SSHM480C	SSHM600C
Screw	Ti	SSHAS	

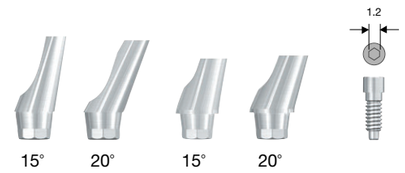
- Packing unit : Abutment + Ti Screw + Mount Screw

- 3 functions : fixture mount, transfer impression coping, abutment
- For use as an abutment, be sure to use only special-purpose screw
- Shoulder contact with the fixture platform
- Gold color for aesthetic effect
- Use a 1.2 hex driver
- Tightening torque : 30 Ncm

Order code - Abutment + Ti Screw + Mount Screw : Product code + TH
(ex : SSHM480CTH)

ComOcta Angled Abutment
Cement Retained Restoration

ø 4.8 ø 6.0



Angle \ Platform		ø 4.8	ø 6.0
15˚		SSA4815	SSA6015
20˚		SSA4820	SSA6020
Screw	Ti	ASS200*	
	EbonyGold	ASS200W	

- Use for the path adjustment of prosthesis.
- 8˚Morse taper design with stable connection
- Since screw loosening occurs somewhat frequently, EbonyGold screw is recommended
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti Screw
- Tightening torque: 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : SSA4815TH)

※ EbonyGold Screw : Can be purchased separately

ComOcta Gold Abutment
Screw or Cement Retained Restoration

ø 4.8

ø 6.0

Type \ Platform		ø 4.8	ø 6.0
Octa		COG480S	COG600S
Non-Octa		COG480B	COG600B
Screw	Ti	ASR200*	
	EbonyGold	ASR200W	

- Use for cases with path and aesthetic and spatial constraints
- Shoulder contact with the fixture platfrom
- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of abutments (Au, Pt, Pd Alloy) : 1400 - 1450C (use of non-precious metal alloy for casting prohibited)
- Use non-Octa type for an excessively dislocated path
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti Screw
- Tightening torque : 30 Ncm

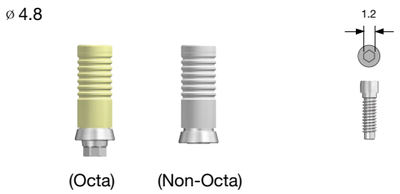
Order code - Abutment + Ti screw : Product code + TH (ex : COG480STH)

※ EbonyGold Screw : Can be purchased separately

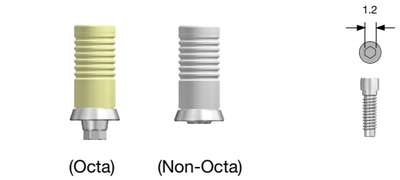
ComOcta NP-CAST Abutment

Screw or Cement Retained Restoration

ø 4.8



ø 6.0



Type \ Platform	ø 4.8	ø 6.0
Octa	CON480S	CON600S
Non-Octa	CON480B	CON600B
Screw: Ti	ASR200	

- Packing unit : Abutment + Ti Screw

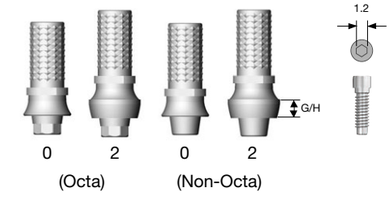
- Use for cases with path and aesthetic and spatial constraints
- Shoulder contact with the fixture platfrom
- After customization, be sure to use only dental non-precious metal alloy for casting to make the prosthesis
- Use non-Octa type for an excessively dislocated path
- Use a 1.2 hex driver
- Tightening torque : 30 Ncm

Order code - Abutment + Ti Screw : Product Code + **TH** (ex : CON480S**TH**)

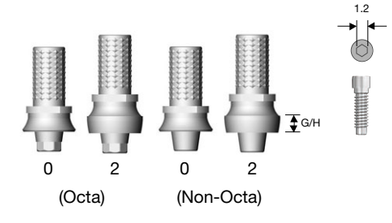
ComOcta Temporary Abutment

Screw Retained Restoration

ø 4.8



ø 6.0



G/H \ Type	Platform ø 4.8 Octa	Non-Octa
0	SSTAO480	SSTAN480
2	SSTAO482	SSTAN482
Ti Screw	ASR200	

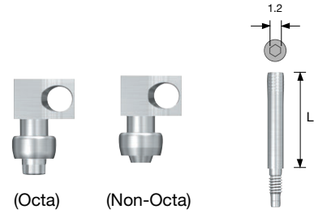
G/H \ Type	Platform ø 6.0 Octa	Non-Octa
0	SSTAO600	SSTAN600
2	SSTAO602	SSTAN602
Ti Screw	ASR200	

- Use to make a temporary prosthetics.
- Easy to customize & Minimize limitation for indicant
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti Screw
- Tightening torque : 20 Ncm

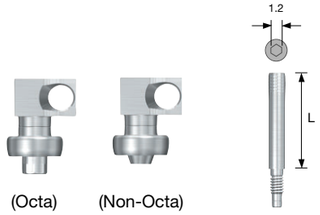
Order code - Abutment + Ti Screw : Product Code + **TH** (ex : SSTAO480**TH**)

Fixture pick-up Impression Coping

ø 4.8



ø 6.0

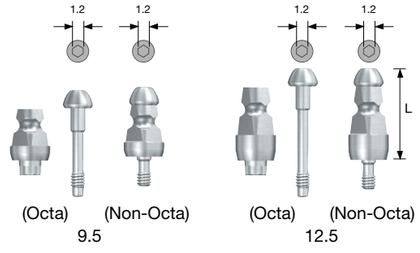


Platform		ø 4.8	ø 6.0
Octa		SSICA480	SSICA600
Non-Octa		SSICA480N	SSICA600N
Guide Pin (L)	10	CSR100	
	15	CSR150*	
	17	CSR170	

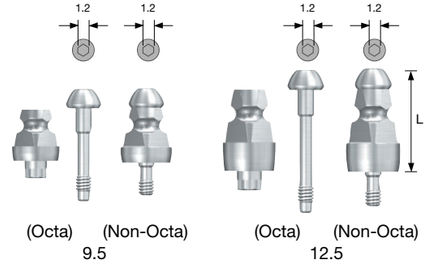
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (⬭)
- Packing unit : Impression Coping Body + Guide Pin

Fixture Transfer Impression Coping

ø 4.8



ø 6.0



L	Type \ Platform	ø 4.8	ø 6.0
9.5	Octa	SSCTIS480	SSCTIS600
	Non-Octa	SSCTIS480N	SSCTIS600N
12.5	Octa	SSCTIL480	SSCTIL600
	Non-Octa	SSCTIL480N	SSCTIL600N

- Transfer type for taking an impression using a ready-made tray
- Triangular arc (▽) design improves markability following impression
- Long and short types enhance convenience
- The hex type is designed as a two-piece, and the non-hex type, as a one-piece
- Packing unit : Impression Coping Body + Guide Pin (Octa)
  Impression Coping (Non-Octa)

Fixture Lab Analog

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSFA480	SSFA600

- Oral fixtures are built on the working model
- Small Groove for indication of G/H
- Color-coding enables the easy identification of platform size of varying lengths ø 4.8(Green), ø 6.0(Blue)
- Packing unit : Lab Analog

Octa Abutment Components

Octa Abutment
Screw Retained Restoration

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSOA480	SSOA600

- Use for a path-dislocated bridge to make screw-retained prosthesis
- Designed to make the prosthesis onto a cylinder following abutment connection in the oral cavity
- Use an Octa abutment driver
- Packing unit : Abutment
- Tightening torque : 30 Ncm

Octa Protect Cap

ø 4.8 ø 6.0

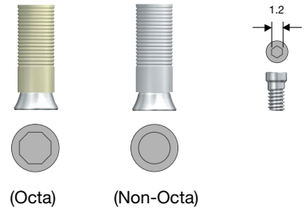
Platform	ø 4.8	ø 6.0
Code	SSHC480	SSHC600
Ti Screw	SSFS	

- Use for the protection of Octa abutments in the oral cavity and to minimize the patient's discomfort
- Use a 1.2 hex driver
- Packing unit : Protect Cap + Ti Screw
- Tightening torque : 20Ncm

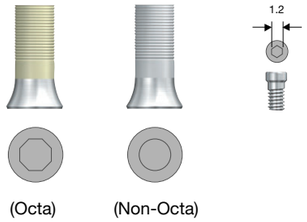
Order code - Protective Cap + Ti Screw : Product code + TH
(ex : SSHC480TH)

Octa Gold Cylinder

ø 4.8



ø 6.0



Type \ Platform		ø 4.8	ø 6.0
Octa		SSGCO480	SSGCO600
Non-Octa		SSGCN480	SSGCN600
Screw	Ti	SSFS*	
	EbonyGold	SSFSW	

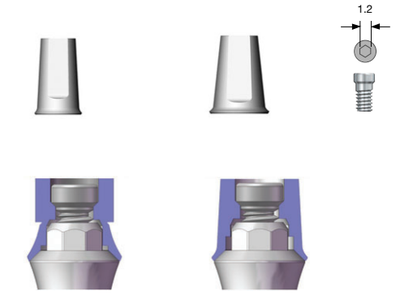
- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of cylinder (Au, Pt, Pd Alloy) : 1400 -1450° C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti Screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product code + TH (ex : SSGCO480TH)

※ EbonyGold Screw : Can be purchased separately

Octa Combination Cylinder

ø 4.8 ø 6.0



Platform		ø 4.8	ø 6.0
Code		SSOCC480	SSOCC600
Screw	Ti	SSFS*	
	EbonyGold	SSFSW	

- Make a combination retained prosthetics to use octa abutment
- The connection to have two advantage octa and Non-octa (Max. path compensation 60°)
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti Screw : Product Code + TH (ex : SSOCC480TH)

※ EbonyGold Screw : Can be purchased separately

Octa Temporary Cylinder

ø 4.8

ø 6.0

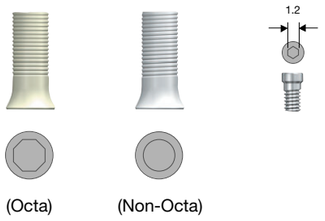
G/H \ Platform	ø 4.8	ø 6.0
0	SSTCO480	SSTCO600
2	SSTCO482	SSTCO602
Ti Screw	SSFS	

- Use to make a temporary prosthetics.
- Easy to customize & Minimize limitation for indicant
- The connection to have two advantage octa and Non-octa (Max. path compensation 60°)
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 20 Ncm

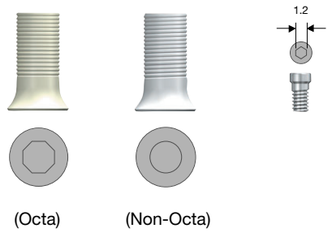
Order code - Cylinder + Ti Screw : Product Code + TH (ex : SSTCO480TH)

Octa Plastic Cylinder

ø 4.8



ø 6.0



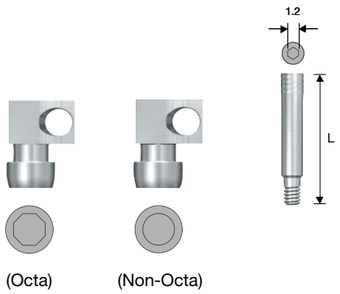
Platform	ø 4.8	ø 6.0
Octa	SSPSO480	SSPSO600
Non-Octa	SSPSN480	SSPSN600
Ti Screw	SSFS	

- After customization, casting should be performed with dental alloy (gold, non-precious metal) to make the prosthesis
- The precision of the connection part is lower compared to gold cylinders
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti Screw
- Tightening torque : 20 Ncm

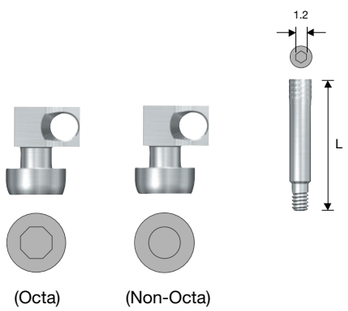
Order code - Cylinder + Ti screw : Product code + TH (ex : SSPSO480TH)

Octa Pick-up Impression Coping

ø 4.8



ø 6.0

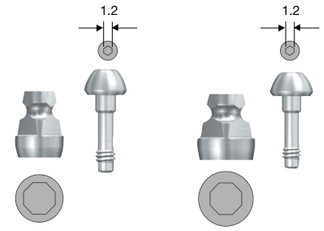


Platform		ø 4.8	ø 6.0
Octa		SSICO480	SSICO600
Non-Octa		SSICN480	SSICN600
Guide Pin (L)	10	SSGS100	
	15	SSGS150*	

- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Holinone ; no need for resin fixation
- Asymmetrical structure minimizing contact interference ( )
- Packing unit : Impression Coping Body + Guide Pin

Octa Transfer Impression Coping

ø 4.8 ø 6.0



Platform	ø 4.8	ø 6.0
Code	SSOTI480	SSOTI600

- Transfer type for taking an impression using a ready-made tray
- Packing unit : Impression Coping Body + Guide Pin

Octa Lab Analog

ø 4.8 ø 6.0

Platform	ø 4.8	ø 6.0
Code	SSLA480	SSLA600

- Make aesthetic oral abutments on the working model
- Small groove for indication of G/H
- Color-coding enables the easy identification of abutments of varying lengths ø 4.8(Green), ø 6.0(Blue)
- Packing unit : Lab Analog

SS SYSTEM

O-ring System

O-ring Abutment
Overdenture Restoration

	Platform
G / H	ø 4.8
0	SSRA000
2	SSRA200
4	SSRA400

- Packing unit : Only Abutment

O-ring Retainer Cap Set

Code	RCS01

- Packing unit : Retainer cap + O-ring

O-ring Retainer Set

Code	RS01

- More advantageous for smaller occlusal gap compared to a retainer cap
- Packing unit : Retainer + O-ring

O-ring Set (for Laboratory)

Code	OAON01S

- Packing unit : O-ring 5 piece

O-ring Lab Analog

Code	OAL

- Making oral O-ring abutments on the working model
- Packing unit : Lab Analog

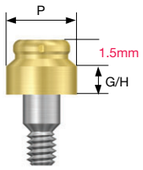
LOCATOR® Components

HS LOCATOR® Abutment

Overdenture Restoration

Regular

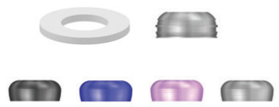
P : ø 4.8



	Platform
G / H	ø 4.8
0.7	HSLCA4810R
2	HSLCA4820R
3	HSLCA4830R
4	HSLCA4840R

- Packing Unit : Locator Abutment
- Stable dual retention & optimal holding capabilities against various retention forces (6N, 12N, 22N)
- Excellent durability
- Possible denture restorations even at small vertical dimension
- Accommodate up to 40° divergence between two implants
- Retention males can be easily placed & removed with core tool
- Tightening torque : 30Ncm
- Can be used in SS system & HS system

LOCATOR® Male Processing Kit



Code	LMPS

- Packing Unit : Locator Male Processing Kit (2 Set)
- Consist of
  -Block out Spacer/Denture Cap connected Black Processing Male
  -Replacement Male Blue/Pink/Clear
- Male Change by Locator Core Tool

LOCATOR® Replacement Male

Code	LRM06S

- Packing Unit : Blue Replacement Male (4ea)
- retention Force : about 6N
- 0°~20° divergence (between two implants)

Code	LRM12S

- Packing Unit : Pink Replacement Male (4ea)
- retention Force : about 12N
- 0°~20° divergence (between two implants)

Code	LRM22S

- Packing Unit : clear Replacement Male (4ea)
- retention Force : about 22N
- 0°~20° divergence (between two implants)

LOCATOR® Extended Replacement Male

Code	LEM06S

- Packing Unit : Red Extended Replacement Male (4ea)
- retention Force : about 6N
- 20°~40° divergence (between two implants)

Code	LEM12S

- Packing Unit : Green Extended Replacement Male (4ea)
- retention Force : about 12N
- 20°~40° divergence (between two implants)

LOCATOR® Black Processing Male

Code	LBPS

- Packing Unit : black processing Male (4ea)
- for lab. process

LOCATOR® Block out spacers

Code	LBSS

- Packing Unit : Locator Block out spacers (20ea)
- For Space Sealing between Locator Abutment & Denture Cap

LOCATOR® Impression Coping

Code	LICS

- Packing Unit : Locator Impression Coping (4ea)
- For Abutment level impression

LOCATOR® lab Analog

Code	LAL40S
	LAL50S

- Packing Unit : Locator lab Analog (4ea)

LOCATOR® Core Tool

Code	LCCT

- Packing Unit : Locator Core Tool
- foe handling of locator system

LOCATOR® Torque Driver

Type	Short	Long
Code	TWLDS	TWLDL

- Packing Unit : Locator Torque Driver
- For tightening of Locator Abutment
- Select the Short / Long length

OSSTEM IMPLANT

US Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

US Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

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67 LOCATOR® Impression Coping 	67 LOCATOR® Lab Analog 	67 LOCATOR® Core Tool	67 LOCATOR® Torque Driver 	

OSSTEM HISTORY

2012
- Nov Hosts ‘OSSTEM ATC Forum 2012 Seoul’
- Jul Registers and obtains approval from FDA in Mexico
  Established OSSTEM Dental Equipment Research Institute
- Jun Develops and begins commercial production of TSIII CA
  Develops and begins commercial production of ESSET Kit for Ridge Split
- May Develops and begins commercial production of MS SA
- Apr Hosts ‘OSSTEM World Meeting 2012 Taipei’
  Develops and begins commercial production of TSIII BA
  Registers and obtains approval from Ministry of Health in Indonesia
  Develops and begins commercial production of USIII SA
- Mar Develops and begins commercial production of USIII SA
  Develops and begins commercial production of SSIII HA
  Registers and obtains approval from Ministry of Health and Welfare in Kazakhstan

2011
- Dec Introduces and commences commercial production of K2 Unit & Chair
- Nov Develops and begins commercial production of Smart Membrane
- Oct Registers and obtains approval from Health Canada
  Develops and begins commercial production of USII SA and 123 Kit
- Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
  Develops and begins commercial production of SSIII SA
  Registers and obtains approval from the Ministry of Health and Society in Vietnam
- Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
- Jul Develops and begins commercial production of CustomFit Abutment
  Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
- Jun Develops and begins commercial production of TSII SA
  Hosts ‘OSSTEM World Meeting 2011 in Seoul’
- Apr Develops and begins commercial production of LAS Kit
  Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
- Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
- Feb Develops and begins commercial production of TSIV SA

2010
- Nov Develops and begins commercial productions of SSII SA
- Aug Develops and begins commercial productions of TSIII Ultra-wide
- Jun Develops and begins commercial productions of TSIII HA and CAS Kit
  Opens ‘OSSTEM World Meeting 2010 in Beijing’
- Apr Develops and begins commercial productions of Osstem Guide
- Mar Develops and begins commercial productions of TSIII SA

2009
- Oct Registers and obtains approval from Health, Labor and Welfare in Japan
- May Hosts ‘OSSTEM World Meeting 2009 in Bangkok’
- Jan Certifies PEP7 (the world’s first new Osseo-inductive compound)

2008
- Nov Develops and begins commercial productions of SS Ultra-wide
- Jun Develops and begins commercial productions of GSIII
- Apr Holds ‘OSSTEM World Meeting 2008 in Seou’

2008
- Mar Opens ATC Training Center
- Jan Establishes OSSTEM Bone Science Institute

2007
- Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
- Jun Registers and obtains approval from the TGA in Australia
- May Develops and begins commercial production of US Ultra-wide
- Apr Hosts ‘OSSTEM World Meeting 2007 in Seoul’
  Begins commercial production of V-ceph
- Mar Develops and begins commercial production of MS
  Lists on KOSDAQ (KRX: Korea Exchange)

2006
- Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
  Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
- Nov Registers and obtains approval from the SFDA in China
- Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
- Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
- Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
- Apr Registers and obtains the GOST-R certification in Russia
  Opens ‘OSSTEM World Meeting 2006 in Seoul’
  Publishes the 「2006 OSSTEM IMPLANT SYSTEM」- Introduction and particulars of implant system
- Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005
- Dec Registers and obtains approval by the DOH in Taiwan
  Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
- May Develops and begins commercial production of GSII
- Apr Hosts ‘OSSTEM World Meeting 2005 in Seoul’
- Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
- Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004
- Nov Develops and begins commercial production of SSIII
- Jul Develops and begins commercial production of USIII
- Apr Opens ‘OSSTEM World Meeting 2004 in Seou’

2002
- Oct Develops and begins commercial production of SSII
- Aug Registers and obtains approval by the FDA in the USA
  Develops and begins commercial production of USII
- Jan Establishes OSSTEM Implant R&D Center

2001
- Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
- Jan Obtains CE-0434 certification

1999
- Dec Obtains ISO-9001 certification

1997
- Dec Begins commercial production under the brand name of OSSTEM
- Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

1995
- Develops dental implants and acquires industrial license

1992
- Initiates the development of dental implant system

CHARACTERISTIC of OSSTEM IMPLANT SYSTEM

■US System- Clinic

No.	Title	Reference	Author
1	Retrospective Study of Bone Resorption after Maxillary Sinus Bone Graft	J Kor Dent Sci. 2011;4(2):59-66	Hee-Kyun Oh et al.
2	Success Rate and Marginal Bone Loss of Osstem USII plus Implants; Short term Clinical Study	J Korean Acad Prosthodont 2011;49(3):206-13	Keun-Woo Lee et al.
3	The Study of Bone Density Assessment on Dental Implant Sites	J Korean Assoc Oral Maxillofac Surg 2010;36(5):417-22	Yeong-Cheol Cho et al.
4	Analysis of Prognostic Factors after a Variety of Osstem® Implant Installation	J Korean Implantology(KAOMI) 2011;15(2):170-9	Young-Kyun Kim et al.
5	Short-term, Multi-center Prospective Clinical Study of Short Implants Measuring Less than 7mm	J Kor Dent Sci 2010;3(1):11-6	Young-Kyun Kim et al.
6	Evaluation of Sinus Bone Resorption and Marginal Bone Loss after Sinus Bone Grafting and Implant Placement	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:e21-8	Young-Kyun Kim et al.
7	Evaluation of Periimplant Tissue Response according to the Presence of Keratinized Mucosa	Oral Surg Oral Med Oral Pathol OralRadiol Endod 2009;107:e24-8	Young-Kyun Kim et al.
8	Correlation Between Bone Quality Evaluated by Cone-Beam Computerized Tomography and Implant Primary Stability	Int J Oral Maxillofac Implants 2009;24(1):59-64	Jong-Jin Kwon et al.
9	Clinical and Radiographic Evaluation of Implants with Dualmicrothread:1-year Study	J Korean Acad Periodontol 2009;39(1):27-36	Ju-Youn Lee et al.
10	Bone Density and Histomorphometry Assessment of Dental Implant Using Computerized Tomography	J Korean Assoc Maxillofac Plast Reconstr Surg 2009;31(2):137-46	Yeong-Cheol Cho et al.
11	Implant Replacement Utilizing Zirconia Abutment in Esthetic Zone	J Korean Implantology(KAOMI) 2009;13(2):16-24	Sok-Min Ko et al.
12	A Retrospective Study on the Clinical Success Rate of Osstem Implant	Key Engineering Materials 2008;361-363:1331-4	Su-Kwan Kim et al.
13	Multicenter Retrospective Study of Immediate Two Different RBM Surfaced Implant Systems after Extraction	J Korean Assoc MaxillofacPlast Reconstr Surg 2008;30(3):258-65	Hee-Kyun Oh et al.
14	A Retrospective Multicenter Clinical Study of Installed US II / SS II Implants after Maxillary Sinus Floor Elevation	J Kor Oral Maxillofac Surg 2008;34:341-9	Hee-Kyun Oh et al.
15	Clinical Retrospective Study of Sinus Bone Graft and Implant Placement	J Korean Assoc Maxillofac Plast ReconstrSurg 2008;30(3):294-302	Young-Kyun Kim et al.
16	A Retrospective Evaluation of Implant Installation with Maxillary Sinus Augmentation by Lateral Window Technique	J Korean Assoc Maxillofac Plast Reconstr Surg 2008;30(5):457-64	Hee-Kyun Oh et al.
17	Short term Retrospective Clinical Study on GS II, SS III, US III	J Korean Implantology(KAOMI) 2008;12(2):12-22	Young-Kyun Kim et al.
18	Multicenter Retrospective Clinical Study of Osstem US II ImplantSystem in Type IV Bone	J Korean Implantology(KAOMI) 2007;11(3):22-9	Su-Kwan Kim et al.
19	Multicenter Retrospective Clinical Study of Osstem US II ImplantSystem in Complete Edentulous Patients	J Korean Implantology(KAOMI) 2007;11(3):12-21	Su-Kwan Kim et al.
20	Retrospective Multicenter Cohort Study of the Clinical Performance of 2-stage Implants in South Korean Populations	Int J Oral & Maxillofac Implants 2006;21(5):785-8	Seok-Min Ko et al.
21	Analysis of Clinical Application of Osstem (Korea) Implant System for 6 Years	J Korean Implantology(KAOMI) 2006;10(1):56-65	Young-Kyun Kim et al.
23	Multicentric Prospective Clinical Study of Korean Implant System: Early Stability Measured by Periotest	J Korean Dent Assoc 2004;42(12):873-81	Young-Kyun Kim et al.

■US System- Biology

No.	Title	Reference	Author
1	The Effect of Platelet Rich Plasma in Bone Formation on Implant Installation in the Tibia of Beagle Dogs.	J Korean Assoc Oral Maxillofac Surg 2010;36:71-7.	Hee-Kyun Oh et al.
2	A Comparative Study of Two Noninvasive Techniques to Evaluate Implant Stability: Periotest and Osstell Mentor	Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009;107:513-8	Su-Gwan Kim et al.
3	Effects of Different Depths of Gap on Healing of Surgically Created Coronal Defects around Implants in Dogs: A Pilot Study	J Periodontol 2008;79(2):355-61	June-Sung Shim et al.
4	Histologic and Histomorphometric Evaluation of Early and Immediately Loaded Implants in the Dog Mandible	J Biomed Mater Res 2008;86A:1122-7	Su-Gwan Kim et al.
5	The Effect of Surface Treatment of the Cervical Area of Implant on Bone Regeneration in Mini-pig	J Kor Oral Maxillofac Surg 2008;34:285-92	Hong-Ju Park et al.
6	Comparative Study of Removal Effect on Artificial Plaque from RBM Treated Implant	J Korean Assoc Maxillofac Plast Reconstr Surg 2007;29(4):309-20	Hee-Jyun Oh et al.
7	Comparative Study of Osseointegration of 4 Different Surfaced Implants in the Tibia of Dogs	J Kor Oral Maxillofac Surg 2005;31:46-54	Hee-Jyun Oh et al.
8	Effect of Implant Surface Characteristics on Osseointegration in the Ilium of Dogs	J Korean Assoc Maxillofac Plast Reconstr Surg 2004;36(6):531-41	Hee-Jyun Oh et al.

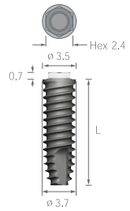
■US System- Biomechanics

No.	Title	Reference	Author
1	Quantitative biomechanical analysis of the influence of the cortical bone and implant length on primary stability	Clin. Oral Impl. Res. 2011;00; 1-5	Young-Jun Lim et al.
2	Variation in the Total Lengths of Abutment/Implant Assemblies Generated with a Function of Applied Tightening Torque in External and Internal Implant-Abutment Connection.	J Kor Acad Prosthodont 2009;47(4):424-34	Ki-Seong Kim et al.
3	Heat Transfer to the Implant-Bone Interface during preparation of Zirconia/Alumina Complex Abutment	Int J Oral Maxillofac Implants 2009;24(4):679-83	Yong-Geun Choi et al.
4	Fatigue Fracture of Different Dental Implant System under Cyclic Loading	J Kor Acad Prosthodont 2009;47(4):424-34	In-ho Cho et al.
5	Effect of Tightening Torque on Abutment-Fixture Joint Stability using 3-Dimensional Finite Element Analysis	J Kor Acad Prosthodont 2009;47(2):125-35	Chang-Mo Jeong et al.
6	Screw Joint Stability under Cyclic Loading of Zirconia Implant Abutments	J Kor Acad Prosthodont 2009;47(2):164-73	Jae-Jun Ryu et al.
7	Influence of Tightening Torque on Implant-Abutment Screw Joint Stability	J Kor Acad Prosthodont 2008;46(4):396-408	Chang-Mo Jeong et al.
8	Influence of Tungsten Carbide/Carbon Coating of Implant-Abutment Screw on Screw Loosening	J Kor Acad Prosthodont 2008;46(2):137-47	Chang-Mo Jeong et al.
9	The Assessment of Abutment Screw Stability Between the External and Internal Hexagonal Joint under Cyclic Loading	J Kor Acad Prosthodont 2008;46(6):561-8	Jung-Suk Han et al.
10	Influence of Implant Fixture Design on Implant Primary Stability	J Kor Acad Prosthodont 2006;45(1):98-106	Seok-Gyu Kim et al.
11	An Influence of Abutment Materials on a Screw-Loosening after Cyclic Loading	J Kor Acad Prosthodont 2007;45(2):240-249	Jung-Suk Han et al.
12	Influence of Tungsten Carbide/Carbon on the Preload of Implant Abutment Screws	J Kor Acad Prosthodont 2006;44(2):229-42	Chang-Mo Jeong et al.
13	The Effect of Internal Implant-Abutment Connection and Diameter on Screw Loosening	J Kor Acad Prosthodont 2005;43(3):379-92	Kyung-Soo Jang et al.
14	Wave Analysis of Implant Screw Loosening using an Air Cylindrical Cyclic Loading Device	J Prosthet Dent 2002;88:402-8	Jung-Suk Han et al.
15	Preliminary Study on the Design of Screw Head for Rapid Fastening & Loosening	J Kor Acad Family Medcine 2000;2(2):26-31	Jae-Bong Lee
16	The Comparative Study of Mechnical Stability Between Self Tapping Fixture and Double Threaded Fixture by 3-dimensional Finite Element Analysis	J Kor Acad of General Dentistry 1999;1(1):73-81	Byung-nam Hwang et al.

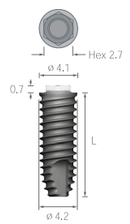
OSSTEM Implant System Flow

USII SA

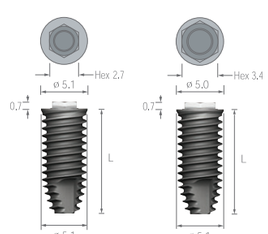
- Submerged type implant with an external hex connection structure
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Straight body offers good implantation performance
- Corkscrew thread : Powerful Self threading



L : 8.5 10 11.5 13



L : 7 8.5 10 11.5 13



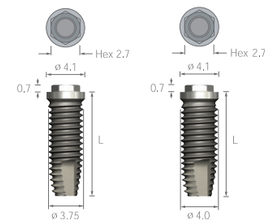
L : 6 7 8.5 10 11.5 13

USII

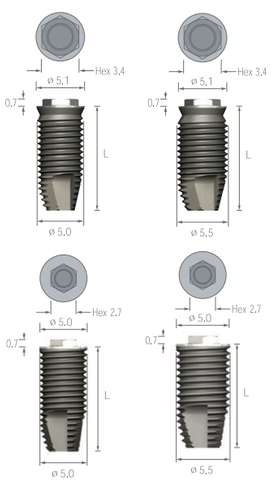
- Submerged type implant with an external hex connection structure
- RBM : Excellent bio-affinity of surface
- Increased osseointegration in the cortical bone
- Decreased marginal bone loss
- Straight body offers good implantation performance
- Powerful self threading design

※ The actual length of USIII Fixture is L-0.4mm.

L: 8.5 10 11.5 13 15



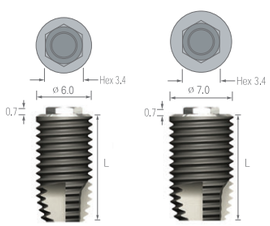
L : 7 8.5 10 11.5 13 15



L : 7 8.5 10 11.5 13 15

USII Ultra-Wide®

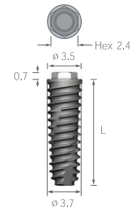
- Submerged type implant with an external hex connection structure
- RBM : Excellent bio-affinity of surface
- Compatible with US wide abutment
- Submerged type wide diameter fixture
- Indication of US Ultra-Wide® system
  - Immediate placement at the extract socket
  - Immediate replacement of the failed implant



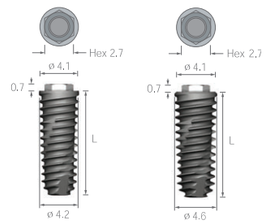
L : 6 7 8.5 10 11.5 13

USIII SA

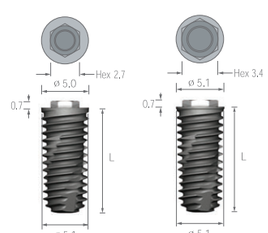
- Submerged type implant with an external hex connection structure
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- Taper body offers excellent primary bonding
- Corkscrew thread : Powerful Self threading



L : 8.5 10 11.5 13



L : 7 8.5 10 11.5 13

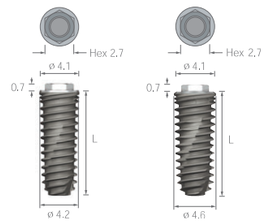


L : 6 7 8.5 10 11.5 13

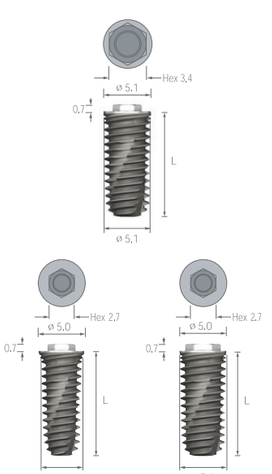
USIII

- Submerged type implant with an external hex connection structure
- RBM : Excellent bio-affinity of surface
- Taper body offers excellent primary bonding
- Corkscrew thread : Powerful Self threading

L: 8.5 10 11.5 13 15



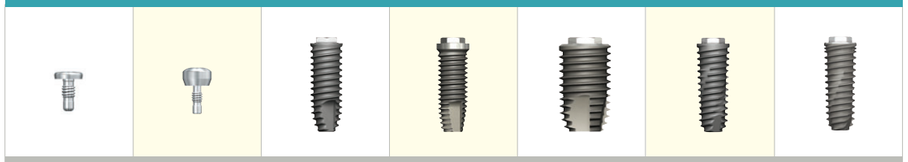
L : 7 8.5 10 11.5 13 15



L : 7 8.5 10 11.5 13 15

US Prothesis Library

US System



Cover Screw	Healing Abutment	USII SA	USII	USII Ultra-Wide®	USIII SA	USIII

System	Abutment	Abutment Screw
Cement ZioCera Angled	(Hex) (Non-Hex) Cement (Hex) ZioCera/ ZioCera Angled (15°) (25°) (Double Hex) Angled	(EbonyGold) (Ti)
UCLA - Gold / NP-CAST - Plastic	(Hex) (Non-Hex) Gold / NP-CAST (Hex) (Non-Hex) Plastic	

Safe Abutment	Abutment	Protect Cap	Gold Cylinder	Plastic Cylinder	Cylinder Screw
Esthetic		Healing Cap	(Hex) (Non-Hex)	(Hex) (Non-Hex)	(EbonyGold) (Ti)
Esthetic-low			(Hex) (Non-Hex)	(Hex) (Non-Hex)	(EbonyGold) (Ti)
Standard					(EbonyGold) (Ti)
O - ring		O-rings System			
LOCATOR®		Replacement Male	Extended Replacement Male		

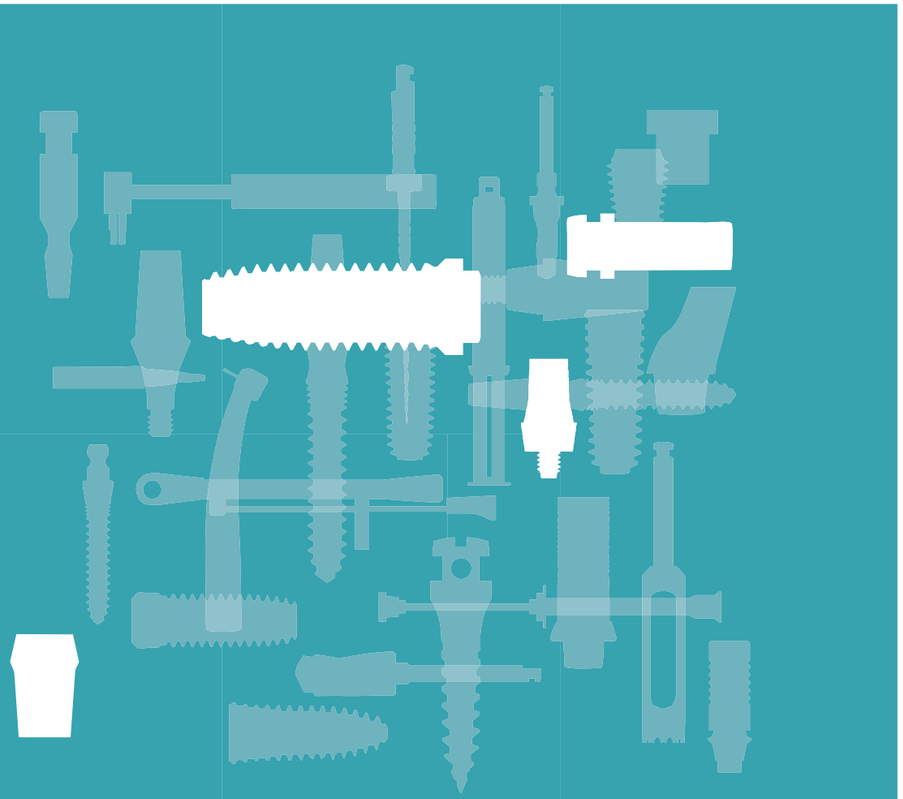
Impression Coping	Lab Analog	Temporary Abutment & Cylinder	Polishing Protector
(Hex) (Non-Hex) Pick-up (Hex) (Non-Hex) Transfer		(Hex) (Non-Hex)	(Only UCLA Abutment)
(Hex) (Non-Hex) Pick-up Transfer		(Hex) (Non-Hex)	
(Hex) (Non-Hex) Pick-up Transfer		(Hex) (Non-Hex)	
Pick-up Transfer			
	Torque Driver	Core Tool	

US SYSTEM

OSSTEM IMPLANT SYSTEM

US SYSTEM

Fixture and **Restorative Components**

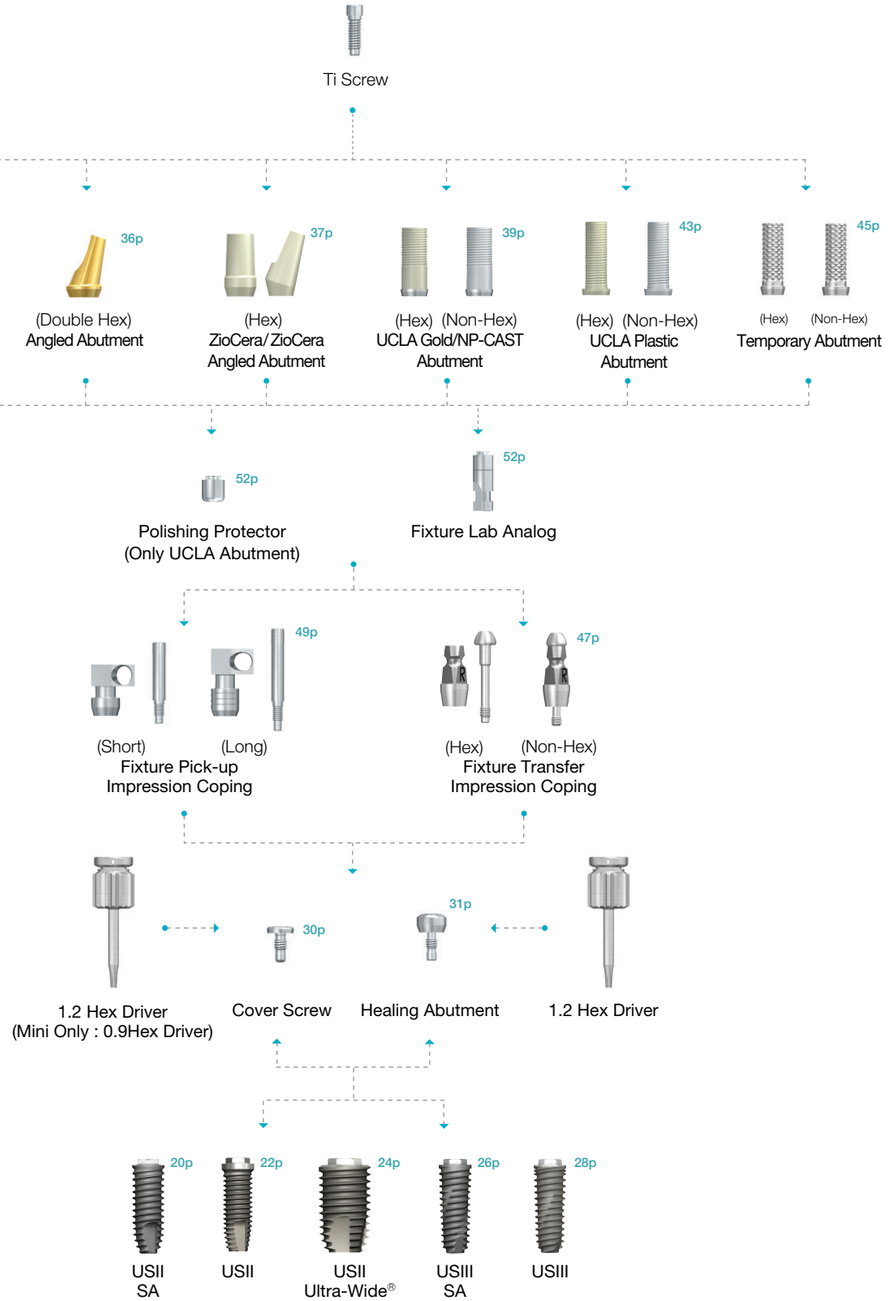


US SYSTEM

EARLY & **ESTHETIC**
OSSTEM IMPLANT

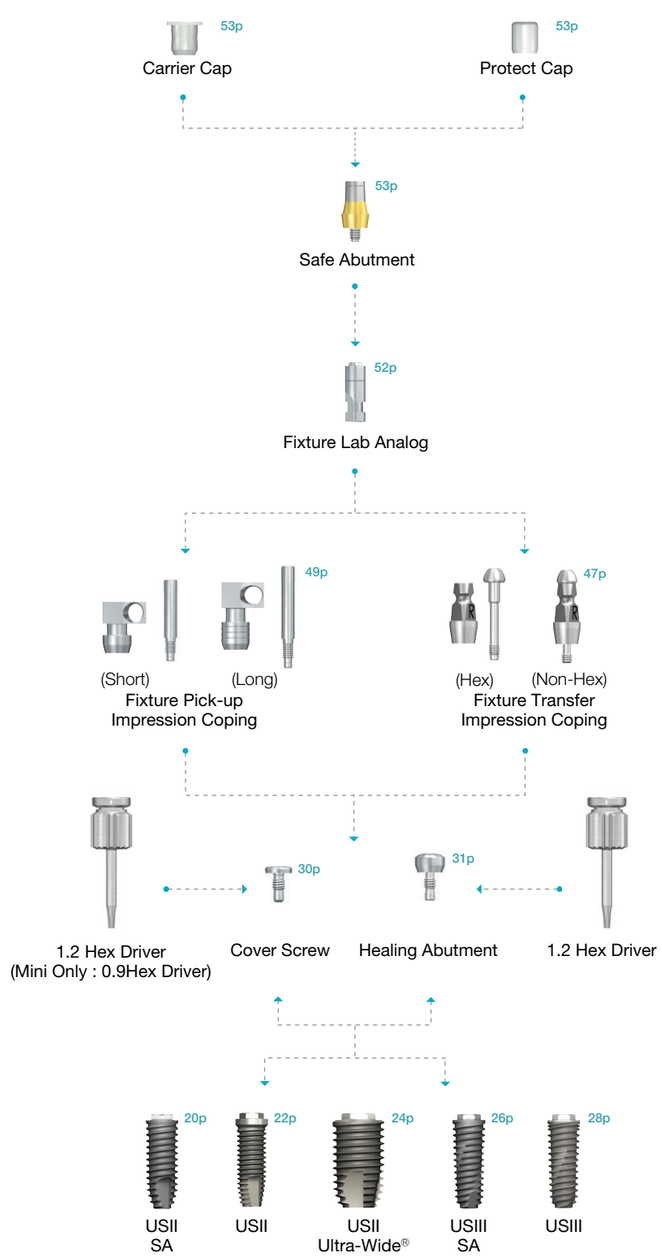
Prosthetic Flow Diagrams for US System

Cement Retained Restoration : Cement, Angled, ZioCera, UCLA Abutment
Screw Retained Retoration : UCLA Gold/NP-CAST Abutment, ZioCera/ZioCera Angled Abutment
Screw & Cement Retained Restoration : • Mini, Regular, Wide



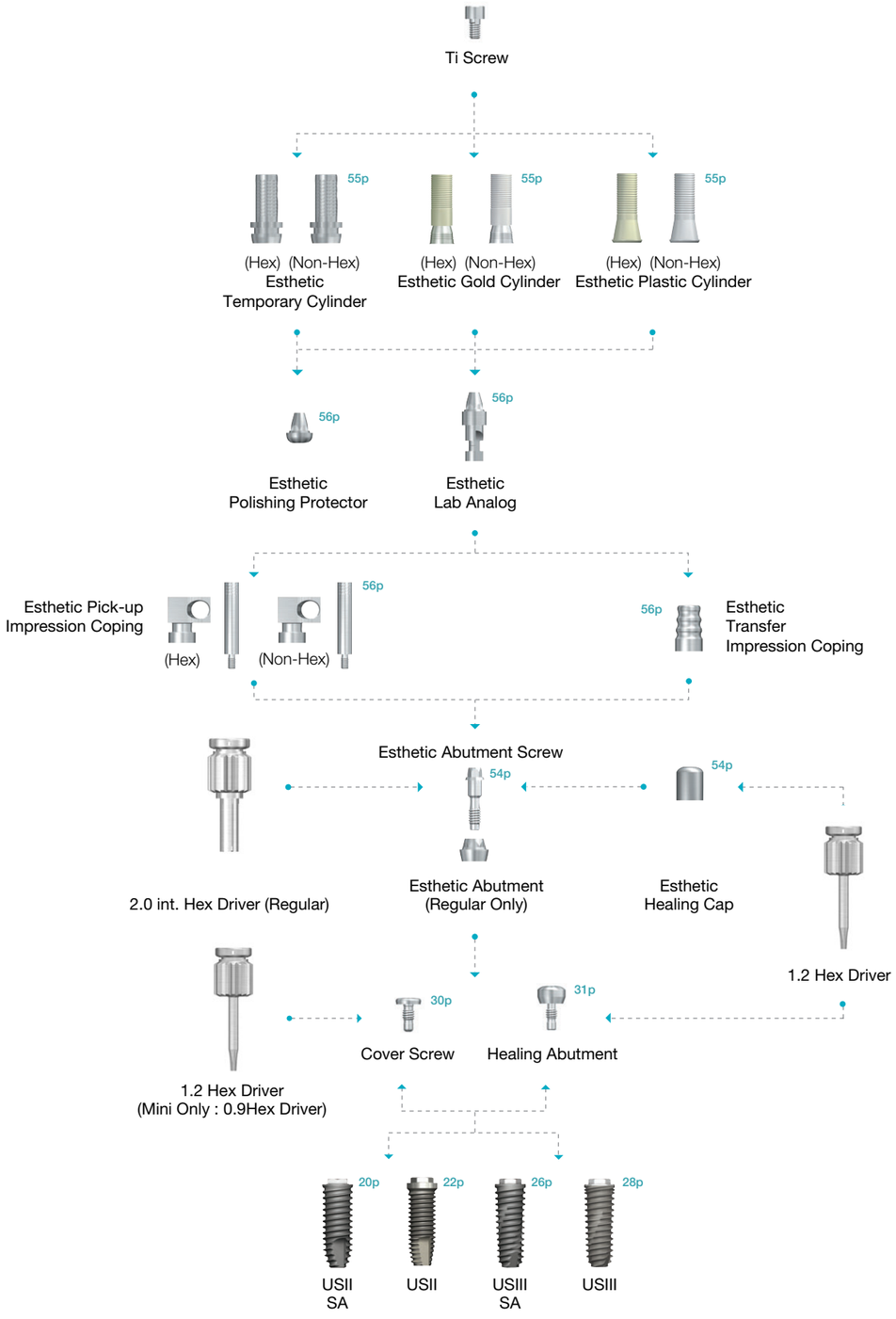
Prosthetic Flow Diagrams for US System

Cement Retained Restortion : Safe Abutment • Regular, Wide



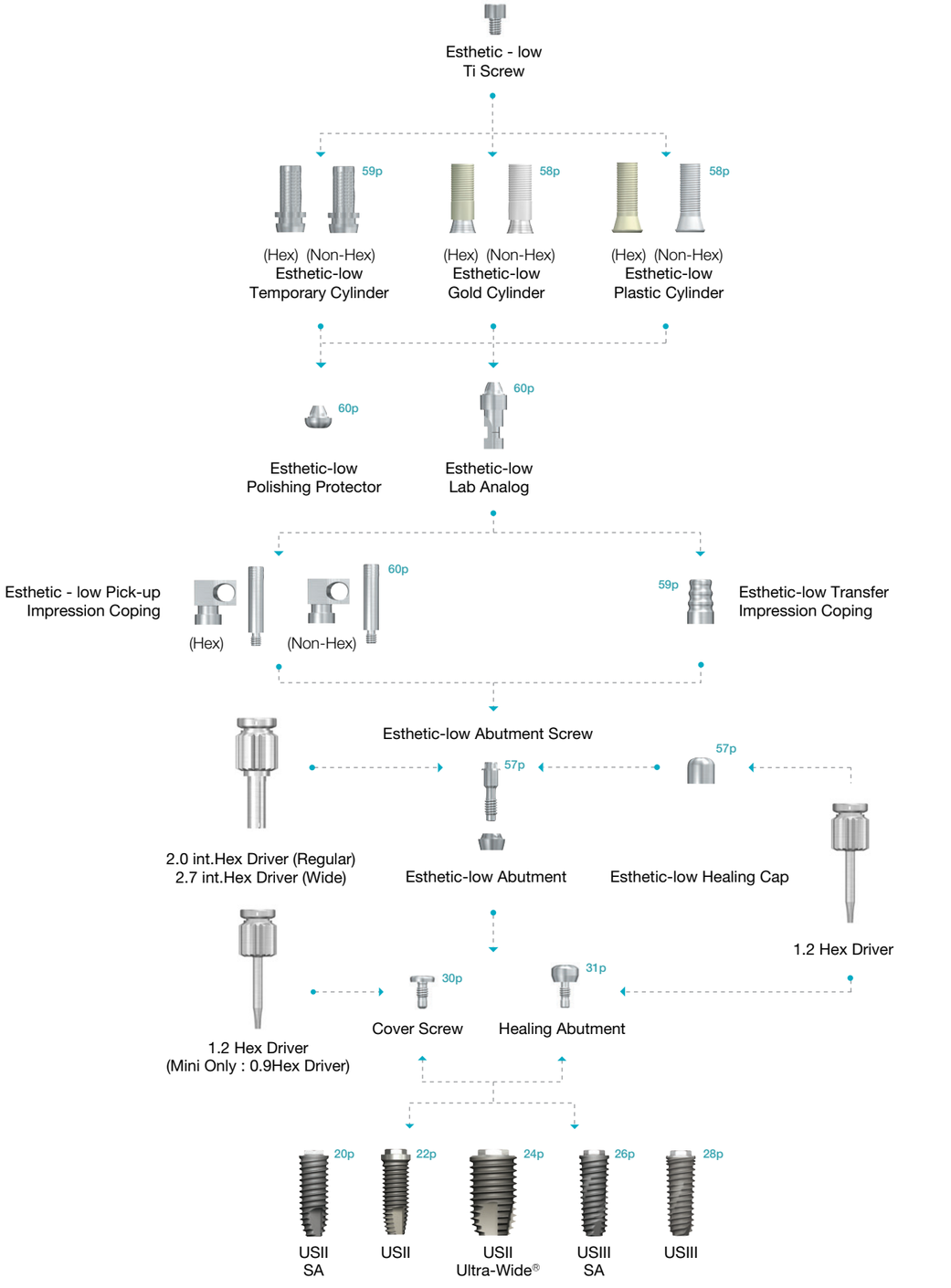
Prosthetic Flow Diagrams for US System

Screw Retained Restoration : Esthetic Abutment • Regular



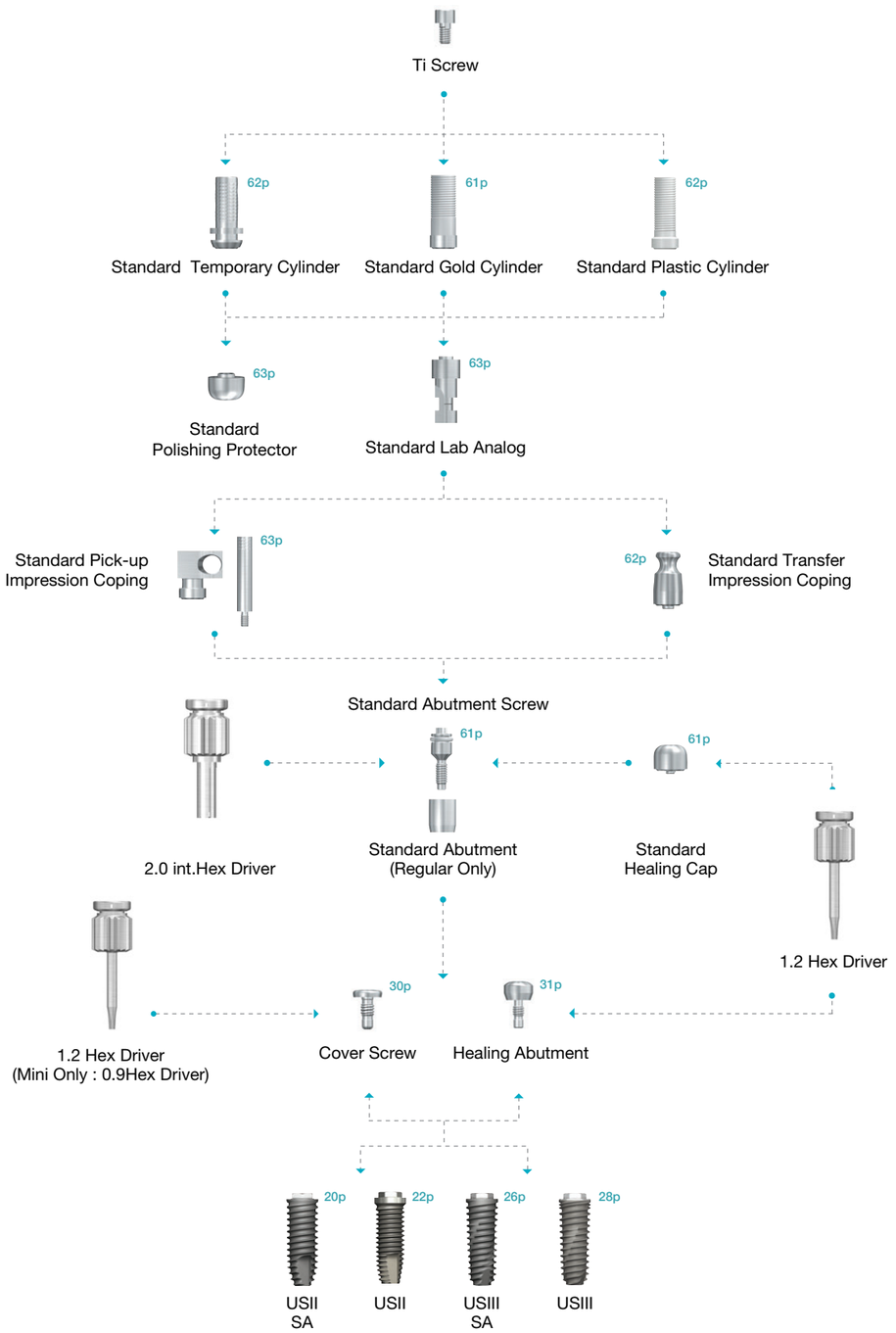
Prosthetic Flow Diagrams for US System

Screw Retained Restoration : Esthetic-low Abutment • Regular, Wide



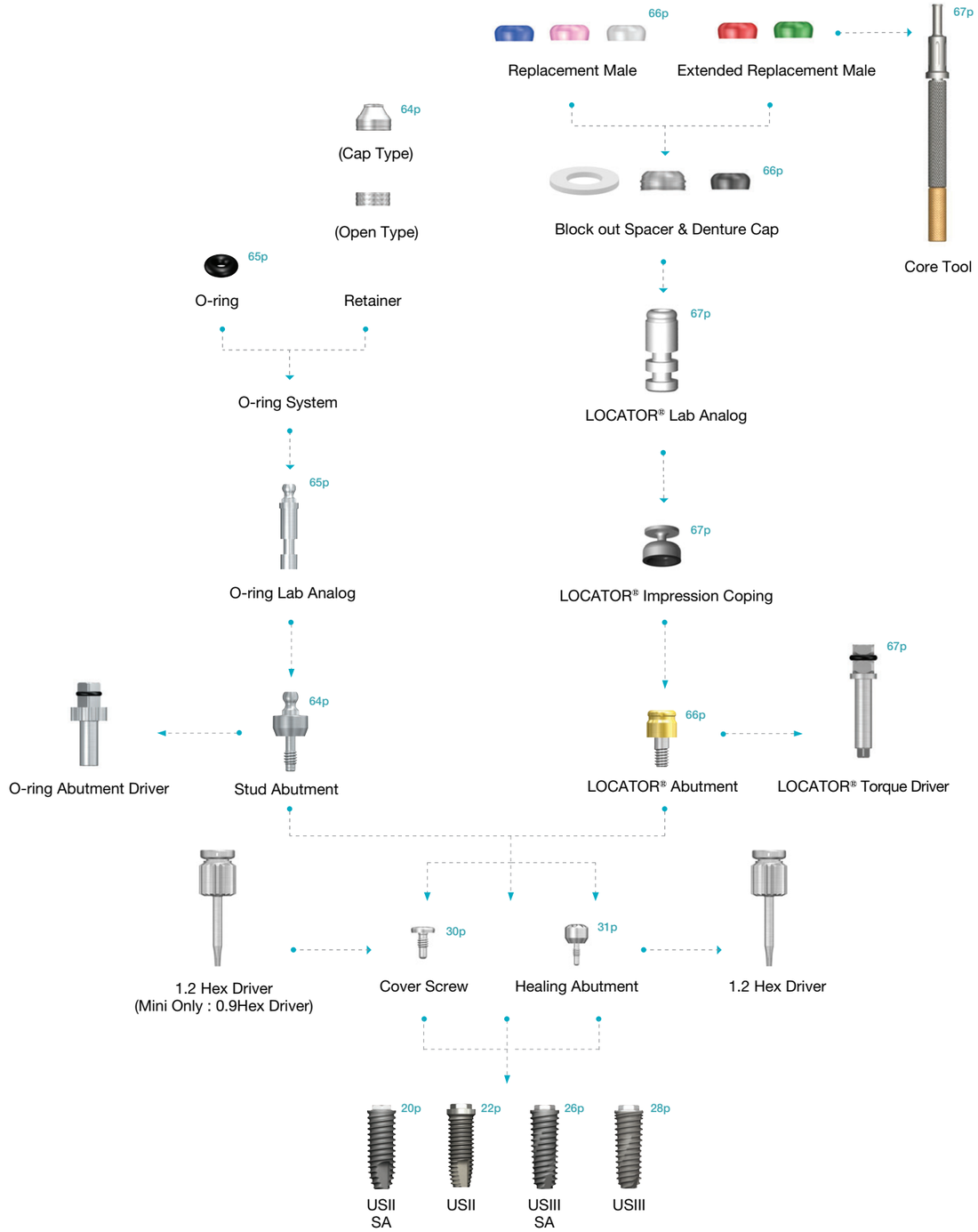
Prosthetic Flow Diagrams for US System

Screw Retained Restoration : Standard Abutment • Regular

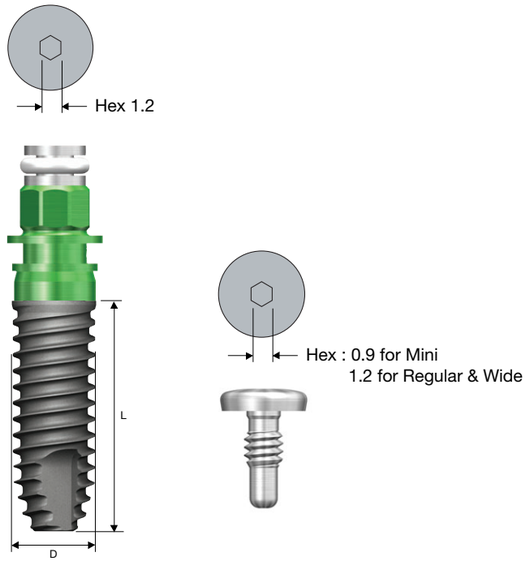


Prosthetic Flow Diagrams for US System

Overdenture Restoration : O-ring / LOCATOR® Abutment • Regular



USII SA Fixture



USII SA Fixture Order Code

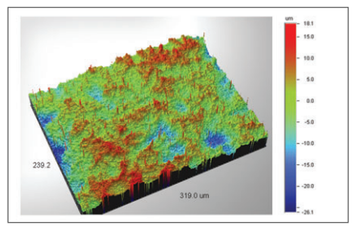
Fixture Only
-Fixture : Product Code (ex : US2R4010S)

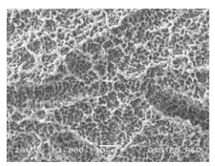
Pre-Mounted Fixture (Simple Mount)
-Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : AUS2R4010S)

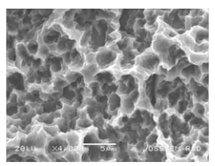
Feature of USII SA Fixture

- Submerged type implant with an external hex connection structure
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : combine crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Load 6weeks after implantation
- Optimized design for SA surface
- Straight body offers good implantation performance
- Corkscrew thread : Powerful Self threading
- Small Thread : Increase initial stability in soft bone
- Limited insertion torque : 40Ncm

※ We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

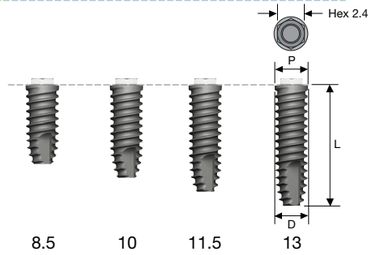






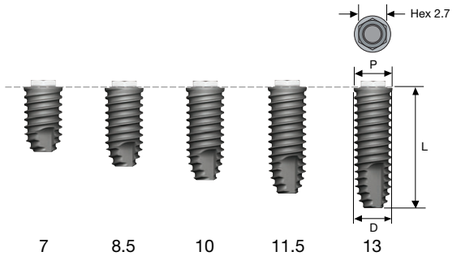
※ The following labeled dimension may differ from the actual dimension.

Mini — Platform ø3.5



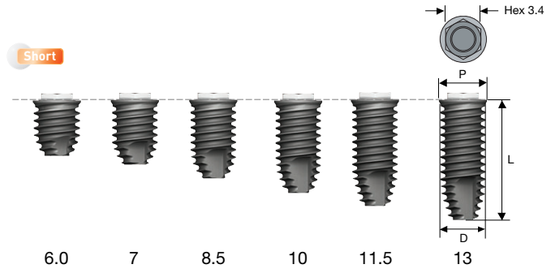
P	ø3.5
Hex	2.4
L \ D	ø3.5
8.5	US2M3508S
10	US2M3510S
11.5	US2M3511S
13	US2M3513S

Regular — Platform ø4.1



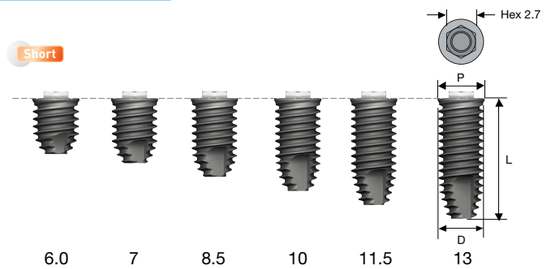
P	ø4.1	
Hex	2.7	
L \ D	ø4.0	ø4.5
7	US2R4007S	US2R4507S
8.5	US2R4008S	US2R4508S
10	US2R4010S	US2R4510S
11.5	US2R4011S	US2R4511S
13	US2R4013S	US2R4513S

Wide — Platform ø5.1



P	ø5.1
Hex	3.4
L \ D	ø5.0
6 (Short)	US2W5006S
7	US2W5007S
8.5	US2W5008S
10	US2W5010S
11.5	US2W5011S
13	US2W5013S

Wide PS — Platform ø5.0

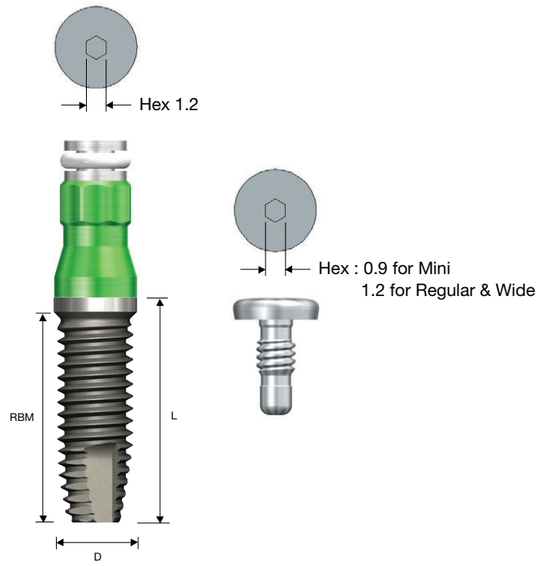


P	ø5.0
Hex	2.7
L \ D	ø5.0
6 (Short)	US2P5006S
7	US2P5007S
8.5	US2P5008S
10	US2P5010S
11.5	US2P5011S
13	US2P5013S

- Wide PS has Hex structure same with regular fixture.

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

USII Fixture



USII Fixture Order Code

Fixture Only
-Fixture : Product Code (ex : BFR307A)

Pre-Mounted Fixture (Simple Mount)
-Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ABFR307A)

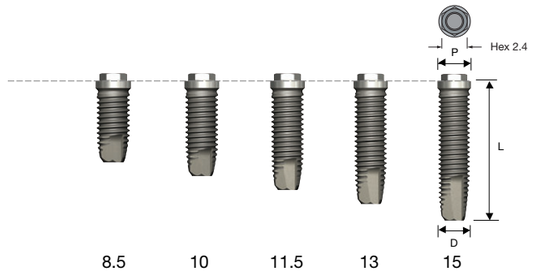
Features of USII Fixture

- External hex-connected, submerged fixture
- Triple-tapered thread and double-tapered shape enable excellent initial bonding stability with soft bone
- Excellent precision fit with superstructure denture : looseness between fixture hex and superstructure 7-15㎛, rotation looseness 0.4°-2°
- 3-bladed cutting edge with excellent self-tapping force
- All RBM surfaces with excellent bio-affinity
- A variety of diameters and lengths are available for various oral environments
- Limited insertion torque : 40Ncm

* We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

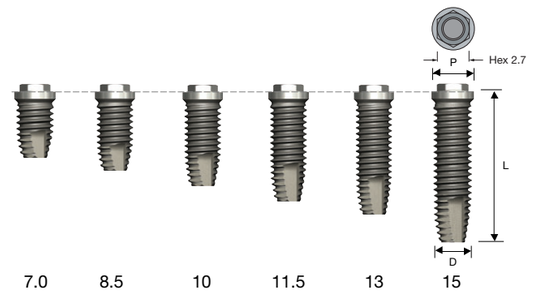
※ The following labeled dimension may differ from the actual dimension.

Mini — Platform ø3.5



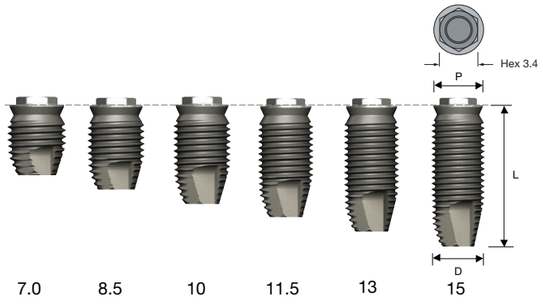
P	ø3.5
Hex	2.4
L \ D	ø3.3
7.0	-
8.5	BFM208A
10	BFM210A
11.5	BFM211A
13	BFM213A
15	BFM215A

Regular — Platform ø4.1



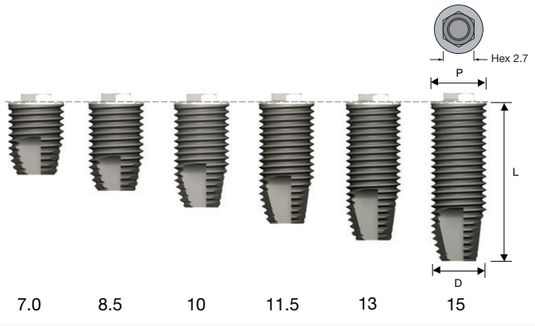
P	ø4.1		
Hex	2.7		
L \ D	ø3.75	ø4.0	ø4.5
7.0	BFR307A	BFR407A	USPR4507R
8.5	BFR308A	BFR408A	USPR4508R
10	BFR310A	BFR410A	USPR4510R
11.5	BFR311A	BFR411A	USPR4511R
13	BFR313A	BFR413A	USPR4513R
15	BFR315A	BFR415A	USPR4515R

Wide — Platform ø5.1



P	ø5.1	
Hex	3.4	
L \ D	ø5.0	ø5.5
7.0	BFW507A	BFW607A
8.5	BFW508A	BFW608A
10	BFW510A	BFW610A
11.5	BFW511A	BFW611A
13	BFW513A	BFW613A
15	BFW515A	BFW615A

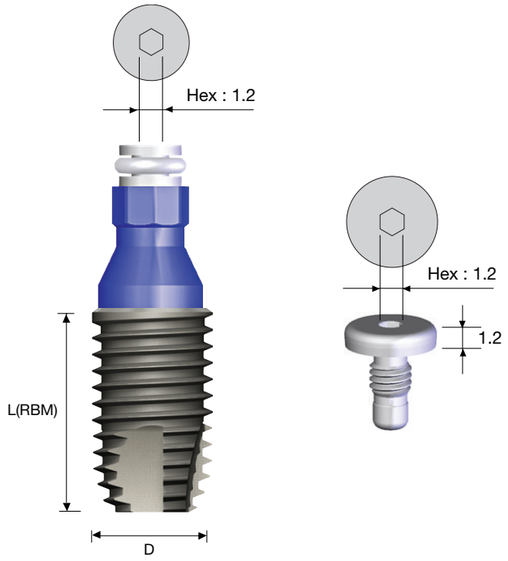
Wide PS — Platform ø5.0



P	ø5.0	
Hex	2.7	
L \ D	ø5.0	ø5.5
7.0	TBFW507A	TBFW607A
8.5	TBFW508A	TBFW608A
10	TBFW510A	TBFW610A
11.5	TBFW511A	TBFW611A
13	TBFW513A	TBFW613A
15	TBFW515A	TBFW615A

• Wide PS has Hex structure same with regular fixture.

USII Ultra-Wide® Fixture



(*Uses the same mount and cover screw with US Wide)

USII Ultra-Wide® Fixture Order Code

Fixture Only
- Fixture : Product Code (ex : BFW6008A)

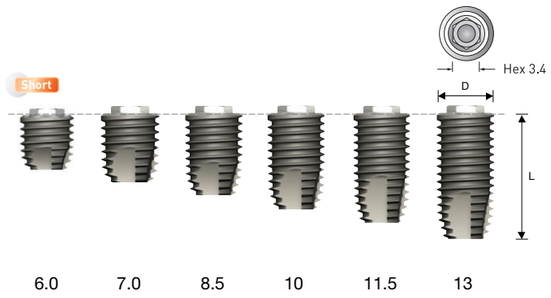
Pre-Mounted Fixture (Simple Mount)
- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ABFW6008A)

Features of USII Ultra-Wide® fixture

- External hex, wide-diameter fixture that commonly uses US wide abutment components
- A fixture that is convenient to use in case of immediate insertion following posterior tooth extract socket and replacement of failed implants
- Looseness between fixture hex and superstructure : 7~15㎛ Rotation looseness : 0.4°~ 2°
- Securing a platform switching effect that minimizes bone resorption and enhances soft tissue volume
- Optimized apex design that enables gaining stable initial fixation even at 3 mm below the extract socket
- All RBM surfaces with excellent bio-affinity
- 4-bladed cutting edge with excellent self-tapping force
- A variety of diameters and lengths are available for various oral environments
- Limited insertion torque : 40 Ncm

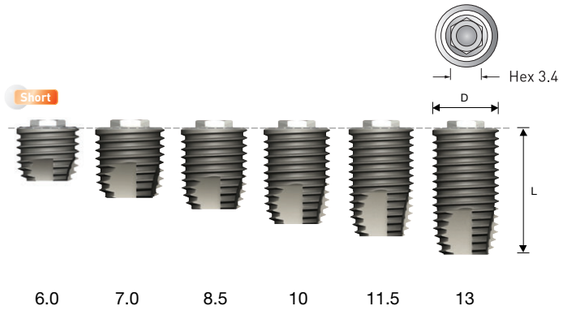
※ The following labeled dimension may differ from the actual dimension.

Wide Diameter ø 6.0



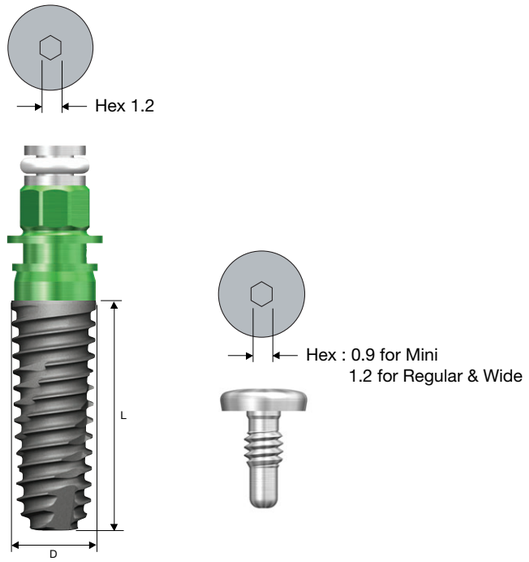
Platform	ø 5.1
Hex	3.4
L \ D	ø 6.0
6.0 (Short)	BFW6006A
7.0	BFW6007A
8.5	BFW6008A
10	BFW6010A
11.5	BFW6011A
13	BFW6013A

Wide Diameter ø 7.0



Platform	ø 6.1
Hex	3.4
L \ D	ø 7.0
6.0 (Short)	BFW7006A
7.0	BFW7007A
8.5	BFW7008A
10	BFW7010A
11.5	BFW7011A
13	BFW7013A

USIII SA Fixture



USIII SA Fixture Order Code

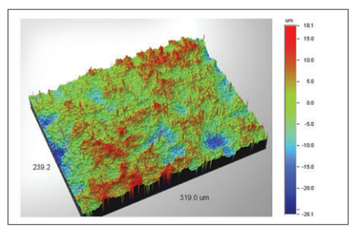
Fixture Only
-Fixture : Product Code (ex : US3R4010S)

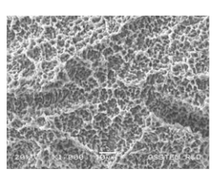
Pre-Mounted Fixture (Simple Mount)
-Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : AUS3R4010S)

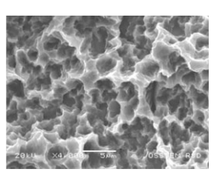
Feature of USIII SA Fixture

- Submerged type implant with an external hex connection structure
- SA surface morphology and roughness increased by 45% compared to RBM treatment
- SA : Sand blasted with alumina and Acid etched surface
  - Optimal morphology : combine crater and micro-pit
  - Optimal surface roughness : Ra 2.5~3.0㎛
  - Early cell response : 20% faster than RBM
  - Early bone healing : 20% faster than RBM
  - Load 6weeks after implantation
- Optimized design for SA surface
- Taper body offers excellent primary bonding
- Corkscrew thread : Powerful Self threading
- Small Thread : Increase initial stability in soft bone
- Limited insertion torque : 40Ncm

※ We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

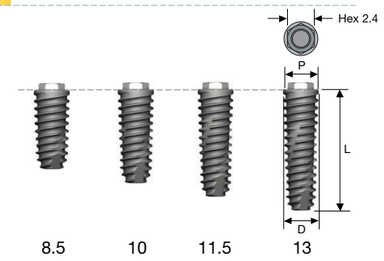






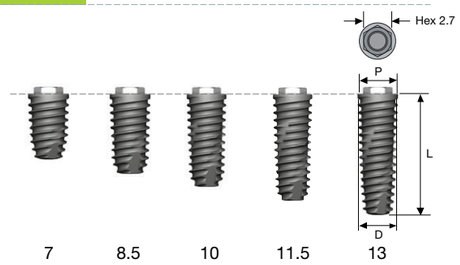
※ The following labeled dimension may differ from the actual dimension.

Mini — Platform ø3.5



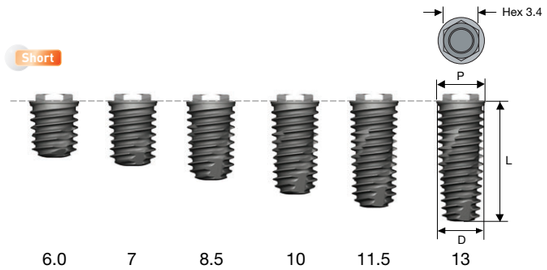
P	ø3.5
Hex	2.4
L \ D	ø3.5
8.5	US3M3508S
10	US3M3510S
11.5	US3M3511S
13	US3M3513S

Regular — Platform ø4.1



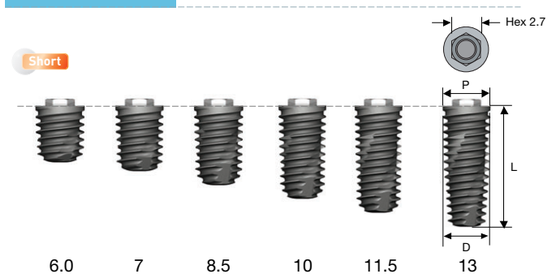
P	ø4.1	
Hex	2.7	
L \ D	ø4.0	ø4.5
7	US3R4007S	US3R4507S
8.5	US3R4008S	US3R4508S
10	US3R4010S	US3R4510S
11.5	US3R4011S	US3R4511S
13	US3R4013S	US3R4513S

Wide — Platform ø5.1



P	ø5.1
Hex	3.4
L \ D	ø5.0
6 (Short)	US3W5006S
7	US3W5007S
8.5	US3W5008S
10	US3W5010S
11.5	US3W5011S
13	US3W5013S

Wide PS — Platform ø5.0

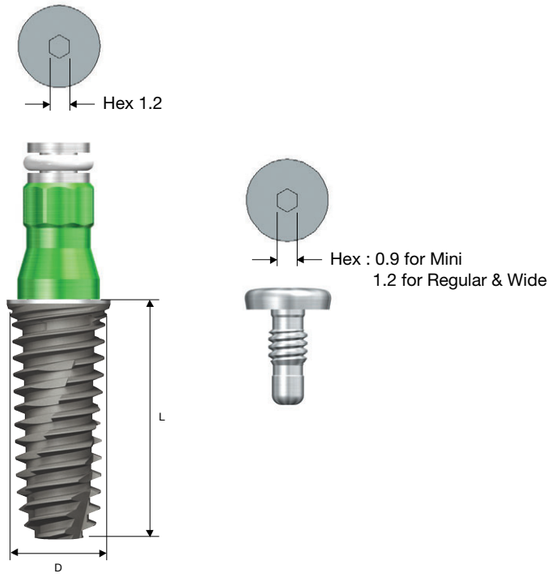


P	ø5.0
Hex	2.7
L \ D	ø5.0
6 (Short)	US3P5006S
7	US3P5007S
8.5	US3P5008S
10	US3P5010S
11.5	US3P5011S
13	US3P5013S

- Wide PS has Hex structure same with regular fixture.

※ Note : Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

USIII Fixture



USIII Fixture Order Code

Fixture Only
-Fixture : Product Code (ex : US3R4010R)

Pre-Mounted Fixture (Simple Mount)
-Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : AUS3R4010R)

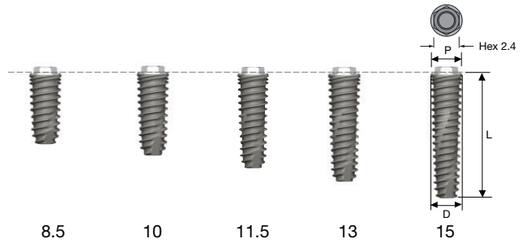
Features of USIII Fixture

- External hex-connected, submerged fixture
- Excellent precision fit with superstructure denture : looseness between fixture hex and superstructure 7-15㎛, rotation looseness 0.4°-2°
- Taper body offers excellent primary bonding
- Corkscrew thread & Cutting edge
  - Powerful self threading
  - Change path easily
  - Increase insertion torque in soft bone
  - Increase initial stability in soft bone
- A variety of diameters and lengths are available for various oral environments
- Limited insertion torque : 40Ncm

* We recommend that the fixture with over 4.5mm diameter is used for single case in Molar

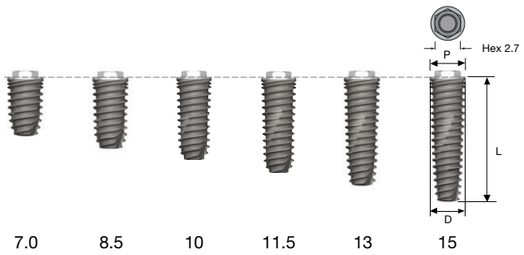
※ The following labeled dimension may differ from the actual dimension.

Mini — Platform ø3.5



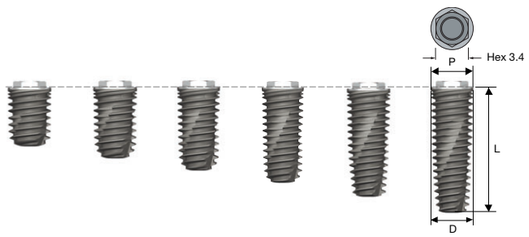
P	ø3.5
Hex	2.4
L \ D	ø3.5
7.0	-
8.5	US3M3508R
10	US3M3510R
11.5	US3M3511R
13	US3M3513R
15	US3M3515R

Regular — Platform ø4.1



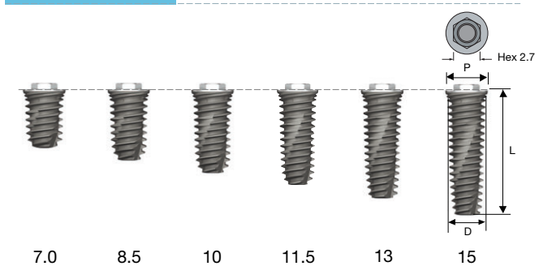
P	ø4.1	
Hex	2.7	
L \ D	ø4.0	ø4.5
7	US3R4007R	US3R4507R
8.5	US3R4008R	US3R4508R
10	US3R4010R	US3R4510R
11.5	US3R4011R	US3R4511R
13	US3R4013R	US3R4513R
15	US3R4015R	US3R4515R

Wide — Platform ø5.1



P	ø5.1
Hex	3.4
L \ D	ø5.0
7	US3W5007R
8.5	US3W5008R
10	US3W5010R
11.5	US3W5011R
13	US3W5013R
15	US3W5015R

Wide PS — Platform ø5.0



P	ø5.0	
Hex	2.7	
L \ D	ø4.5	ø5.0
7	US3P4507R	US3P5007R
8.5	US3P4508R	US3P5008R
10	US3P4510R	US3P5010R
11.5	US3P4511R	US3P5011R
13	US3P4513R	US3P5013P
15	US3P4515R	US3P5015R

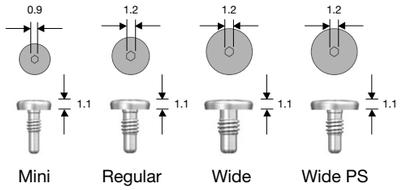
• Wide PS has Hex structure same with regular fixture.

Simple Mount

	Mini	Regular	Wide
Code	ESFMM/USSMY	ESFMR/USSRG	ESFMW/USSWB

- Color indication facilitates the identification in the oral cavity
- Use a 1.2 hex driver to remove screws
- Packing unit : Mount + Mount Screw
- Tightening torque : 8-10 Ncm

Cover Screw



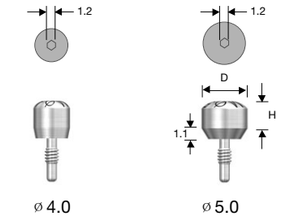
	Mini	Regular	Wide	Wide PS
US	AICM100	AICR100	AICW100	TICW100

- Use 0.9 (mini) and 1.2 (regular and wide) hex drivers
- Packing unit : Cover Screw
- Tightening torque : 5-8 Ncm

Healing Abutment

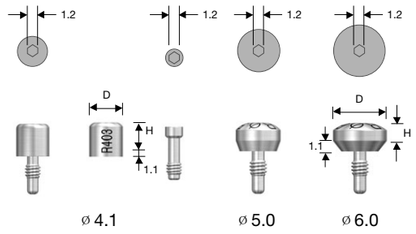
- Use a 1.2 hex driver
- Packing unit : Healing abutment
- Tightening torque : 5-8 Ncm

Mini



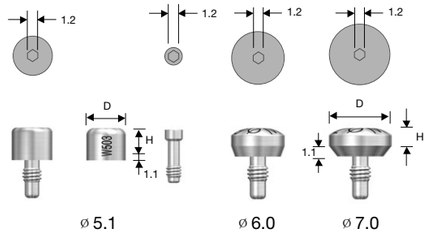
H \ D	ø 4.0	ø 5.0
2.0	-	-
3.0	AIHM403	AIHM503
4.0	-	-
5.5	AIHM405	AIHM505
7.0	-	-

Regular



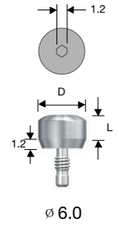
H \ D	ø 4.1 (One Piece)	ø 4.1 (Two Piece)	ø 5.0	ø 6.0
2.0	-	-	AIHR502	AIHR602
3.0	AIOHR403	AIHR403	AIHR503	AIHR603
4.0	-	-	AIHR504	AIHR604
5.5	AIOHR405	AIHR405	AIHR505	AIHR605
7.0	AIOHR407	AIHR407	AIHR507	AIHR607

Wide



H \ D	ø 5.1 (One Piece)	ø 5.1 (Two Piece)	ø 6.0	ø 7.0
2.0	-	-	AIHW602	AIHW702
3.0	AIOHW503	AIHW503	AIHW603	AIHW703
4.0	-	-	AIHW604	AIHW704
5.5	AIOHW505	AIHW505	AIHW605	AIHW705
7.0	-	-	-	-

Wide PS

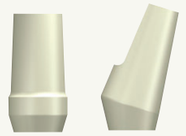


H \ D	ø 6.0
2.0	-
3.0	TIHW603
4.0	-
5.5	TIHW605
7.0	-

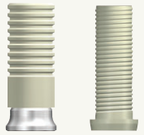
OSSTEM Implant System

Early & Esthetic OSSTEM IMPLANT

Angled



ZioCera
ZioCera Angled

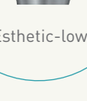


UCLA

Safe

Esthetic Cylinder

Esthetic-low Cylinder



Esthetic-low

Standard Cylinder

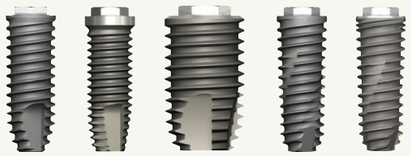
Standard

O-ring

LOCATOR®

Esthetic

Cement



US System

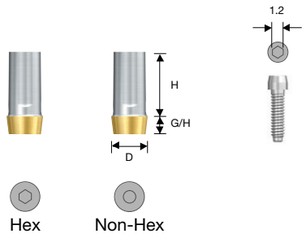
Components Guide

Cement Abutment - Cement Retained Restoration

- Use for making general cement-type prosthesis
- Gigival gold color for aesthetic effect
- Tapered body design facilitating prosthetic fit
- Cross-section design for the prevention of prosthesis rotation
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : Ti screw : 30Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : CAR525TH)

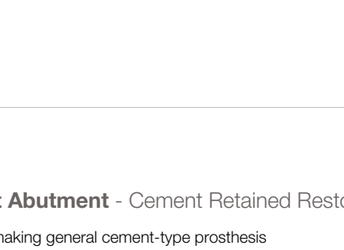
Mini



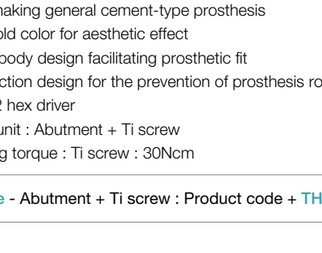
D		ø 4.0	
H	Type G/H	Hex	Non-Hex
7.0	1.0	-	-
	2.0	CAM427	CAM427N
	3.0	-	-
	4.0	CAM447	CAM447N
Screw	Ti	USABSMT	

Regular

(ø 4.1)



(ø 5.0)

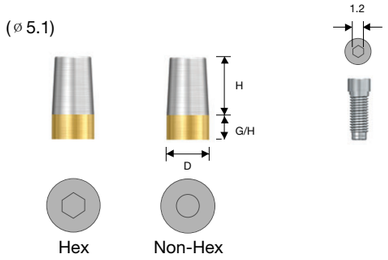


(ø 6.0)

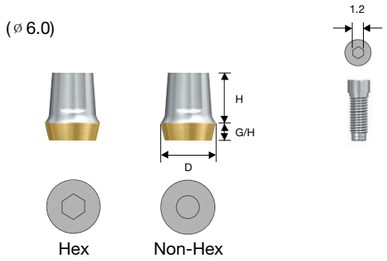
D		ø 4.1		ø 5.0		ø 6.0	
H	Type G/H	Hex	Non-Hex	Hex	Non-Hex	Hex	Non-Hex
4.0	1.0	-	-	CAR514	CAR514N	-	-
	2.0	-	-	CAR524	CAR524N	-	-
	3.0	-	-	CAR534	CAR534N	-	-
	4.0	-	-	CAR544	CAR544N	-	-
5.5	1.0	-	-	CAR515	CAR515N	CAR615	CAR615N
	2.0	-	-	CAR525	CAR525N	CAR625	CAR625N
	3.0	-	-	CAR535	CAR535N	CAR635	CAR635N
	4.0	-	-	CAR545	CAR545N	CAR645	CAR645N
7.0	1.0	-	-	CAR517	CAR517N	-	-
	2.0	-	-	CAR527	CAR527N	-	-
	3.0	CAR437	CAR437N	CAR537	CAR537N	-	-
	4.0	-	-	CAR547	CAR547N	-	-
Screw	Ti	ASR200					

WIde

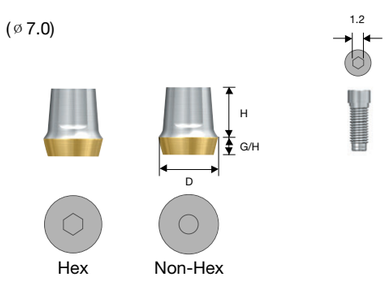
(ø 5.1)



(ø 6.0)

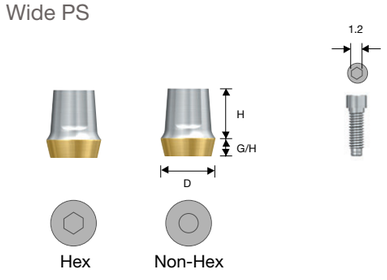


(ø 7.0)



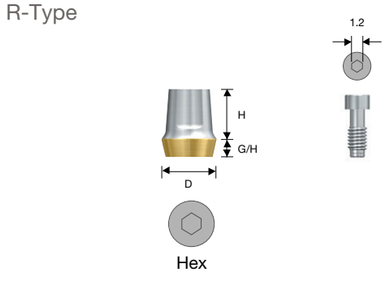
D		ø 5.1		ø 6.0		ø 7.0	
H	Type G/H	Hex	Non-Hex	Hex	Non-Hex	Hex	Non-Hex
4.0	1.0	-	-	CAW614	CAW614N	-	-
	2.0	-	-	CAW624	CAW624N	-	-
	3.0	-	-	CAW634	CAW634N	-	-
	4.0	-	-	CAW644	CAW644N	-	-
5.5	1.0	-	-	CAW615	CAW615N	CAW715	CAW715N
	2.0	-	-	CAW625	CAW625N	CAW725	CAW725N
	3.0	-	-	CAW635	CAW635N	CAW735	CAW735N
	4.0	-	-	CAW645	CAW645N	CAW745	CAW745N
7.0	1.0	-	-	CAW617	-	-	-
	2.0	-	-	CAW627	-	-	-
	3.0	CAW537	CAW537N	CAW637	-	-	-
	4.0	-	-	CAW647	-	-	-
Screw	Ti	ASW200					

Wide PS



D		ø 6.0	
H	Type G/H	Hex	Non-Hex
7.0	1.0	-	-
	2.0	TCAW627	TCAW627N
	3.0	-	-
	4.0	TCAW647	TCAW647N
Screw	Ti	ASR200*	

R-Type



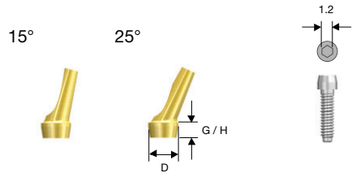
D		ø 6.0	
H	Type G/H	Hex	Non-Hex
7.0	1.0	-	-
	2.0	RCAW627	-
	3.0	-	-
	4.0	RCAW647	-
Screw	Ti	RASW200*	

Angled Abutment - Cement Retained Restoration

- Use for the path adjustment of prosthesis
- Gold color for aesthetic effect
- Double hex connection overcoming the limitation of the abutments' direction
- Since screw loosening occurs somewhat frequently, EbonyGold screw is recommended
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : Ti screw : 30Ncm

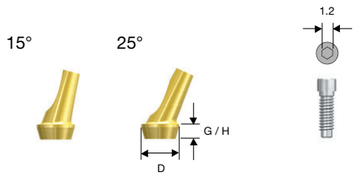
Order code - Abutment + Ti screw : Product code + TH (ex : AAR5152CTH)

Mini



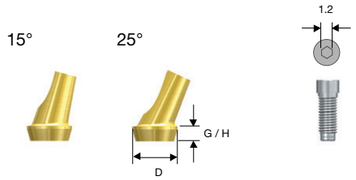
Angle	G/H \ D	ø 4.0
15°	2.0	AAM4152C
	4.0	AAM4154C
25°	2.0	AAM4252C
	4.0	AAM4254C
Screw	Ti	USABSMT

Regular



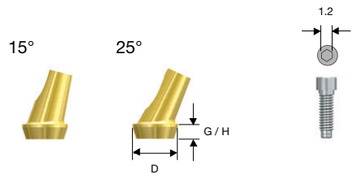
Angle	G/H \ D	ø 5.0
15°	2.0	AAR5152C
	4.0	AAR5154C
25°	2.0	AAR5252C
	4.0	AAR5254C
Screw	Ti	ASR200

Wide



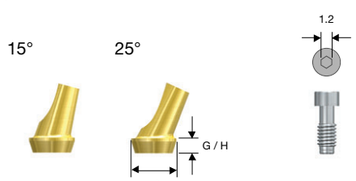
Angle	G/H \ D	ø 6.0
15°	2.0	AAW6152C
	4.0	AAW6154C
25°	2.0	AAW6252C
	4.0	AAW6254C
Screw	Ti	ASW200

Wide PS



Angle	G/H \ D	ø 6.0
15°	2.0	TAAW6152C
	4.0	TAAW6154C
25°	2.0	TAAW6252C
	4.0	TAAW6254C
Screw	Ti	ASR200

R-Type



Angle	G/H \ D	ø 6.0
15°	2.0	RAAW6152C
	4.0	RAAW6154C
25°	2.0	RAAW6252C
	4.0	RAAW6254C
Screw	Ti	RASW200

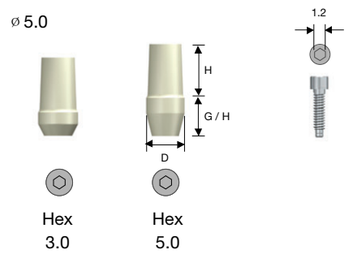
US ZioCera Abutment

ZioCera Abutment - Cement or Screw Retained Restoration

- Use for esthetic implant restorations
- Ivory color for esthetic shade
- Applicable as a screw retained by direct build up.
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : Ti screw : 30Ncm

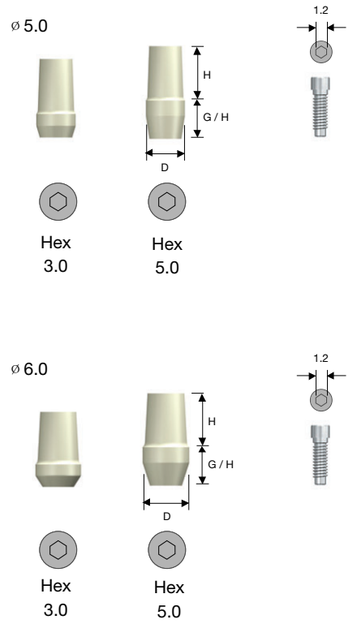
Order code - Abutment + Ti Screw : Product Code + TH (ex : ZAR537TH)

Mini



H	G/H \ D	ø 5.0
7.0	3.0	ZAM537
	5.0	ZAM557
Screw	Ti	ASM200*

Regular



H	G/H \ D	ø 5.0	ø 6.0
7.0	3.0	ZAR537	ZAR637
	5.0	ZAR557	ZAR657
Screw	Ti	ASR200*	

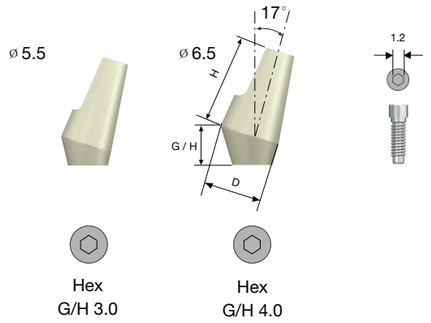
US ZioCera Angled Abutment

ZioCera Angled abutment - Cement or Screw Retained Restoration

- Used for the esthetic prosthesis (Zirconia)
- Ivory color similar to a natural tooth
- The use of direct build-up method enables the screw restoration
- The diameter which is useful and margin forms which are possible to modify
- Used for the path adjustment of anterior in case of 17° axial angle
- Use the 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30Ncm (regular)

Order code - Abutment + Ti screw : Product Code + TH (ex : ZAAR5173TH)

Regular



H	G/H \ D	ø 5.5	ø 6.5
9.0	3.0	ZAAR5173	-
	4.0	-	ZAAR6174
Screw	Ti	ASR200*	

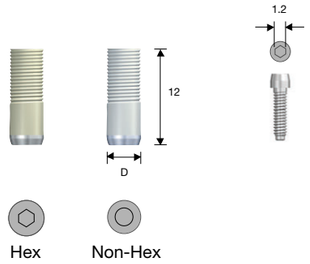
UCLA Abutment Components

UCLA Gold Abutment - Screw or Cement Retained Restoration

- Use for cases with path and aesthetic and spatial constraints
- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of abutment (Au, Pt, Pd alloy) : 1400-1450° (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : Ti screw : 30Ncm

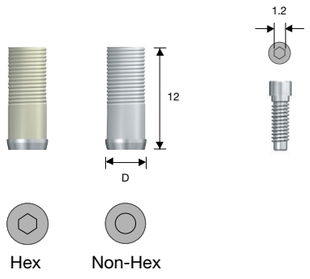
Order code - Abutment + Ti Screw : Product Code + TH (ex : GCR200TH)

Mini



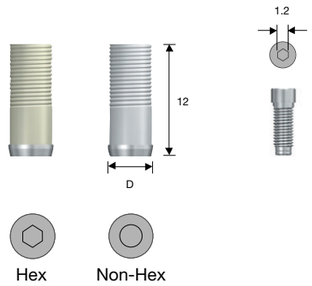
Type \ D	ø 4.0
Hex	GCM200
Non-Hex	GCM100
Screw / Ti	USABSMT

Regular



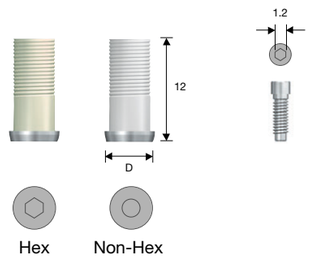
Type \ D	ø 4.5
Hex	GCR200
Non-Hex	GCR100
Screw / Ti	ASR200*

Wide



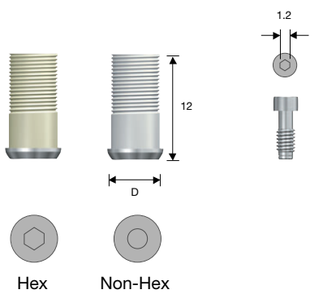
Type	D	ø 5.5
Hex		GCW200
Non-Hex		GCW100
Screw	Ti	ASW200*

Wide PS



Type	D	ø 5.5
Hex		TGCW200
Non-Hex		TGCW100
Screw	Ti	ASR200*

R-Type



Type	D	ø 5.5
Hex		RGCW200
Non-Hex		RGCW100
Screw	Ti	RASW200*

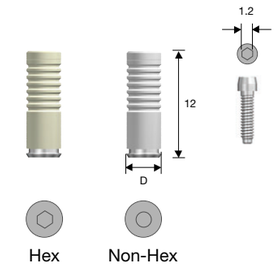
NP-CAST Abutment - Screw or Cement Retained Restoration

- Packing unit : Abutment + Ti screw

- Use for cases with path and aesthetic and spatial constraints
- After customization, be sure to use only dental non-precious metal alloy for casting to make the Prosthesis
- Lower precision in the joints compared to UCLA Gold Abutments
- Use a 1.2 hex driver
- Tightening torque : 30Ncm

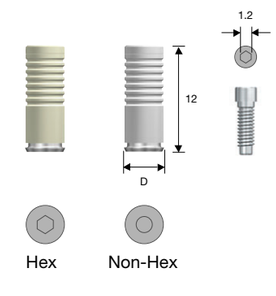
Order code - Abutment + Ti Screw : Product Code + TH (ex : NCR200STH)

Mini



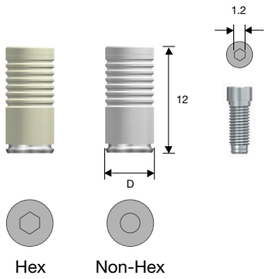
Type	D	ø 4.0
Hex		NCM200
Non-Hex		NCM100
Ti Screw		USABSMT

Regular



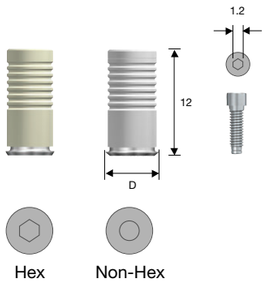
Type	D	ø 4.5
Hex		NCR200
Non-Hex		NCR100
Ti Screw		ASR200

Wide



Type \ D	ø 5.5
Hex	NCW200
Non-Hex	NCW100
Ti Screw	ASW200

Wide PS



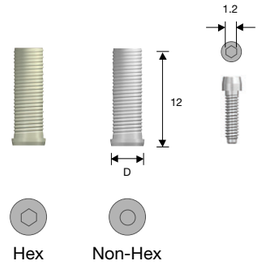
Type \ D	ø 5.5
Hex	TNCW200
Non-Hex	TNCW100
Ti Screw	ASR200

UCLA Plastic Abutment - Screw or Cement Retained Rstoration

- Use for cases with path and aesthetic and spatial constraints
- After customization, dental alloy (gold, non-precious metal) is used for casting
- Lower precision in the joints compared to UCLA Gold Abutments
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30Ncm

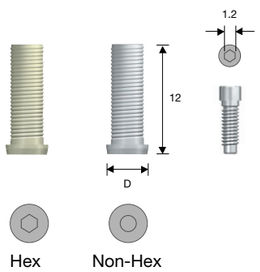
Order code - Abutment + Ti Screw : Product Code + TH (ex : PSR200TH)

Mini



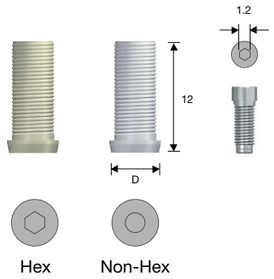
Type \ D	ø 4.0
Hex	PSM200
Non-Hex	PSM100
Ti Screw	USABSMT

Regular



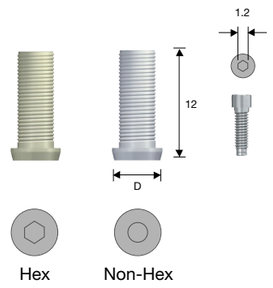
Type \ D	ø 4.5
Hex	PSR200
Non-Hex	PSR100
Ti Screw	ASR200

Wide



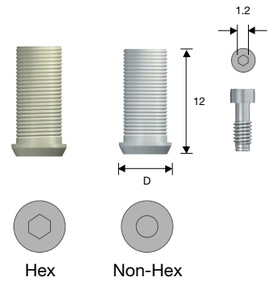
Type \ D	ø 5.5
Hex	PSW200
Non-Hex	PSW100
Ti Screw	ASW200

Wide PS



Type \ D	ø 5.5
Hex	TPSW200
Non-Hex	TPSW100
Ti Screw	ASR200

R-Type



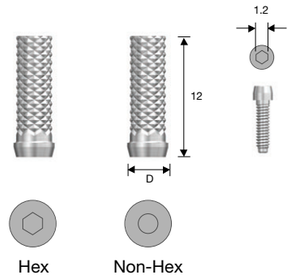
Type \ D	ø 5.5
Hex	RPSW200
Non-Hex	RPSW100
Ti Screw	RASW200

UCLA Temporary Abutment - Temporary Restoration

- Use to make temporary prothesis (material : Ti Gr-3)
- Easy to customize, designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 15Ncm

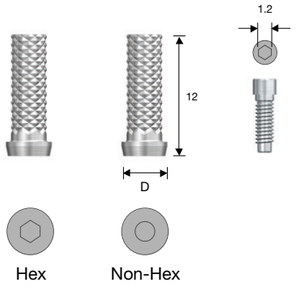
Order code - Abutment + Ti Screw : Product Code + TH (ex : TAR200TH)

Mini



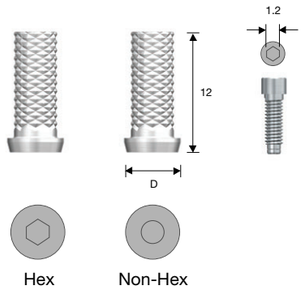
Type \ D	ø 4.0
Hex	TAM200
Non-Hex	TAM100
Ti Screw	USABSMT

Regular



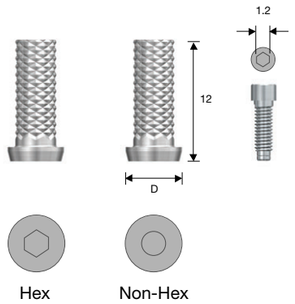
Type \ D	ø 4.5
Hex	TAR200
Non-Hex	TAR100
Ti Screw	ASR200

Wide



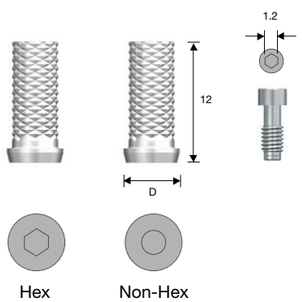
Type \ D	ø 5.5
Hex	TAW200
Non-Hex	TAW100
Ti Screw	ASW200

Wide PS



Type \ D	ø 5.5
Hex	TTAW200
Non-Hex	TTAW100
Ti Screw	ASR200

R-Type

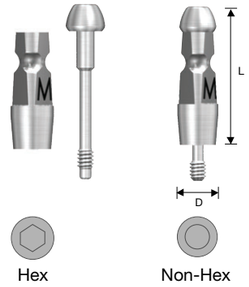


Type \ D	ø 5.5
Hex	RTAW200
Non-Hex	RTAW100
Ti Screw	RASW200

Fixture Transfer Impression Coping

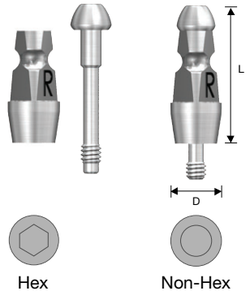
- Transfer type for taking an impression using a ready-made tray
- Triangular arc (▽) design improves markability following impression
- Long and short types enhance convenience
- The hex type is designed as a two-piece, and the non-hex type, as a one-piece
- Packing unit : Impression Coping body + Guide Pin (Hex)
  Impression Coping (Non-Hex)

Mini



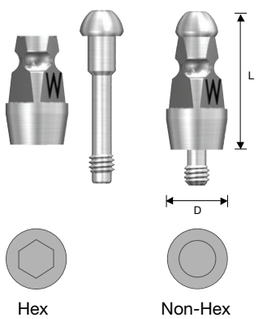
Type \ D			ø 4.0
L	13.5	Hex	ICPM402L
		Non-Hex	ICPM401L
	10.5	Hex	ICPM402S
		Non-Hex	ICPM401S

Regular



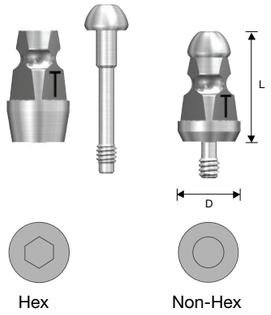
Type \ D			ø 5.0
L	13.5	Hex	ICPR502L
		Non-Hex	ICPR501L
	10.5	Hex	ICPR502S
		Non-Hex	ICPR501S

Wide



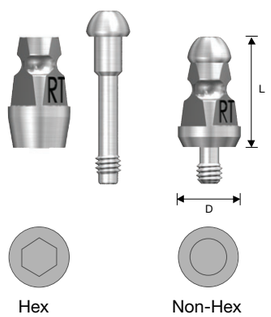
Type \ D			ø 6.0
L	13.5	Hex	ICPW602L
		Non-Hex	ICPW601L
	10.5	Hex	ICPW602S
		Non-Hex	ICPW601S

Wide PS



Type		D	ø 6.0
L	13.5	Hex	TICPW602
	10.5	Non-Hex	TICPW601

R-Type

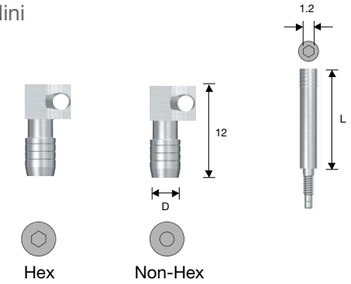


Type		D	ø 6.0
L	13.5	Hex	RICPW602
	10.5	Non-Hex	RICPW601

Fixture Pick-Up Impression Coping - Long

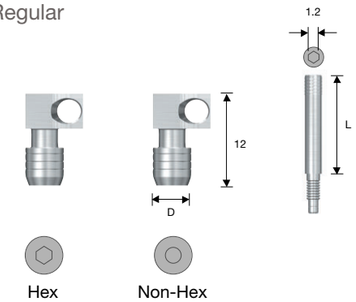
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (▱)
- Long and short types enhance convenience
- Packing unit : Impression Coping body + Guide Pin

Mini



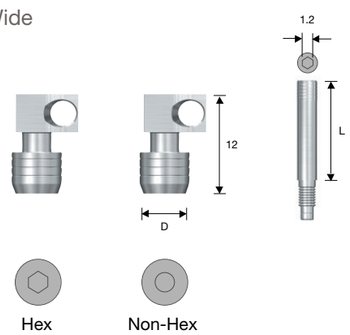
Type	D	ø 4.0
Hex		ICFM400
Non-Hex		ICFM400N
Guide Pin (L)	10	-
	15	CSM150
	17	-

Regular



Type	D	ø 5.0	ø 6.0
Hex		ICFR500	ICFR600
Non-Hex		ICFR500N	ICFR600N
Guide Pin (L)	10	CSR100	
	15	CSR150*	
	17	CSR170	

Wide

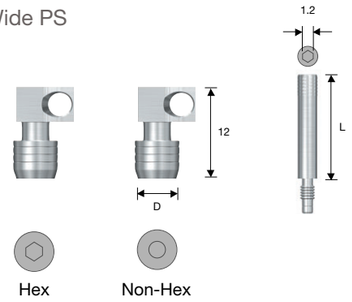


Type	D	ø 6.0
Hex		ICFW600
Non-Hex		ICFW600N
Guide Pin (L)	10	CSW100
	15	CSW150*
	17	-

Fixture Pick-Up Impression Coping - **Short**

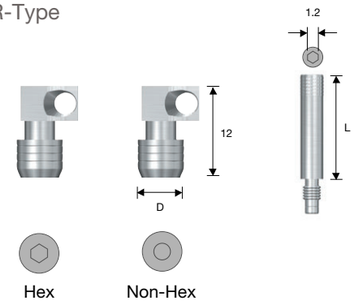
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (▱)
- Long and short types enhance convenience
- Packing unit : Impression Coping body + Guide Pin

Wide PS



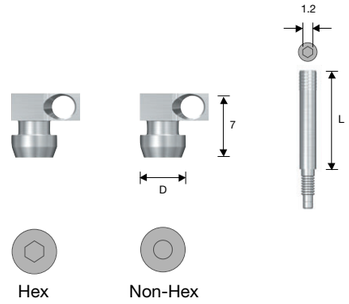
Type \ D		ø 6.0
Hex		TICFW600
Non-Hex		TICFW600N
Guide Pin (L)	10	-
	15	TCSW150
	17	-

R-Type



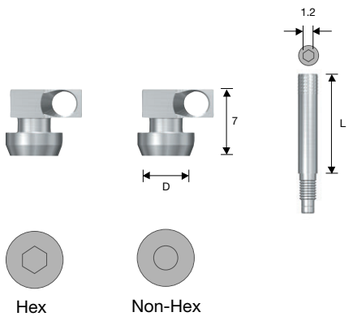
Type \ D		ø 6.0
Hex		RICFW600
Non-Hex		RICFW600N
Guide Pin (L)	10	-
	15	RCSW150
	17	-

Regular



Type \ D		ø 5.0
Hex		ICSR500
Non-Hex		ICSR500N
Guide Pin (L)	10	CSR100*
	15	CSR150
	17	CSR170

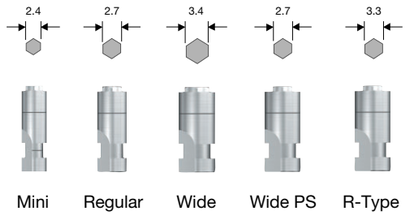
Wide



Type \ D		ø 6.0
Hex		ICSW600
Non-Hex		ICSW600N
Guide Pin (L)	10	CSW100*
	15	CSW150
	17	-

US SYSTEM

Fixture Lab Analog



Mini	FAM300
Regular	FAR300
Wide	FAW300
Wide PS	TFAW300
R-Type	RFAW300

- Oral fixtures are built on the working model
- Packing unit : Lab analog

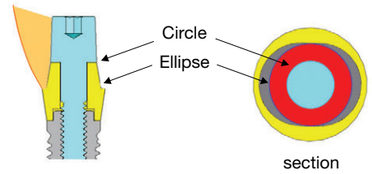
UCLA Polishing Protector

Mini	UPCM100
Regular	UPCR100
Wide	UPCW100
Wide PS	TUPCW100
R-Type	RUPCW100

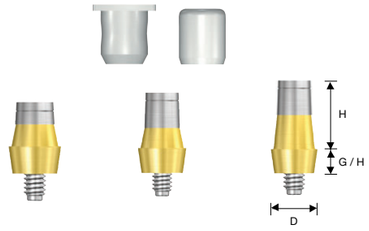
- For polishing upon prosthetic casting, use to avoid damaging the cylinder joint
- Packing unit : Polishing protector

Safe Abutment - Cement Retained Restoration

- Use for making single prosthesis to prevent screw loosening
- Oval-shaped abutment body prevents prosthesis rotation
- Screw loosening is prevented, since screws are fixed to the prosthesis
- Gingival gold color for aesthetic effect
- Use a 1.2 hex driver
- Packing unit : Abutment + Ti screw + carrier cap + protect cap
- Tightening torque : 30 Ncm

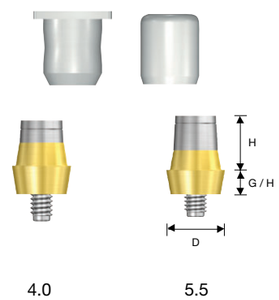


Regular



H	G/H \ D	ø 4.8
4.0	1.0	SFAR514SC
	2.5	SFAR524SC
	4.0	SFAR544SC
5.5	1.0	SFAR515SC
	2.5	SFAR525SC
	4.0	SFAR545SC
7.0	1.0	SFAR517SC
	2.5	SFAR527SC
	4.0	SFAR547SC

Wide

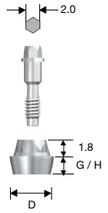


H	G/H \ D	ø 6.0
4.0	1.0	SFAW614SC
	2.5	SFAW624SC
	4.0	SFAW644SC
5.5	1.0	SFAW615SC
	2.5	SFAW625SC
	4.0	SFAW645SC
7.0	1.0	-
	2.5	-
	4.0	-

Esthetic Abutment Components

Esthetic Abutment - Screw Retained Restoration

Regular



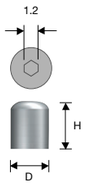
GH \ D	ø 4.8
1.0	EAR100
2.0	EAR200
3.0	EAR300
4.0	EAR400

- Use for making aesthetic screw-retained prosthesis
- Designed to make the prosthesis onto a cylinder following abutment connection in the oral cavity
- Maximum path compensation of 30°
- Use a 2.0 internal hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : EAR200TH)

Esthetic Healing Cap

Regular

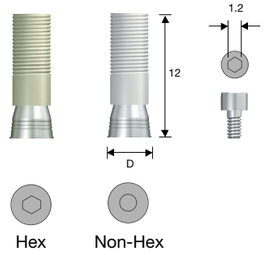


H \ D	ø 4.8
6.0	EHC100

- Use for the protection of aesthetic abutments in the oral cavity and to minimize the patient's discomfort
- Use a 1.2 hex driver
- Packing unit : Healing cap
- Tightening torque : 20 Ncm

Esthetic Gold Cylinder

Regular



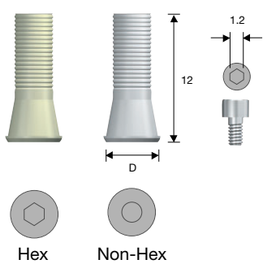
Type \ D	ø 4.8
Hex	EGC200
Non- Hex	EGC100
Ti Screw	TS200*

- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of cylinder (Au, Pt, Pd Alloy): 1400 - 1450°C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + TI screw : Product code + TH (ex : EGC200TH)

Esthetic Plastic Cylinder

Regular



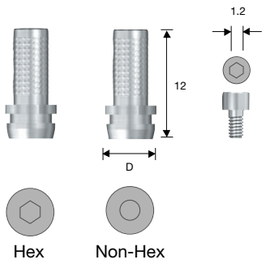
Type \ D	ø 4.8
Hex	EPS200
Non-Hex	EPS100
Ti Screw	TS200

- After customization, dental alloy (gold, non-precious metal) is used for casting
- The precision of the connection part is lower compared to gold cylinders
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20Ncm

Order code - Cylinder + Ti screw : Product code + TH (ex : EPS200TH)

Esthetic Temporary Cylinder

Regular



Type \ D	ø 4.8
Hex	ETT200
Non-Hex	ETT100
Ti Screw	TS200

- Use for creating temporary prosthesis for aesthetic abutments (material : Ti Gr-3)
- Easy to customize : designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 15Ncm

Order code - Cylinder + Ti screw : Product code + TH (ex : ETT200TH)

Esthetic Transfer Impression Coping

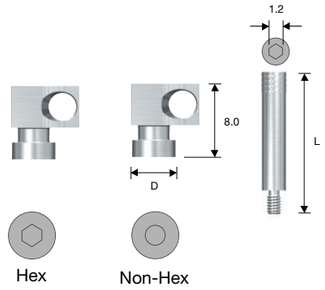
Regular

H \ D	ø 4.8
8.0	ETR100

- Preliminary impression copings exclusively for aesthetic abutments
- Transfer type for taking an impression using a ready-made tray
- Packing unit : Impression coping

Esthetic Pick-up Impression Coping

Regular



Type \ D		ø 4.8
Hex		ESR200
Non-Hex		ESR100
Guide Pin (L)	10	GP100
	15	GP150*
	17	GP170
	20	GP200

- Final impression copings exclusively for aesthetic abutments
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (▱)
- Packing unit : Impression coping body + Guide Pin

Esthetic Lab Analog

Regular

Regular	ERR300

- Make aesthetic oral abutments on the working modek
- Packing unit : Lab analog

Esthetic Polishing Protector

Regular

Regular	EPCR100

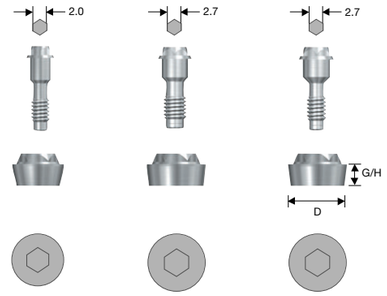
- For polishing upon prosthetic casting, use to avoid damaging the cylinder joint
- Packing unit : Polishing protector

Esthetic-low Abutment Components

Esthetic-low Abutment

- Screw Retained Restoration

Regular Wide Wide PS



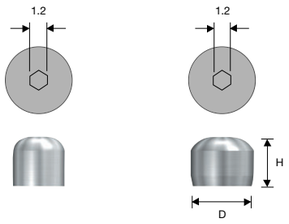
G/H \ D	Regular ø 4.8	Wide ø 5.5	Wide PS ø 5.5
1.0	MER100	MEW100	TMEW100
2.0	MER200	MEW200	TMEW200
3.0	MER300	MEW300	TMEW300
4.0	MER400	MEW400	TMEW400

- Use in case of small gap with antagonist teeth due to the smaller height compared to aesthetic abutments
- Maximum path compensation of 48˚
- Use 2.0 (regular) and 2.7 (wide) internal hex drivers
- Packing unit : Abutment + Ti screw
- Tightening torque : 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : MER200TH)

Esthetic-low Healing Cap

Regular Wide I Wide PS

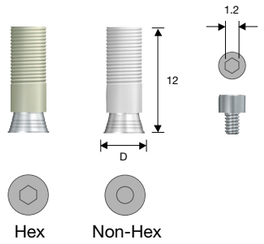


H \ D	Regular ø 4.8	Wide I Wide PS ø 6.0
4.6	MHCR100	MHCW100

- Use for the protection of aesthetic low abutments in the oral cavity and to minimize the patient's discomfort
- Use a 1.2 hex driver
- Packing unit : Healing cap
- Tightening torque : 20 Ncm

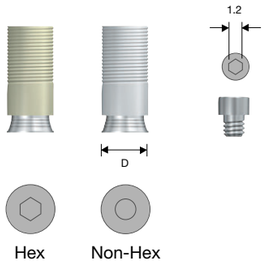
Esthetic-low Gold Cylinder

Regular



Type \ D	Regular
Hex	MGR200
Non-Hex	MGR100
Ti Screw	MTS200

Wide I Wide PS



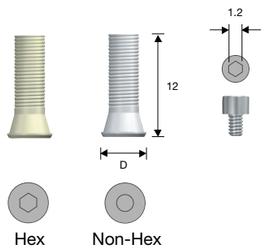
Type \ D	Wide	Wide PS
Hex	ø 5.5	
Non-Hex	MGW200	
Ti Screw	MGW100	
	WTS200	

- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of cylinder (Au, Pt, Pd Alloy) : 1400 - 1450˚C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product code + TH(ex : MGR200TH)

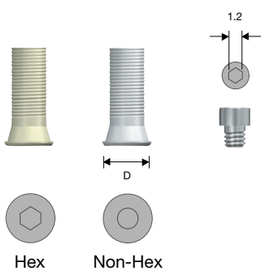
Esthetic-low Plastic Cylinder

Regular



Type \ D	Regular
Hex	MEPR200
Non-Hex	MEPR100
Ti Screw	MTS200

Wide I Wide PS



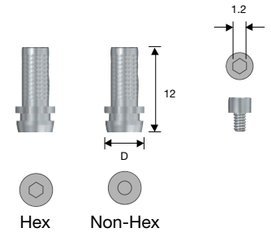
Type \ D	Wide	Wide PS
Hex	ø 5.5	
Non-Hex	MEPW200	
Ti Screw	MEPW100	
	WTS200	

- After customization, dental alloy (gold, non-precious metal) is used for casting
- The precision of the connection part is lower compared to gold cylinders
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product code + TH (ex : MEPR200TH)

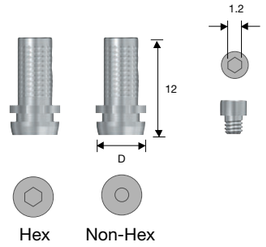
Esthetic-low Temporary Cylinder

Regular



Type \ D	Regular
Hex	MTR200
Non-Hex	MTR100
Ti Screw	MTS200

Wide I Wide PS



Type \ D	Wide	Wide PS
Hex	ø 6.0	
Non-Hex	MTW200	
Ti Screw	MTW100	
	WTS200	

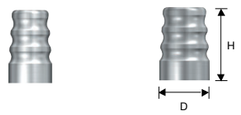
- Use for creating temporary prosthesis for aesthetic low abutments (material : Ti Gr-3)
- Easy to customize : designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 15Ncm

Order code - Cylinder + Ti Screw : Product Code + TH (ex : MTR200TH)

Esthetic-low Transfer Impression Coping

Regular

Wide I Wide PS



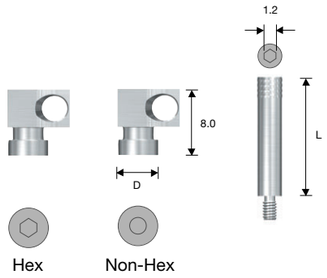
H \ D	Regular	Wide	Wide PS
	ø 4.8	ø 5.5	
8.0	MTTR100	MTTW100	

- Preliminary impression copings exclusively for aesthetic low abutments
- Transfer type for taking an impression using a ready-made tray
- Packing unit : Impression coping

US SYSTEM

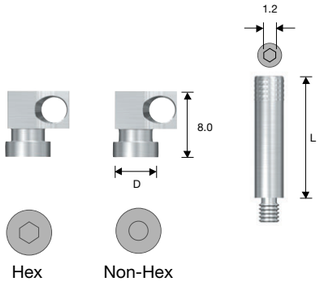
Esthetic-low Pick-up Impression Coping

Regular



Type \ D		Regular ø 4.8
Hex		MSR200
Non-Hex		MSR100
Guide Pin (L)	10	GP100
	15	GP150*
	17	GP170
	20	GP200

Wide I Wide PS



Type \ D		Wide ø 5.5	Wide PS ø 5.5
Hex		MSW200	
Non-Hex		MSW100	
Guide Pin (L)	10	GPW100	
	15	GPW150*	
	17	-	
	20	-	

- Final impression copings exclusively for aesthetic low abutments
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference (⬭)
- Packing unit : Impression coping body + Guide Pin

Esthetic-low Lab Analog

Regular Wide I Wide PS

Regular	MERR300
Wide I Wide PS	MERW300

- Make aesthetic oral abutments on the working model
- Packing unit : Lab analog

Esthetic-low Polishing Protector

Regular Wide

Regular	MPCR100
Wide I Wide PS	MPCW100

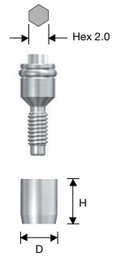
- For polishing upon prosthetic casting, use to avoid damaging the cylinder joint
- Packing unit : Polishing protector

Standard Abutment Components

Standard Abutment

- Screw Retained Restoration

Regular



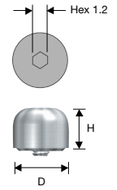
H \ D	ø 4.5
3.0	SAR300
4.0	SAR400
5.5	SAR550
7.0	SAR700
8.5	SAR850

- Use for making a hybrid denture or a bridge requiring hygiene control
- More advantageousfor oral hygiene due to the design of the prosthesis for the upper gingiva
- Use a 2.0 internal hex driver
- Packing unit : Abutment + Ti screw
- Tightening torque : 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : SAR300TH)

Standard Healing Cap

Regular

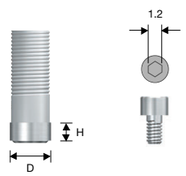


H \ D	ø 4.5
3.5	SHC100

- Use for the protection of standard abutments in the oral cavity and to minimize the patient's discomfort
- Use a 1.2 hex driver
- Packing unit : Healing cap
- Tightening torque : 20 Ncm

Standard Gold Cylinder

Regular



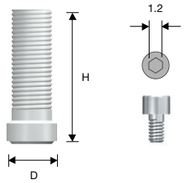
H \ D	ø 4.5
1.0	SGC300
2.0	SGC400
Ti Screw	TS200

- After customization, be sure to use only dental gold alloy for casting to make the prosthesis
- Melting point range of cylinder (Au, Pt, Pd Alloy) : 1400 - 1450°C (use of non-precious metal alloy for casting prohibited)
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product code + TH(ex : SGC300TH)

Standard Plastic Cylinder

Regular



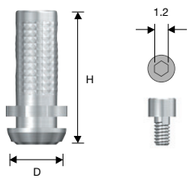
H \ D	ø 4.5
12	SPS100
Ti Screw	TS200

- After customization, dental alloy (gold, non-precious metal) is used for casting
- The precision of the connection part is lower compared to gold cylinders
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 20 Ncm

Order code - Cylinder + Ti screw : Product code + TH (ex : SPS100TH)

Standard Temporary Cylinder

Regular



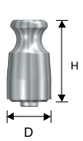
H \ D	ø 5.3
12	STT100
Ti Screw	TS200

- Use for creating temporary prosthesis for standard abutments (material : Ti Gr-3)
- Easy to customize : designed to minimize indication constraints
- Use a 1.2 hex driver
- Packing unit : Cylinder + Ti screw
- Tightening torque : 15Ncm

Order code - Cylinder + Ti Screw : Product Code + TH (ex : STT100TH)

Standard Transfer Impression Coping

Regular

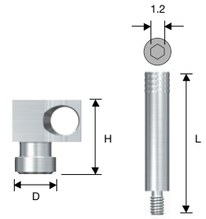


H \ D	ø 4.5
8.0	STR100

- Preliminary impression copings exclusively for standard abutments
- Transfer type for taking an impression using a ready-made tray
- Packing unit : Impression coping

Standard Pick-up Impression Coping

Regular



H \ D		ø 4.5
8.0		SSR100
Guide Pin (L)	10	GP100
	15	GP150*
	17	GP170
	20	GP200

- Final impression copings exclusively for standard abutments
- Pick-up type for taking an impression using a customized tray
- Impression coping designed with Hole-in-one ; no need for resin fixation
- Asymmetrical structure minimizing contact interference ( )
- Packing unit : Impression coping body + Guide Pin

Standard Lab Analog

Regular

Regular	SRR300

- Make aesthetic oral abutments on the working model
- Packing unit : Lab analog

Standard Polishing Protector

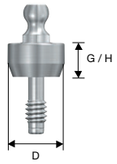
Regular

Regular	SPCR100

- For polishing upon prosthetic casting, use to avoid damaging the cylinder joint
- Packing unit : Polishing protector

O-ring System

O-ring Abutment
Overdenture Restoration



G/H \ D	ø 5.0
2.0	OAA200
3.0	OAA300
4.0	OAA400
5.0	OAA500
6.0	OAA600

- Packing unit : Only abutment

O-ring Retainer Cap Set

Code	RCS01

- Packing unit : Retainer cap + O-ring

O-ring Retainer Set

Code	RS01

- More advantageous for smaller occlusal gap compared to a retainer cap
- Packing unit : Retainer + O-ring

O-ring Set

Code	OAON01S

- Packing unit : O-ring 5 piece

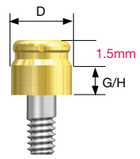
O-ring Lab Analog

Code	OAL

- Make oral O-ring abutments on the working model
- Packing unit : Lab analog

LOCATOR® Components

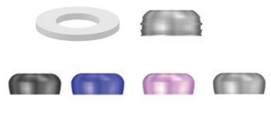
HU LOCATOR® Abutment
Overdenture Restoration



G/H \ D	ø 3.5	ø 4.0
1	HULCA3510M	HULCA4010R
2	HULCA3520M	HULCA4020R
3	HULCA3530M	HULCA4030R
4	HULCA3540M	HULCA4040R
5	HULCA3550M	HULCA4050R

- Packing unit : Locator abutment
- Stable dual retention & optimal holding capabilities against various retention forces (6N, 12N, 22N)
- Excellent durability
- Possible denture restorations even at small vertical dimension
- Accommodate up to 40° divergence between two implants
- Retention males can be easily placed & removed with core tool
- Tightening torque : 30Ncm
- Can be used in US system & HU system

LOCATOR® Male Processing Kit



Code	LMPS

- Packing Unit : Locator Male Processing Kit (2 Set)
- Consist of
  -Block out Spacer/Denture Cap connected Black Processing Male
  -Replacement Male Blue/Pink/Clear
- Male Change by Locator Core Tool

LOCATOR® Replacement Male

Code	LRM06S

- Packing Unit : Blue Replacement Male (4ea)
- retention Force : about 6N
- 0°~20° divergence (between two implants)

Code	LRM12S

- Packing Unit : Pink Replacement Male (4ea)
- retention Force : about 12N
- 0°~20° divergence (between two implants)

Code	LRM22S

- Packing Unit : clear Replacement Male (4ea)
- retention Force : about 22N
- 0°~20° divergence (between two implants)

LOCATOR® Extended Replacement Male

Code	LEM06S

- Packing Unit : Red Extended Replacement Male (4ea)
- retention Force : about 6N
- 20°~40° divergence (between two implants)

Code	LEM12S

- Packing Unit : Green Extended Replacement Male (4ea)
- retention Force : about 12N
- 20°~40° divergence (between two implants)

LOCATOR® Black Processing Male

Code	LBPS

- Packing Unit : black processing Male (4ea)
- for lab. process

LOCATOR® Block out spacers

Code	LBSS

- Packing Unit : Locator Block out spacers (20ea)
- For Space Sealing between Locator Abutment & Denture Cap

LOCATOR® Impression Coping

Code	LICS

- Packing Unit : Locator Impression Coping (4ea)
- For Abutment level impression

LOCATOR® lab Analog

Code	LAL40S
	LAL50S

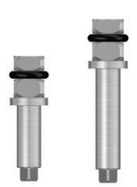
- Packing Unit : Locator lab Analog (4ea)

LOCATOR® Core Tool

Code	LCCT

- Packing Unit : Locator Core Tool
- foe handling of locator system

LOCATOR® Torque Driver



Type	Short	Long
Code	TWLDS	TWLDL

- Packing Unit : Locator Torque Driver
- For tightening of Locator Abutment
- Select the Short/Long length

OSSTEM IMPLANT

MS Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

MS Implant System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

Contents | OSSTEM IMPLANT

OSSTEM HISTORY

2012
- Nov Hosts 'OSSTEM ATC Forum 2012 Seoul'
- Jul Registers and obtains approval from FDA in Mexico
  Established OSSTEM Dental Equipment Research Institute
- Jun Develops and begins commercial production of TSIII CA
  Develops and begins commercial production of ESSET Kit for Ridge Split
- May Develops and begins commercial production of MS SA
- Apr Hosts 'OSSTEM World Meeting 2012 Taipei'
  Develops and begins commercial production of TSIII BA
  Registers and obtains approval from Ministry of Health in Indonesia
  Develops and begins commercial production of USIII SA
- Mar Develops and begins commercial production of USIII SA
  Develops and begins commercial production of SSIII HA
  Registers and obtains approval from Ministry of Health and Welfare in Kazakhstan

2011
- Dec Introduces and commences commercial production of K2 Unit & Chair
- Nov Develops and begins commercial production of Smart Membrane
- Oct Registers and obtains approval from Health Canada
  Develops and begins commercial production of USII SA and 123 Kit
- Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
  Develops and begins commercial production of SSIII SA
  Registers and obtains approval from the Ministry of Health and Society in Vietnam
- Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
- Jul Develops and begins commercial production of CustomFit Abutment
  Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
- Jun Develops and begins commercial production of TSII SA
  Hosts 'OSSTEM World Meeting 2011 in Seoul'
- Apr Develops and begins commercial production of LAS Kit
  Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
- Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
- Feb Develops and begins commercial production of TSIV SA

2010
- Nov Develops and begins commercial productions of SSII SA
- Aug Develops and begins commercial productions of TSIII Ultra-wide
- Jun Develops and begins commercial productions of TSIII HA and CAS Kit
  Opens 'OSSTEM World Meeting 2010 in Beijing'
- Apr Develops and begins commercial productions of Osstem Guide
- Mar Develops and begins commercial productions of TSIII SA

2009
- Oct Registers and obtains approval from Health, Labor and Welfare in Japan
- May Hosts 'OSSTEM World Meeting 2009 in Bangkok'
- Jan Certifies PEP7 (the world's first new Osseo-inductive compound)

2008
- Nov Develops and begins commercial productions of SS Ultra-wide
- Jun Develops and begins commercial productions of GSIII
- Apr Holds 'OSSTEM World Meeting 2008 in Seou'

2008
- Mar Opens ATC Training Center
- Jan Establishes OSSTEM Bone Science Institute

2007
- Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
- Jun Registers and obtains approval from the TGA in Australia
- May Develops and begins commercial production of US Ultra-wide
- Apr Hosts 'OSSTEM World Meeting 2007 in Seoul'
  Begins commercial production of V-ceph
- Mar Develops and begins commercial production of MS
  Lists on KOSDAQ (KRX: Korea Exchange)

2006
- Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
  Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
- Nov Registers and obtains approval from the SFDA in China
- Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
- Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
- Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
- Apr Registers and obtains the GOST-R certification in Russia
  Opens 'OSSTEM World Meeting 2006 in Seoul'
  Publishes the 「2006 OSSTEM IMPLANT SYSTEM」- Introduction and particulars of implant system
- Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005
- Dec Registers and obtains approval by the DOH in Taiwan
  Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
- May Develops and begins commercial production of GSII
- Apr Hosts 'OSSTEM World Meeting 2005 in Seoul'
- Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
- Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004
- Nov Develops and begins commercial production of SSIII
- Jul Develops and begins commercial production of USIII
- Apr Opens 'OSSTEM World Meeting 2004 in Seou'

2002
- Oct Develops and begins commercial production of SSII
- Aug Registers and obtains approval by the FDA in the USA
  Develops and begins commercial production of USII
- Jan Establishes OSSTEM Implant R&D Center

2001
- Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
- Jan Obtains CE-0434 certification

1999
- Dec Obtains ISO-9001 certification

1997
- Dec Begins commercial production under the brand name of OSSTEM
- Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

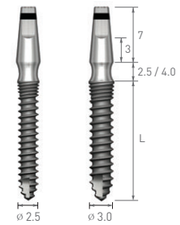
1995
- Develops dental implants and acquires industrial license

1992
- Initiates the development of dental implant system

OSSTEM Implant System Flow

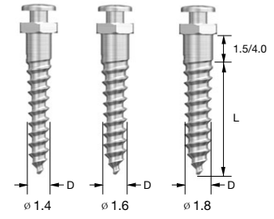
MS Implant		Orthodontic Screw	
Narrow ridge	• Implant adequate for narrow space such as the mandibular anterior jaw • Fixture and abutment in one enabling support against masticatory pressure; micro thread design enhances the distribution of masticatory force	Orthodontic Screw	• Good Initial Stability • Excellent Self Drilling & Tapping Function • Good Feeling of Screw Implantation • Enhanced Body Strength • Small Head Size • Simple Gingival Shape
Provisional	• Implant to be used for the immediate mounting of temporary prosthesis for completely or partially edentulous patients • Neck designed for path compensation and intensity support		
Denture	• Denture-type implant to be used in case of small bone width for edentulous patients or if regular implant is inappropriate • Micro thread on top helps distribute masticatory pressure to the alveolar bone; more advantageous for immediate prosthetic mounting		

(Narrow ridge)



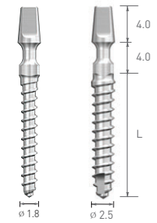
L: 10 11.5 13 15

(Simple Head)



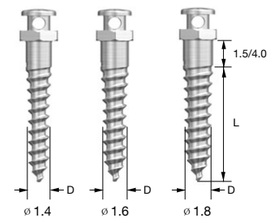
L: 6 8 10

(Provisional)



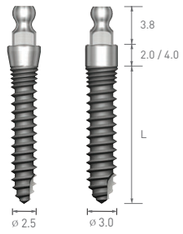
L: 10 13 15

(Through Hole)



L: 6 8 10

(Denture)

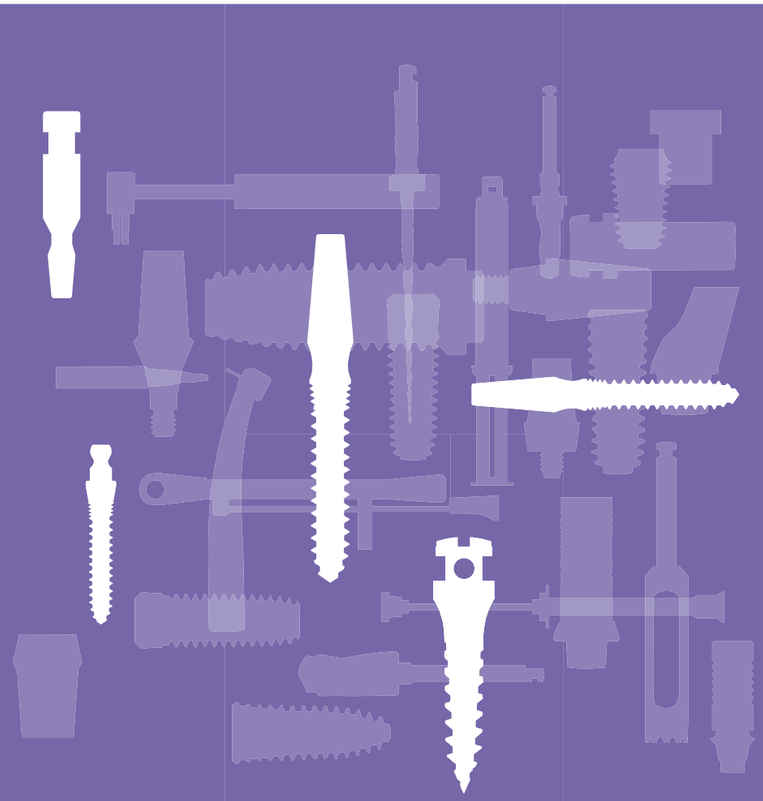


L: 10 11.5 13 15

OSSTEM IMPLANT SYSTEM

MS SYSTEM

Fixture and **Restorative Components**



MS SYSTEM

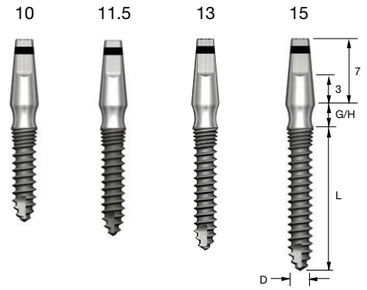
EARLY & **ESTHETIC**
OSSTEM IMPLANT

MS Implant Components

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

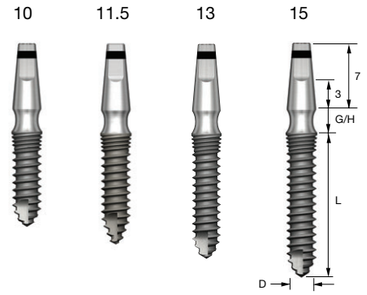
MS Implant (Narrow ridge)

ø 2.5



D	ø 2.5	
L \ G/H	2.5	4.0
10	MSP25103R	MSP25104R
11.5	MSP25113R	MSP25114R
13	MSP25133R	MSP25134R
15	MSP25153R	MSP25154R

ø 3.0



D	ø 3.0	
L \ G/H	2.5	4.0
10	MSP30103R	MSP30104R
11.5	MSP30113R	MSP30114R
13	MSP30133R	MSP30134R
15	MSP30153R	MSP30154R

- Implant adequate for narrow space such as the mandibular anterior jaw
- Fixture and abutment in one enabling support against masticatory pressure; micro thread design enhances the distribution of masticatory force
- RBM surface design for quick osseointegration
- Optimized shape and size of abutment enabling cutting-free prosthetic work
- Optimal design of body, thread, and drilling to enhance initial boding and bone penetration
- Packing unit : MS Implant (Narrow ridge)
- Recommended torque : 30Ncm

Impression Coping (Narrow ridge)

Code	MSPIC

- Use for precise impression work
- In case of non-modification of abutments : after taking an impression using an impression cap, make the prosthesis after creating a model using an analog
- In case of modification of abutment height only: after taking an impression using an impression cap, create a model using an analog and make the prosthesis by modifying the model shape according to the modification of abutment
- Packing unit : Impression Coping

Temporary Cap (Narrow ridge)

Code	MSPTC

- Use for making temporary prosthesis
- One-touch locking design
- Packing unit : Temporary Cap (Narrow ridge)

Lab Analog (Narrow ridge)

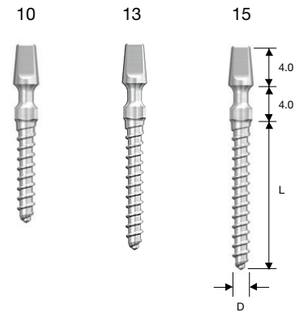
Code	MSPLA

- Make an MS Implant (narrow ridge) abutment of the oral cavity onto a working model
- Packing unit : Lab Analog

MS SYSTEM

MS Implant (Provisional)

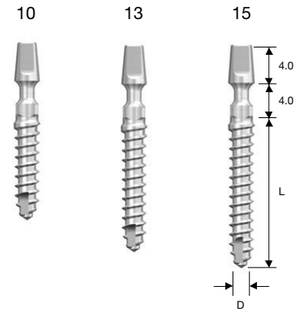
ø 1.8



L \ D	ø 1.8
10	MST18104
13	MST18134
15	MST18154

- Recommended torque : 25Ncm

ø 2.5



L \ D	ø 2.5
10	MST25104
13	MST25134
15	MST25154

- Implant to be used for the immediate mounting of temporary prosthesis for completely or partially edentulous patients
- Neck designed for path compensation and intensity support
- Simple system to make temporary prosthesis using titanium provisional caps and lab analogs
- Provisional cap facilitating prosthetic work on the chairside
- Rectangular structure to connect a driver to the bottom of the neck, thereby facilitating removal
- Optimized design of body, thread, and drilling to enhance initial bonding and bone penetration
- Packing unit : MS Implant (Provisional)
- Recommended torque : 30Ncm

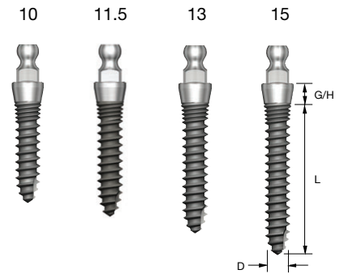
Lab Analog (Provisional)

Code	MSTLA

- Make an MS Implant (provisional) abutment of the oral cavity on a working model
- Packing unit : Lab Analog

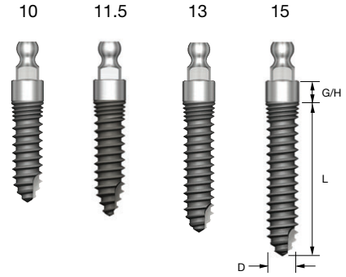
MS Implant (Denture)

ø 2.5



D	ø 2.5	
L \ G/H	2.0	4.0
10	MSD25102R	MSD25104R
11.5	MSD25112R	MSD25114R
13	MSD25132R	MSD25134R
15	MSD25152R	MSD25154R

ø 3.0



D	ø 3.0	
L \ G/H	2.0	4.0
10	MSD30102R	MSD30104R
11.5	MSD30112R	MSD30114R
13	MSD30132R	MSD30134R
15	MSD30152R	MSD30154R

- Denture-type implant to be used in case of small bone width for edentulous patients or if regular implant is inappropriate
- Micro thread on top helps distribute masticatory pressure to the alveolar bone; more advantageous for immediate prosthetic mounting
- Easy and convenient denture work through the possible use of retainer and lab analogs
- Ball-type structure for the connection of the O-ring attachment
- Use by selecting 2/4mm depending on the gingival height
- Packing unit : MS Implant (Denture)
- Recommended torque : 30Ncm

O-ring Retainer Cap Set

Name	Code
O-ring Retainer cap set	RCS01
O-ring set	OAON01S

- Use for making stud-type overdenture
- Packing unit : Retainer Cap+ O-ring

Lab Analog (Denture)

Code	MSDLA

- Make an MS Implant (denture) abutment of the oral cavity on a working model
- Packing unit : Lab Analog

MS KIT

Code	OMSK

- **MS Implant KIT**

- **KIT Components (basic)**
  5-drill set
  - ø 1.5mm Lance Drill
  - ø 1.8mm Twist Drill Long
  - ø 1.8mm Twist Drill Short
  - ø 2.3mm Twist Drill Long
  - ø 2.3mm Twist Drill Short

  2-Drivers for the Narrow Ridge and Provisional types
  - Machine Driver Long
  - Torque Driver Long

  2-Drivers for the Denture types
  - Machine Driver Short
  - Torque Driver Short

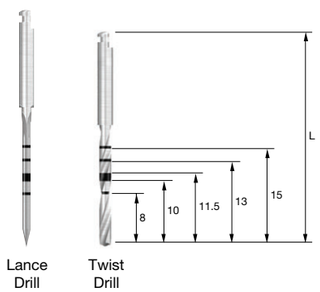
  1 set of 3 other types
  - Parallel Pin
  - Driver Separator
  - Depth Gauge

- **KIT Components (optional)**
  2-Drivers for the Narrow Ridge and Provisional types
  - Machine Driver Short
  - Torque Driver Short

  2-Drivers for the Denture types
  - Torque Driver Long

  1 set of 2 other types
  - Torque Handle
  - Torque Wrench

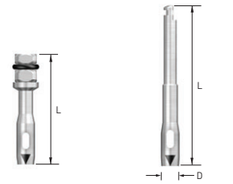
Drill for MS Implant



Name	D	L	Code
ø 1.5mm Lance Drill	ø 1.5	35	OSLD15
ø 1.8mm Twist Drill Long	ø 1.8	42	OSMSD18L
ø 1.8mm Twist Drill Short	ø 1.8	32	OSMSD18S
ø 2.3mm Twist Drill Long	ø 2.3	42	OSMSD23L
ø 2.3mm Twist Drill Short	ø 2.3	32	OSMSD23S
ø 2.5mm Twist Drill Long	ø 2.5	42	OSMSD25L
ø 2.5mm Twist Drill Short	ø 2.5	32	OSMSD25S

- Same specification as implant length for easy identification ; laser marking on 8/10/11.5/13/15mm For lance drilling, drilling only the cortical bone is recommended; enables drilling up to the laser marking line depending on the surgeon's work environment

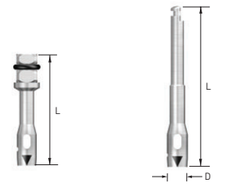
Driver for Narrow Ridge & Provisional Type



Name	D	L	Code
Torque Driver (Short)	ø 3.4	16.5	MSPTS
Torque Driver (Long)	ø 3.4	21.5	MSPTL
Machine Driver (Short)	ø 3.4	24.4	MSPMS
Machine Driver (Long)	ø 3.4	29.4	MSPML

- Special-purpose driver for MS Implant (Narrow Ridge and Provisional)
  The triangle mark is used by aligning with the implant cross section

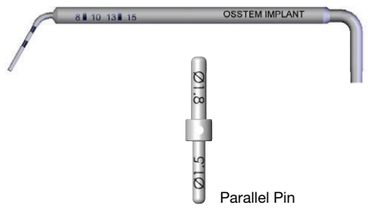
Driver for Denture type



Name	D	L	Code
Torque Driver (Short)	ø 3.8	13.5	MSDTS
Torque Driver (Long)	ø 3.8	18.5	MSDTL
Machine Driver	ø 3.8	21.4	MSDMS

- Special-purpose driver for MS Implant (denture)
  The triangle mark is used by aligning with the implant cross section

Gauge for MS Implant



Name	Code
Depth Gauge	MSDG
Parallel Pin	MSPP

- Depth gauge
  Left : For depth checking upon drilling
  Right : Use for MS implant bending
- The parallel pin is used for path checking upon drilling

Torque Handle

Code	MSTH

- Use for manual torque after connecting to the connected part of a torque driver

Driver Separator

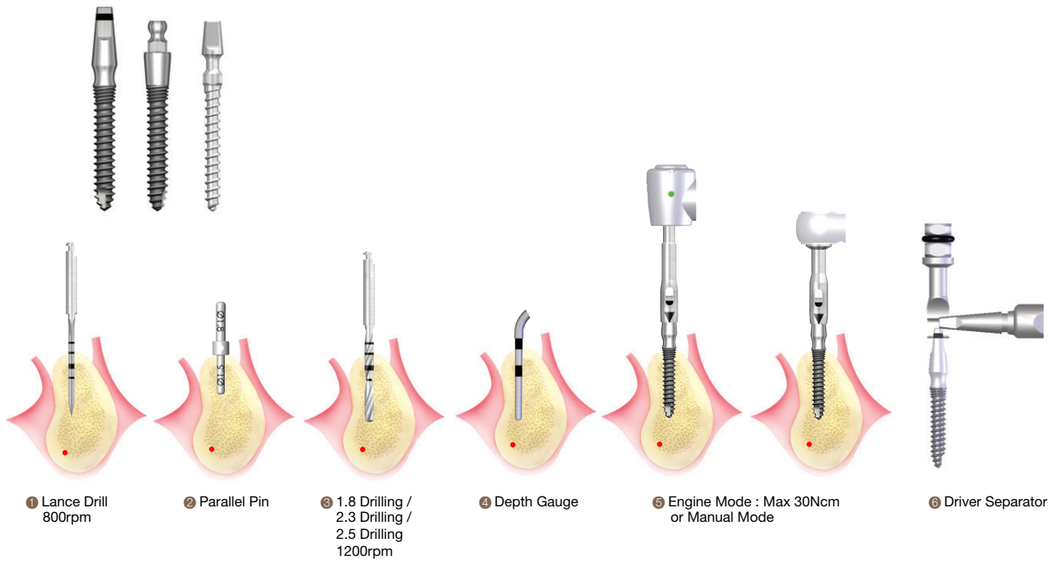
Code	MSDS

- In case a driver is stuck during grafting, separate based on the lever principle (inserting a driver separator into the driver groove)

Drilling Sequence for MS Implant

MS Fixture

ø 2.5mm / ø 3.0mm Fixture



❶ Lance Drill 800rpm

❷ Parallel Pin

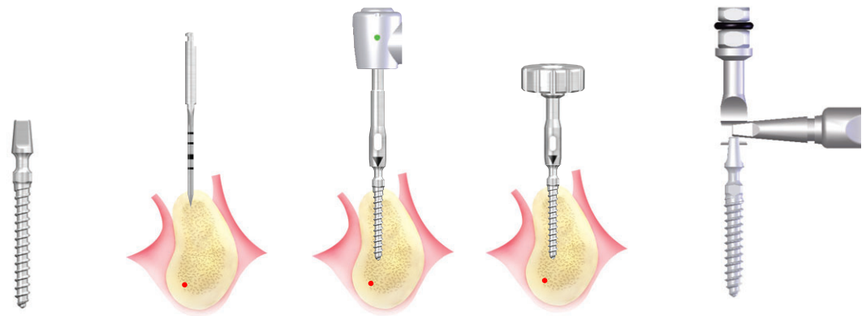
❸ 1.8 Drilling / 2.3 Drilling / 2.5 Drilling 1200rpm

❹ Depth Gauge

❺ Engine Mode : Max 30Ncm or Manual Mode

❻ Driver Separator

ø 1.8mm Fixture



❶ Lance Drill 800rpm Only cortical bone with irrigation

❷ Engine Mode : Max 30Ncm or Manual Mode

❸ Driver Separator

OSSTEM IMPLANT SYSTEM

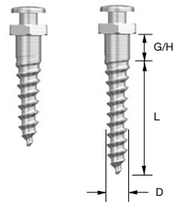
Orthodontic screw & **Bone screw**
Fixture and **Restorative Components**

ORTHODONTIC SCREW & BONE SCREW

Orthodontic Components

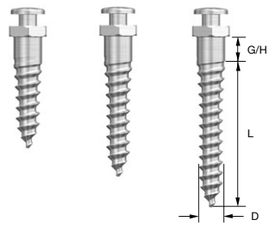
Orthodontic Screw (Simple Head)

ø 1.4



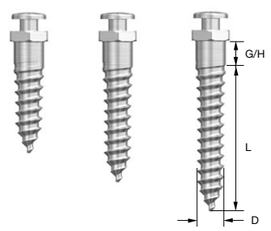
D	ø 1.4
L \ G/H	1.5
6	OSSH1406
8	OSSH1408

ø 1.6



D	ø 1.6
L \ G/H	1.5
6	OSSH1606
8	OSSH1608
10	OSSH1610

ø 1.8

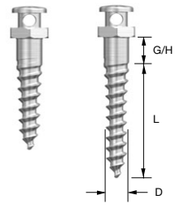


D	ø 1.8
L \ G/H	1.5
6	OSSH1806
8	OSSH1808
10	OSSH1810

- Machined Surface
- Material : Ti-6Al-4V

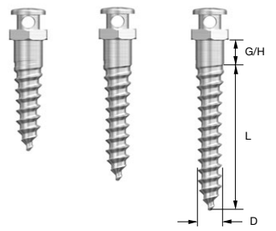
Orthodontic Screw (Through Hole)

ø 1.4



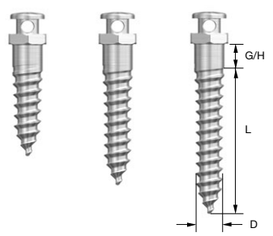
D	ø 1.4
L \ G/H	1.5
6	OSTH1406
8	OSTH1408

ø 1.6



D	ø 1.6
L \ G/H	1.5
6	OSTH1606
8	OSTH1608
10	OSTH1610

ø 1.8



D	ø 1.8
L \ G/H	1.5
6	OSTH1806
8	OSTH1808
10	OSTH1810

- Machined Surface
- Material : Ti-6Al-4V
- Through Hole size : ø 0.8

Ortho KIT

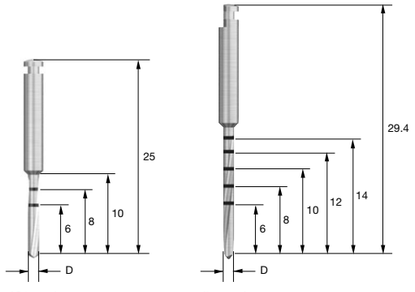
Code	OOKS

- **A surgical KIT for use an orthodontic treatment**

KIT Components (basic)

- **2-drill set**
  - ø 1.3 drill [Short]
  - ø 1.5 drill [Short]
- **3-driver set**
  - Driver tip [Hex type - long]
  - Machine driver [Hex type - short]
  - Hand driver [Hex type]
- **2-handle set**
  - Universal Handle
  - Driver Handle
- **KIT Components (optional)**
  - Driver tip [Hex type - short]
  - Machine driver [Hex type - long]
  - Hand drill
  - Driver separator
  - ø 1.3 drill [long]
  - ø 1.5 drill [long]

Drill



(Short) (Long)

D	ø 1.3	ø 1.5
Short	OSODR130S	OSODR150S
Long	OSODR130C	OSODR150C

- Laser marking has been appeared for 6, 8, 10, 12 and 14 mm.
- Recommendation drilling RPM : 800rpm
- For ø 1.6mm screw surgery, use ø 1.3mm drill and for ø 1.8mm screw surgery, use ø 1.5mm drill, respectively to drill only cortical bone or drill according to the length of an orthodontic screw.

Hand Drill

D	ø 1.3
Code	OSHDR130

- Use for only cortical bone drilling by coupling with the Universal handle
- Drill depth : 4mm
- Optional purchase

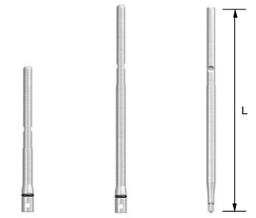
[Caution] Do not apply bending load with the hand drill

Universal Handle

Code	OUH

- Use after connecting with a driver tip
- Easy to use, the middle of the handle part has knurling treatment

Driver Tip



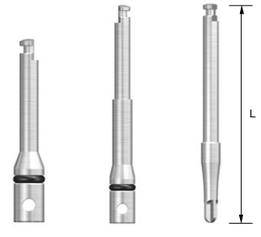
(Hex) (Hex) (Cross)

Type	Hex		Cross
	Short	Long	
L	48	70	69
Code	OSDTS	OSDT	OCDT

- Use for the placement of orthodontic screws by coupling with the universal handle
- Hex and cross types are available, use the hex type for applying torque, and the cross type for correcting the through hole path of the screw

(Caution) Do not apply excessive torque with the cross type driver

Machine Driver



(Hex) (Hex) (Cross)

Type	Hex		Cross
	Short	Long	
L	23.4	33.4	26.4
Code	OSMDA	OSMDB	OCMD

- Use for the orthodontic screw insertion or removal by connecting to the surgical engine
- Hex and cross types are available, use the hex type for applying torque, and the cross type for correcting the through hole path of the screw

(Caution) Do not apply excessive torque with the cross type driver

Driver Handle

Code	TIDHC

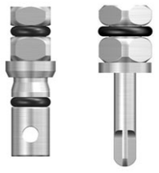
- Use for connecting a hand driver and for the manual tightening of screws

Hand Driver

Type	Hex	Cross
Code	OSTDA	OCHD

- Use for the orthodontic screw insertion or removal by connecting to a driver handle and torque wrench
- Hex and cross types are available, use the hex type for applying torque, and the cross type for correcting the through hole path of the screw

(Caution) Do not apply excessive torque with the cross type driver



(Hex) (Cross)

Driver Separator

Code	OSST75

- If the driver is not removed after implantation of an orthodontic screw, insert a driver separator in the hole at the front part of the driver and remove the screw with lever action.

KIT System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

KIT System

2013 PRODUCT CATALOG

OSSTEM IMPLANT

Contents | OSSTEM IMPLANT

OSSTEM HISTORY

2012
- Nov Hosts ‘OSSTEM ATC Forum 2012 Seoul’
- Jul Registers and obtains approval from FDA in Mexico
  Established OSSTEM Dental Equipment Research Institute
- Jun Develops and begins commercial production of TSIII CA
  Develops and begins commercial production of ESSET Kit for Ridge Split
- May Develops and begins commercial production of MS SA
- Apr Hosts ‘OSSTEM World Meeting 2012 Taipei’
  Develops and begins commercial production of TSIII BA
  Registers and obtains approval from Ministry of Health in Indonesia
  Develops and begins commercial production of USIII SA
- Mar Develops and begins commercial production of USIII SA
  Develops and begins commercial production of SSIII HA
  Registers and obtains approval from Ministry of Health and Welfare in Kazakhstan

2011
- Dec Introduces and commences commercial production of K2 Unit & Chair
- Nov Develops and begins commercial production of Smart Membrane
- Oct Registers and obtains approval from Health Canada
  Develops and begins commercial production of USII SA and 123 Kit
- Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
  Develops and begins commercial production of SSIII SA
  Registers and obtains approval from the Ministry of Health and Society in Vietnam
- Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
- Jul Develops and begins commercial production of CustomFit Abutment
  Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
- Jun Develops and begins commercial production of TSII SA
  Hosts ‘OSSTEM World Meeting 2011 in Seoul’
- Apr Develops and begins commercial production of LAS Kit
  Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
- Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
- Feb Develops and begins commercial production of TSIV SA

2010
- Nov Develops and begins commercial productions of SSII SA
- Aug Develops and begins commercial productions of TSIII Ultra-wide
- Jun Develops and begins commercial productions of TSIII HA and CAS Kit
  Opens ‘OSSTEM World Meeting 2010 in Beijing’
- Apr Develops and begins commercial productions of Osstem Guide
- Mar Develops and begins commercial productions of TSIII SA

2009
- Oct Registers and obtains approval from Health, Labor and Welfare in Japan
- May Hosts ‘OSSTEM World Meeting 2009 in Bangkok’
- Jan Certifies PEP7 (the world’s first new Osseo-inductive compound)

2008
- Nov Develops and begins commercial productions of SS Ultra-wide
- Jun Develops and begins commercial productions of GSIII
- Apr Holds ‘OSSTEM World Meeting 2008 in Seou’

2008
- Mar Opens ATC Training Center
- Jan Establishes OSSTEM Bone Science Institute

2007
- Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
- Jun Registers and obtains approval from the TGA in Australia
- May Develops and begins commercial production of US Ultra-wide
- Apr Hosts ‘OSSTEM World Meeting 2007 in Seoul’
  Begins commercial production of V-ceph
- Mar Develops and begins commercial production of MS
  Lists on KOSDAQ (KRX: Korea Exchange)

2006
- Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
  Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
- Nov Registers and obtains approval from the SFDA in China
- Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
- Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
- Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
- Apr Registers and obtains the GOST-R certification in Russia
  Opens ‘OSSTEM World Meeting 2006 in Seoul’
  Publishes the 「2006 OSSTEM IMPLANT SYSTEM」- Introduction and particulars of implant system
- Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005
- Dec Registers and obtains approval by the DOH in Taiwan
  Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
- May Develops and begins commercial production of GSII
- Apr Hosts ‘OSSTEM World Meeting 2005 in Seoul’
- Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
- Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004
- Nov Develops and begins commercial production of SSIII
- Jul Develops and begins commercial production of USIII
- Apr Opens ‘OSSTEM World Meeting 2004 in Seou’

2002
- Oct Develops and begins commercial production of SSII
- Aug Registers and obtains approval by the FDA in the USA
  Develops and begins commercial production of USII
- Jan Establishes OSSTEM Implant R&D Center

2001
- Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
- Jan Obtains CE-0434 certification

1999
- Dec Obtains ISO-9001 certification

1997
- Dec Begins commercial production under the brand name of OSSTEM
- Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

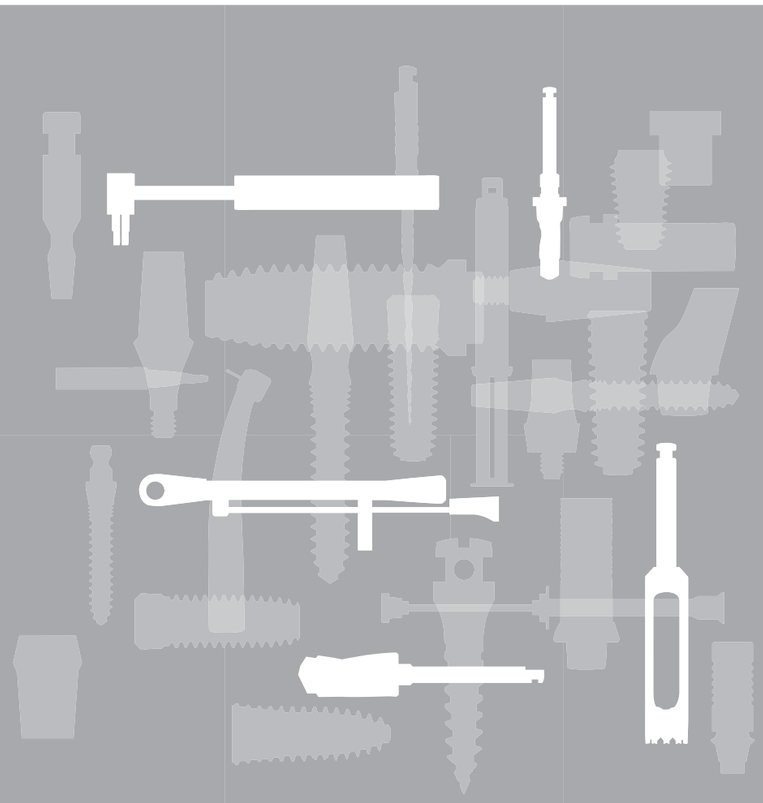
1995
- Develops dental implants and acquires industrial license

1992
- Initiates the development of dental implant system

OSSTEM IMPLANT SYSTEM

KIT

Fixture and **Restorative Components**



KIT

EARLY & **ESTHETIC**
OSSTEM IMPLANT

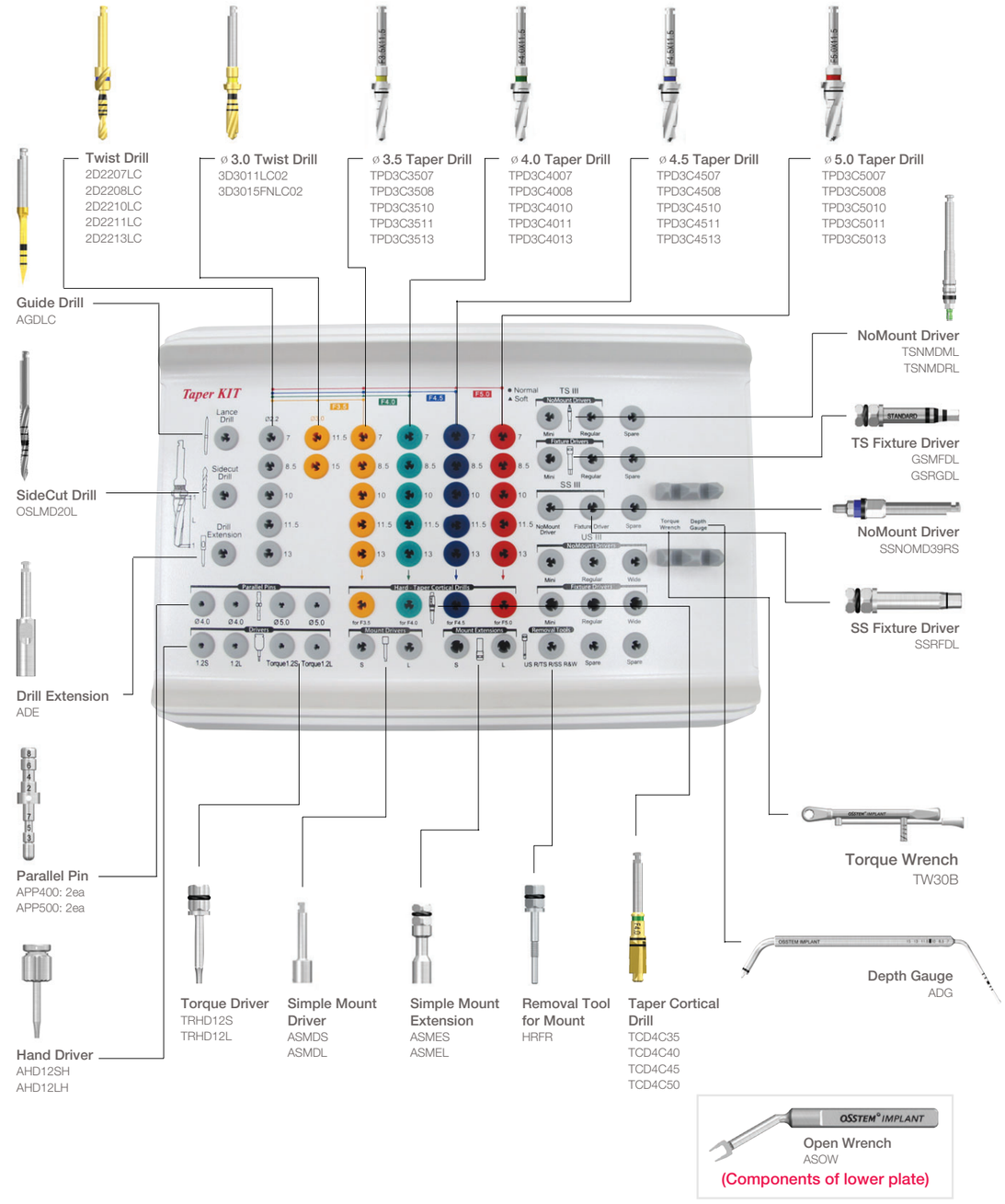
New Product

Name	Code	Image	Page
Taper Ultra KIT	HULTPK		P 238
123 Full KIT	O123FK		P 240
123KIT - IV TYPE	O4SK		P 241
LAS-KIT Plus	HLRSNKP		P 275
ESSET KIT	HESEK		P 276
Fixture Removal KIT	OSFRMK		P 300
ø 2.2 Twist Drill	2D2206LC, 2D2207LC, 2D2208LC, 2D2210LC, 2D2211LC, 2D2213LC, 2D2215FNLC		P 246
Short Drill	2D2213FNLC, 2D2713FNLC, 2D3013FNLC, 2D3313FNLC, 2D3613FNLC, 2D3813FNLC, 2D4113FNLC, 2D4313FNLC, 2D4613FNLC		P 246
Torque Wrench	TW30		P 257
SS Fixture Driver	SSRFDE		P 260
Simple Mount Driver	ASMDE		P 260

Taper KIT (OTSK)

Use range (Use ■)

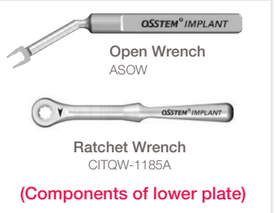
USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Taper Ultra KIT (HULTPK)

Use range (Use)

USII	SSII	TSII	II Ultra-Wide	MS	OS
USIII	SSIII	TSIII	III Ultra-Wide		

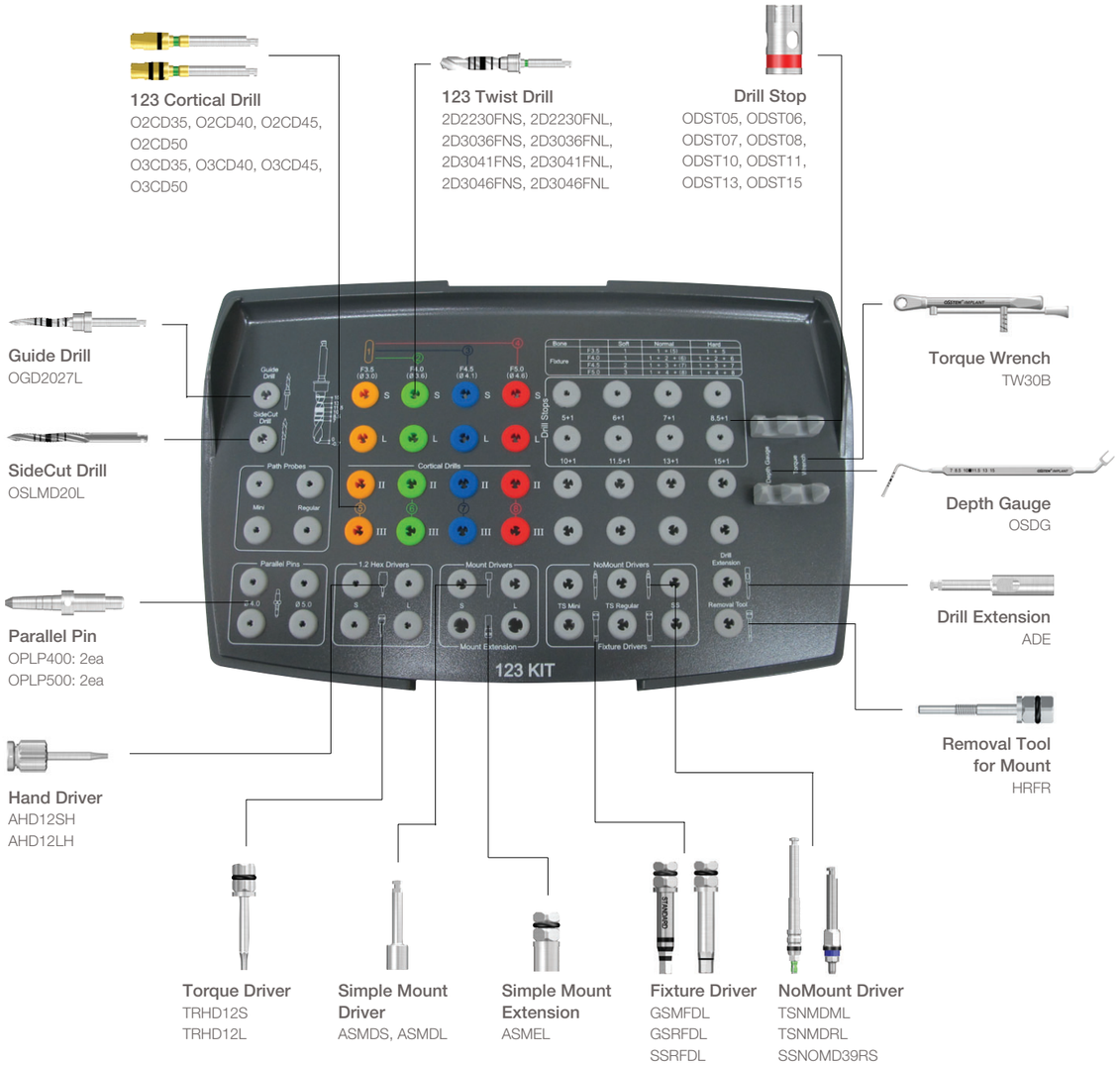


(Components of lower plate)

123 KIT (O123K)

Use range (Use)

TSII SA	SSII SA	USII SA	Ultra-wide	MS	OS
TSIII SA/HA	SSIII SA	USIII SA			



123 Full KIT (O123FK)

Use range (Use)

TSII SA	SSII SA	USII SA	GSII	Ultra-wide	MS	OS
TSIII SA/HA	SSIII SA	USIII SA	GSIII			

Usability is determined by the system's surface treatment. Be sure to check the surface treatment of the fixture before use.

123 Twist Drill
2D223007LC, 2D223008LC, 2D223010LC, 2D223011LC, 2D223013LC, 2D303607LC, 2D303608LC, 2D303610LC, 2D303611LC, 2D303613LC, 2D304107LC, 2D304108LC, 2D304110LC, 2D304111LC, 2D304113LC, 2D304607LC, 2D304608LC, 2D304610LC, 2D304611LC, 2D304613LC

Hand Driver
AHD12SH
AHD12LH

Torque Driver
TRHD12S
TRHD12L

Simple Mount Driver
ASMDS, ASMDL

Torque Wrench
TW30B

Depth Gauge
OSDG

Guide Drill
OGD2027L

SideCut Drill
OSLMD20L

Drill Extension
ADE

Removal Tool for Mount
HRFR

Parallel Pin
OPLP400: 2ea
OPLP500: 2ea

123 Cortical Drill
O2CD35, O2CD40, O2CD45, O2CD50
O3CD35, O3CD40, O3CD45, O3CD50

NoMount Driver
TSNMDML
TSNMDRL
SSNOMD39RS

NoMount Torque Driver
GSNMT32L
GSNMT35L
SSNMT39L

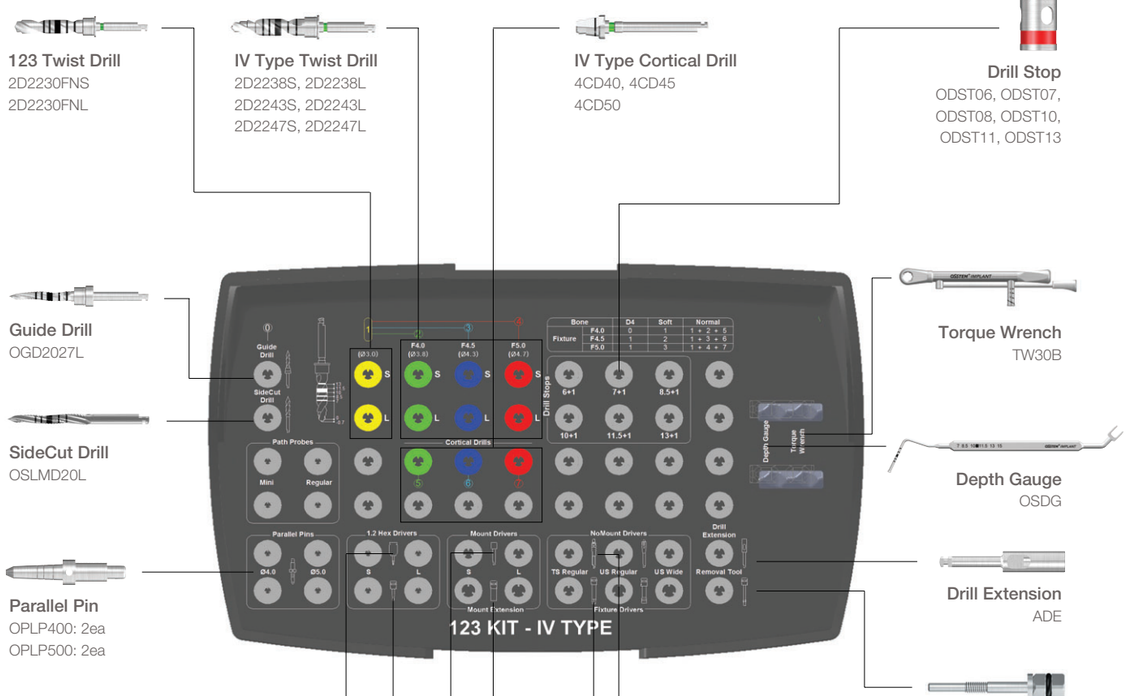
Simple Mount Extension
ASMEL

123 KIT - IV TYPE (O4SK)

Use range (Use)

TSII SA	SSII SA	USII SA	TSIV SA	Ultra-wide	MS	OS
TSIII SA/HA	SSIII SA	USIII SA	USIV SA			

The 123 KIT - IV TYPE can be used with SA surface-treated fixtures only.



123 Twist Drill
2D2230FNS
2D2230FNL

IV Type Twist Drill
2D2238S, 2D2238L
2D2243S, 2D2243L
2D2247S, 2D2247L

IV Type Cortical Drill
4CD40, 4CD45
4CD50

Drill Stop
ODST06, ODST07, ODST08, ODST10, ODST11, ODST13

Torque Wrench
TW30B

Depth Gauge
OSDG

Guide Drill
OGD2027L

SideCut Drill
OSLMD20L

Parallel Pin
OPLP400: 2ea
OPLP500: 2ea

Hand Driver
AHD12SH
AHD12LH

Drill Extension
ADE

Removal Tool for Mount
HRFR

Torque Driver
TRHD12S
TRHD12L

Simple Mount Driver
ASMDS, ASMDL

Simple Mount Extension
ASMEL

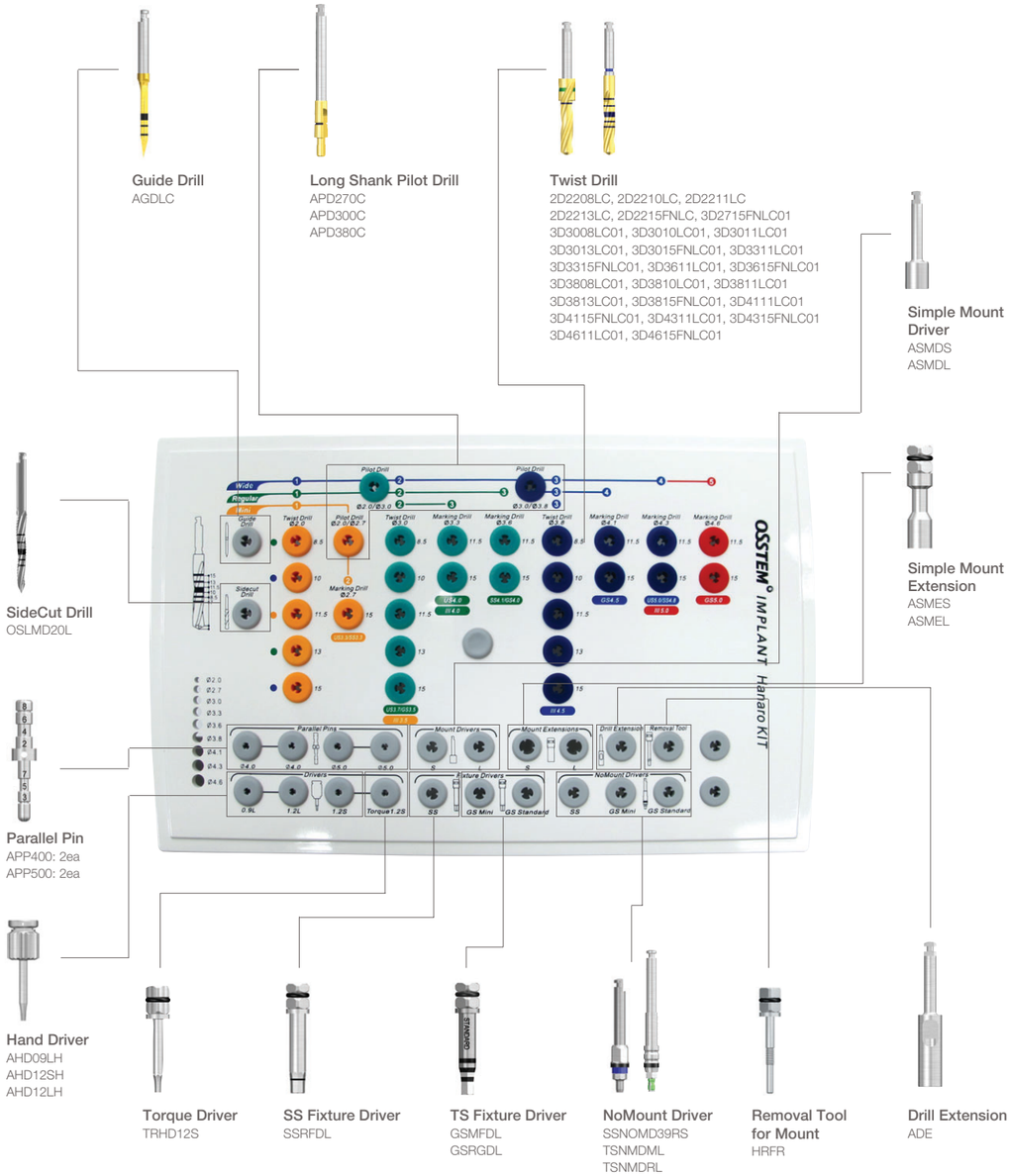
Fixture Driver
GSRGDL

NoMount Driver
TSNMDRL

New Hanaro KIT (HKA2)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Guide Drill
AGDLC

Long Shank Pilot Drill
APD270C
APD300C
APD380C

Twist Drill
2D2208LC, 2D2210LC, 2D2211LC
2D2213LC, 2D2215FNLC, 3D2715FNLC01
3D3008LC01, 3D3010LC01, 3D3011LC01
3D3013LC01, 3D3015FNLC01, 3D3311LC01
3D3315FNLC01, 3D3611LC01, 3D3615FNLC01
3D3808LC01, 3D3810LC01, 3D3811LC01
3D3813LC01, 3D3815FNLC01, 3D4111LC01
3D4115FNLC01, 3D4311LC01, 3D4315FNLC01
3D4611LC01, 3D4615FNLC01

Simple Mount Driver
ASMDS
ASMDL

SideCut Drill
OSLMD20L

Simple Mount Extension
ASMES
ASMEL

Parallel Pin
APP400: 2ea
APP500: 2ea

Hand Driver
AHD09LH
AHD12SH
AHD12LH

Torque Driver
TRHD12S

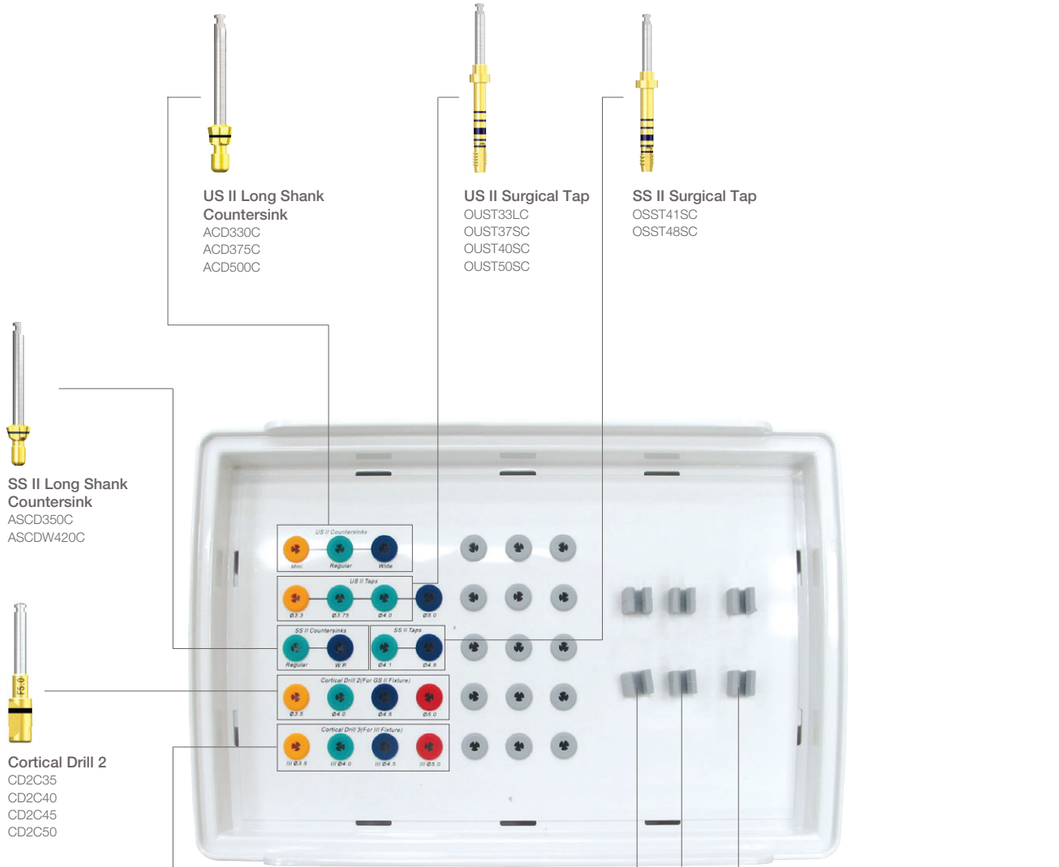
SS Fixture Driver
SSRFDL

TS Fixture Driver
GSMFDL
GSRGDL

NoMount Driver
SSNOMD39RS
TSNMDML
TSNMDRL

Removal Tool for Mount
HRFR

Drill Extension
ADE



US II Long Shank Countersink
ACD330C
ACD375C
ACD500C

US II Surgical Tap
OUST33LC
OUST37SC
OUST40SC
OUST50SC

SS II Surgical Tap
OSST41SC
OSST48SC

SS II Long Shank Countersink
ASCD350C
ASCDW420C

Cortical Drill 2
CD2C35
CD2C40
CD2C45
CD2C50

Cortical Drill 3
CD4C35
CD4C40
CD4C45
CD4C50

Open Wrench
ASOW

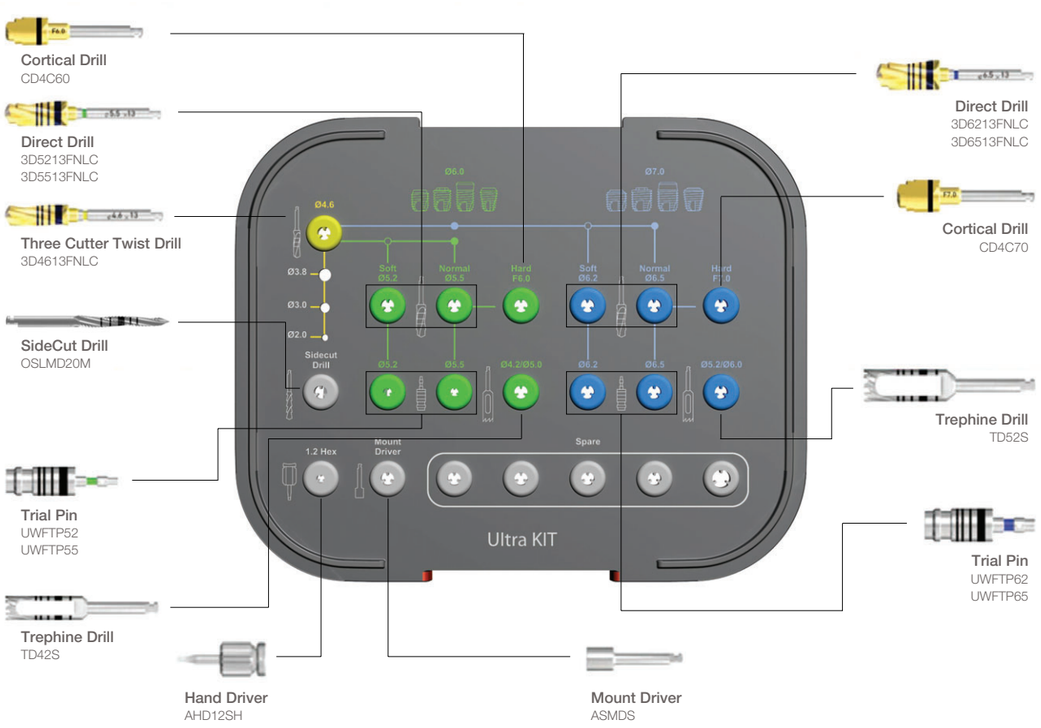
Torque Wrench
TW30B

Depth Gauge
ADG

Ultra KIT (HULTRK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



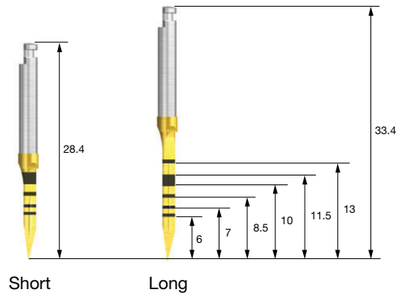
Open Wrench
ASOW

Ratchet Wrench
CITQW-1185A

(Components of lower plate)

Surgical Instruments for OSSTEM IMPLANT

Lance Drill: Guide Drill

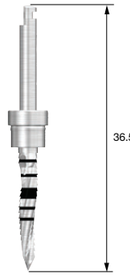


Type		Code
Lance Drill	Short	AGDSC
	Long	AGDLC

- Packing Unit : each part

- Forms holes in the bone to facilitate initial drilling
- Bone density can be determined through drilling
- TiN coating improves anti-corrosion and wear resistance

123 Guide Drill

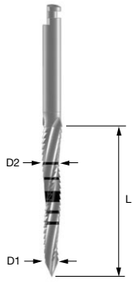


	ø 2.0
Code	OGD2027L

- Packing Unit : each part

- Used as the initial drill
- Install the drill stop in order to adjust the drilling depth to intended level

Sidecut Drill

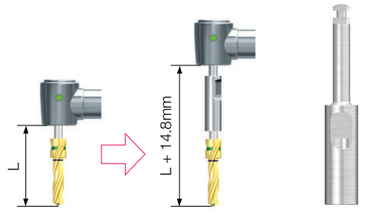


	D1	D2	L
OSLMDS	1.5	2.0	13.0
OSLMDL	1.5	2.0	20.0
OSLMD20S	2.0	2.5	13.0
OSLMD20L	2.0	2.5	20.0

- Packing Unit : each part

- Enables the bodily change of drilling direction
- Used to cut the ridge of the extracted socket
- Facilitates site preparation in the extracted socket

Drill Extension



14.8mm extension of drill length in case of using drill extension

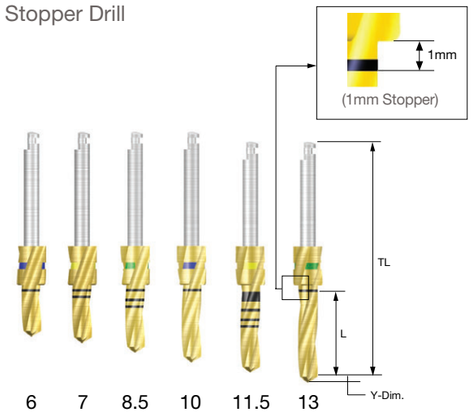
Code	ADE

- Packing Unit : each part

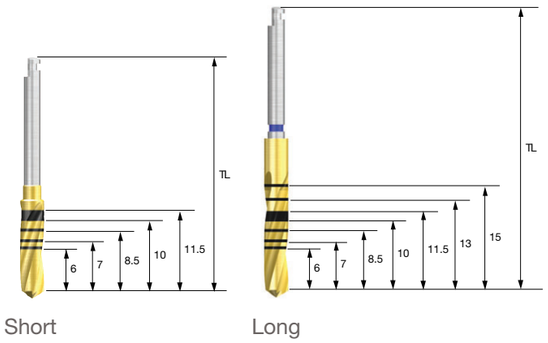
- Extends the length a drill and other hand tools
- Insertion into an O-ring offers a holding function
- Use by connecting the flat side of the drill handle to the flat side of the drill extension
- The use of too much force is prohibited

Twist Drills

Stopper Drill



Non Stopper Drill



Stopper Drill

L	TL	Diameter							
		ø 2.2	ø 3.0	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
6	30.5	2D2206LC	3D3006LC			3D3806LC			
7	31.5	2D2207LC	3D3007LC01			3D3807LC01			
8.5	33	2D2208LC	3D3008LC01			3D3808LC01			
10	34.5	2D2210LC	3D3010LC01			3D3810LC01			
11.5	34.5	2D2211LC	3D3011LC01	3D3311LC01	3D3611LC01	3D3811LC01	3D4111LC01	3D4311LC01	3D4611LC01
13	36	2D2213LC	3D3013LC01			3D3813LC01			
Y-Dim.		0.6	0.9	1	1	1	1	1	1

- Package unit : each part

- Long stopper (6 mm) : Posterior surgery may be performed even without drill extension
- The color coding on the stopper indicates the drill length
- L: drill length, TL: total drill length

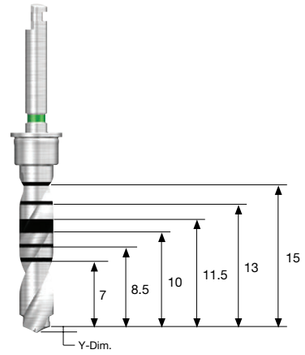
Non Stopper Drill

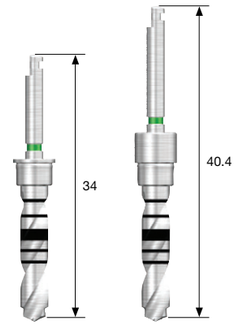
Type	TL	Diameter							
		ø 2.2	ø 2.7	ø 3.0	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
Short	33	2D2213FNLC	3D2713FNLC	3D3013FNLC	3D3313FNLC	3D3613FNLC	3D3813FNLC	3D4113FNLC	3D4313FNLC	3D4613FNLC
Long	41	2D2215FNLC	3D2715FNLC01	3D3015FNLC01	3D3315FNLC01	3D3615FNLC01	3D3815FNLC01	3D4115FNLC01	3D4315FNLC01	3D4615FNLC01

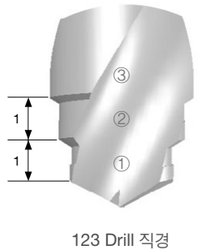
- Package unit : each part

- Marking drills of Short and, Long sizes
- For the marking size, see the Non-Stopper Drill image.
- Used when using drill without Stopper
- Used when the access of the Stopper drill into the mouth is insufficient

123 Twist Drill







①/ ②/ ③	ø 2.2/3.0	ø 3.0/3.6	ø 3.0/3.6/4.1	ø 3.0/4.1/4.6
Short	2D2230FNS	2D3036FNS	2D3041FNS	2D3046FNS
Long	2D2230FNL	2D3036FNL	2D3041FNL	2D3046FNL
Coloring	Yellow	Green	Blue	Red
Y-Dim.	0.7			

- Packing unit: each part

- The color of 123drill handle part means the diameter and kind of main mixture to be used
  - Yellow: F3.5, Green: F4.0, Blue: F4.5, Red: F5.0
- Install the drill stop in order to adjust the drilling depth to intended level
- 123 twist drill has good cutting force and control of drilling depth may be difficult; therefore, it is highly recommended to use the drill stop

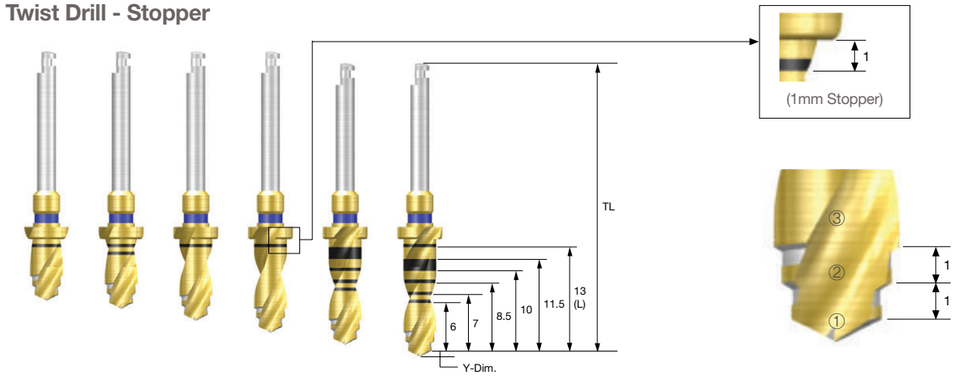
123 Drill Stop

	ODST05	ODST06	ODST07	ODST08	ODST10	ODST11	ODST13	ODST15
L(mm)	6.2	7	8	9.5	11	12.5	14	16
Coloring	Purple	White	Yellow	Red	Blue	Green	Black	Purple

- Packing unit: each part

- The length of drill stop means the remained actual length when the drill stop is installed on 123 twist drill
- The lengths are differentiated with colors for convenient identification of lengths and return to KIT

123 Twist Drill - Stopper

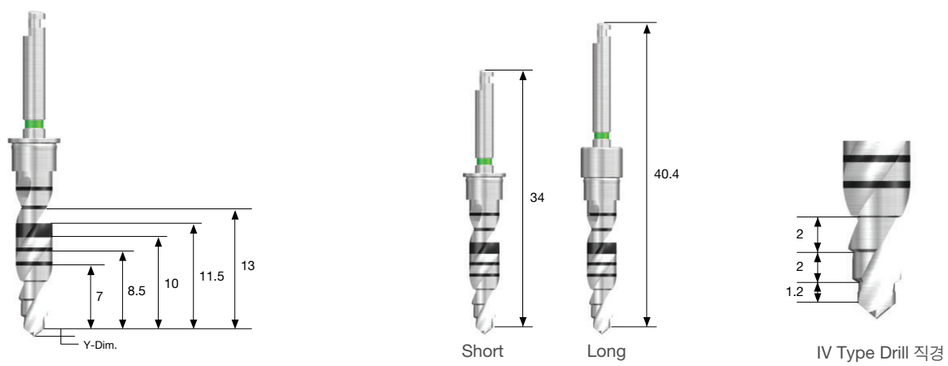


L	TL	Spec. (①/②/③)			
		F3.5 (ø2.2/3.0)	F4.0 (ø3.0/3.6)	F4.5 (ø3.0/3.6/4.1)	F5.0 (ø3.0/4.1/4.6)
6	30.5	2D223006LC	2D303606LC	2D304106LC	2D304606LC
7	31.5	2D223007LC	2D303607LC	2D304107LC	2D304607LC
8.5	33	2D223008LC	2D303608LC	2D304108LC	2D304608LC
10	34.5	2D223010LC	2D303610LC	2D304110LC	2D304610LC
11.5	34.5	2D223011LC	2D303611LC	2D304111LC	2D304611LC
13	36	2D223013LC	2D303613LC	2D304113LC	2D304613LC
15	38	2D223015LC	2D303615LC	2D304115LC	2D304615LC
Y-Dim.		0.7			

- Package unit : each part

- The color of 123drill handle part means the diameter and kind of main mixture to be used
  - Yellow: F3.5, Green: F4.0, Blue: F4.5, Red: F5.0

IV Type Twist Drill

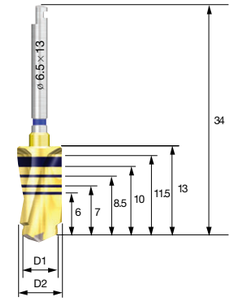


Drill Dia.	ø2.2/3.8	ø2.2/4.3	ø2.2/4.7
Short	2D2238S	2D2243S	2D2247S
Long	2D2238L	2D2243L	2D2247L
Coloring	Green	Blue	Red
Y-Dim.	0.7		

- Packing Unit : each part

- The coloring of the IV-type drill shank indicates the diameter and the main fixture to be used as follows: Green: F4.0, Blue: F4.5, Red: F5.0.
- Drilling depth can be adjusted by connecting the Drill stop.
- Due to the high cutting performance, it may be difficult to control the drilling depth of the IV-type twist drill. Using the Drill Stop for drilling is highly recommended.

Direct Drill

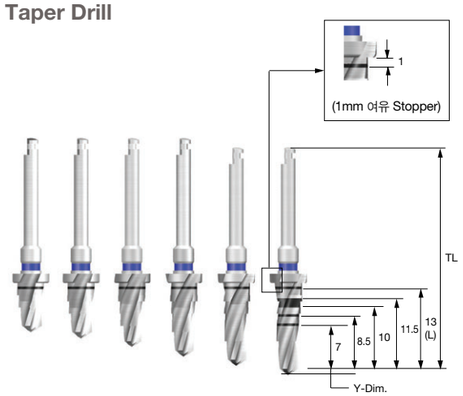


Direct Drill

Name	D1	D2	Code
ø5.2 Direct Drill	ø4.6	ø5.2	3D5213FNLC
ø5.5 Direct Drill	ø4.6	ø5.5	3D5513FNLC
ø6.2 Direct Drill	ø5.5	ø6.2	3D6213FNLC
ø6.5 Direct Drill	ø5.5	ø6.5	3D6513FNLC

- Direct drill: 2-stepped drill equipped with both pilot and twist drill function
  1. Enables final drilling without pilot drilling
  2. Enhancement of initial fixation in the extract socket by decreasing the dead space at the apex area

Taper Drill

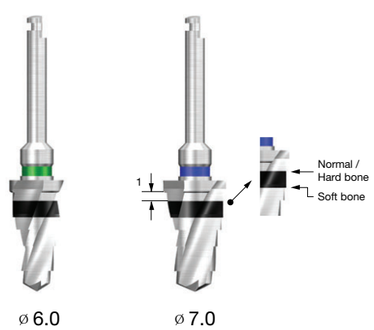


L	TL	Spec.			
		F3.5	F4.0	F4.5	F5.0
6	30.5	TPD3C3506	TPD3C4006	TPD3C4506	TPD3C5006
7	31.5	TPD3C3507	TPD3C4007	TPD3C4507	TPD3C5007
8.5	33	TPD3C3508	TPD3C4008	TPD3C4508	TPD3C5008
10	34.5	TPD3C3510	TPD3C4010	TPD3C4510	TPD3C5010
11.5	34.5	TPD3C3511	TPD3C4011	TPD3C4511	TPD3C5011
13	36	TPD3C3513	TPD3C4013	TPD3C4513	TPD3C5013
15	38	TPD3C3515	TPD3C4015	TPD3C4515	TPD3C5015
Y-Dim.		0.8	0.9	1	1

- Packing Unit : each part

- Processing exclusive use Taper Drill for III fixture diameter and length
- Stopper drill with 1mm margin
- Color coding on the shank indicates the fixture diameter
  (ø3.5:Yellow, ø4.0:Green, ø4.5:Blue, ø5.0:Red)

Taper Ultra Drill



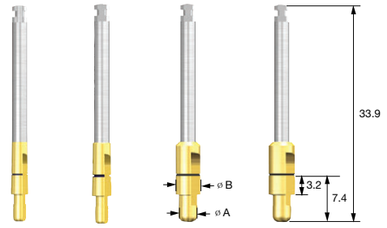
ø6.0 ø7.0

L / Spec.	ø6.0	ø7.0
6	TPD3C6006	TPD3C7006
7	TPD3C6007	TPD3C7007
8.5	TPD3C6008	TPD3C7008
10	TPD3C6010	TPD3C7010
11.5	TPD3C6011	TPD3C7011
13	TPD3C6013	TPD3C7013

- Packing Unit : each part

- Processing exclusive use Taper Drill for Taper Ultra-Wide fixture diameter and length
- Stopper drill with 1mm margin
- Color coding on the shank indicates the fixture diameter
  (ø6.0 : Green, ø7.0 : Blue)

Long Shank Pilot Drill

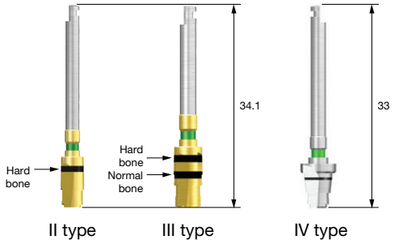


ø A	ø B	Mini	Regular	Wide
2.0	2.7	APD270C	-	-
2.0	3.0	-	APD300C	-
3.0	3.8	-	-	APD380C
3.0	4.1	-	-	APD410C

- Packing Unit : each part

- Used for the path adjustment of a drilling hole
- When using the next size drill, the guide hole enables precise cutting
- TiN coating improves anti-corrosion and wear resistance

123 Cortical Drill



	F3.5	F4.0	F4.5	F5.0
II type	O2CD35	O2CD40	O2CD45	O2CD50
III type	O3CD35	O3CD40	O3CD45	O3CD50
IV type	-	4CD40	4CD45	4CD50
Coloring	Yellow	Green	Blue	Red

- Packing Unit : each part

- It is recommended to drill up to the lower end of the marking line
- The marking line of II type cortical drill is based on hard bone
- The lower end marking line of III type cortical drill is based on normal bone and the upper end marking line is based on hard bone
- The color of handle part means the diameter and kind of main mixture to be used
  - Yellow: F3.5, Green: F4.0, Blue: F4.5, Red: F5.0

Cortical Drill 2 for TSII, SSII SA

Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	CD2C35	CD2C40	CD2C45	CD2C50

- Packing Unit : each part

- Use after formation of final drill hole in case of hard bone(D1)
- Exclusive drills are available to meet the fixture diameters
- It is recommend that drilling performs up to under marking line

Cortical Drill 3 for Taper Fixture (TSIII, SSIII, USIII)

Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	CD4C35	CD4C40	CD4C45	CD4C50

- Packing Unit : each part

- Drills for expansion of cortical bone after use of straight drill
- Use after formation of final drill hole in case of more than normal bone
- Exclusive drills are available to meet the fixture diameters
- The bottom and upper marking lines are for normal and hard bones, respectively.
- It is recommend that drilling performs up to the bottom marking line

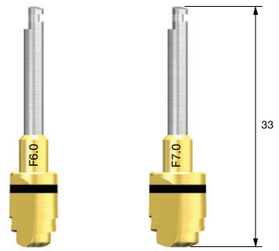
Taper Cortical Drill for Taper Fixture (TSIII, SSIII, USIII)

Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	TCD4C35	TCD4C40	TCD4C45	TCD4C50

- Packing Unit : each part

- Drills for expansion of cortical bone after use of taper drill
- Use after formation of final drill hole in case of more than hard bone
- Exclusive drills are available to meet the fixture diameters
- Lower end marking line is based on 8.5mm or smaller fixture implant
  Upper end marking line is based on 10mm or larger fixture implant
- It is recommend that drilling performs up to the bottom marking line

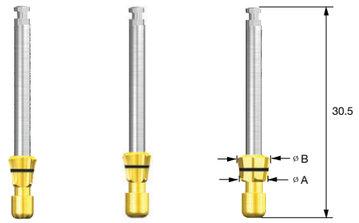
Cortical Drill for Ultra-Wide®



Name	Code
F6.0 Cortical Drill	CD4C60
F7.0 Cortical Drill	CD4C70

- Use after formation of final drill hole in case of hard bone(D1)
- Exclusive drills are available to meet the fixture diameters
- It is recommend that drilling performs up to the bottom marking line

Long Shank Countersink for SSII RBM

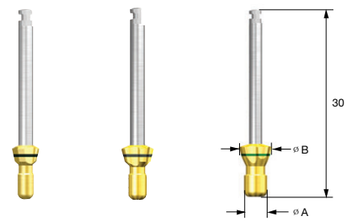


ø A	ø B	Regular ø 4.1	Regular ø 4.8	Wide ø 4.8
3.5	4.8	ASCD350C	-	-
4.2	4.8	-	ASCD420C	-
4.2	6.0	-	-	ASCDW420C

- Packing Unit : each part

- Form fixture platform
- Cut up to the bottom of the laser marking
- Use US Mini Countersink for SS Mini as needed

Long Shank Countersink for USII RBM

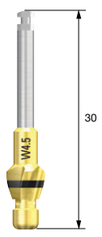


ø A	ø B	Mini	Regular	Wide
2.6	3.5	ACD330C	-	-
2.9	4.1	-	ACD375C	
4.2	5.1	-	-	ACD500C

- Packing Unit : each part

- Form space of fixture flange
- Cut up to the bottom of the laser marking

Countersink for USIII, USII SA, USIII SA(Wide PS, Wide)

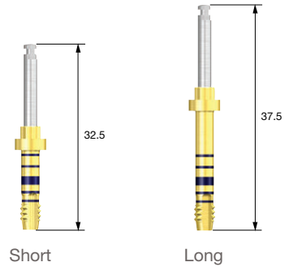


Code	USSCS45W

- Packing Unit : each part

- Instruments for Wide PS, Wide of USIII, USII SA, USIII SA
- Recommendation drilling rpm : 300rpm

Surgical Tap for SSII RBM

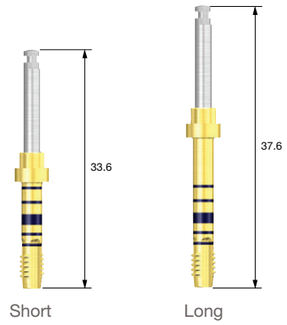


Platform	ø 4.8	ø 4.8	ø 6.0
Type \ D	ø 4.1	ø 4.8	
Short	OSST41SC	OSST48SC	
Long	OSST41LC	OSST48LC	

- Packing Unit : each part

- Use for dense bone and form screw thread-shaped fixtures
- Use a torque wrench after connecting to the engine or mount extension
- TiN coating improves anti-corrosion and wear resistance

Surgical Tap for USII RBM

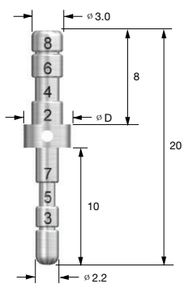


Type \ D	3.3	3.75	4.0	5.0
Short	-	OUST37SC	OUST40SC	OUST50SC
Long	OUST33LC	OUST37LC	OUST40LC	-

- Packing Unit : each part

- Use for dense bone and form screw thread-shaped fixtures
- Use as a torque after connecting to the engine or a simple mount extension
- TiN coating improves anti-corrosion and wear resistance

Parallel Pin

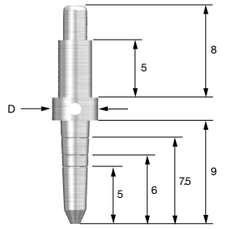


Diameter(ø)	Code
ø 4.0	APP400
ø 5.0	APP500
ø 6.0	APP600
Full Set	APPS

- Packing Unit : Individual and general set packing

- Use for checking the direction and location for bone preparation
- Predicts the diameter of an abutment to be secured

Parallel Pin for 123 drill



D	ø 4.0	ø 5.0
Code	OPLP400	OPLP500

- Packing Unit : each part

- Parallel Pin 123 Twist Drill only
- Use for checking the direction and location for bone preparation
- Use the lower part for initial drilling and higher part for F3.5 (ø 2.2/3.0) drilling

Depth Gauge

Code	ADG

- Packing Unit : each part

- A : Measurement of drilling length (7-15 mm)
- B : Measurement of gingival height following external fixture grafting

Depth Gauge

Code	OSDG

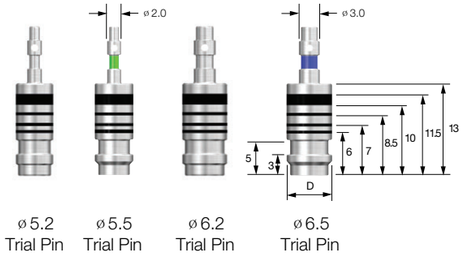
- Packing Unit : each part

- Use as drilling depth measurement and open wrench
- Use for separating Mount in case of soft bone

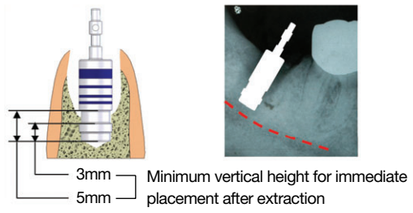
Trial Pin for Ultra-Wide

Diameter(D)	ø 5.2	ø 5.5	ø 6.2	ø 6.5
Code	UWFTP52	UWFTP55	UWFTP62	UWFTP65

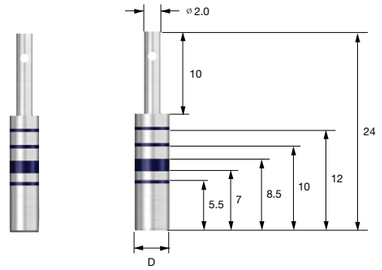
- Packing Unit : each part



- Check internal width and depth after extraction of a tooth
- Check the drilling depth after using direct drill as final drill
- Verify the internal diameter of the failed implant socket.
- The purpose of Parallel Pin



Depth Gauge Pin for SSII RBM

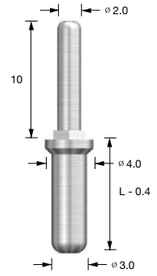


Diameter(ø)	ø 3.6	ø 4.3
Code	ASDG360	ASDG430

- Packing Unit : each part

- Measure the depth after the final drilling

Depth Gauge Pin for USII RBM

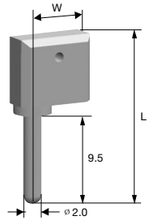


Length(mm)	Code
7	ADP607
8.5	ADP608
10	ADP610
11.5	ADP611
13	ADP613
15	ADP615
Full Set	ADP600

- Packing Unit : Individual and general set packing

- It is enable to check the drilling depth easily due to convenient design of top part

Positioning Guide



Width(mm)	Lengh(mm)	Code
2.5	21.5	APG201
6	17.5	APG202
11	17.5	APG203

- Packing Unit : Individual and general set packing

- Indicates the distance between fixtures
- Use after the first drilling (2.0)

Tissue Height Gauge for TS

Code	GTHGS

- Packing Unit: each part

- Measurement gingival height for selecting optimal abutment
- Non gloss treatment for improving identification

Ratchet Wrench

Code	CITQW-1185A

- Packing Unit: each part

- Only surgical unlimited wrench
  (If excessive torque is applied, the inside of bone or fixture may be damaged.)
- Rotating direction is marked by an arrow for convenient identification

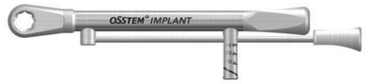
Torque Wrench: Spring type

Code	TW30

- Packing Unit: each part

- Used for tightening abutment and screws at constant torque
- 10, 20, and 30 Ncm of torque can be applied.
- How to recognize torque application: if the neck of the torque wrench is folded, torque is applied.
  Caution) Applying force when the torque wrench neck is folded can break the screw due to excessive torque.

Torque Wrench: Bar type

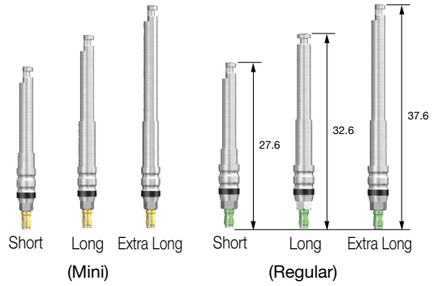


Code	TW30B

- Packing Unit: each part

- Possibility of loading 10, 20, 30 and infinite Ncm
- Used to adjust the installation location of implants or to tighten abutments or screws
- The last line is approx. 40 Ncm
- Torque is applied to the center of the bar, which will be generated by pulling the bar
- The product should be cleaned after use, and then sterilized for storage

NoMount Driver for TS



Type	Mini	Regular
Short	TSNMDMS	TSNMDRS
Long	TSNMDML	TSNMDRL
Extra Long	TSNMDME	TSNMDRE

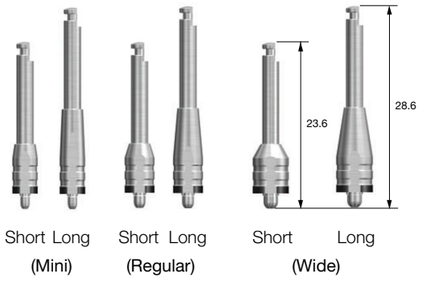
- Packing Unit: each part
- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1-mm (1-6 mm) intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during the surgery

NoMount Driver for SS

Type	Regular	Wide
Short	SSNOMD39RS	
Long	SSNOMD39RL	

- Packing Unit: each part
- Since the shape is similar to that of the internal fixture driver, even a high torque does not change the inside of the fixture
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery

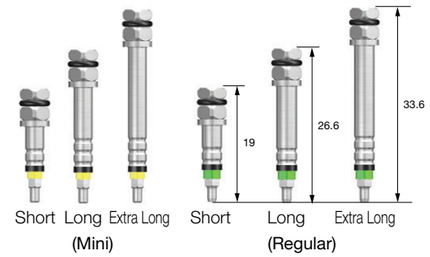
NoMount Driver for US



Length \ Type	Mini	Regular	Wide
Short	USNMD35MS	USNMD41RS	USNMD51WS
Long	USNMD35ML	USNMD41RL	USNMD51WL

- Packing Unit: each part
- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1-mm (1-5 mm) intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during the surgery

NoMount Torque Driver for TS



Type	Mini	Regular
Short	GSNMT32S	GSNMT35S
Long	GSNMT32L	GSNMT35L
Extra Long	GSNMT32E	GSNMT35E

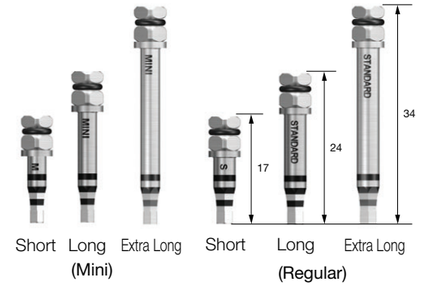
- Packing Unit: each part
- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1mm intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery
- The fracture strength : 260Ncm
- If excessive implant torque is applied, fracture may be resulted in; if unnecessary large implant torque is expected, use a fixture driver. Also, imperfect installation may result in fracture at the strength under fracture strength; therefore, perfect installation should be checked before use
- Special attention should be paid; after occurrence of a fracture, restoration is impossible

NoMount Torque Driver for SS

Type	Regular	Wide
Short	SSNMT39S	
Long	SSNMT39L	

- Packing Unit: each part
- Since the shape is similar to that of the internal fixture driver, even a high torque does not change the inside of the fixture
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery
- The fracture strength : 260Ncm
- If excessive implant torque is applied, fracture may be resulted in; if unnecessary large implant torque is expected, use a fixture driver. Also, imperfect installation may result in fracture at the strength under fracture strength; therefore, perfect installation should be checked before use.
- Special attention should be paid; after occurrence of a fracture, restoration is impossible.

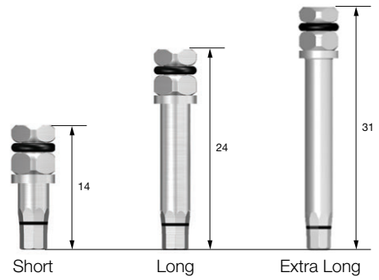
Fixture Driver for TS



Type	Mini	Regular
Short	GSMFDS	GSRFDS
Long	GSMFDL	GSRFDL
Extra Long	GSMFDE	GSRFDE

- Packing Unit: each part
- Fixture connection
- Use to place or remove a fixture after the separation of the mount

Fixture Driver for SS



Plaftorm(ø)	Regular	Wide
Short	SSRFDS	
Long	SSRFDL	
Extra Long	SSRFDE	

- Packing Unit: each part

- The laser marking is designed for checking during the connection of a fixture
- Use for removal following fixture grafting and mount separation

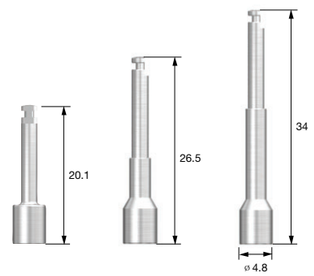
Fixture Driver for US

Platform(ø)	Mini	Regular	Wide
Code	USMFDL	USRFDL	USWFDL

- Packing Unit: each part

- The laser marking is designed for easy identification during the connection of fixtures
- Use for removal following fixture grafting and mount separation

Simple Mount Driver

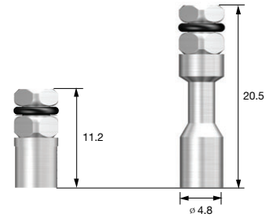


Length	Code
Short	ASMDS
Long	ASMDL
Extra Long	ASMDE

- Packing Unit: each part

- Use for fixture grafting by connecting to a simple mount
- Compact design, internal holding function

Simple Mount Extension



Length	Code
Short	ASMES
Long	ASMEL

- Packing Unit: each part

- Use for extension of simple mount length, and use in case of inputting hand-torque by connecting with ratchet wrench.

Simple Open Wrench

Code	ASOW

- Packing Unit: each part

- For weak bone, use to separate the simple mount
- 30° neck angle enhances convenience of insertion in the oral cavity

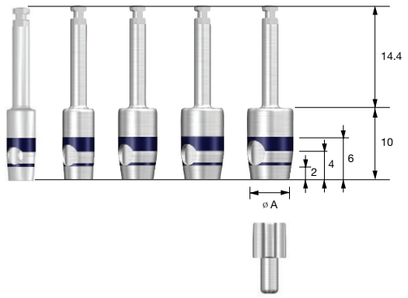
Removal Tool for Fixture Mount

Code	Application
ERFM	US Mini, TS Mini
HRFR	US Regular, SS Regular/Wide, TS Regular
ERFW	US Wide

- Packing Unit: each part

- When a fixture and the fixture mount are stuck, use after removing the fixture mount screw
- Use after the connection to a driver handle and a torque wrench
- Insert vertically and rotate clockwise

Tissue Punch



Tissue Punch	A	ø 3.3	ø 3.8	ø 4.3	ø 4.8	ø 5.3
	Code	OSTP33	OSTP38	OSTP43	OSTP48	OSTP53
Based on Healing ABT	TS	ø 4.0/ ø 4.5	ø 4.5/ ø 5.0	ø 5.0	ø 6.0	ø 6.0
	SS	-	ø 4.8	-	ø 6.0	ø 6.0
	US	ø 4.0	ø 5.0	ø 5.0	ø 6.0	ø 6.0
	Using a Tissue Punch whose diameter is smaller than the Healing Abutment by 0.7~1.5 mm is recommended.					

- Packing Unit: Tissue Punch + Guide Pin

- Tool to be used for flapless surgery
- The laser marking at 2-mm intervals enables the measurement of gingival height

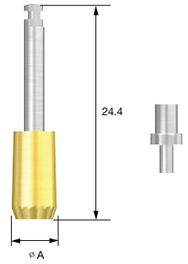
TS Bone Profiler

Connection	Healing abutment dia.	Bone Profiler type		Guide Screw	
Mini & Regular	ø 4.5		GSBP45	Mini Connection	
	ø 5.5		GSBP55		
	ø 6.5		GSBP75	Regular Connection	
	ø 7.5				

- Packing Unit : Bone Profiler + Guide Screw

- Use to remove the bone around the fixture during the first or second surgery
- It is used for compensation of the shape of healing abutment by eliminating the bone after connection of guide screw with the fixture
- The guide screw protects the morse taper of the fixtures

US Bone Profiler

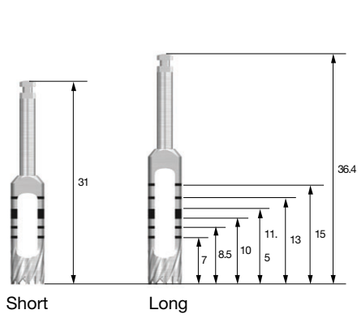


	Platform(ø)			
ø A	Mini	Regular	Wide	T-type
4	ABPM400C	-	-	-
5	ABPM500C	ABPR500C	-	-
6	-	ABPR600C	ABPW600C	TBPW600C
7	-	-	ABPW700C	-

- Packing Unit : Bone Profiler + Guide Screw

- Use to remove the bone generated around the cover screws during the second surgery
- After removing the cover screws, connect the guide screw to the fixtures and use for the angle compensation of the healing abutments
- The guide screw protects the hex of the fixtures
- TiN coating improves anti-corrosion and wear resistance

Trephine Drill

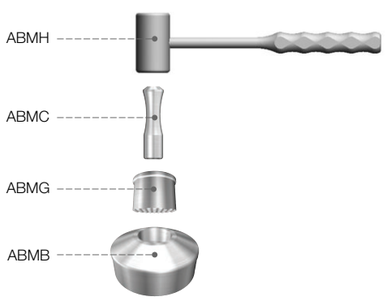


Code	Inner Dia.(ø)	Outer Dia.(ø)	Length
TD37S	3.7	4.5	Short
TD42S	4.2	5.0	Short
TD47S	4.7	5.5	Short
TD52S	5.2	6.0	Short
TD62S	6.2	7.0	Short
TD37	3.7	4.5	Long
TD42	4.2	5.0	Long
TD47	4.7	5.5	Long
TD52	5.2	6.0	Long
TD62	6.2	7.0	Long

- Packing Unit: each part

- Use for the collection of bone or removal of damaged or failed fixtures
- Use for removal of Septal bone
- Trephine drill can be used as initial drill when to implant Ultra Fixture

Bone Mill



Code	ABM

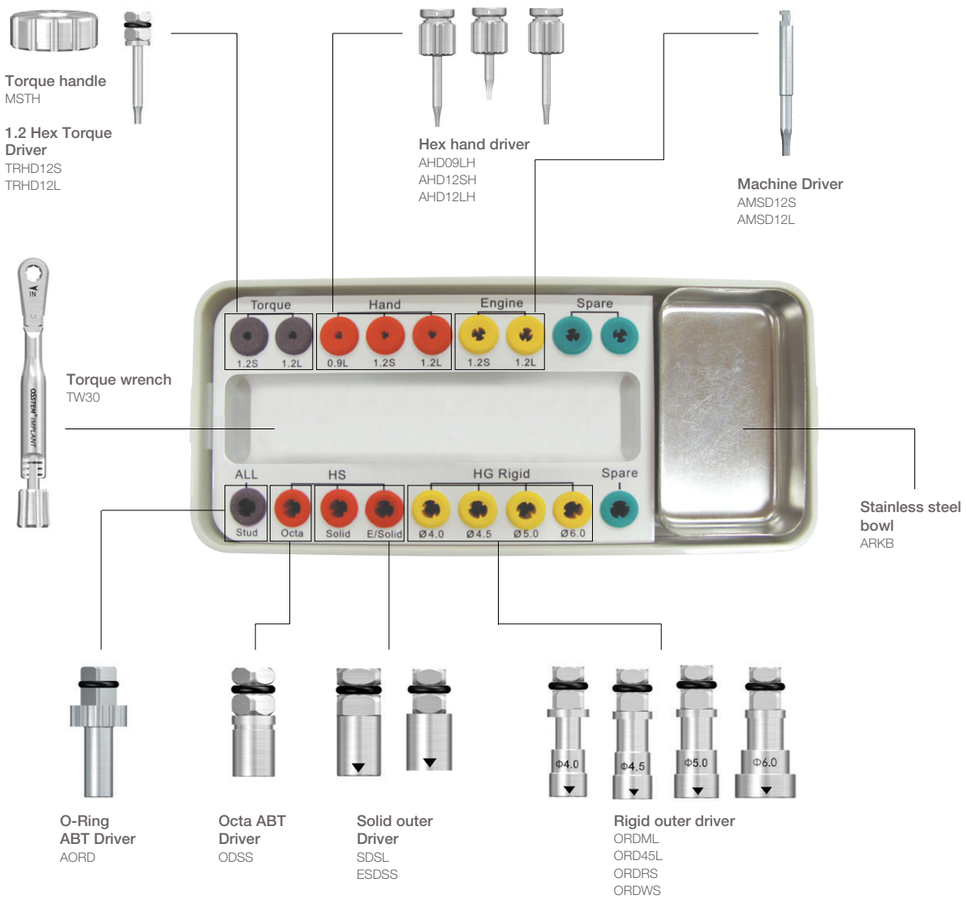
- Packing Unit: each part

- Forms particulate bone using the collected autogenous bone

Prosthetic KIT (OPK)

Use range (Use)

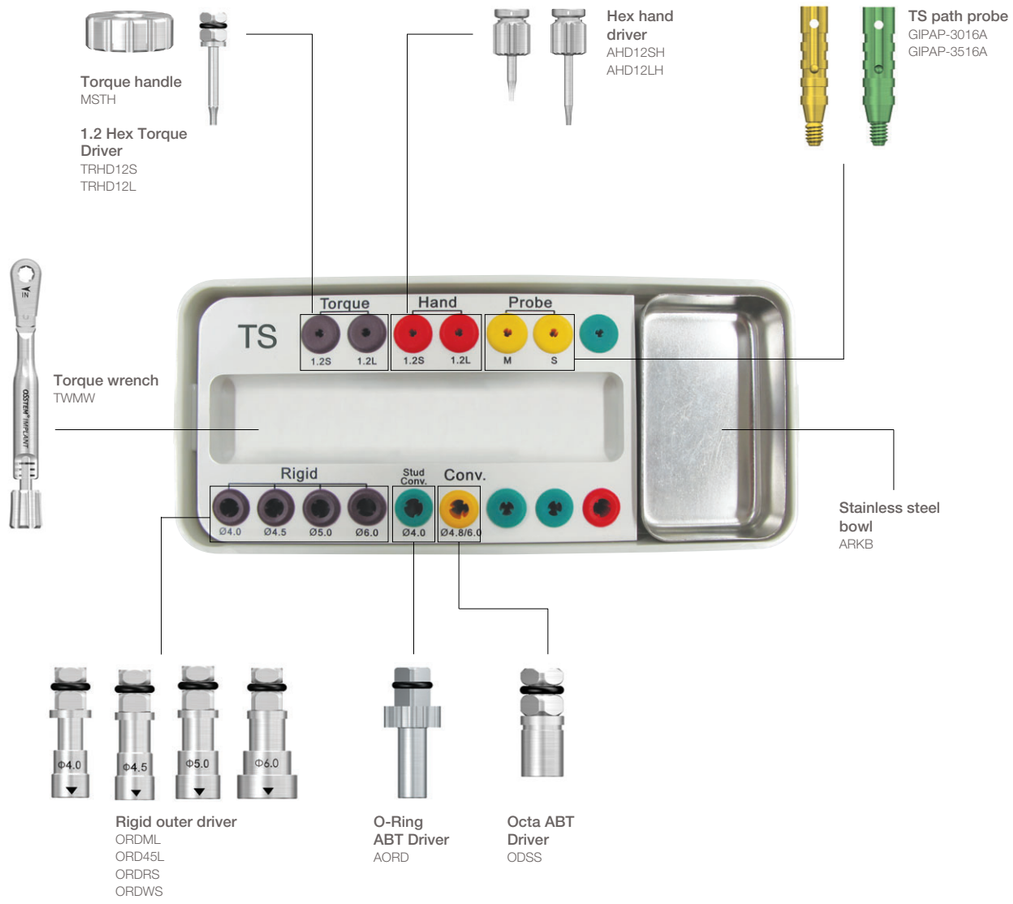
USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



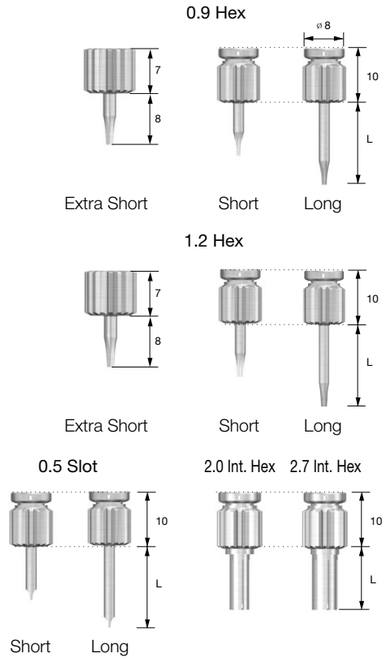
TS Prosthetic KIT (GSPK)

Use range (Use)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Hand Driver

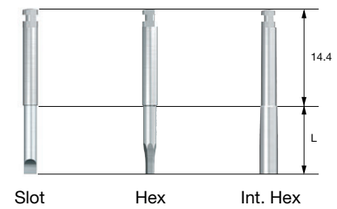


Type	Extra Short	Short	Long	Application
L	8	13	18	-
0.5Slot	-	ASD05SH	ASD05LH	-
0.9Hex	AHD09MSH	AHD09SH	AHD09LH	Cover Screw (US Mini)
1.2Hex	AHD12MSH	AHD12SH	AHD12LH	Healing Abutment,UCLA, CementedAbutment Screw, Mount Screw
2.0 Int. Hex	-	IHD20H		Esthetic Abutment Screw Regular Esthetic-low Abutment Screw, Standard
2.7 Int. Hex	-	IHD27H		Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Manual driver
- Tip holding function (note: excluding Int. Hex Type)
- Int. Hex L is 11

Machine Screw Driver

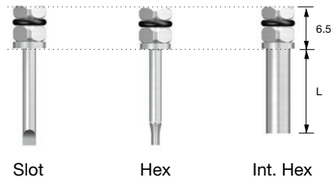


Type	Short	Long	Extra Long	Applicatation
L(Hex)	5.6	11.6	17.6	
0.5Slot	AMSD05S	AMSD05L		-
0.9Hex	AMSD09S	AMSD09L		Cover Screw (US Mini)
1.2Hex	AMSD12S	AMSD12L	AMSD12E	Healing Abutment, UCLA, Cemented Abutment Screw, Mount Screw
2.0Int. Hex	EIHD20			Esthetic Abutment Screw Regular Esthetic-low Abutment Screw, Standard
2.7Int. Hex	EIHD27			Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Machine screw driver
- Tip holding function (note: excluding Int. Hex Type)
- Int. Hex L is 8

Torque Driver

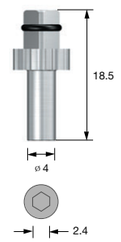


Type	Short	Long	Extra Long	Application
L	13	20	25	-
0.5Slot	TRSD05S	TRSD05L	TRSD05E	-
0.9Hex	TRHD09S	TRHD09L	-	Cover Screw(US Mini)
1.2Hex	TRHD12S	TRHD12L	TRHD12E	Healing Abutment, UCLA,Cemented Abutment Screw, Mount Screw
2.0Int. Hex	TIHD20S	TIHD20L	-	Standard/ Esthetic Abutment Screw, Regular Esthetic-low Abutment Screw
2.7Int. Hex		TIHD27		Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Driver for torque wrench connection
- No tip holding function
- Fracture strength: 62Ncm
- Recommended torque should be observed.
  Caution: Fracture occurs, in case excessive torque is applied.
- When applying torque, check that the screw hex is completely installed.
  Application of torque with imperfect installation may result in a fracture at the strength under fracture strength.
- Torque should be applied vertically. (Do not tilt the set.)
- If the tip is bent due to the use for a long time or excessive torque, replace it.

O-ring Abutment Driver

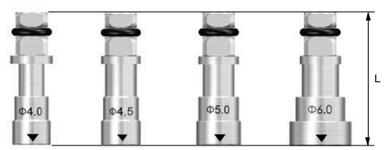


Code	AORD

- Packing Unit: each part

- Special-purpose driver for the O-ring abutment

Rigid Outer Driver



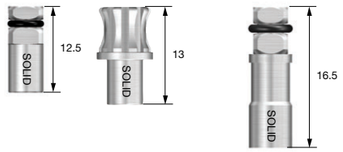
Spec.	Mini	Regular			
Abutment D(ø)	ø 4.0	ø 4.0	ø 4.5	ø 5.0	ø 6.0
Short	ORDMS		ORD45S	ORDRS	ORDWS
Long	ORDML		ORD45L	ORDRL	ORDWL

- Packing Unit: each part

- Special-purpose driver for rigid abutment
- Tightening torque : 30Ncm
- Short L is 16.5mm.
  Long L is 21.5mm.

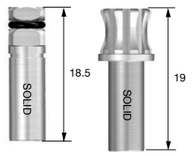
Solid Abutment Driver

Short



Regular Wide

Long



Regular

Platform (ø)	Regular		Wide	
Length \ Type	Square	Round	Square	Round
Short	SDSS	SDRS	SD60S	-
Long	SDSL	SDRL	-	-

- Packing Unit: each part

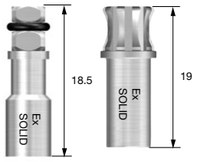
- Driver for Solid abutment
- The triangle mark is used by aligning with the abutment groove
- Tightening torque : 30Ncm

Excellent Solid Abutment Driver

Short

Regular Wide

Long



Regular

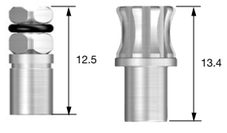
Platform (ø)	Regular		Wide	
Length \ Type	Square	Round	Square	Round
Short	ESDSS	ESDRS	ESD60S	-
Long	ESDSL	ESDRL	-	-

- Packing Unit: each part

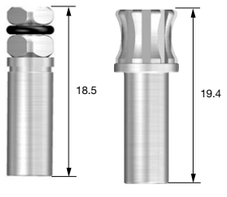
- Driver for Excellent solid abutment
- The triangle mark is used by aligning with the abutment groove
- Tightening torque : 30Ncm

Octa Abutment Driver

Short



Long

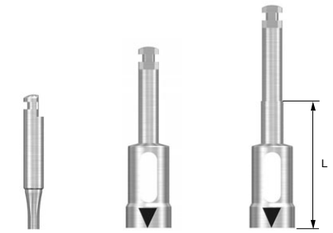


Length \ Type	Square	Round
Short	ODSS	ODRS
Long	ODSL	ODRL

- Packing Unit: each part

- Driver for Octa abutment
- Tightening torque : 30Ncm

OSSTEM Torque Driver



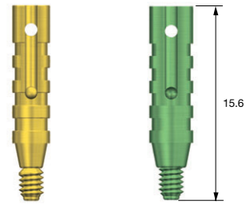
1.2 Hex Short Long

Type	Short	Long
L	10	15
1.2 Hex	OTH12S	-
Rigid ø 4.0	OTR40S	OTR40L
Rigid ø 4.5	OTR45S	OTR45L
Rigid ø 5.0	OTR50S	OTR50L
Rigid ø 6.0	OTR60S	OTR60L
Solid	OTS48S	OTS48L
Excellent Solid	OTE48S	OTE48L

- Packing Unit: each part

- Driver for OSSTEM Torque
- The triangle mark is used by aligning with the abutment groove of section
- Tightening torque : 30Ncm(except 1.2 Hex Type)
- Solid and Excellent Solid Driver are compatible with ø 4.8 exclusively.
- Impossibility of connection with general hand piece
- 1.2Hex L(Tip length) is 5.

Path Probe for TS

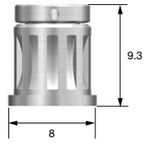


	Mini	Regular
Short	GIPAP-3016A	GIPAP-3516A

- Packing Unit: each part

- After GS,TS NoMount driver, confirmation path and measurement gingival height
- For mini : Yellow
- For Regular : Green

Connector



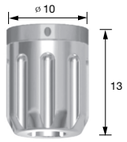
Code	ORC

- Packing Unit: each part

- Connector used for connecting the driver for square torque to the round torque wrench

Prosthetic Tools for OSSTEM IMPLANT

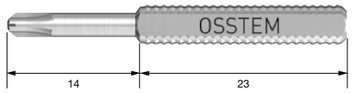
Driver Handle



Code	TIDHC

- Packing Unit: each part
- Use by connecting with a torque driver

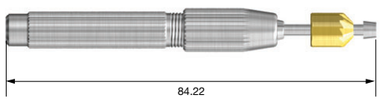
Dalbo Plus Screw Driver



Code	ODSD

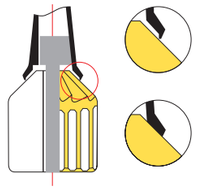
- Packing Unit: each part
- Use to adjust the retention force of Dalbo plus Attachment

Finishing Reamer Set



Code	FRSC

- Packing Unit: each part
- Use to remove the lip inside the casting body upon the casting of plastic copings



* How to use reamer

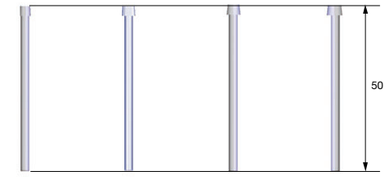
A. Choose a reamer tip as same size as abutment and then connect the casting burm-out Cylinder.
B. Hold the casting body and rotate reamer bite with consistent force
C. Do reaming until cutting does not occur any longer

Reamer Bite

Code	FRBC

- Packing Unit: each part
- TiN coating improves anti-corrosion and wear resistance

Reamer Tip for Rigid Abutment

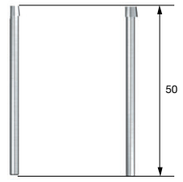


Abutment D (ø)	ø 4.0	ø 4.5	ø 5.0	ø 6.0
Code	GSRFRT400	GSRFRT450	GSRFRT500	GSRFRT600

- Packing Unit: each part
- When fabricating the prosthesis using a Rigid plastic coping, it is used for margin contact adjustment.

Reamer Tip for Solid, Ex. Solid Abutment

Regular Wide



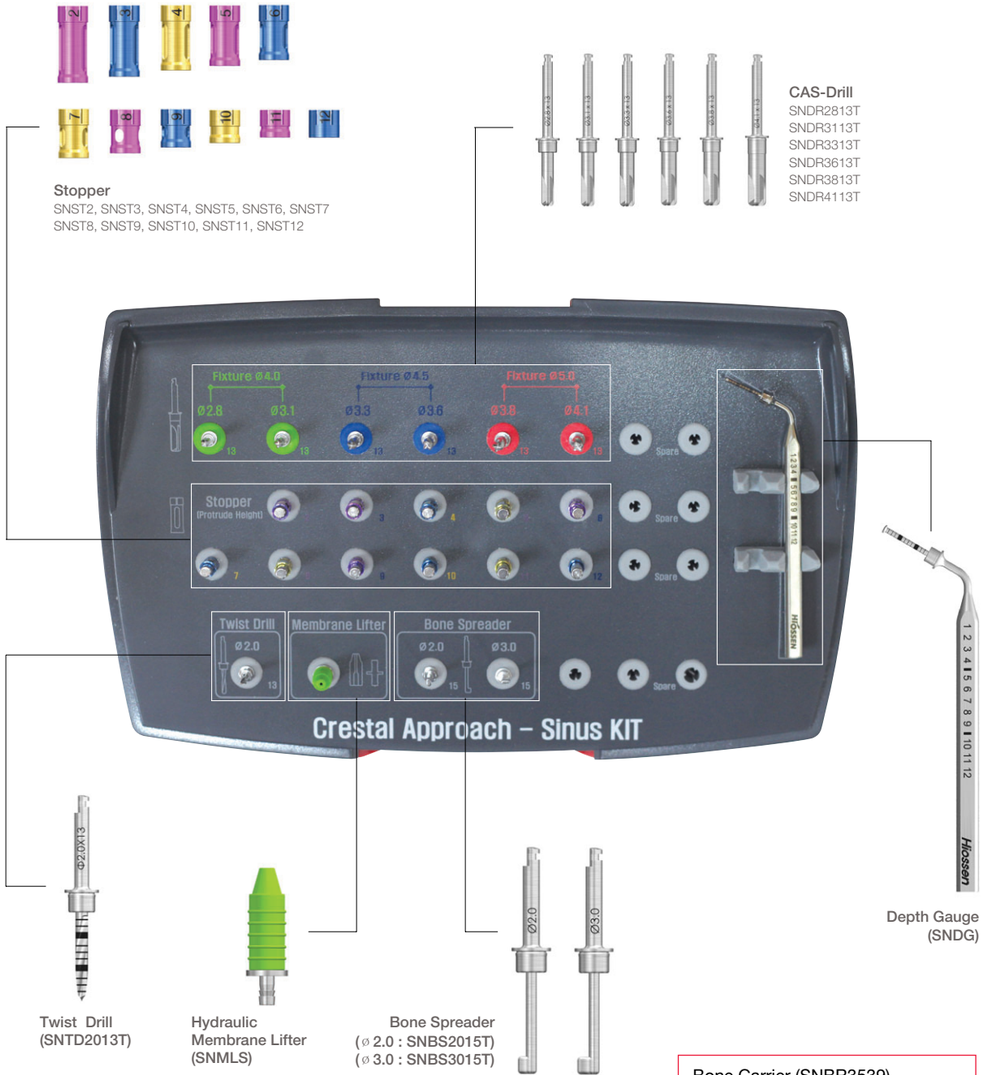
Abutment D (ø)	ø 4.8	ø 6.0
Solid	FRTS480	FRTS600
Excellent Solid	FRTE480	FRTE600

- Packing Unit: each part
- Combined use of Solid ø 6.0 and Excellent Solid ø 4.8

CAS-KIT (HCRSNK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



- This surgical procedure use only Maxillary sinus surgery. Don't use for Mandible surgery.
- The CAS-KIT has a one year warranty on all parts & case.
- The recommended usage of the drills and stopper are 50 times.
- For more information, Please visit www.hiossen.com or see the Surgical Animation or Brochure.

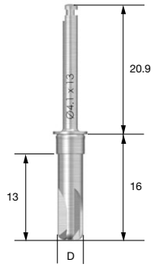
Bone Carrier (SNBR3539)

Bone Condenser (SNBC2333)

(Components of lower plate)

CAS Surgical Instruments for OSSTEM IMPLANT

CAS-Drill

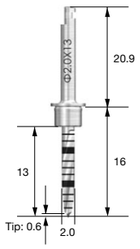


Fixture ø	F ø 4.0		F ø 4.5		F ø 5.0	
Bone Density	Soft	Normal	Soft	Normal	Soft	Normal
D	ø 2.8	ø 3.1	ø 3.3	ø 3.6	ø 3.8	ø 4.1
Code	SNDR2813T	SNDR3113T	SNDR3313T	SNDR3613T	SNDR3813T	SNDR4113T

- Package unit : each part

- Make a conical bone lid for membrane safely lifting.
- Flexible Drilling speed ranges from low speed to high speed (800rpm) Especially, Bone harvesting in low speed(about 50rpm)
- Drill depth control by unique stopper systems.

ø 2.0 Twist Drill

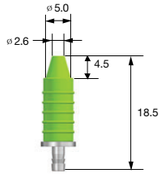


Code	SNTD2013T

- Package unit : each part

- Under drilling than 2mm of remaining bone in CT or panorama
- Tip : 0.6mm
- Drill depth control by unique stopper systems.

Hydraulic membrane lifter set



Code	SNMLS

- Packing Unit: each part

- Tool for elevating the sinus membrane by hydraulic pressure
- Commonly using in drilling hole by CAS-drill ø 2.8 ~ ø 4.1

Stopper

돌출 길이(mm)	2	3	4	5	6	7	8	9	10	11	12
Code	SNST2	SNST3	SNST4	SNST5	SNST6	SNST7	SNST8	SNST9	SNST10	SNST11	SNST12

- Package unit : each part

- A total of eleven (11) stoppers; labeled 2 to 12mm
- Labels indicate the remaining length of the drill (from drill tip to stopper top)
- Each stopper is anodized and color coded. Labels are laser etched.

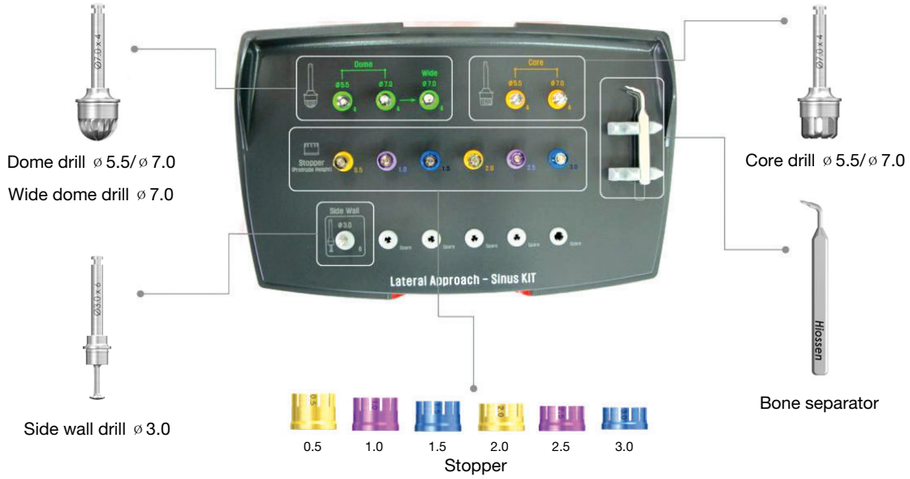
Drilling Sequence

- This surgical procedure use only Maxillary sinus surgery.
- Don't use for Mandible surgery.
- For more information, can visit www.hiossen.com

Fixture Selection		Twist Drill	CAS-Drill					
F(D ø)	Bone Density	ø 2.0	ø 2.8	ø 3.1	ø 3.3	ø 3.6	ø 3.8	ø 4.1
ø 4.0	Soft	▶	▶					
ø 4.5	Soft	▶	▶		▶			
ø 5.0	Soft	▶	▶				▶	
ø 4.0	Normal	▶		▶				
ø 4.5	Normal	▶		▶		▶		
ø 5.0	Normal	▶		▶				▶

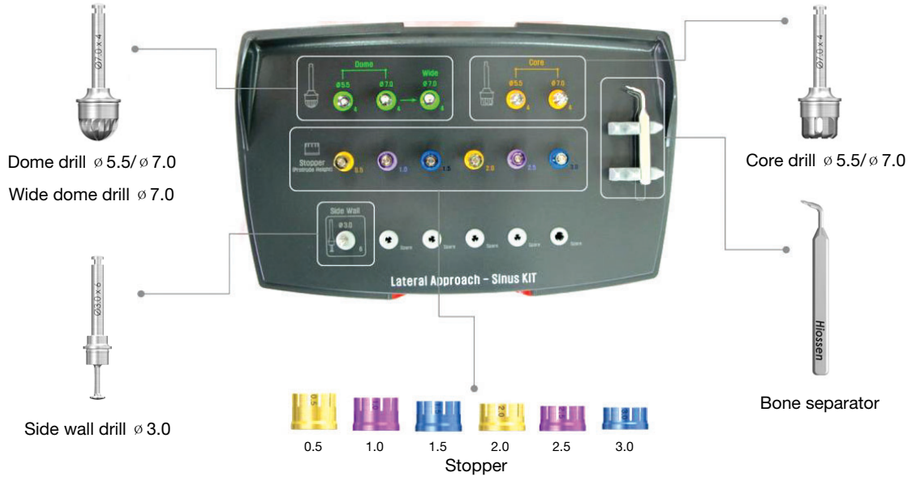
LAS-KIT (HLRSNK)

- Dome drill ⌀5.5/⌀7.0 & Wide dome drill ⌀7.0, Core drill ⌀5.5/⌀7.0, Side wall drill, Bone separator, Stopper 0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0
- Sinus Kit sold separately.

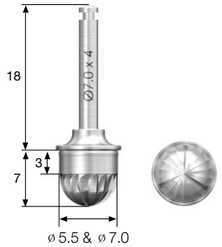


LAS-KIT Plus (HLRSNKP)

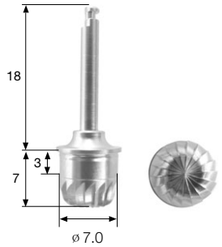
- Dome drill ⌀5.5/⌀7.0 & Wide dome drill ⌀7.0, Core drill ⌀5.5/⌀7.0, Side wall drill, Bone separator, Stopper 0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0



LAS Surgical Instruments for OSSTEM IMPLANT



Dome drill



Wide dome drill

• Dome Drill

- Macro and Micro cutting blades offer excellent cutting
- Cutting Speed: 1,200 ~ 1,500 RPM
- Drilling depth controlled with stopper system

• Wide dome drill

- Used to widen the window after using Dome drill
- Excellent side cutting ability
- Drilling depth controlled with stopper system
- Cutting Speed: 1,200 ~ 1,500 RPM

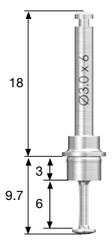
* Caution: Over drilling may cause membrane perforation.

Core drill

• Core drill

- Creates window while creating bone lid to minimize direct contact
- Drill design follows the successful design concept of CAS drills
- Cutting Speed: 1,200 ~ 1,500 RPM
- Drilling depth controlled with stopper system

* Caution: Over drilling may cause membrane perforation.



Side wall drill

• Side wall drill

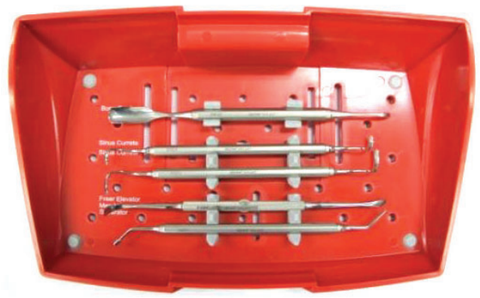
- Enlarges the window after using Dome drill
- Cutting Speed: 1,500 RPM
- Recommended to use cutting edge 1mm from the bottom.

• Drilling depth controlled with CAS-KIT Stopper system

CAS-KIT Stopper(mm)	측면 절삭부 높이 (H:mm)	Side wall drill + CAS-KIT Stopper
12	5	
11	4	
10	3	
9	2	
8	1	

LAS Surgical Instruments for OSSTEM IMPLANT

• LAS-KIT Plus is the LAS-KIT with 5 operation tools added for Sinus lift on the bottom plate.



※ **Bottom plate components (5 pcs.)**

Freer Elevator : FREL
Bone Graft Carrier : BGCR
Membrane Separator : MBSP
Sinus Curette : Short - SNCRS
Sinus Curette : Long - SNCRL

Instrument	D.	Code
Dome drill	ø 5.5	LSDR554TD
	ø 7.0	LSDR74TD
Wide dome drill	ø 7.0	LSDR74WTD
Core drill	ø 5.5	LSDR554TC
	ø 7.0	LSDR74TC
Side wall Drill	-	SWDR36T
Bone Separator	-	HST75

Stopper	0.5	1.0	1.5	2.0	2.5	3.0
Code	LSNSH0.5	LSNST1.0	LSNST1.5	LSNST2.0	LSNST2.5	LSNST3.0

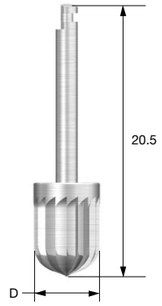
ESSET KIT (HESEK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			

ESSET KIT Surgical Components

Crest Remover

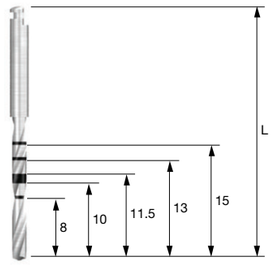


D	ø 7.0
Code	CERM70

- Packing Unit: each part

- Used for arranging crest bone
- Recommended rpm: 1200~1500 rpm

Twist Drill

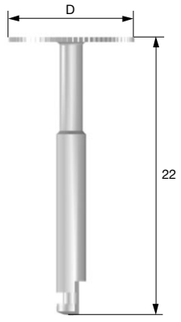


Code	D	L
OSMSD18L	ø 1.8	32
OSMSD18S	ø 1.8	42

- Packing Unit: each part

- Used as an initial drill for ridge splitting
- Laser marking to help adjust the drilling depth according to the insertion depth

Saw

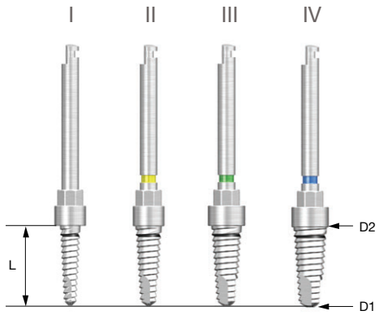


Code	D	날두께
RA231DC070	ø 7.0	0.3
RA231DC100	ø 10.0	0.3
58231DC204130	ø 13.0	0.3

- Packing Unit: each part

- Used for arranging or cutting ridge
- Bone removal ratio is minimized with 0.3 mm blade thickness.
- Recommended rpm: 1200~1500rpm

SET Drill



L	Type			
	I	II	III	IV
8.5	SET162808	SET223608	SET274108	SET314508
10	SET162810	SET223610	SET274110	SET314510
11.5	SET162811	SET223611	SET274111	SET314511
D1/D2	ø 1.6/2.8	ø 2.2/3.6	ø 2.7/4.1	ø 3.1/4.5

- Packing Unit: each part

- Tool for split & expansion crest bone
- Used in the sequence of Type I, II, III, and IV
- Recommended rpm: 25~35 rpm

Bur

Code	D
2900141F206050	ø 5.0
25072FX104060	ø 6.0

- Packing Unit: each part

Mount Extension

Code	ASMEL

- Packing Unit: each part

- Used to change the SET drill for torque

Torque Wrench

Code	TQWCB

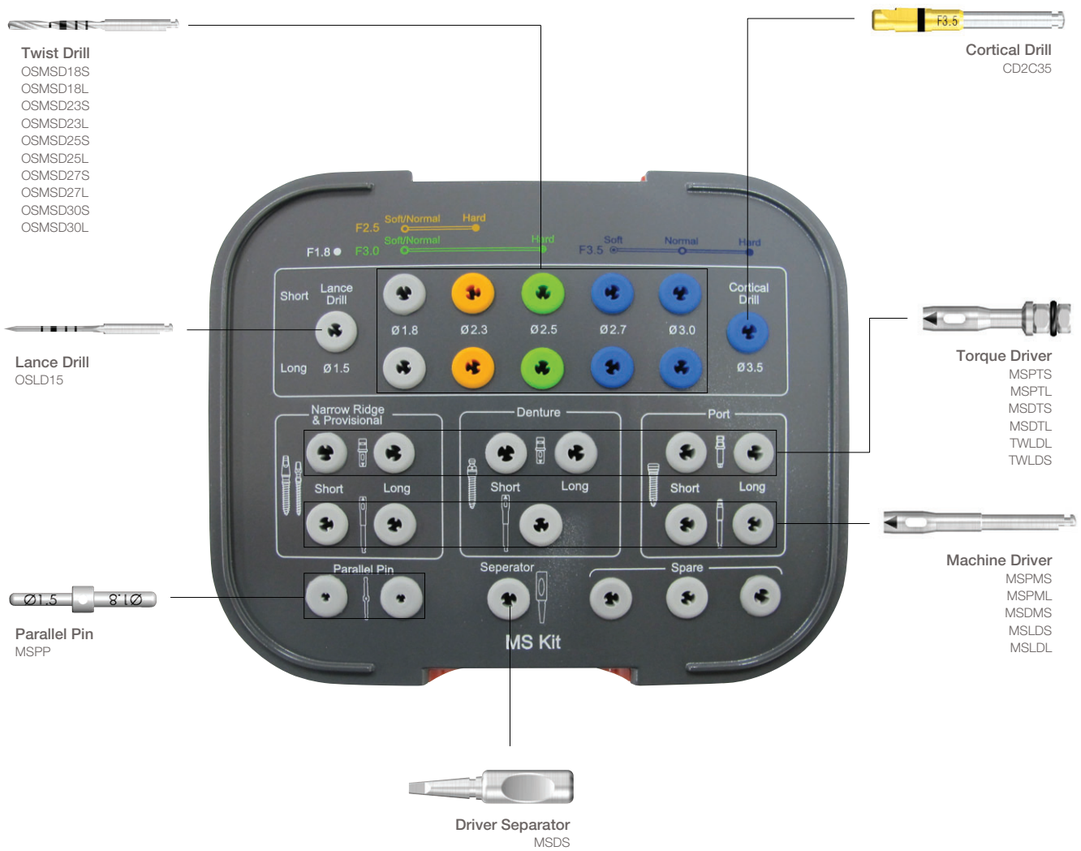
- Packing Unit: each part

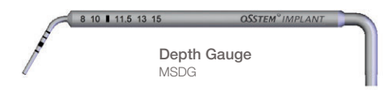
- Used to change the SET drill for torque and to apply torque

MS KIT (OMSK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			





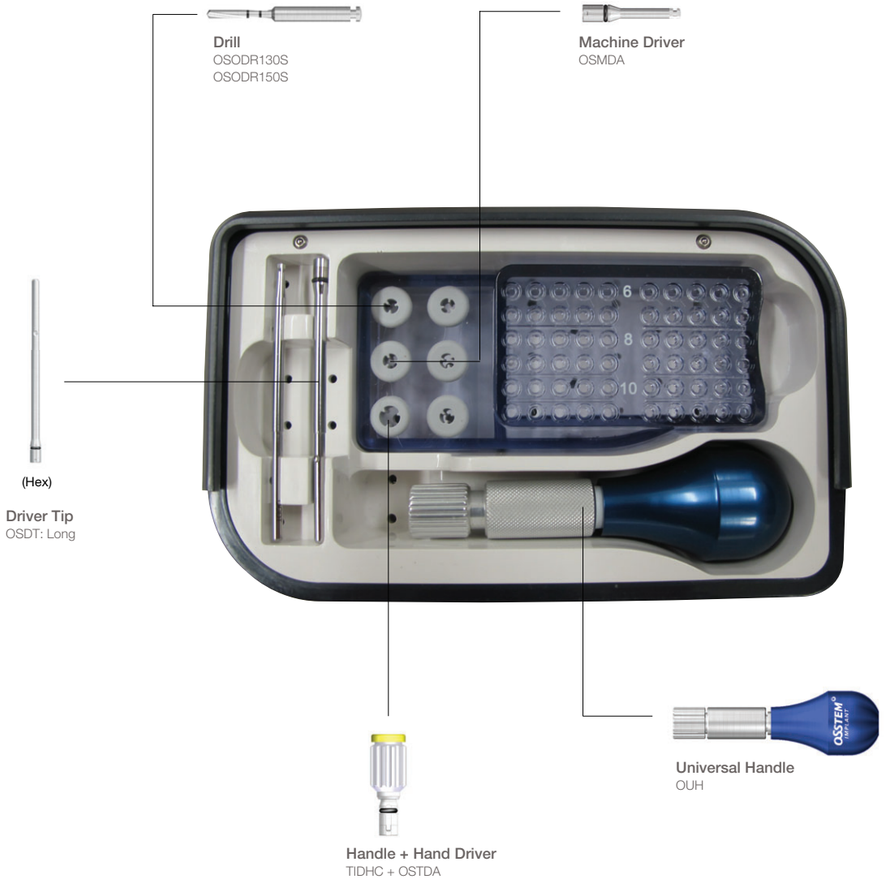
Depth Gauge
MSDG

(Components of lower plate)

Ortho KIT (OOKS)

Use range (Use ■)

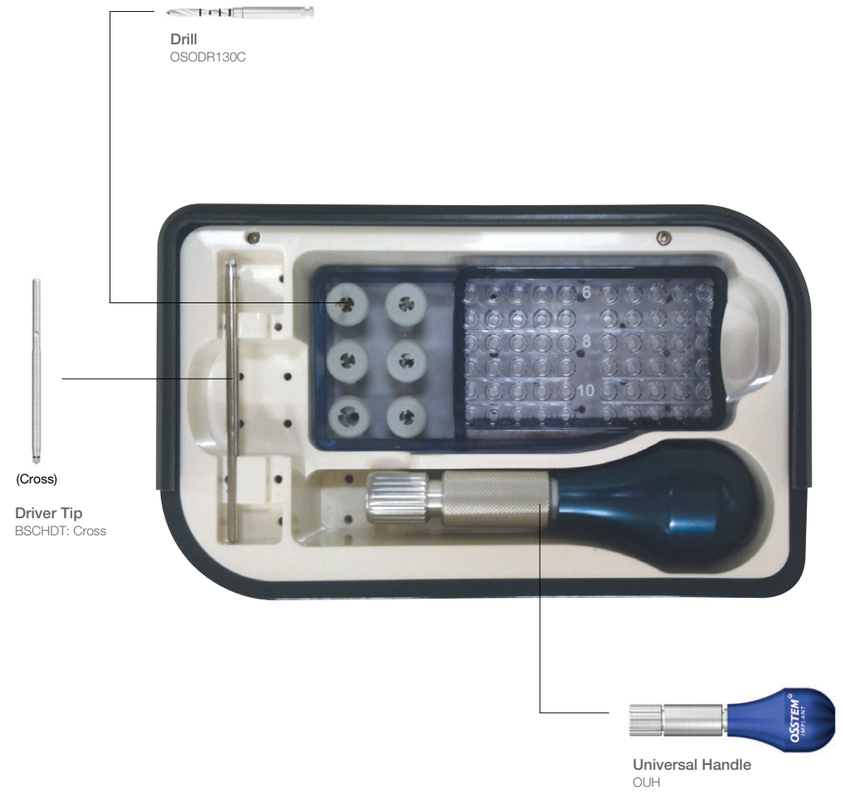
USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Bone Screw KIT (BSSTKT)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS	BS
USIII	SSIII	TSIII				



Custom KIT(OCTK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			

OCTK

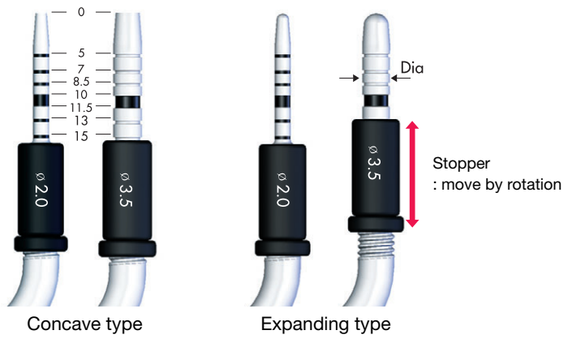
- When only part in the surgical operation organization sterilization, uses.
- Composition of additional rubber (small, middle, large)
- Use for autoclave (132℃, 15min)

Osteo KIT (OSTK)

OSTK

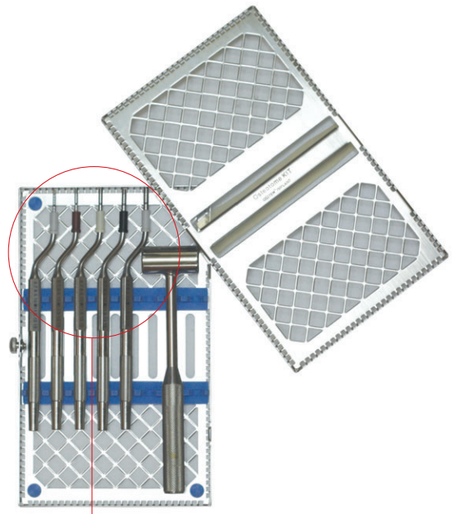
- Concave Osteotome : Use for maxillary sinus elevation for the vertical expansion of the volume of alveolar bone available in the maxillary posterior
- Expanding Osteotome : Without cutting low-quality bone, the preservation of the bone densifies the bone trabeculato enhance the initial bonding of implants
- Stopper for the adjustment of surgical depth

Dia.	Concave type	Expanding type
ø 2.0mm	OST20CA	OST20EA
ø 2.5mm	OST25CA	OST25EA
ø 3.0mm	OST30CA	OST30EA
ø 3.5mm	OST35CA	OST35EA
ø 4.0mm	OST40CA	OST40EA
Mallet	OSTMP	



Concave type　　Expanding type

Osteotome KIT (AOST)



AOST

- Use for maxillary sinus elevation for the vertical expansion of the volume of alveolar bone available in the maxillary posterior
- Includes only the concave type
- Stopper for the adjustment of surgical depth

Dia.	Concave type
ø 2.0mm	OST20CA
ø 2.5mm	OST25CA
ø 3.0mm	OST30CA
ø 3.5mm	OST35CA
ø 4.0mm	OST40CA
Mallet	OSTM

Sinus KIT (ASLK)

ASLK

- Various types of tools (5) used for the sinus procedure
- Sinus operation instrument for lateral approach

※ **5 components**

Freer Elevator : OFE

Bone Graft Carrier : OBGC

Membrane Separator (Circle type) : OMSC

Sinus Currette-Short : OSCS

Sinus Currette-Long : OSCL

Abutment Selector [TSASK]

TSASK

- The kits to be selected before selecting an abutment.

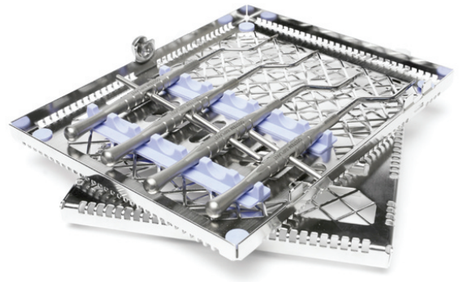
※ Component

Rigid each 2ea. Total 28ea

Angled each 1ea. Total 6ea

- Caution : Kit case sterilization impossibility

Bone Spreader KIT (OBSOK)

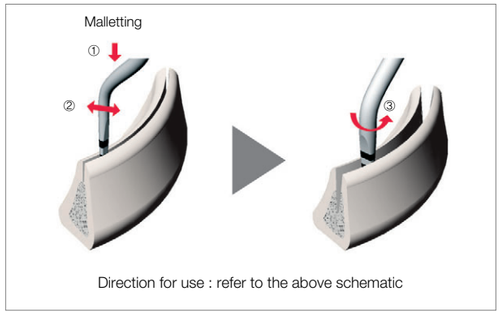


OBSOK

- Use for alvelar bone expansion
- Offset type for easy operation

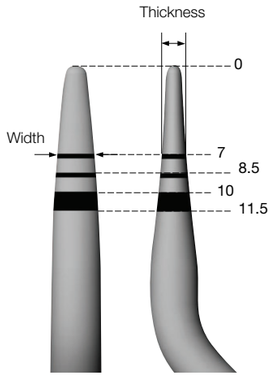
※ **Components**

OBSO22F, OBSO28F, OBSO35F, OBSO35R



Direction for use : refer to the above schematic

- Use for alveolar bone expansion
- Offset type for easy operation
- Depth marking corresponding to the implant length.



(Unit : mm)

Code \ Spec. \ Tip length		7	8.5	10	11.5
OBSO22F	Thickness	1.15	1.3	1.45	1.6
	Width	2.1	2.2	2.2	2.2
OBSO28F	Thickness	1.15	1.3	1.45	1.6
	Width	2.65	2.8	2.8	2.8
OBSO35F	Thickness	1.3	1.45	1.6	1.8
	Width	3.3	3.5	3.5	3.5
OBSO35R (Round Type)	Thickness	1.85	2.1	2.3	2.55
	Width	3.3	3.5	3.5	3.5

Ridge Split KIT- Straight (ORSSK)

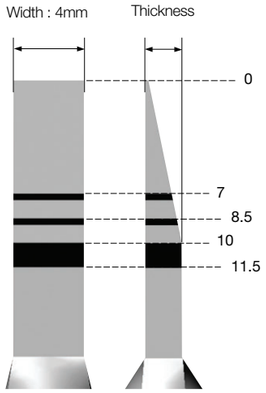
ORSSK

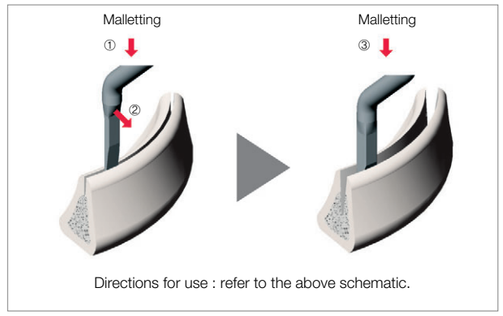
※ **Components**

Ridge Split Chisel : ORSS15, ORSS20, ORSS25, ORSS30

Blade Holder : ORSBH

- Chisel : Use to expand narrow alveolar bone
- Use to malletting by connecting #15 Blade in case of difficult incision in soft bone





(Unit : mm)

Code \ Spec. / Tip length		7	8.5	10	11.5
ORSS15	Thickness	1.1	1.27	1.5	1.5
	Width	4	4	4	4
ORSS20	Thickness	1.45	1.7	2.0	2.0
	Width	4	4	4	4
ORSS25	Thickness	1.8	2.15	2.5	2.5
	Width	4	4	4	4
ORSS30	Thickness	2.15	2.5	3.0	3.0
	Width	4	4	4	4

Ridge Split KIT- Offset (ORSOK)

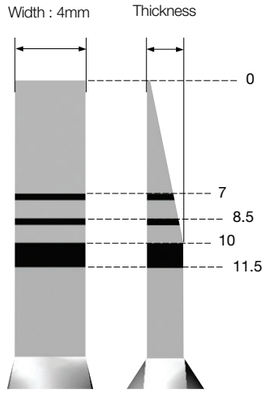
ORSOK

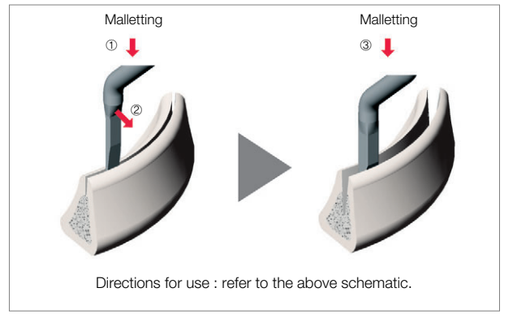
※ **Components**

Ridge Split Chisel : ORSO15, ORSO20, ORSO25,ORSO30

Blade Holder : ORSBH

- Chisel : Use to expand narrow alveolar bone
- Blade holder : Use to malletting by connecting #15 Blade in case of difficult incision in soft bone





(Unit : mm)

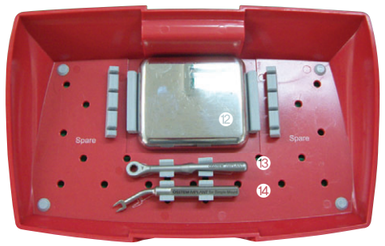
Code \ Spec. / Tip length		7	8.5	10	11.5
ORSO15	Thickness	1.1	1.27	1.5	1.5
	Width	4	4	4	4
ORSO20	Thickness	1.45	1.7	2.0	2.0
	Width	4	4	4	4
ORSO25	Thickness	1.8	2.15	2.5	2.5
	Width	4	4	4	4
ORSO30	Thickness	2.15	2.5	3.0	3.0
	Width	4	4	4	4

1. Implant System

- The implants that can be used with OsstemGuide are the tapered type implant systems of Osstem and Hiossen.

▶ If length of 7 or 15mm fixture is to be used, you should purchase the exclusively designed drill.

2. Surgical Kit (Code : OGDK) components



❶ Anchor drill
- QGATD13

❷ Anchor Screw
- QGAS18

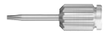
❸ Tissue punch
- QGTP33M
- QGTP38R
- QGTP47R
- QGTP53W

❹ Initial drill
- QGID20M
- QGID20R
- QGID20W

❺ Twist Drill
- QGTD2008
- QGTD2010
- QGTD2011
- QGTD2013
- QGTD3008
- QGTD3010
- QGTD3011
- QGTD3013
- QGTD3308
- QGTD3310
- QGTD3311
- QGTD3313
- QGTD3808
- QGTD3810
- QGTD3811
- QGTD3813
- QGTD4308
- QGTD4310
- QGTD4311
- QGTD4313

❻ Cortical Drill 3
- QGCD335M
- QGCD340R
- QGCD345R
- QGCD350W

❼ Drill Guide
- QGDG20M
- QGDG30M
- QGDG20R
- QGDG30R
- QGDG33R
- QGDG38R
- QGDG20W
- QGDG30W
- QGDG38W
- QGDG43W



❽ 1.2 Hex hand driver
- AHD12SH
- AHD12LH

❾ 1.2 Hex torque driver
- TRHD12S
- TRHD12L

❿ Mount Driver
- ASMDS

❿ Mount Extension
- ASMES

⓫ Removal Tool
- QGRTR

⓫ USIII Countersink
- OGUSCS45W

⓬ Kit Steel bowl
- AKB

⓭ Ratchet Wrench
- CITQW-1185A

⓮ Open Wrench
- ASOW

3. Optional operation tools

- The tools that are clinically needed in addition to the tools provided with the OsstemGuide KIT are shown in the list below.

Drill Guide

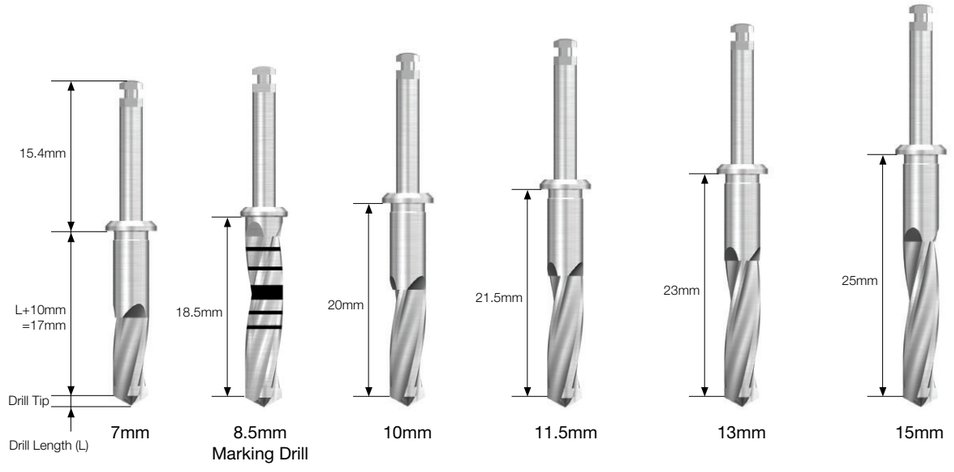
Twist Drill

L \ D	ø 2.0	ø 3.0	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
7	QGTD2007 *	QGTD3007 *	QGTD3307 *	QGTD3607 *	QGTD3807 *	QGTD4107 *	QGTD4307 *	QGTD4607 *
8.5				QGTD3608 *		QGTD4108 *		QGTD4608 *
10				QGTD3610 *		QGTD4110 *		QGTD4610 *
11.5				QGTD3611 *		QGTD4111 *		QGTD4611 *
13				QGTD3613 *		QGTD4113 *		QGTD4613 *
15	QGTD2015 *	QGTD3015 *	QGTD3315 *	QGTD3615 *	QGTD3815 *	QGTD4115 *	QGTD4315 *	QGTD4615 *
Drill Guide				QGDG36R * (Regular)		QGDG41R * (Regular)		QGDG46W * (Wide)

The products marked with " * " are not included in the kit and you should purchase them if needed.

4. Specific features of surgical drills

- All of the drills have the drill stops to meet OsstemGuide drill guides.
- Each drill has additional length of 10mm to meet the installation height of surgical template and drill guide.
- 8.5mm length drill is laser-marked at 7/8.5/10/11.5/13/15mm and can be used in common surgery without OsstemGuide.
- Especially, although the lateral side of the drill touches the gingival during flapless operation, the uniquely designed drill does not damage the soft tissue.
- The tip length of ø 2.0 drill is 0.6mm, ø 3.0 drill is 0.9mm, and ø 3.3 ~ ø 4.6 drill is 1mm.



4. OsstemGuide™ Mount

- The exclusively designed mount for OsstemGuide surgery is to be used for implantation after combination with the fixture. The configuration is different by the specification of the implant system.
  Use it to meet the color of the sleeve combined with OsstemGuide template.

System	Connection	Fixture Dia.	Code	Color
TS/GS	Mini	3.5	QGHGMM	Yellow
	Regular	4.0, 4.5	QGHGMR	Green
	Wide	5.0	QGHGMW	Purple

System	Connection	Fixture Dia.	G/H	Code	Color
SS	Regular	4.8	1.8	OGSSMR18	Yellow
			2.8	OGSSMR28	Green
	Wide	6.0	2.0	OGSSMW20	Purple

System	Connection	Fixture Dia.	Code	Color
US	Mini	3.5	OGUSMM	Yellow
	Regular	4.1	OGUSMR	Green
	Wide	5.1	OGUSMW	Purple

TS / GS Mount

SS Mount

US Mount

5. OsstemGuide™ Cylinder Guide

- It is the exclusively designed prosthetic components for OsstemGuide and is used with combination with common fixture lab analog.
  Use it to meet the color of the sleeve combined with OsstemGuide template.

System	Connection	Fixture Dia.	Code	Color
TS/GS	Mini	3.5	QGHGCGM	Yellow
	Regular	4.0, 4.5	QGHGCGR	Green
	Wide	5.0	QGHGCGW	Purple

System	Connection	Fixture Dia.	G/H	Code	Color
SS	Regular	4.8	1.8	OGSSCGR18	Yellow
			2.8	OGSSCGR28	Green
	Wide	6.0	2.0	OGSSCGW20	Purple

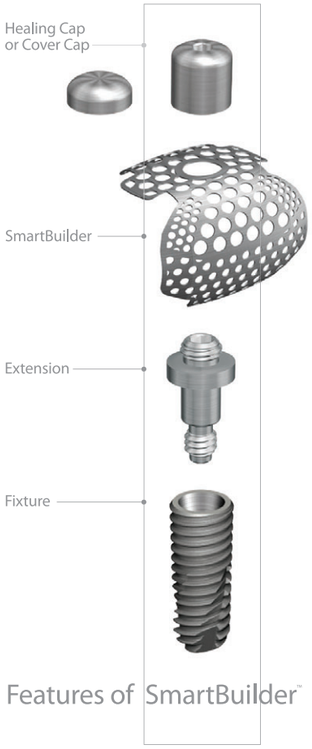
System	Connection	Fixture Dia.	Code	Color
US	Mini	3.5	OGUSCGM	Yellow
	Regular	4.1	OGUSCGR	Green
	Wide	5.1	OGUSCGW	Purple

TS / GS Cylinder Guide

SS Cylinder Guide

US Cylinder Guide

A chance to meet refined technology



Features of SmartBuilder™

Built to promote bone formation

SmartBuilder is a non-absorbable, titanium membrane used to regenerate periodontal tissue. SmarBuilder promotes bone formation in areas where natural bone defect has occurred.

- **Customized for all degrees of bone defect**
- **Designed to be profoundly user-friendly**
- **Punctured for better blood supply**

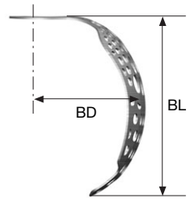
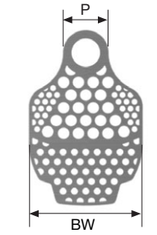
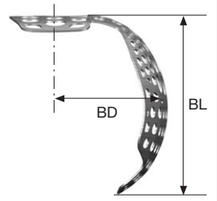
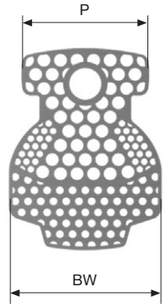
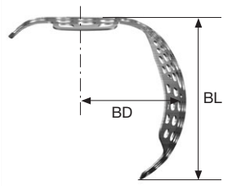
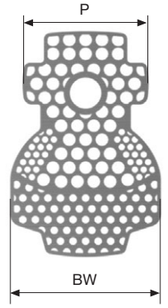
Suitable for all situations in all patient types

Choose product according to the form and degree of bone defect, and also gingival tissue volume.

Type	1 wall augmentation Buccal side bone defect	2 wall augmentation Buccal, Proximal(Mesial-Distal) side bone defect	3 wall augmentation Buccal, Proximal(Mesial-Distal) and Lingual side bone defect
3D Design			
Unfolded image			

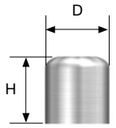
※ 3 Types, 15 specifications

■ Classification of SMARTbuilder

Classification	SMARTbuilder SB2		P (Proximal)	BW (Buccal width)	BL (Buccal length)	BD (Buccal distance)	Code
	3D	Unfolded Image					
1 wall augmentation 			4	8	7	5.5	SM1W487SB
			4	10	7	5.5	SM1W4107SB
			4	10	9	5.5	SM1W4109SB
2 Wall augmentation (Buccal-Proximal) 			7	9	7	5.5	SM2W797SB
			7	9	9	5.5	SM2W799SB
			10	12	7	5.5	SM2W10127SB
			10	12	9	5.5	SM2W10129SB
			12	12	7	5.5	SM2W12127SB
			12	12	9	5.5	SM2W12129SB
3 wall augmentation 			7	9	7	5.5	SM3W797SB
			7	9	9	5.5	SM3W799SB
			10	12	7	5.5	SM3W10127SB
			10	12	9	5.5	SM3W10129SB
			12	12	7	5.5	SM3W12127SB
			12	12	9	5.5	SM3W12129SB

■ Components

Healing Cap

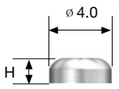


mm

D \ H	ø 4.0
3.0	SMHA443R
4.0	SMHA444R

- 1 stage procedure
- Torque application : 5~8Ncm
- 1.2 Hex hand driver placement

Cover Cap

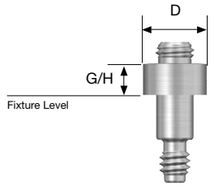


mm

D \ H	ø 4.0
1.5	SMCC415

- 2 stage procedure
- Torque application : 5~8Ncm
- Cover Cap driver placement

Extension (for TS)



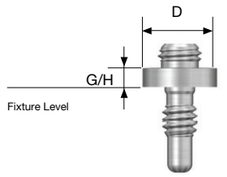
mm

	Mini	Regular
G/H \ D	ø 3.5	ø 4.0
0.5	SMHI305TSM	SMHI405TSR
1.0	SMHI310TSM	SMHI410TSR
1.5	SMHI315TSM	SMHI415TSR
2.0	SMHI320TSM	SMHI420TSR
2.5	SMHI325TSM	SMHI425TSR
3.0	SMHI330TSM	SMHI430TSR

- 1.2 Hex hand driver placement
- Torque application : 12~15Ncm

■ Components

Extension (for US)

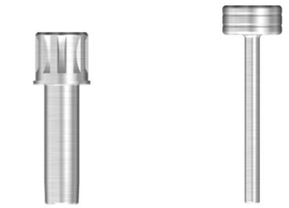


mm

G/H \ D	Mini ø 3.5	Regular ø 4.0	Wide ø 5.1	Wide PS ø 5.0
1.0	SMHI310USM	SMHI410USR	SMHI510USW	SMHI510USP
1.5	SMHI315USM	SMHI415USR	SMHI515USW	SMHI515USP
2.0	SMHI320USM	SMHI420USR	SMHI520USW	SMHI520USP
2.5	SMHI325USM	SMHI425USR	SMHI525USW	SMHI525USP
3.0	SMHI330USM	SMHI430USR	SMHI530USW	SMHI530USP

- 1.2 Hex hand driver placement
- Torque application : 12~15Ncm

Cover Cap Driver Ejector Set



Cover Cap Driver

Cap Ejector

Code	Long	Short
	SMCDES	SMCDESS

- Cover Cap placement
- Friction placement structure
- Remove Cover Cap with Cap ejector
- Cap driver and Cap ejector

Defect Gauge

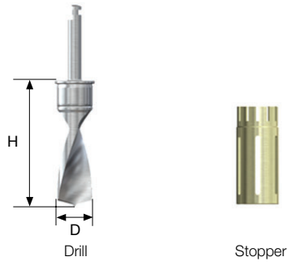
Code	SMDG

- Measure horizontal, vertical, amount of bone defect
- 4-5,9-10,14-15 broad line, each marked in 1mm units

AutoBone Collector

■ Components

AutoBone Collector



D	type	H	구성품	Code
ø 6.0	Short	18.9	Drill + Stopper	ABC604S
			Stopper	ABC2ST604S
	Long	21.9	Drill + Stopper	ABC604L
			Stopper	ABC2ST604L
ø 5.0	Short	18.9	Drill + Stopper	ABC504S
			Stopper	ABC2ST504S
	Long	21.9	Drill + Stopper	ABC504L
			Stopper	ABC2ST504L

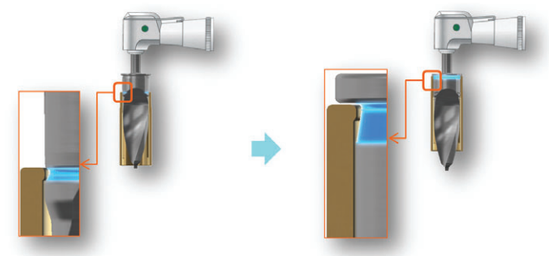
- Packing Unit:
  - ø 6.0, ø 5.0 sizes make up the (drill + stopper) set.
- Recommended rpm: 300 ~ 600rpm
- Life cycle of drill and stopper: 50 cycles
- Caution: Before starting the initial drilling, mount the stopper on the 1st-stage locking part of the drill and collect the autologous bone while advancing by 4 mm to the 2nd-stage locking part. After the bone collection, stop the drill and pull it out.

Bone Ejector

Type		Code
Bone ejector	ø 6.0 ø 5.0 Commonly used	ABBE52L

- Packing Unit: each part
- Operation tool for pushing out the autologous bone collected in the Stopper

■ 2 stage locking structure - Stopper joint guide

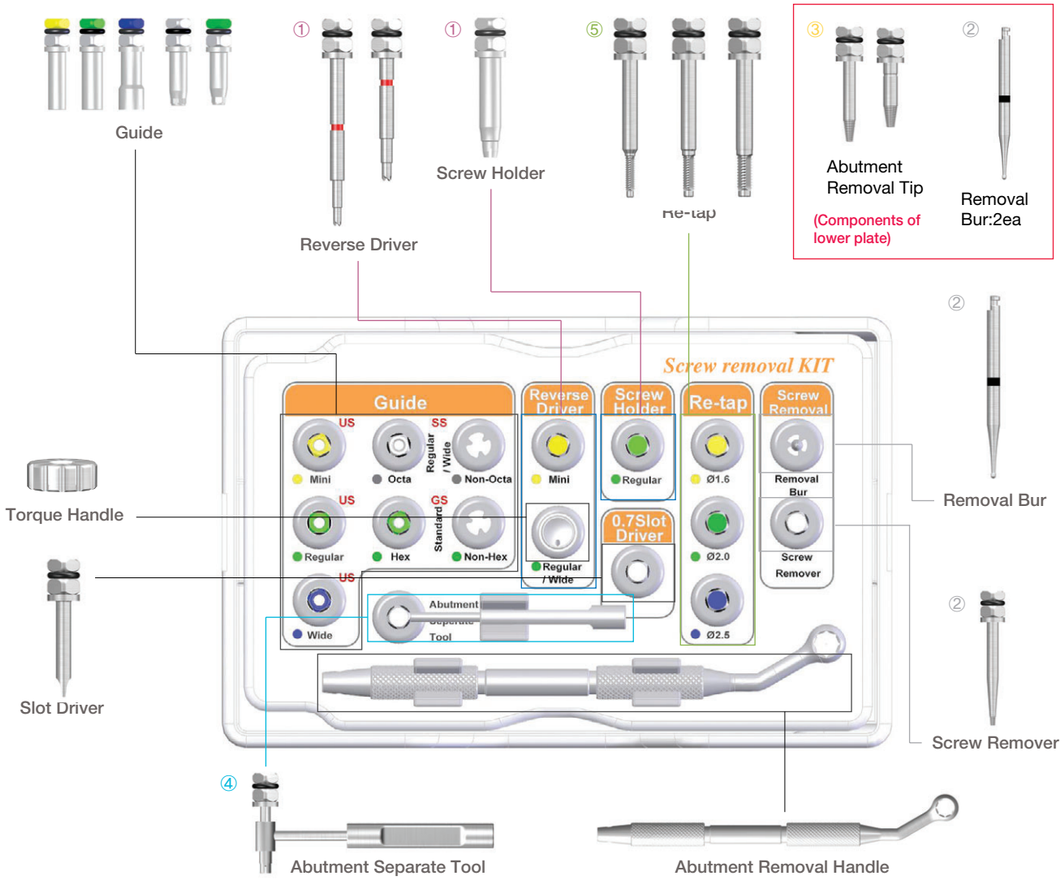


Before starting the drilling, mount the stopper on the 1st-stage locking part.

After the drilling, stop the Stopper at the 2nd-stage locking part.

※ Please see the video for the detailed operating method.

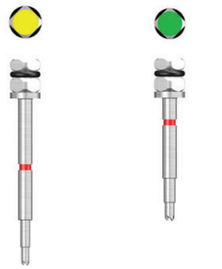
Screw removal KIT (OSSVK)



MODE				Usable Tool
①	Screw Fracture	Torque-free	Non-load mode where fragments of the abutment screws are left on the fixture, and for which torque has been released, when the screws are broken during dental prosthesis or when in use	Guide, Abutment Removal Handle, Reverse Driver, Screw Holder, Connector
②		Wedging	Mode whereby fragments of the abutment screws are left on the fixture with torque intact, or when wedging takes place, and is stubbornly fixed when the screws are broken during dental prosthesis or when in use	Guide, Abutment Removal Handle, Removal Bur, Screw Remover
③	Abutment Fail	Fracture	Mode where wedging takes place on the fragments of the abutment on the fixture, and is stubbornly fixed when the abutments are broken during use	Abutment Removal Handle & Tip Torque Handle
④		Wedging	Mode where the abutments are caught in the fixture, and not released	Abutment Separate Tool
⑤	Fixture Fail	Thread Damage	Mode where the screws are not connected with the thread of the fixture because of damage caused to the threads during the connection and removal of the screws	Re-tap

Screw Removal Tools for OSSTEM IMPLANT

Reverse Driver



Mini Regular/ Wide

	Mini	Regular/ Wide
Short	-	ORVDRS
Long	ORVDML	ORVDRL

- Packing Unit : each part

- Tool for removing broken screws
- This tool should be used together with the guide for each system
- When the marked part of the reverse drill is exposed above the guide connected to the fixture, make use of the screw-holder to remove the broken Screws
- Hand type
- Mode: Counter clockwise
- Lifecycle: Ten uses
- Color coding for easy discrimination of the specifications
- Mini: Yellow, Regular/ Wide : Green

Guide

Hex Non-Hex Octa Non-Octa Hex
TS SS US

		Mini	Regular	Wide
TS	Non-Hex	OGGMN	OGGSN	-
	Hex	OGGM	OGGS	-
SS	Non-Octe	-	OSGRN	
	Octe	-	OSGR	
US	Hex	OUGM	OUGR	OUGW

- Packing Unit : each part

- Guide used to prevent the reverse driver, the removal bur and the re-tap from centering or vibrating
- The guide should be used after connecting to the abutment removal handle
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

Screw Holder

Mini Regular Wide

	Mini	Regular	Wide
Code	OSHM	OSHR	OSHW

- Packing Unit : each part

- This tool is used for removal of fractured screw; expose the fractured screw by 1-2 threads using a reverse driver, push it on the fractured screw for combination, and remove the fractured screw.
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

Re-tap

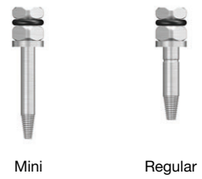
Mini Regular Wide

	Mini(M1.6)	Regular(M2.0)	Wide(M2.5)
Code	ORTM	ORTR	ORTW

- Packing Unit : each part

- Tool used for forming new threads if a screw is not connected because the threads inside the fixture have been damaged
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

Abutment Removal Tip



Mini Regular

	Mini	Regular
Code	OARTM	OARTR

- Packing Unit : each part

- This tool is used when part of a broken abutment or mount gets caught in the fixture
- Remove the fragment by shaking it with a forceps when connecting the fragment into the hole of the broken abutment, and then turn the connected part counter clock wise and fix the part
- This tool is also used for removing a screw if it is not possible to remove the screw because the hex of the screw has slipped in the case of the Mini
  - It is possible to remove the screw by turning the screw counterclockwise and fixing the screw after connecting it to the slipped hex

* Mini: Makes it possible to remove a screw whose hex has slipped

ABT Removal Tool

Code	OARH

- Packing Unit : each part

- This tool should be used in conjunction with the guide

Screw Removal Tools for OSSTEM IMPLANT

Slot Driver

Code	OTSD07

- Packing Unit : each part
- Tool to be used after forming a slot with a bur of ?0.8 if it is not possible to exert force with the driver because of damage to the hex of the healing abutment, the cover screw and the abutment screw

Torque Handle

Code	MSTH

- Packing Unit : each part
- This tool is used for initial manual installation after connecting it to the connection section of the torque driver

Removal Bur

Code	ORB

- Packing Unit : each part
- Tool for removing broken screws
- This tool is used for forming a hole on the broken surface of the screw if it is not possible to remove the screw with a reverse driver
- Rotation direction: Clockwise
- Recommended rotation speed: 1500 ~5000 rpm
- This tool should be used in conjunction with the guide
- It is necessary to minimize the generation of heat by pumping and water injection, and to remove any chips left behind after removing the screw with a suction tool

Screw Remover

Code	OSR

- Packing Unit : each part
- Rotate the screw remover in the reverse direction in the hole of the broken surface of the screw formed by the removal bur to remove a broken screw
- Mode: Counter clockwise

Transfer Abutment Separate Tool

Driver

Body

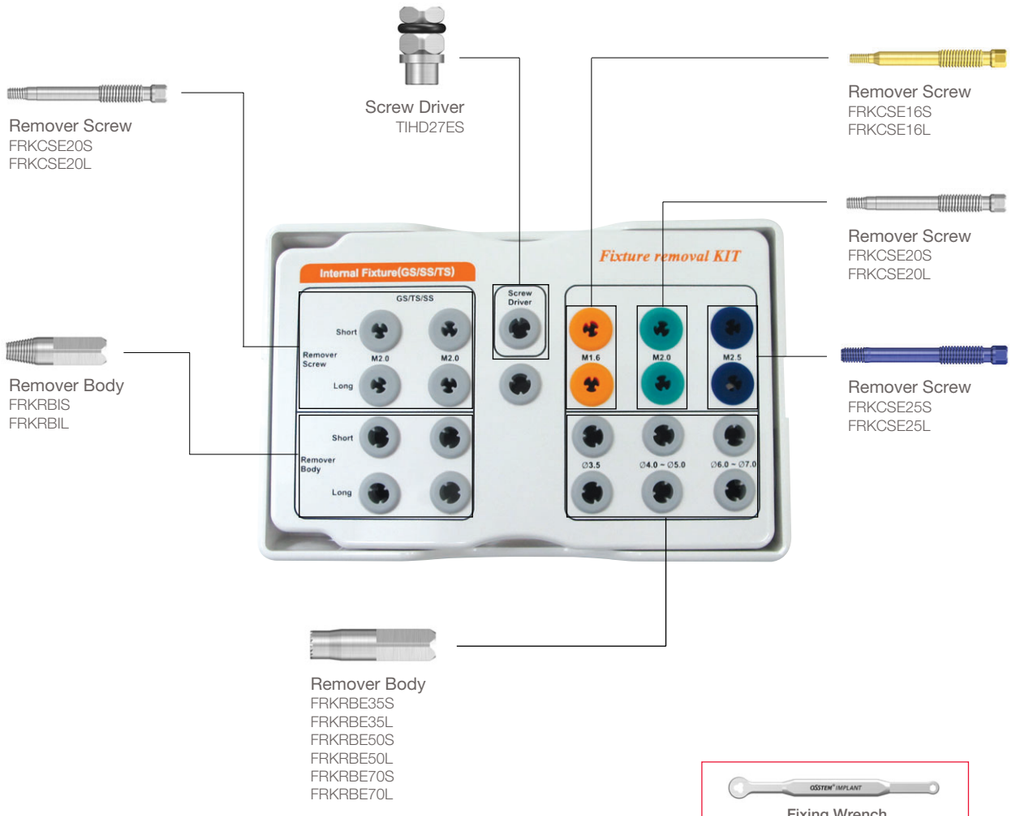
Type	Code
Driver	TASD
Body	TASB
Set	TAST

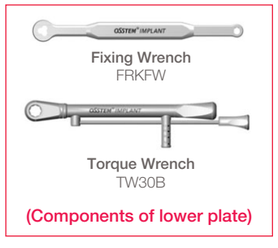
- Packing Unit : each part
- This tool is used for removing the transfer abutment of non-hex-type caught in the fixture as a result of contact with a Morse Taper
- The terminal of the body is the Mini. The standard tool is nserted into the grooves in two stages in common use
- Insert the separate tool body into the hole inside the abutment after removing the abutment screw, and tighten the driver in a clockwise direction to combine the body and the abutment for easy separation Use the tool after connecting the ratchet wrench to the driver, if it is hard to separate

Fixture Removal KIT (OSFRMK)

Use range (Use ■)

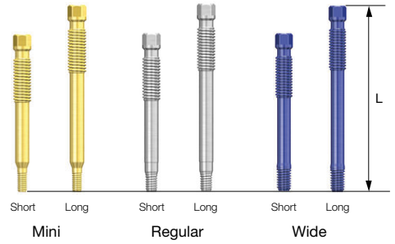
USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			





Fixture Removal KIT Surgical Components

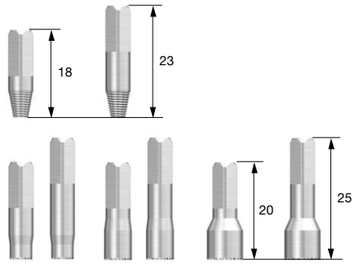
Remover Screw



	Mini	Regular	Wide
Short (27)	FRKCSE16S	FRKCSE20S	FRKCSE25S
Long (32)	FRKCSE16L	FRKCSE20L	FRKCSE25L

- Support structure for connecting and fixing the fixture and reversing the rotation of the Remover body

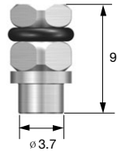
Remover Body



Type	사용 Fixture	Short	Long
Internal	-	FRKRBIS	FRKRBIL
External	ø 3.5	FRKRBE35S	FRKRBE35L
	ø 4.0~5.0	FRKRBE50S	FRKRBE50L
	ø 6.0~7.0	FRKRBE70S	FRKRBE70L

- Connected to the remover screw, tool for torque that can be applied in the direction of the loosening of the fixture.
- Four specifications are available according to the structure and diameter of the fixture to be removed.
- The internal-type fixture is applicable regardless of the diameter.
- The external-type fixture is used according to the diameter.
- Use the external type when removing the fractured fixture.

Remover Driver



Code	TIHD27ES

- Screw driver to connect and fix the remover screw with fixture

Fixing Wrench

Code	FRKFW

- Wrench for fixing the remover screw to prevent loosening

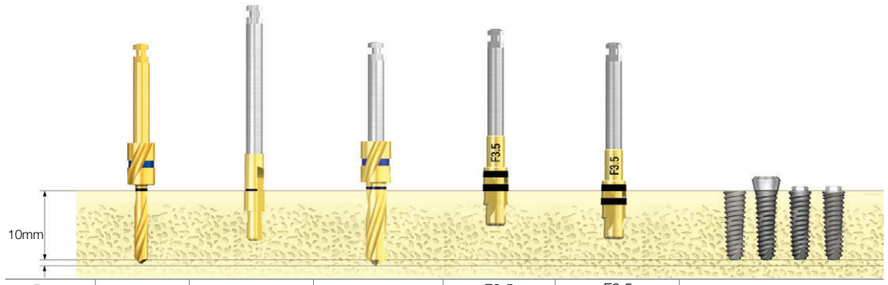
Torque Wrench

Code	TW30B

Drilling Sequence for TSIII SA / SSIII SA / SSIII / USIII SA / USIII

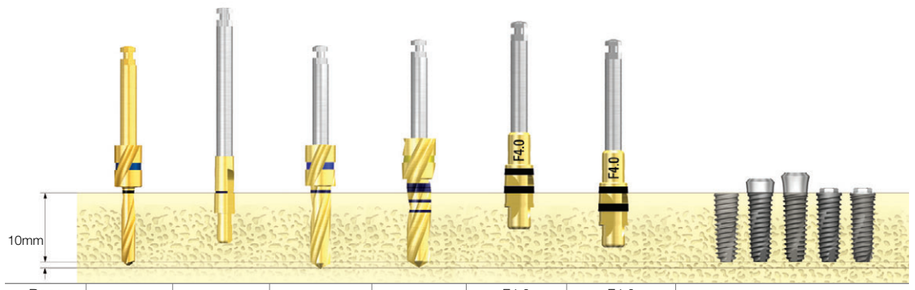
TSIII SA / SSIII SA / SSIII / USIII SA / USIII Fixture (Straight Drill)

ø 3.5mm Fixture (Length : 10mm)



Bone Quality	ø 2.2 Drill	Pilot Drill (2.2/3.0)	ø 3.0 Drill	F3.5 Cortical Drill 3	F3.5 Cortical Drill 3	3.5 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶		
Hard	▶	▶	▶		▶	

ø 4.0mm Fixture (Length : 10mm)



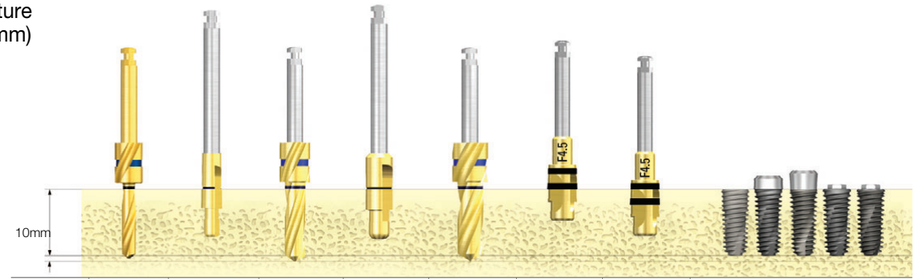
Bone Quality	ø 2.2 Drill	Pilot Drill (2.2/3.0)	ø 3.0 Drill	ø 3.3 Drill	F4.0 Cortical Drill 3	F4.0 Cortical Drill 3	4.0 Fixture
Soft	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶		▶	

※ **Recommended implant torque : 40Ncm or less**

※ **TS fixture implant depth guide**

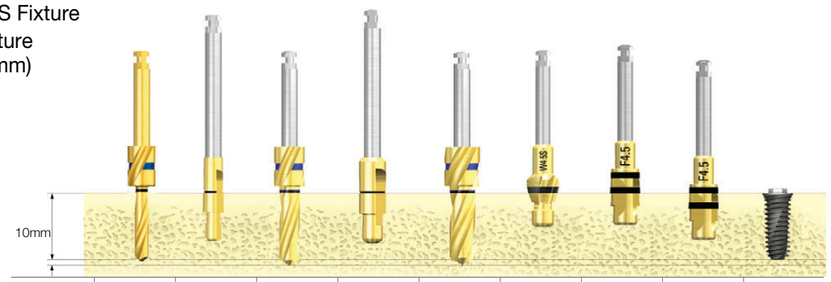
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length : 10mm)



Bone Quality	ø 2.2 Drill	Pilot Drill (2.2/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	F4.5 Cortical Drill 3	F4.5 Cortical Drill 3	4.5 Fixture
Soft	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶		▶	

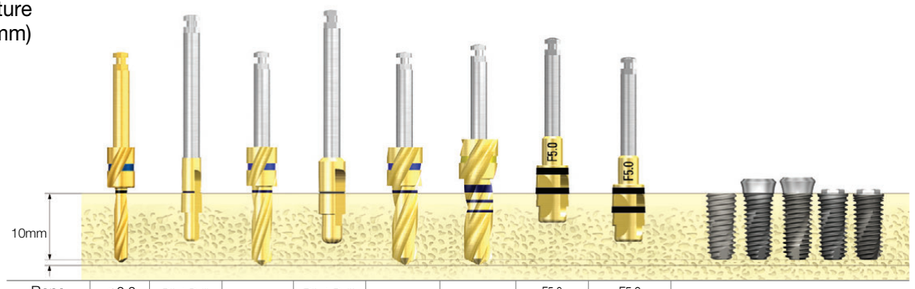
USIII Wide PS Fixture ø 4.5mm Fixture (Length : 10mm)



Bone Quality	ø 2.2 Drill	Pilot Drill (2.2/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	W4.5 CounterSink	F4.5 Cortical Drill 3	F4.5 Cortical Drill 3	4.5 Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶		▶	

※ CounterSink is available as a single unit for Wide PS 4.5 of USIII Fixture.
(Produce code : USSCS45W / Recommended drilling speed : 300rpm)

ø 5.0mm Fixture (Length : 10mm)



Bone Quality	ø 2.2 Drill	Pilot Drill (2.2/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	ø 4.3 Drill	F5.0 Cortical Drill 3	F5.0 Cortical Drill 3	5.0 Fixture
Soft	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶		▶	

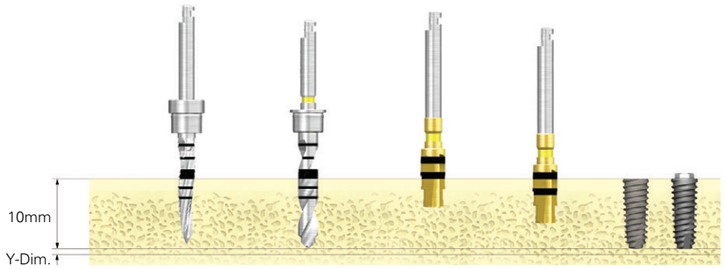
※ **TS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for TSIII SA / SSIII SA / SSIII / USIII SA / USIII

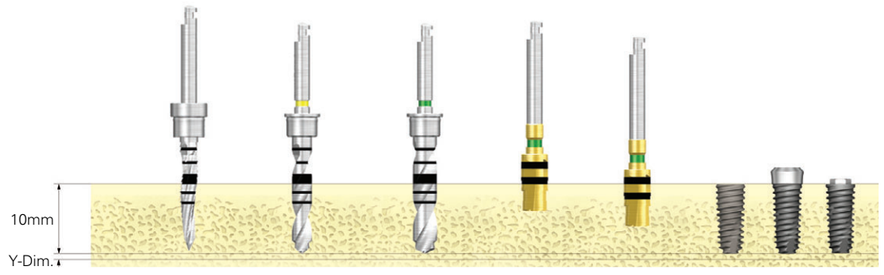
TSIII SA / SSIII SA / SSIII / USIII SA / USIII Fixture (123 Drill)

ø 3.5mm Fixture (Length : 10mm)



Bone quality	Guide Drill	ø 2.2/3.0	F3.5 Cortical drill - 하단 Line	F3.5 Cortical drill - 상단 Line	ø 3.5 Fixture
Soft	▶	▶			Implant placement
Normal	▶	▶	▶		
Hard	▶	▶		▶	

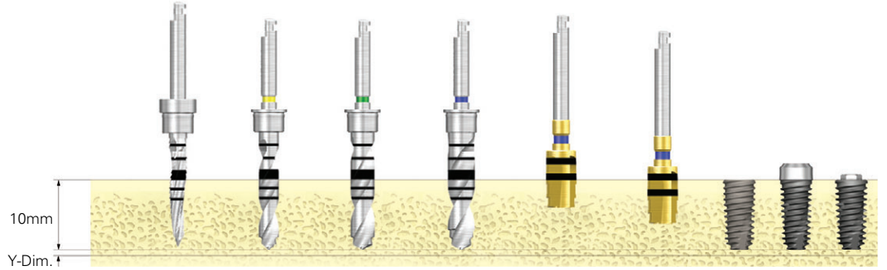
ø 4.0mm Fixture (Length : 10mm)



Bone quality	Guide Drill	ø 2.2/3.0	ø 3.0/3.6	F4.0 Cortical drill - 하단 Line	F4.0 Cortical drill - 상단 Line	ø 4.0 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	▶		
Hard	▶	▶	▶		▶	

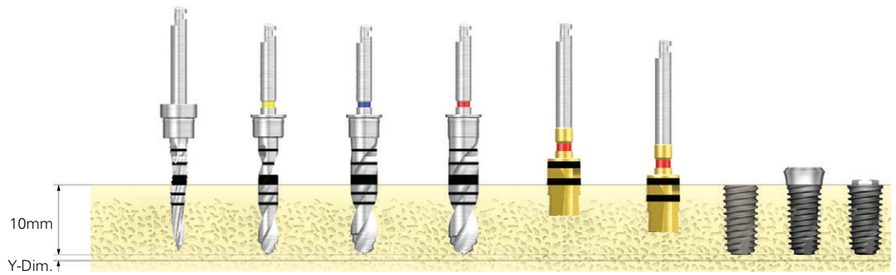
※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length : 10mm)



Bone quality	Guide Drill	ø 2.2/3.0	ø 3.0/3.6	ø 3.0/3.6/4.1	F4.5 Cortical drill - 하단 Line	F4.5 Cortical drill - 상단 Line	ø 4.5 Fixture
Soft	▶		▶				Implant placement
Normal	▶	▶		▶	▶		
Hard	▶	▶		▶		▶	

ø 5.0mm Fixture (Length : 10mm)

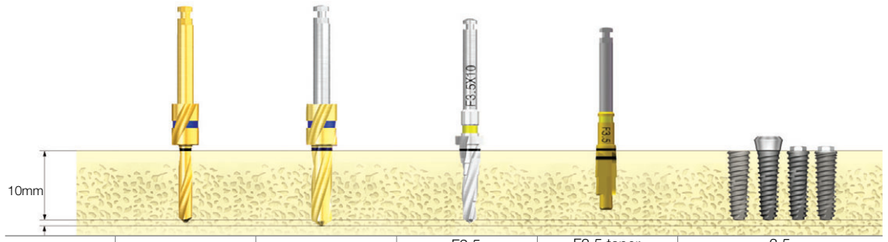


Bone quality	Guide Drill	ø 2.2/3.0	ø 3.0/3.6/4.1	ø 3.0/4.1/4.6	F5.0 Cortical drill - 하단 Line	F5.0 Cortical drill - 상단 Line	ø 5.0 Fixture
Soft	▶						Implant placement
Normal	▶						
Hard	▶						

Drilling Sequence for TSIII SA / SSIII SA / SSIII / USIII SA / USIII

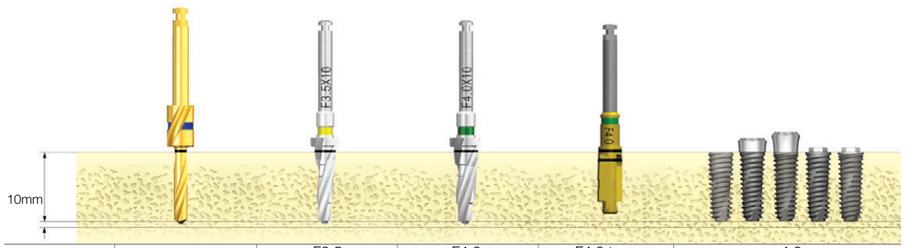
TSIII SA / SSIII SA / SSIII / USIII SA / USIII (Taper Drill)

ø 3.5mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	ø 3.0 drill	F3.5 taper drill	F3.5 taper cortical drill	3.5 Fixture
Soft	▶	▶			Implant placement
Normal	▶		▶		
Hard	▶		▶	▶	

ø 4.0mm Fixture (Length : 10mm)



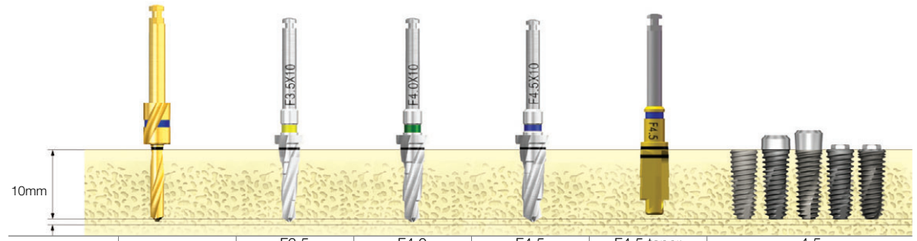
Bone quality	ø 2.2 drill	F3.5 taper drill	F4.0 taper drill	F4.0 taper Cortical drill	4.0 Fixture
Soft	▶	▶			Implant placement
Normal	▶	▶	▶		
Hard	▶	▶	▶	▶	

※ **Taper Cortical Drill**
- The lower end of marking line is used for implantation of 8.5mm or smaller fixture.
- The upper end of marking line is used for implantation of 10mm or larger fixture.

※ **Recommended implant torque : 40Ncm or less**

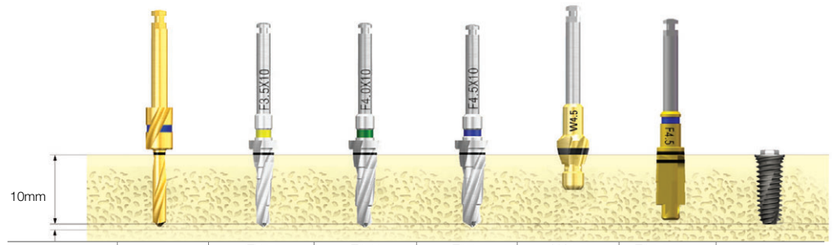
※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	F3.5 taper drill	F4.0 taper drill	F4.5 taper drill	F4.5 taper Cortical drill	4.5 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶		▶		
Hard	▶	▶		▶	▶	

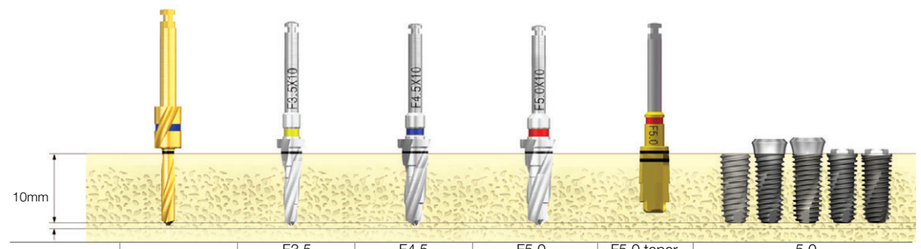
US III Wide PS Fixture ø 4.5mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	F3.5 taper drill	F4.0 taper drill	F4.5 taper drill	W4.5 CounterSink	F4.5 taper Cortical drill	4.5 Fixture
Soft	▶	▶	▶				Implant placement
Normal	▶	▶		▶	▶		
Hard	▶	▶		▶	▶	▶	

※ CounterSink is available as a single unit for Wide PS 4.5 of USIII Fixture.
(Produce code : USSCS45W / Recommended drilling speed : 300rpm)

ø 5.0mm Fixture (Length : 10mm)



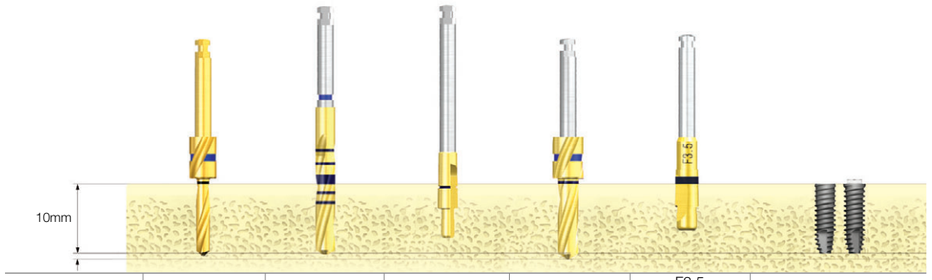
Bone quality	ø 2.2 drill	F3.5 taper drill	F4.5 taper drill	F5.0 taper drill	F5.0 taper Cortical drill	5.0 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	

※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for TSII SA / SSII SA / USII SA

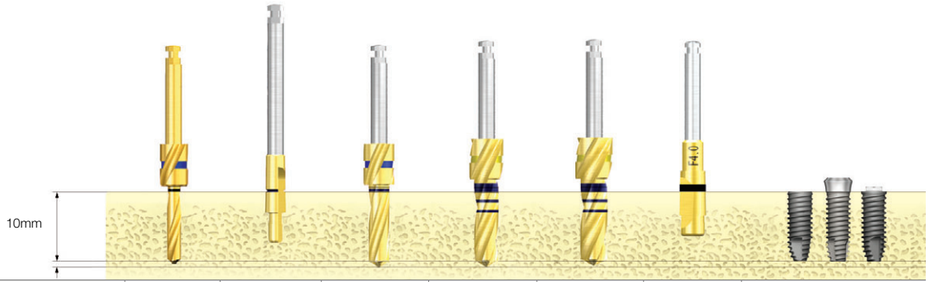
TSII SA / SSII SA / USII SA Fixture (Straight Drill)

ø 3.5mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	ø 2.7 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	F3.5 cortical drill	ø 3.5 Fixture
Soft	▶	▶				Implant placement
Normal	▶		▶	▶		
Hard	▶		▶	▶	▶	

ø 4.0mm Fixture (Length : 10mm)



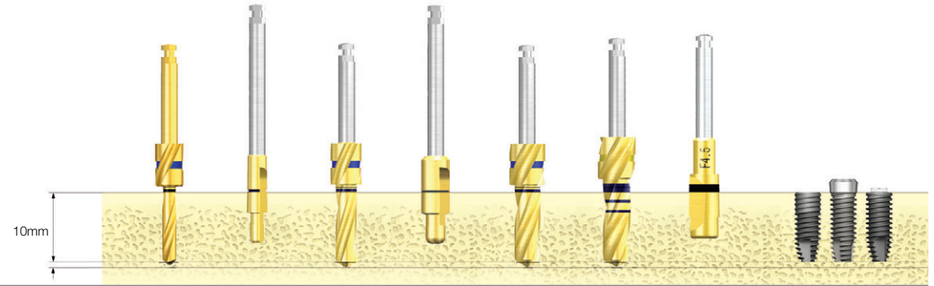
Bone quality	ø 2.2 drill	Pilot drill (2.2/3.0)	ø 3.0 drill	ø 3.3 drill	ø 3.6 drill	F4.0 cortical drill	4.0 Fixture
Soft	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶		▶		
Hard	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

※ **TS fixture implant depth guide**

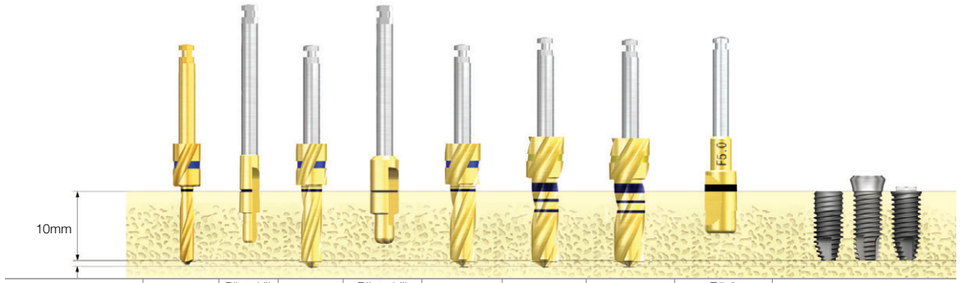
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	Pilot drill (2.2/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.1 drill	F4.5 cortical drill	4.5 Fixture
Soft	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶	▶	

ø 5.0mm Fixture (Length : 10mm)



Bone quality	ø 2.2 drill	Pilot drill (2.2/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	ø 4.6 drill	F5.0 cortical drill	5.0 Fixture
Soft	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	

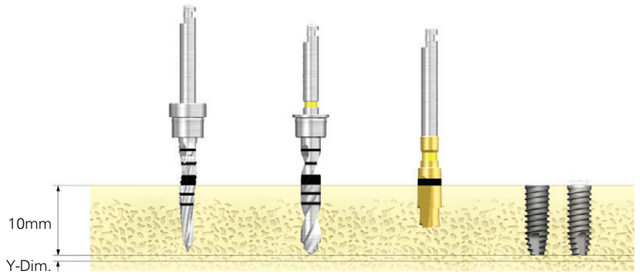
※ **TS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for TSII SA / SSII SA / USII SA

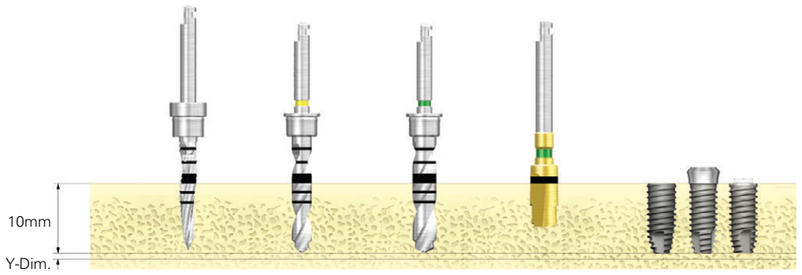
TSII SA / SSII SA / USII SA Fixture (123 Drill)

ø3.5mm Fixture (Length : 10mm)



Bone quality	Guide Drill	ø2.2/3.0	F3.5 Cortical drill	ø3.5 Fixture
Soft	▶	▶		Implant placement
Normal	▶	▶		
Hard	▶	▶	▶	

ø4.0mm Fixture (Length : 10mm)

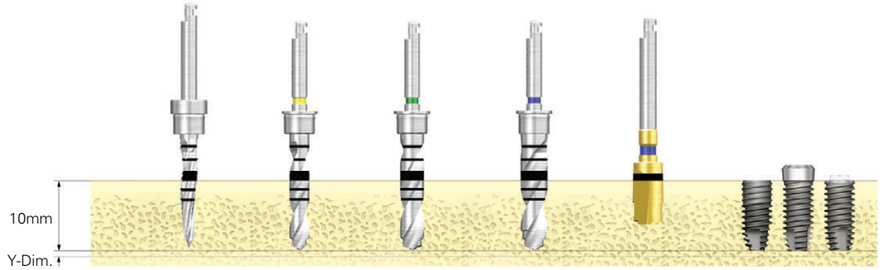


Bone quality	Guide Drill	ø2.2/3.0	ø3.0/3.6	F4.0 Cortical drill	ø4.0 Fixture
Soft	▶	▶			Implant placement
Normal	▶	▶	▶		
Hard	▶	▶	▶	▶	

※ **TS fixture implant depth guide**

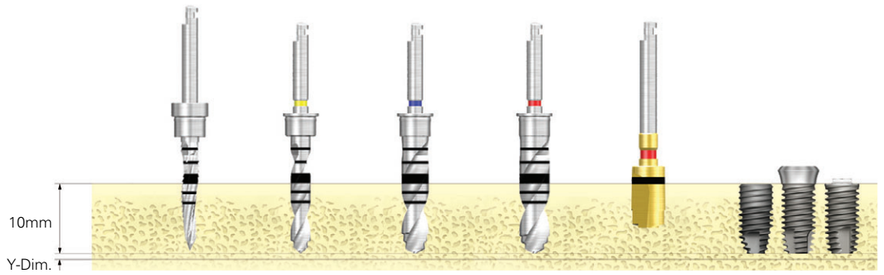
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø4.5mm Fixture (Length : 10mm)



Bone quality	Guide Drill	ø2.2/3.0	ø3.0/3.6	ø3.0/3.6/4.1	ø3.0/3.6/4.1	F4.0 Cortical drill	ø4.5 Fixture
Soft	▶		▶				Implant placement
Normal	▶	▶		▶			
Hard	▶	▶		▶	▶		

ø5.0mm Fixture (Length : 10mm)

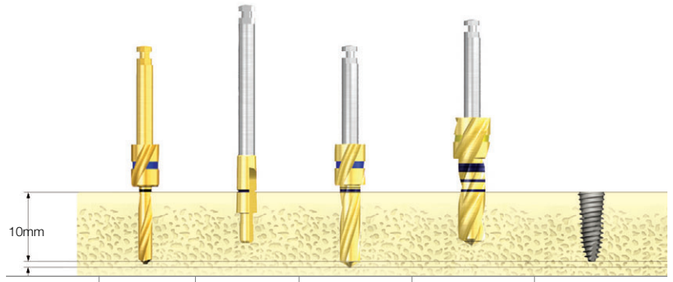


Bone quality	Guide Drill	ø2.2/3.0	ø3.0/3.6/4.1	ø3.0/4.1/4.6	F5.0 Cortical drill	ø5.0 Fixture
Soft	▶		▶			Implant placement
Normal	▶	▶		▶		
Hard	▶	▶		▶	▶	

Drilling Sequence for TSIV SA

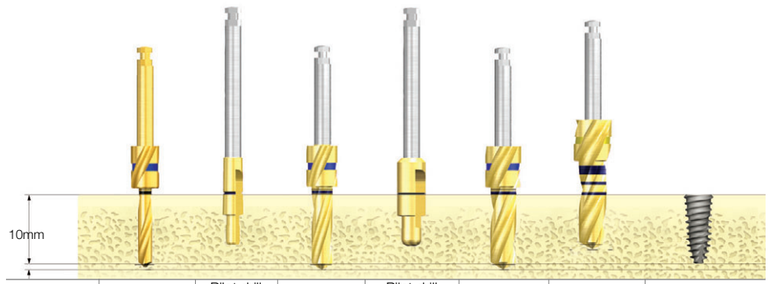
TSIV SA Fixture (Straight Drill)

ø 4.0mm Fixture (Length : 10mm)



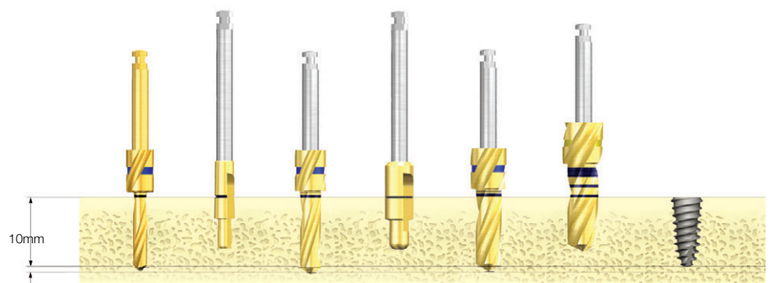
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.6 drill (Half)	4.0 Fixture
D4	▶				Implant placement
Soft	▶	▶	▶	▶	

ø 4.5mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.1 drill (Half)	4.5 Fixture
D4			▶				Implant placement
Soft	▶	▶	▶	▶	▶	▶	

ø 5.0mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill (Half)	5.0 Fixture
D4			▶				Implant placement
Soft	▶	▶	▶	▶	▶	▶	

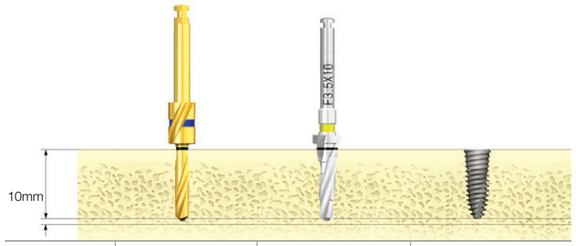
※ **Recommended implant torque : 40Ncm or less**

※ TSIV Fixture is used for implantation in maxillary sinus or soft bone and, in case of normal or higher-quality bone, guide is not required.

※ TSIV Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

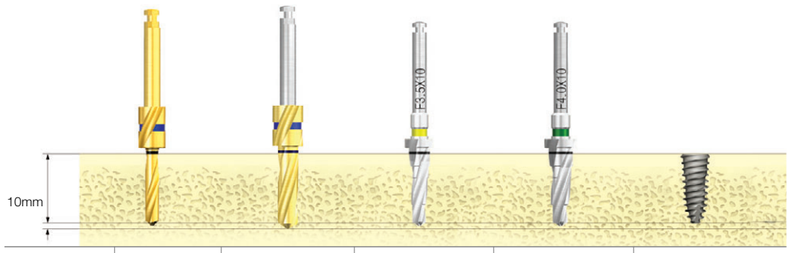
TSIV SA Fixture (Taper Drill)

ø 4.0mm Fixture (Length : 10mm)



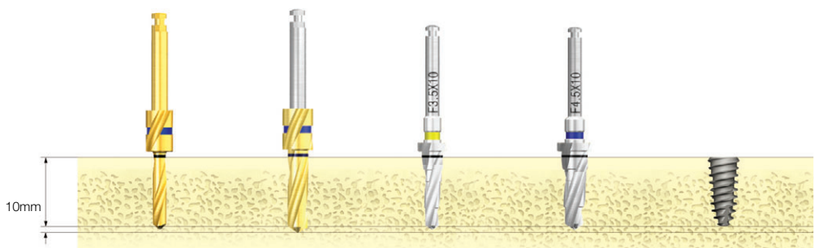
Bone quality	ø 2.0 drill	F3.5 taper drill	4.0 Fixture
D4	▶		Implant placement
Soft	▶	▶	

ø 4.5mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	ø 3.0 drill	F3.5 taper drill	F4.0 taper drill	4.5 Fixture
D4		▶			Implant placement
Soft	▶		▶	▶	

ø 5.0mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	ø 3.0 drill	F3.5 taper drill	F4.5 taper drill	5.0 Fixture
D4		▶			Implant placement
Soft	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

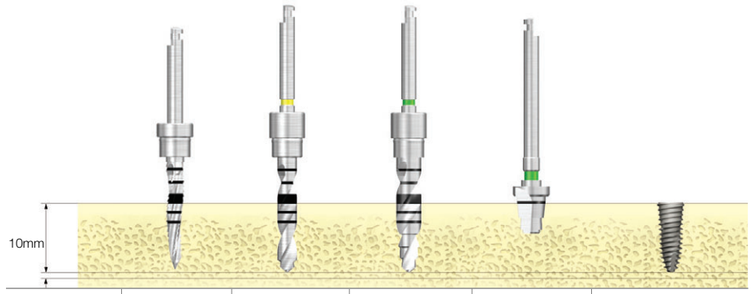
※ TSIV Fixture is used for implantation in maxillary sinus or soft bone and, in case of normal or higher-quality bone, guide is not required.

※ TSIV Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

Drilling Sequence for TSIV SA

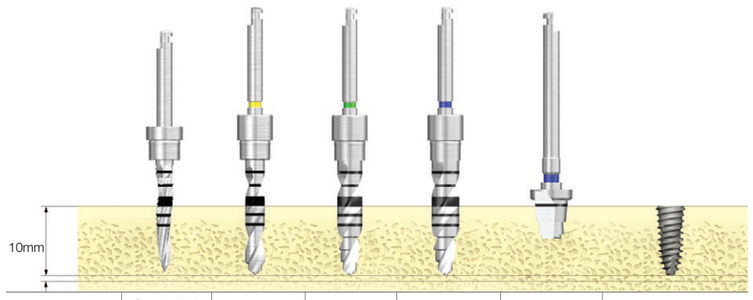
TSIV SA Fixture (IV Type Drill)

ø 4.0mm Fixture (Length : 10mm)



	Guide Drill (123제품)	ø 2.2/3.0 (123제품)	F4.0 Drill	F4.0 CD4	4.0 Fixture
D4	▶				Implant placement
Soft	▶	▶			
Normal	▶	▶	▶	▶	
Hard	Not Recommend				

ø 4.5mm Fixture (Length : 10mm)

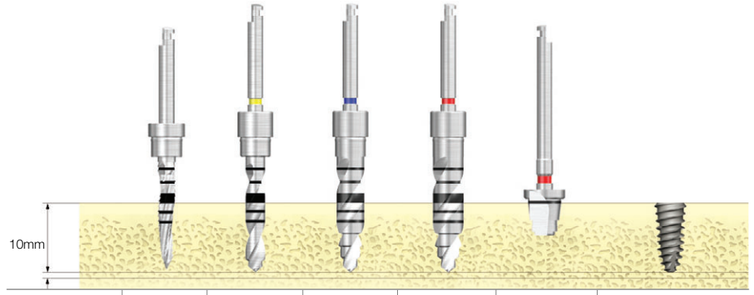


	Guide Drill (123제품)	ø 2.2/3.0 (123제품)	F4.0 Drill	F4.5 Drill	F4.5 CD4	4.5 Fixture
D4	▶	▶				Implant placement
Soft	▶	▶	▶			
Normal	▶	▶		▶	▶	
Hard	Not Recommend					

※ Recommended implant torque : 40Ncm or less

※ TSIV SA Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

ø 5.0mm Fixture (Length : 10mm)



	Guide Drill (123제품)	ø 2.2/3.0 (123제품)	F4.5 Drill	F5.0 Drill	F4.5 CD4	5.0 Fixture
D4	▶	▶				Implant placement
Soft	▶	▶	▶			
Normal	▶	▶		▶	▶	
Hard	Not Recommend					

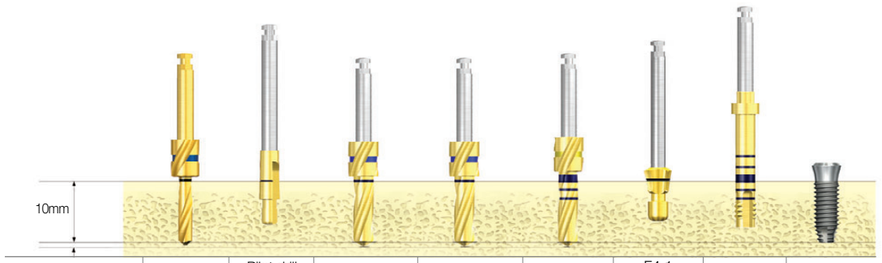
※ Recommended implant torque : 40Ncm or less

※ TSIV SA Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

Drilling Sequence for SSII

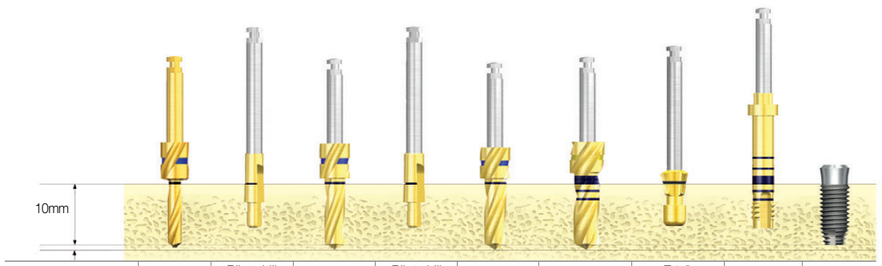
SSII Fixture

ø 4.1mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.3 drill	ø 3.6 drill	F4.1 Countersink	F4.1 Tap	4.1 Fixture
Soft	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	optional	▶	

ø 4.8mm Fixture (Length : 10mm)



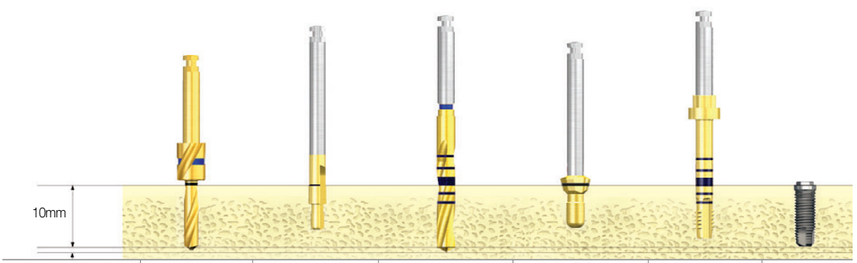
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	F4.8 Countersink	F4.8 Tap	4.8 Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	▶	optional	▶	

※ Recommended implant torque : 40Ncm or less

Drilling Sequence for USII

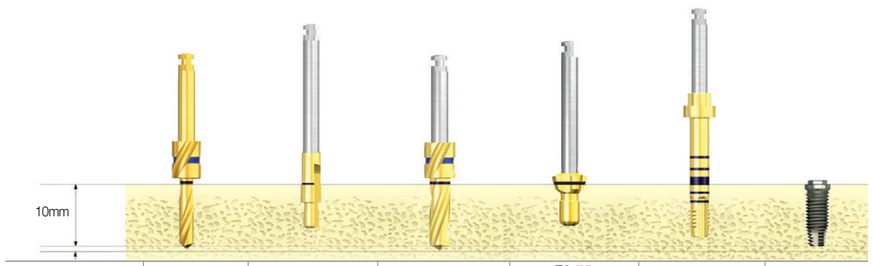
USII Fixture

ø 3.3mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/2.7)	ø 2.7 drill	F3.3 Countersink	F3.3 Tap	3.3 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	optional		
Hard	▶	▶	▶	optional	▶	

ø 3.75mm Fixture (Length : 10mm)



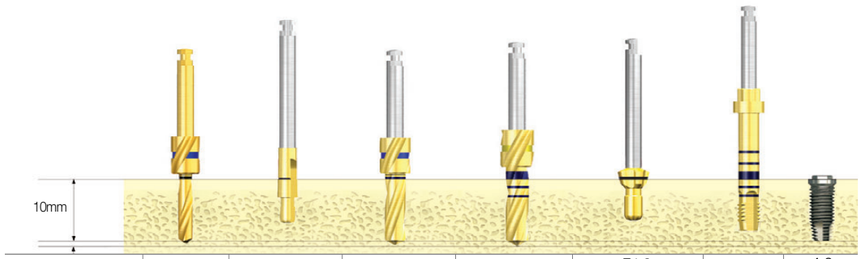
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	F3.75 Countersink	F3.75 Tap	3.75 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	optional		
Hard	▶	▶	▶	optional	▶	

※ Recommended implant torque : 40Ncm or less

Drilling Sequence for USII

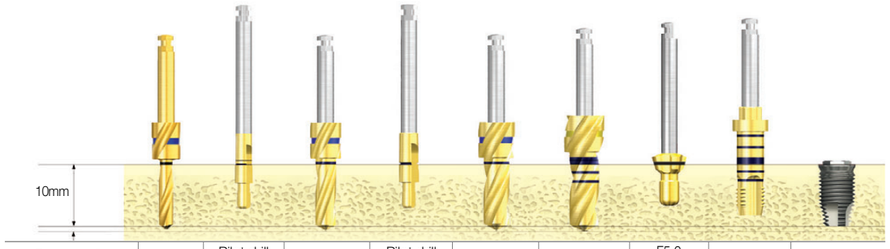
USII Fixture

ø 4.0mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.3 drill	F4.0 Countersink	F4.0 Tap	4.0 Fixture
Soft	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	optional	▶	

ø 5.0mm Fixture (Length : 10mm)



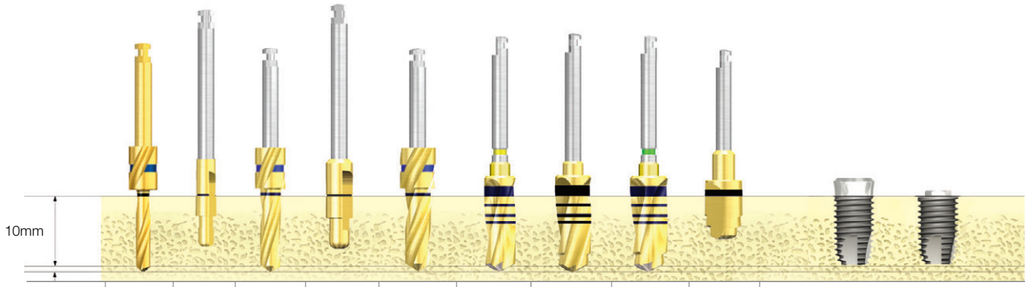
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	F5.0 Countersink	F5.0 Tap	5.0Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	▶	optional	▶	

※ Recommended implant torque : 40Ncm or less

Drilling Sequence for Ultra-Wide®

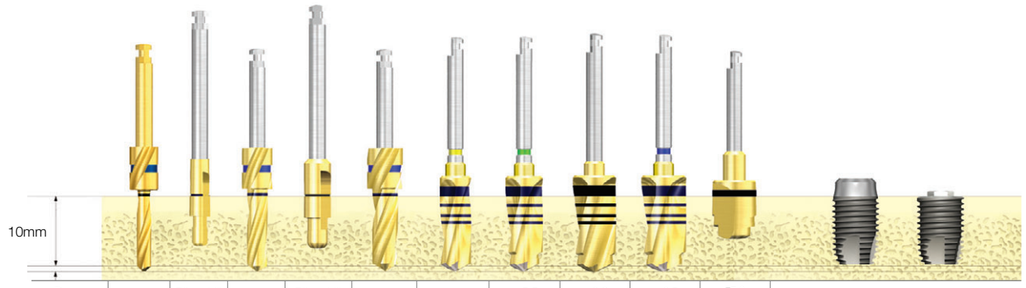
SSII / USII Ultra-Wide® Fixture

ø 6.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.2 direct drill	ø 5.5 direct drill	F6.0 Cortical Drill	ø 6.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

ø 7.0 mm Fixture (Length : 10mm)



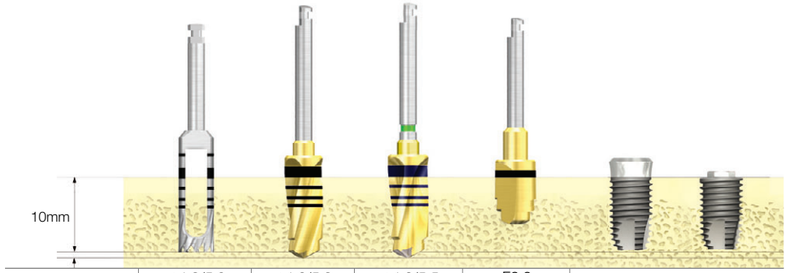
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.5 direct drill	ø 6.2 direct drill	ø 6.5 direct drill	F7.0 Cortical Drill	ø 7.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶	▶		▶	▶	

※ Recommended implant torque : 40Ncm or less

Drilling Sequence for Ultra-Wide®

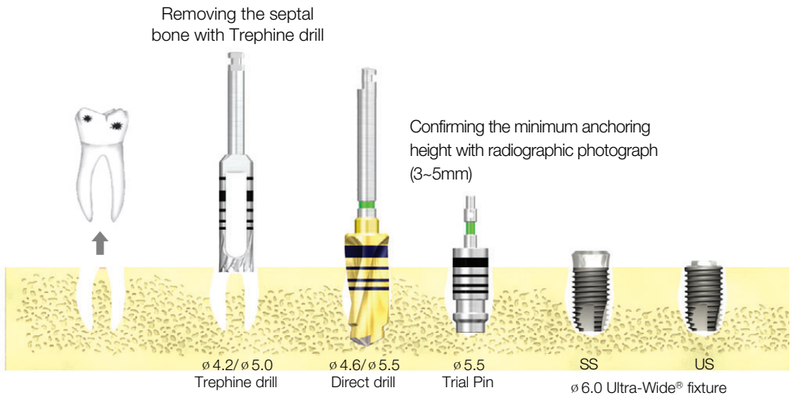
SSII / USII Ultra-Wide® Fixture

Drilling Sequence with Trephine in the healed mature bone ø6.0 Ultra-Wide® fixture (Length : 10mm)

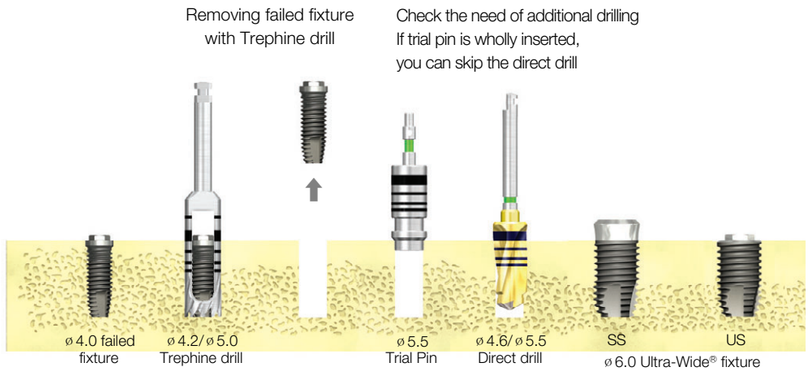


Bone quality	ø4.2/5.0 Trephine drill	ø4.6/5.2 Direct drill	ø4.6/5.5 Direct drill	F6.0 Cortical drill	6.0 Fixture
Soft	▶	▶			Implant placement
Normal	▶		▶		
Hard	▶		▶	▶	

Immediate placement at the extraction socket ø6.0 Ultra-Wide® fixture (Length : 10mm)

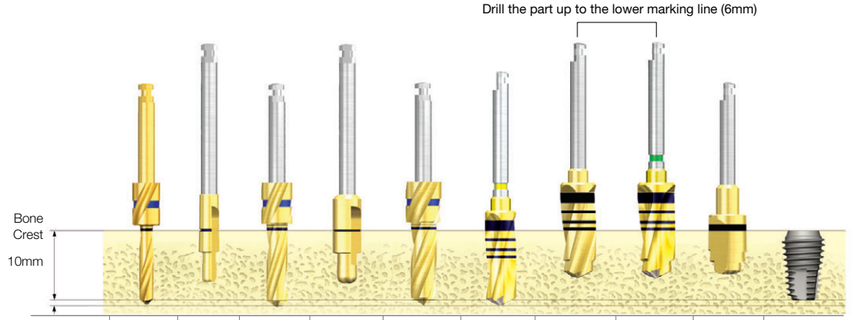


Immediate replacement of the failed implant ø6.0 Ultra-Wide® fixture (Length : 10mm)



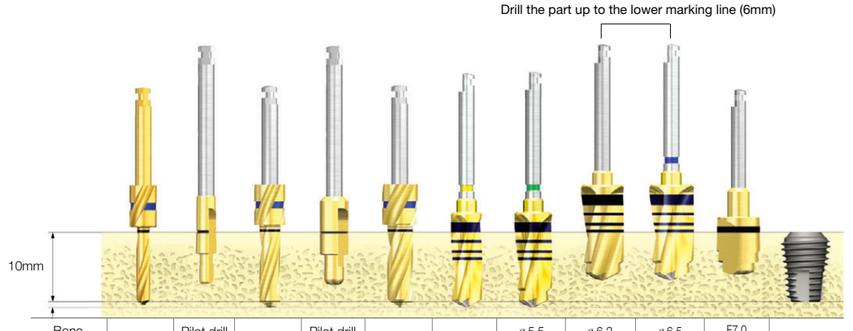
TSIII SA Ultra-Wide® Fixture (Straight Drill)

ø6.0 mm Fixture (Length : 10mm)



Bone quality	ø2.0 drill	Pilot drill (2.0/3.0)	ø3.0 drill	Pilot drill (3.0/3.8)	ø3.8 drill	ø4.6 drill	ø5.2 direct drill	ø5.5 direct drill	F6.0 Cortical Drill	ø6.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

ø7.0 mm Fixture (Length : 10mm)



Bone quality	ø2.0 drill	Pilot drill (2.0/3.0)	ø3.0 drill	Pilot drill (3.0/3.8)	ø3.8 drill	ø4.6 drill	ø5.5 direct drill	ø6.2 direct drill	ø6.5 direct drill	F7.0 Cortical Drill	ø7.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

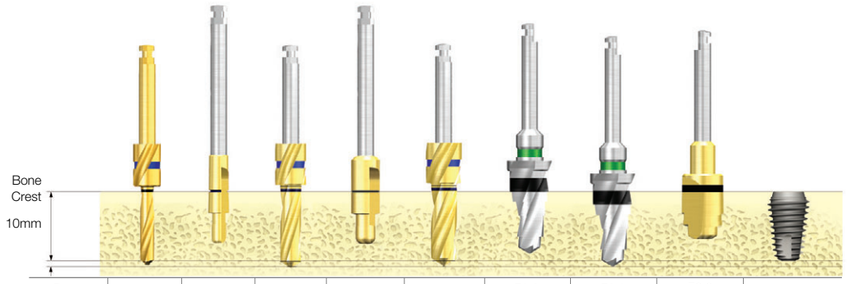
※ **TS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for Ultra-Wide®

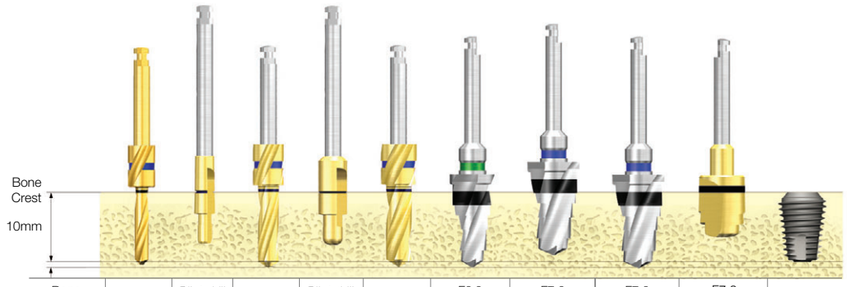
TSIII SA Ultra-Wide® Fixture (Taper Drill)

ø 6.0 mm Fixture (Length : 10mm)



Bone Quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	F6.0 Taper Drill	F6.0 Taper Drill	F6.0 Cortical Drill	ø 6.0 Fixture
Soft	▶	▶	▶	▶		▶			Implant placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	

ø 7.0 mm Fixture (Length : 10mm)



Bone Quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	F6.0 Taper Drill	F7.0 Taper Drill	F7.0 Taper Drill	F7.0 Cortical Drill	ø 7.0 Fixture
Soft	▶	▶	▶	▶		▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

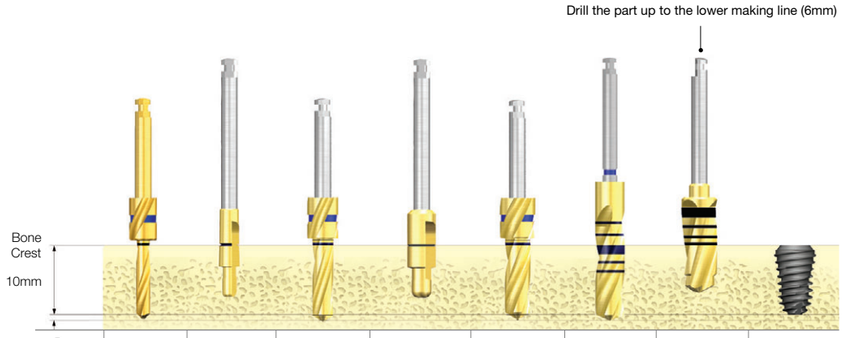
※ **Recommended implant torque : 40Ncm or less**

※ **TS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

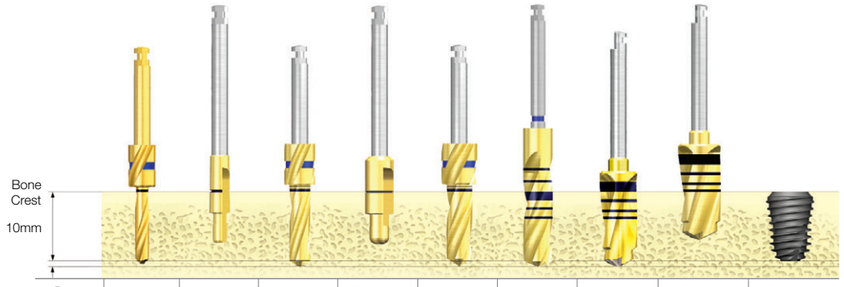
TSIV SA Ultra-Wide (Straight Drill)

ø 6.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.2 direct drill	ø 6.0 Fixture
D4	▶	▶			▶			Implant placement
Soft	▶	▶	▶	▶	▶	▶	▶	

ø 7.0 mm Fixture (Length : 10mm)



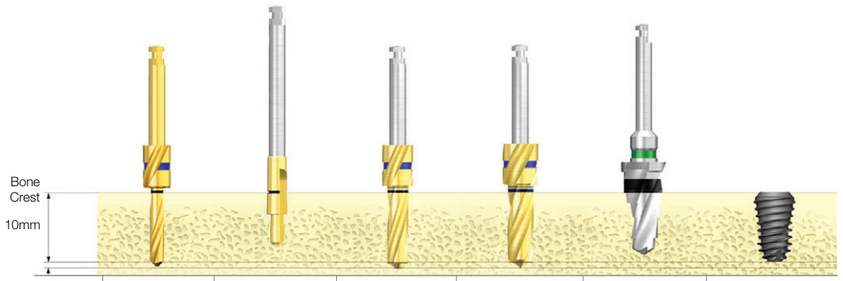
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.5 direct drill	ø 6.2 direct drill	ø 7.0 Fixture
D4	▶	▶			▶	▶			Implant placement
Soft	▶	▶	▶	▶	▶	▶	▶	▶	

※ **Recommended implant torque : 40Ncm or less**

Drilling Sequence for Ultra-Wide®

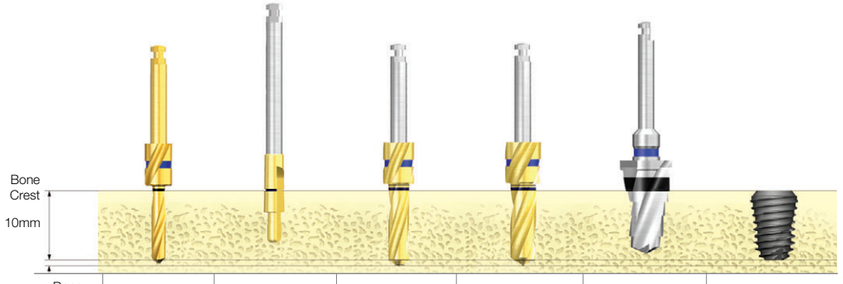
TSIV SA Ultra-Wide (Taper Drill)

ø 6.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.8 drill	F6.0 Taper drill	ø 6.0 Fixture
D4	▶			▶		Implant placement
Soft	▶	▶	▶		▶	

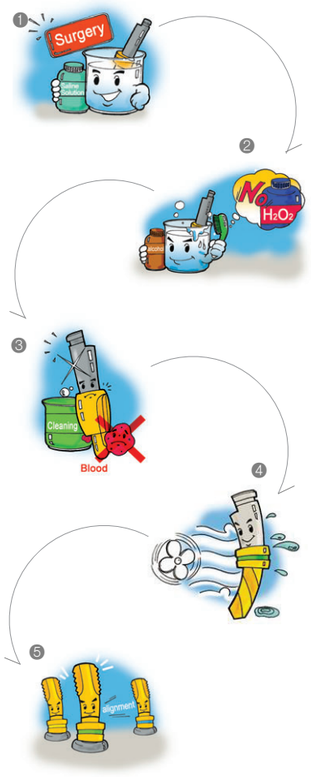
ø 7.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.8 drill	F7.0 Taper drill	ø 7.0 Fixture
D4	▶			▶		Implant placement
Soft	▶	▶	▶		▶	

※ Recommended implant torque : 40Ncm or less

How to manage KIT



① During operation, keep used tools in saline solution or in distilled water.

② When the operation has been completed, soak all the used tools in alcohol for washing.

Caution

Washing with hydrogen peroxide is prohibited.
Exposure to hydrogen peroxide may discolor the laser marking and TiN coating.

③ Wash blood stains and other foreign matter clean with distilled water or flowing water.

④ Remove the moisture with a dry cloth or a hot air blower.

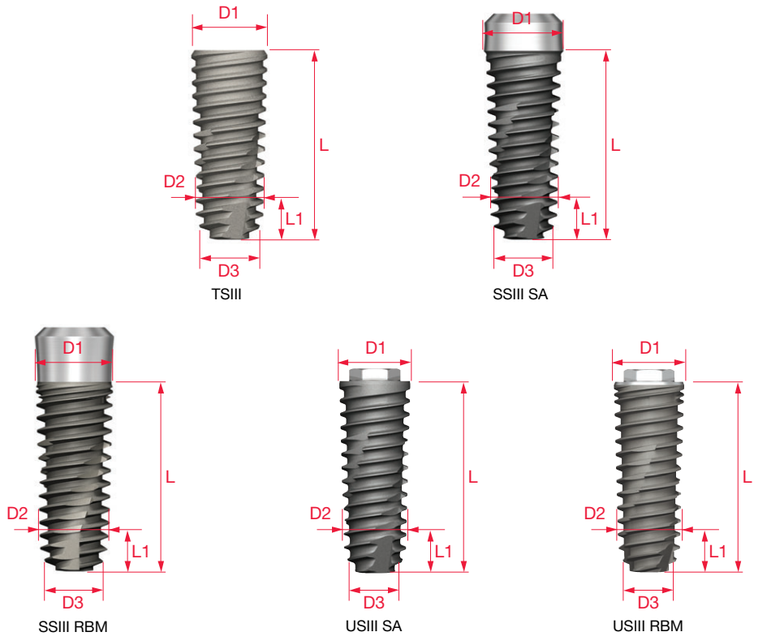
⑤ Set the dried tools in the KIT case.
(Refer to the color coding for setting the tools in the kit case.)

⑥ After setting, sterilize the kit in an autoclave at 132℃ for 15 minutes and store room temperature.

Caution: After an operation, separate all the tools used in the operation immediately, and wash them before storage.
It is highly recommended to sterilize the Surgical KIT again before an operation (temperature: 132°C, time: 15 min)
The warranty period of the Surgical KIT is One Year after first opening the package, and the warranty cycles of the Drills and Drivers is 50 cycles.

Actual Dimensions of
TSIII SA / SSIII SA / SSIII / USIII SA / USIII

TSIII SA / SSIII SA / SSIII / USIII SA / USIII Fixture

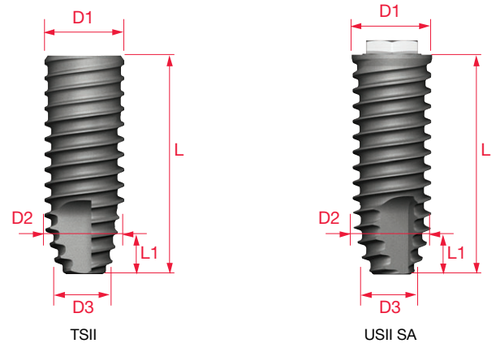


(Unit : mm)

	L	D1	D2	D3	L1
Fixture 3.5	8.5	3.8	3.4	2.5	1.3
	10.0	3.8	3.3	2.5	1.3
	11.5	3.8	3.2	2.5	1.3
	13.0	3.8	3.2	2.5	1.3
	15.0	3.8	3.1	2.5	1.3
Fixture 4.0	L	D1	D2	D3	L1
	7.0	4.3	4.0	2.8	1.0
	8.5	4.3	3.9	2.8	1.3
	10.0	4.2	3.8	2.8	1.3
	11.5	4.2	3.7	2.8	1.3
	13.0	4.2	3.7	3.1	4.0
	15.0	4.2	3.7	3.1	5.0
Fixture 4.5	L	D1	D2	D3	L1
	7.0	4.7	4.4	3.1	1.0
	8.5	4.6	4.3	3.1	1.3
	10.0	4.6	4.2	3.1	1.3
	11.5	4.6	4.1	3.1	1.3
	13.0	4.6	4.1	3.5	4.0
	15.0	4.6	4.1	3.5	5.0
Fixture 5.0	L	D1	D2	D3	L1
	6.0	5.1	4.9	3.7	1.0
	7.0	5.1	4.9	3.7	1.0
	8.5	5.1	4.8	3.7	1.3
	10.0	5.1	4.8	3.7	1.3
	11.5	5.1	4.7	3.7	1.3
	13.0	5.1	4.8	4.0	4.0
	15.0	5.1	4.7	4.0	5.0

Actual Dimensions of TSII SA / USII SA

TSII SA / USII SA Fixture

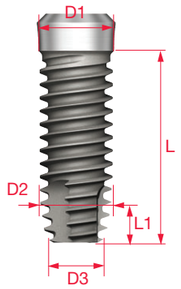


(Unit : mm)

	L	D1	D2	D3	L1
Fixture 3.5	8.5	3.5	3.5	2.6	2.0
	10.0	3.5	3.5	2.6	2.5
	11.5	3.5	3.5	2.6	2.5
	13.0	3.5	3.5	2.6	2.5
	15.0	3.5	3.5	2.6	2.5
Fixture 4.0 (USII SA)	L	D1	D2	D3	L1
	7.0	4.2	4.1	2.9	1.5
	8.5	4.2	4.1	2.9	2.0
	10.0	4.2	4.1	2.9	2.5
	11.5	4.2	4.1	2.9	2.5
	13.0	4.2	4.1	2.9	2.5
	15.0	4.2	4.1	2.9	2.5
Fixture 4.0 (TSII SA)	L	D1	D2	D3	L1
	7.0	4.2	4.2	2.9	1.5
	8.5	4.2	4.2	2.9	2.0
	10.0	4.2	4.2	2.9	2.5
	11.5	4.2	4.2	2.9	2.5
	13.0	4.2	4.2	2.9	2.5
	15.0	4.2	4.2	2.9	2.5
Fixture 4.5	L	D1	D2	D3	L1
	7.0	4.4	4.4	3.1	1.5
	8.5	4.4	4.4	3.1	2.0
	10.0	4.4	4.4	3.1	2.5
	11.5	4.4	4.4	3.1	3.0
	13.0	4.4	4.4	3.1	3.0
	15.0	4.4	4.4	3.1	3.0
Fixture 5.0	L	D1	D2	D3	L1
	6.0	5.0	5.0	4.3	0.5
	7.0	4.9	4.9	3.3	2.0
	8.5	4.9	4.9	3.3	2.0
	10.0	4.9	4.9	3.3	2.5
	11.5	4.9	4.9	3.3	3.0
	13.0	4.9	4.9	3.3	3.0
	15.0	4.9	4.9	3.3	3.0

Actual Dimensions of SSII SA

SSII SA Fixture



SSII SA

(Unit : mm)

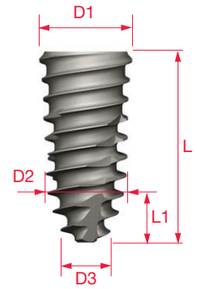
	L	D1	D2	D3	L1
Fixture 4.0	7.0	4.1	4.1	3.3	1.5
	8.5	4.1	4.1	3.3	2.0
	10.0	4.1	4.1	3.3	2.5
	11.5	4.1	4.1	3.3	2.5
	13.0	4.1	4.1	3.3	2.5
	15.0	4.1	4.1	3.3	2.5

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.4	4.4	3.7	1.5
	8.5	4.4	4.4	3.7	2.0
	10.0	4.4	4.4	3.7	2.5
	11.5	4.4	4.4	3.7	2.5
	13.0	4.4	4.4	3.7	2.5
	15.0	4.4	4.4	3.7	2.5

	L	D1	D2	D3	L1
Fixture 5.0	6.0	5.0	5.0	4.2	1.5
	7.0	4.9	4.9	4.2	1.5
	8.5	4.9	4.9	4.2	2.0
	10.0	4.9	4.9	4.2	2.5
	11.5	4.9	4.9	4.2	2.5
	13.0	4.9	4.9	4.2	2.5
	15.0	4.9	4.9	4.2	2.5

Actual Dimensions of TSIV SA

TSIV SA Fixture



TSIV SA

(Unit : mm)

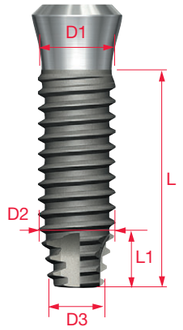
	L	D1	D2	D3	L1
Fixture 4.0	7.0	4.45	3.8	1.8	2
	8.5	4.45	3.9	1.8	3
	10.0	4.45	4.0	1.8	4
	11.5	4.45	4.0	1.8	5
	13.0	4.45	4.0	1.8	6

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.85	4.0	2.0	2
	8.5	4.85	4.2	2.0	3
	10.0	4.85	4.3	2.0	4
	11.5	4.85	4.3	2.0	5
	13.0	4.85	4.3	2.0	6

	L	D1	D2	D3	L1
Fixture 5.0	7.0	5.3	4.3	2.2	2
	8.5	5.3	4.6	2.2	3
	10.0	5.3	4.7	2.2	4
	11.5	5.3	4.7	2.2	5
	13.0	5.3	4.6	2.2	6

Actual Dimensions of SSII

SSII Fixture



SSII RBM

(Unit : mm)

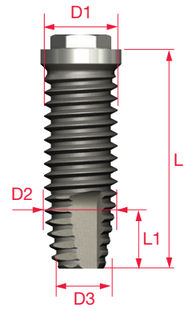
	L	D1	D2	D3	L1
Regular P4.8 / ø4.1	7.0	4.1	4.1	2.9	2.2
	8.5	4.1	4.1	2.9	2.2
	10.0	4.1	4.1	3.2	3.0
	11.5	4.1	4.1	3.2	3.0
	13.0	4.1	4.1	3.2	3.0
	15.0	4.1	4.1	3.2	3.0

	L	D1	D2	D3	L1
Regular P4.8 / ø4.8	7.0	4.8	4.8	3.9	2.2
	8.5	4.8	4.8	3.9	3.0
	10.0	4.8	4.8	3.9	3.0
	11.5	4.8	4.8	3.9	3.0
	13.0	4.8	4.8	3.9	3.0
	15.0	4.8	4.8	3.9	3.0

	L	D1	D2	D3	L1
Wide P6.0 / ø4.8	7.0	4.8	4.8	4.0	2.2
	8.5	4.8	4.8	4.0	2.2
	10.0	4.8	4.8	3.9	3.0
	11.5	4.8	4.8	3.9	3.0
	13.0	4.8	4.8	3.9	3.0
	15.0	4.8	4.8	3.9	3.0

Actual Dimensions of USII

USII Fixture



USII RBM

(Unit : mm)

	L	D1	D2	D3	L1
Mini P3.5 / ø2.4	8.1	3.3	3.3	2.0	2.0
	9.6	3.3	3.3	2.5	2.0
	11.1	3.3	3.3	2.5	2.0
	12.6	3.3	3.3	2.5	2.0
	14.6	3.3	3.3	2.5	2.0

	L	D1	D2	D3	L1
Regular P4.1 / ø3.75	6.6	3.7	3.7	2.3	2.0
	8.1	3.7	3.7	2.3	2.0
	9.6	3.7	3.7	2.3	2.5
	11.1	3.7	3.7	2.3	2.5
	12.6	3.7	3.7	2.3	2.5
	14.6	3.7	3.7	2.3	2.5

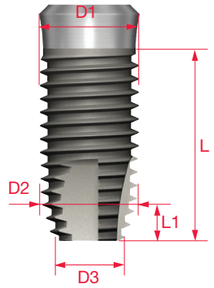
	L	D1	D2	D3	L1
Regular P4.1 / ø4.0	6.6	4.0	4.0	2.5	2.0
	8.1	4.0	4.0	2.5	2.0
	9.6	4.0	4.0	2.5	2.5
	11.1	4.0	4.0	2.5	2.5
	12.6	4.0	4.0	2.5	2.5
	14.6	4.0	4.0	2.5	2.5

	L	D1	D2	D3	L1
Wide P5.1 / ø5.0	6.6	5.0	5.0	3.3	2.0
	8.1	5.0	5.0	3.3	2.0
	9.6	5.0	5.0	3.0	2.5
	11.1	5.0	5.0	3.0	2.5
	12.6	5.0	5.0	3.0	2.5
	14.6	5.0	5.0	3.0	2.5

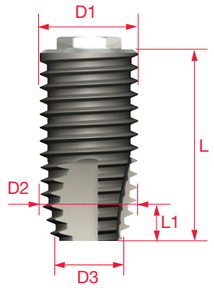
	L	D1	D2	D3	L1
Wide P5.1 / ø5.5	6.6	5.5	5.5	3.6	2.0
	8.1	5.5	5.5	3.6	2.0
	9.6	5.5	5.5	3.3	2.5
	11.1	5.5	5.5	3.3	2.5
	12.6	5.5	5.5	3.3	2.5
	14.6	5.5	5.5	3.3	2.5

Actual Dimensions of SSII / USII Ultra-Wide®

SSII / USII Ultra-Wide® Fixture



SSII Ultra



USII Ultra

(Unit : mm)

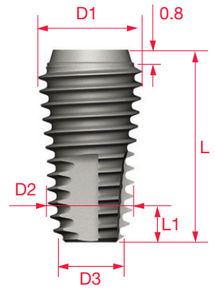
	L	D1	D2	D3	L1
Fixture 6.0	6.0	5.9	5.9	4.8	1.5
	7.0	5.9	5.9	4.8	1.5
	8.5	5.9	5.9	4.7	2
	10.0	5.9	5.9	4.7	2
	11.5	5.9	5.9	4.7	2.5
	13.0	5.9	5.9	4.7	2.5

	L	D1	D2	D3	L1
Fixture 7.0	6.0	6.9	6.9	5.8	1.5
	7.0	6.9	6.9	5.8	1.5
	8.5	6.9	6.9	5.7	2
	10.0	6.9	6.9	5.7	2
	11.5	6.9	6.9	5.7	2.5
	13.0	6.9	6.9	5.7	2.5

※ SSII Ultra-wide : exception 6mm

Actual Dimensions of TSIII SA Ultra-Wide®

TSIII SA Ultra-Wide® Fixture



TSIII SA Ultra

(Unit : mm)

	L	D1	D2	D3	L1
Fixture 6.0	6.0	6	5.5	4.5	1.4
	7.0	6	5.2	4.3	1.5
	8.5	6	5.1	4.2	2
	10.0	6	5.1	4.2	2.8
	11.5	5.9	5.0	4.2	3.3
	13.0	5.9	5.0	4.2	4.5

	L	D1	D2	D3	L1
Fixture 7.0	6.0	6.8	6.4	5.4	1.4
	7.0	6.8	6	5.2	1.5
	8.5	6.8	5.9	5.1	2.5
	10.0	6.8	5.8	5.1	3
	11.5	6.8	5.7	5.0	4
	13.0	6.8	5.7	4.9	5