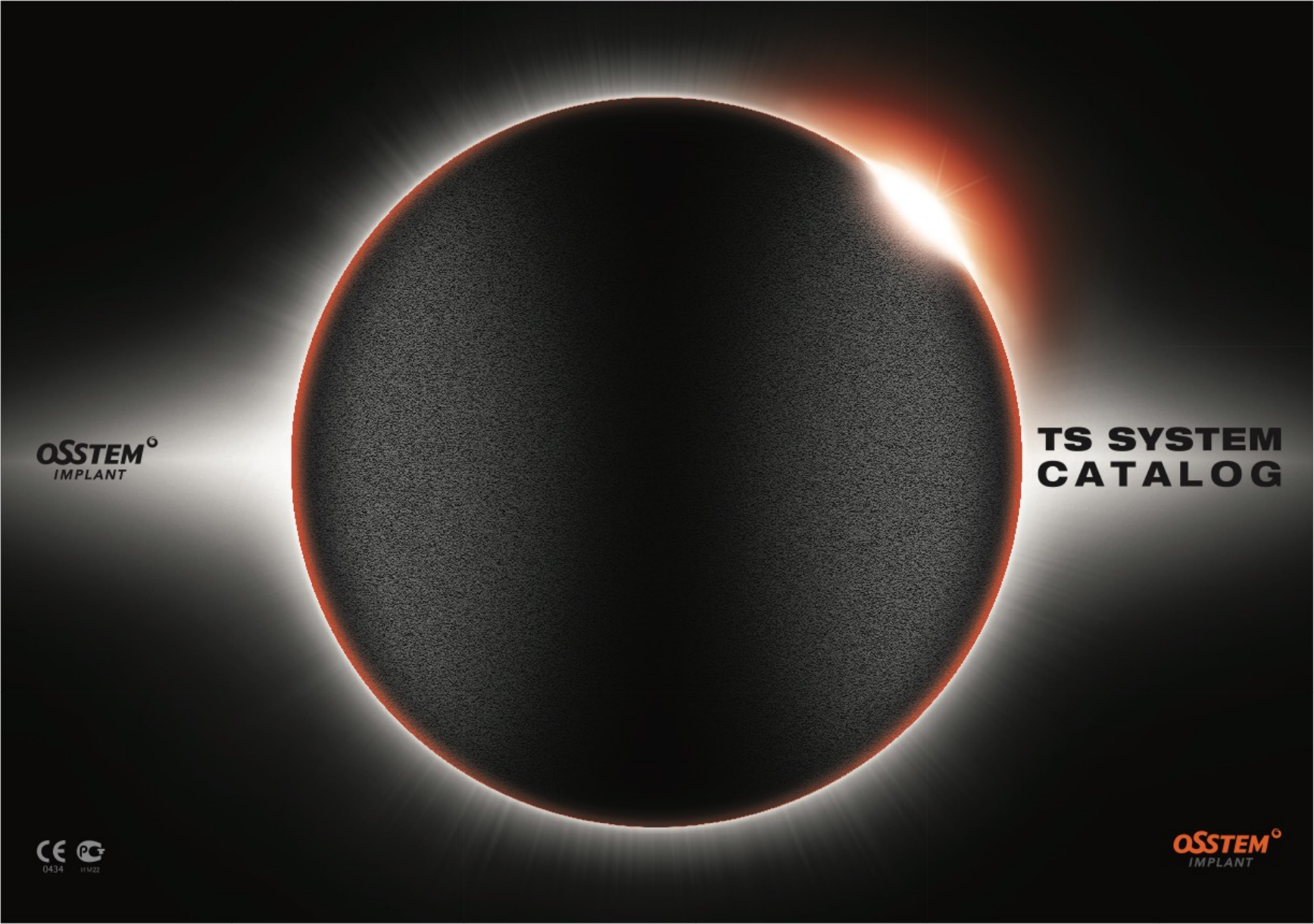




TS SYSTEM CATALOG

Osstem Implant
2016-17 Comprehensive Catalog

Overall Planning/Editing PR Department Design Team
Supervision Implant Lab, Marketing PM
Production/Distribution Marketing & Planning Team
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www.osstem.com

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CEO's Message

Providing cutting edge technology and superior quality

Making products that dentists want to use, trust, and are satisfied with:
This is our mission at **OSSEM IMPLANT**.

**We are forever grateful
to all the dentists
who have given
unwavering support to
OSSTEM IMPLANT.**

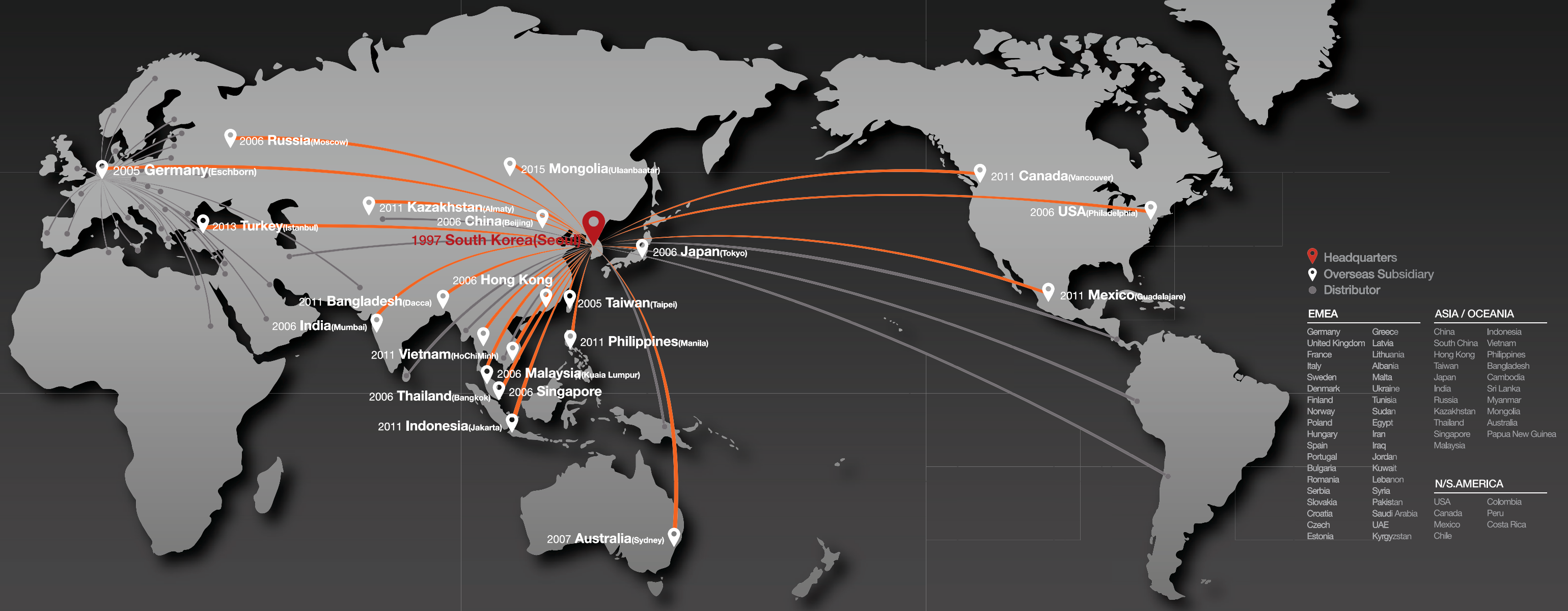
We would like to take this opportunity to express our special thanks to all of our customers. Osstem has been continuously engaged in research and development, and over the past year our efforts have led to the launch of multiple new products. We are excited to publish the 2016-17 Osstem Product Catalog, which showcases these new products and includes all the information you need to know about our fixtures, abutments, surgical tools and regenerative products. We spent countless hours editing, revising and rearranging this catalogue to make it the most comprehensive and user-friendly resource for Osstem products possible. Product codes, specifications and all the information you need about our products are at your fingertips. A number of noteworthy additions have been introduced to the 2016 - 17 Osstem Product Catalog; each product is labeled with the newest products This is unclear. Also sounds impossible.

How do you label a 'product with a product'?. All product images are at the highest resolution possible, and a comprehensive description is provided with each item to ensure customers order correctly. As well, the quality of the 2D and 3D graphical illustrations of our components has been significantly enhanced. The color-coding system has been expanded from just fixtures to include components as well as tools. In addition, complimentary products and equipment are listed "complimentary" means "free of charge". "complementary" means "compatible". Unless you plan to give your products away you may want to change this. Finally, the included QR codes link you to videos of the products being used in actual surgeries. It is our sincere hope that the 2016 - 17 Osstem Product Catalog will become an invaluable resource for you in your practice. Thank you!

CEO of OSSTEM IMPLANT
Choi Kyu-ok (DDS.Ph.D)



Worldwide & History



1997

- 01 Established 'OSSTEM Co., Ltd.'
- 12 Released 'Doobunae' (health insurance claim application software program)

2001

- 01 Obtained CE-0434 certification
- 03 Established AIC Training Center

2006

- 01 Changed the company name to Osstem Implant Co., Ltd
- 04 Obtained GOST-R certification (Russia)
- 12 Established 12 overseas branches (first round)

2008

- 01 Established Osstem Bone Science Research Center
- 12 Selected as a managing organization for the National Strategic Technology Development Project

2010

- 03 Launched TS III SA line
- 06 Launched TS III HA line
- 08 Selected as a business participating in the WPM Biomedical National Project
- 12 Users of Hanaro program exceeded 10,000

2011

- 10 Obtained 'Health Canada' certification
- 12 Launched 'K2 Unit Chair, which was selected as a 'World Class Product'

2013

- 01 Launched Osstem xenograft material 'A-Oss'
- 09 Launched 'K3 Unit Chair'
- 10 Selected as a 'Hidden Champion' company

2015

- 03 Established Osstem BioPharma Co., Ltd.
- 12 Awarded 'USD 50 Million Export Tower'

2000

- 06 Released 'Hanaro' (dentistry management software)
- 10 Acquired Sumin Comprehensive Dental Materials

2002

- 01 Established Osstem Implant R&D Center
- 08 Obtained FDA certification, launched USII line
- 10 Launched SSII line

2007

- 02 Listed on KOSDAQ and began trading publicly
- 06 Selected as No. 1 products for the next generation and obtained TGA certification (Australia)

2009

- 10 Obtained approval for medical device manufacturing and sale from the Ministry of Health, Labor and Welfare, Japan

2011

- 06 Osstem Implant R&D Center was selected as ATC (Advanced Technology Center)
- 07 Selected as 'World Champ' business

2012

- 06 Launched TSIII CA line
- 07 Established Osstem Dental Equipment Research Institute

2014

- 05 Selected as World Class 300
- 05 Released 'HyFlex', an impression material
- 08 Released 'Beau TIS' whitening material

OSSTEM[®] Implant Design feature

OSSTEM IMPLANT has revolutionized implant dentistry in South Korea. With a focus on aggressive R&D, a commitment to education and a dedication to manufacturing the best products, Osstem Implant's ultimate goal is to become the global leader in implant dentistry.



Submerged type implant with an internal hex and 11° tapered connection

- Internal connection type - Mini / Regular
- Excellent initial stability in soft bone due to smaller threads in the upper section
- Corkscrew thread with cutting edges
 - Easy path adjustments via the implant's excellent self-threading effect
 - Higher initial stability and consistent insertion torque, regardless of the drill's diameter
- Different body types to properly match the patient's bone quality and clinical condition
 - TSII (straight body type): Easy to adjust the insertion depth
 - TSIII (1.5° tapered body type): Excellent initial stability necessary for immediate loading, even in soft bone
 - TSIV (6° tapered body type): Specifically designed for the maxillary sinus and soft bone, excellent initial stability
- Available surface types - SA / CA / BA / HA

Non-submerged type implant with an internal octa and 8° tapered connection

- Internal connection type - Regular / Wide
- Corkscrew thread with cutting edges
 - Easy path adjustments via the implant's excellent self-threading effect
 - Higher initial stability and consistent insertion torque, regardless of the drill's diameter
- Different body types to properly match the patient's bone quality and clinical condition
 - SSII (straight body type): Easy to adjust the insertion depth
 - SSIII (1.5° tapered body type): Excellent initial stability necessary for immediate loading, even in soft bone
- Available surface types - SA / CA / HA

Submerged type implant with an external hex connection structure

- Internal connection type - Mini / Regular / Wide / Wide PS
- Corkscrew thread with cutting edges
 - Easy path adjustments via the implant's excellent self-threading effect
 - Higher initial stability and consistent insertion torque, regardless of the drill's diameter
- Different body types to properly match the patient's bone quality and clinical condition
 - USII (straight body): Easy to adjust the insertion depth
 - USIII (1.5° tapered body): Excellent initial stability necessary for immediate loading, even in soft bone
 - USIV (6° tapered body): Specifically designed for the maxillary sinus and soft bone, excellent initial stability
- Available surface types - SA / CA



Each implant system has its own unique color code.

OSSTEM[®] Implant Surface feature

The key factor in providing implant treatment safely and efficiently is surface technology.

OSSTEM IMPLANT is proud of its cutting-edge surface technology.

SA CA BA HA

Acid Treated Optimized Surface

- Surface roughness value of about Ra 2.5 to 3.0 μm
Note: The upper 0.5mm section of the implant has a surface roughness of about Ra 0.5 to 0.6 μm
- Consistent surface micro pits between 1 to 3 μm
- Surface area is increased by 46 percent compared to RBM treated implants

In Bone Response

- Increased osteoblastic differentiation and ossification by 20 percent compared to RBM surface
- Initial bone response studied in animal models (mini pigs)
 - Initial stability increased initial stability by 48 percent compared to RBM surface (RT at 4 weeks)
 - Ossification rate increased ossification rate by 20 percent compared to RBM surface (BIC at 4 weeks)

Super-hydrophilic SA surface suspended in a calcium solution

- Same SA surface morphology
- Optimizing surface reaction by suspension in a calcium (CaCl₂) solution
- Increased new bone formation area due to the excellent blood wettability
- Bone response improved in early osseointegration stage compared to standard SA surface

In Bone Response

- Protein and cellular adhesion tripled compared to SA surfaces
- Initial cellular differentiation by 19 percent compared to SA surfaces (7 days)
- Initial stability increased by 34 percent compared to SA surfaces (RT at 4 weeks)
- Ossification rate Increased by 26 percent compared to SA surfaces (BIC at 4 weeks)

Premium low crystalline nano-HA coated SA surface

- SA surface (Ra 2.5 to 3.0 μm) coated with HA
- 10nm ultra-thin HA coating
- Dual function between titanium and HA
 - HA is naturally resorbed during ossification

In Bone Response

- Advantages of both SA and HA surfaces
 - SA's ability to maintain an optimal surface morphology
 - HA's ability to form high quality initial bone, even in a poor bone quality
- Ossification rate increased by 40 percent compared to SA surfaces (BIC)
- Unlike conventional HA surfaces, it is applicable to all types of bone quality

Premium high-crystalline HA-coated surface

- 30 to 60 μm thick high-crystalline HA coating
- HA coated onto a RBM surface (Ra 3.0 to 3.5 μm)
- High HA crystalline over 98 percent
- Solved the problem with low-crystalline HA resorption

In-vitro & In-vivo Bone Response

- Excellent biocompatibility because HA is very similar to actual human bone
- Initial ossification by osteoblasts doubled compared to SA surfaces (5 days)
- Initial stability in animal models increased by 40 percent compared to SA surfaces (RT, 4 weeks)
- Suitable for poor bone quality, tooth extraction sites or immediate implant insertion

TS SYSTEM Contents

016 TSII SA Fixture		018 TSII CA Fixture		020 TSIII SA Fixture		022 TSIII CA Fixture		024 TSIII BA Fixture		064 ZioCera Angled Abutment		065 Temporary Abutment		066 Quick Temporary Abutment		069 Multi Abutment		071 Multi Angled Abutment	
026 TSIII HA Fixture		028 TSIV SA Fixture		030 TSIV CA Fixture		032 Simple Mount		032 Cover Screw		073 Convertible Abutment		075 Convertible Combination Cylinder		075 Convertible Angled Cylinder		075 Convertible GoldCast Cylinder		076 Convertible Temporary Cylinder	
033 Healing Abutment		034 Custom Healing Abutment		037 Rigid Abutment		040 Rigid Protect Cap		040 Rigid Retraction Cap		076 Convertible Plastic Cylinder		077 Convertible Pick-up Impression Coping		077 Convertible Transfer Impression Coping		078 Convertible Protect Cap		078 Convertible Lab Analog	
040 Rigid Impression Coping		041 Rigid Burn-out Cylinder		041 Rigid Lab Analog		042 Transfer Abutment		044 Laboratory Screw		078 Convertible Polishing Protector		081 Stud Abutment		082 O-ring Retainer Cap Set		082 O-ring Retainer Set		082 O-ring Set	
044 Fixture Lab Analog		045 Bite Index		046 Fixture Pick-up Impression Coping		047 Fixture Transfer Impression Coping		049 Angled Abutment		082 O-ring Lab Analog		083 Locator® Abutment		084 Locator® Male Processing Kit		084 Locator® Replacement Male		084 Locator® Extended Replacement Male	
052 FreeForm ST Abutment		054 GoldCast Abutment		055 NP-Cast Abutment		057 SmartFit Abutment		057 Scan Body		085 Locator® Black Processing Male		085 Locator® Block Out Spacers		085 Locator® Impression Coping		085 Locator® Lab Analog		086 Locator® Core Tool	
058 Link Abutment for Public		060 Link Abutment for Cerec		061 Scan Post		061 Scan Body		062 ZioCera Abutment		086 Locator® Torque Driver		087 Port Angled Abutment		088 Port Angled Abutment Head					



FIXTURE

- 016** TSII SA Fixture
- 018** TSII CA Fixture
- 020** TSIII SA Fixture
- 022** TSIII CA Fixture
- 024** TSIII BA Fixture
- 026** TSIII HA Fixture
- 028** TSIV SA Fixture
- 030** TSIV CA Fixture
- 032** Simple Mount
- 032** Cover Screw
- 033** Healing Abutment
- 034** Custom Healing Abutment

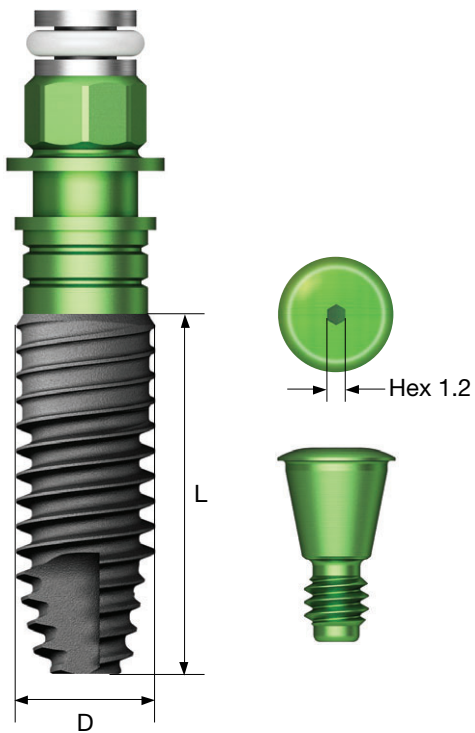
COMPONENTS

- 036** PROSTHETIC FLOW DIAGRAM 1
- 037** Rigid Abutment
- 042** Transfer Abutment
- 048** PROSTHETIC FLOW DIAGRAM 2
- 049** Angled Abutment
- 052** FreeForm ST Abutment
- 054** GoldCast Abutment
- 055** NP-Cast Abutment
- 056** PROSTHETIC FLOW DIAGRAM 3
- 057** SmartFit Abutment
- 058** Link Abutment (for Public / Cerec)
- 062** Ziocera (Angled) Abutment
- 065** Temporary Abutment (Quick)
- 068** PROSTHETIC FLOW DIAGRAM 4
- 069** Multi (Angled) Abutment
- 072** PROSTHETIC FLOW DIAGRAM 5
- 073** Convertible Abutment
- 080** PROSTHETIC FLOW DIAGRAM 6
- 081** Stud Abutment
- 083** Locator® Abutment
- 087** Port Angled Abutment

TSII SA Fixture

- Submerged type implant with an internal hex and 11° tapered connection
 - Optimized screw thread design with the ideal SA surface
 - Straight body design allows easy insertion depth adjustments
 - Excellent initial stability in soft bone due to small threads in the upper section
 - Corkscrew threading with excellent self-threading effect
 - Recommended insertion torque: ≤40 Ncm
- ※ Fixtures with a diameter of 4.5mm or more are recommended for the posterior area.

NoMount fixture order code
: fixture product code (ex : TS2S4010S)
Pre-Mounted fixture (fixture + mount + cover screw) order code
: B + fixture product code (ex : BTS2S4010S)



D Ø5.0
Hex 2.5
R

L	6	7	8.5	10	11.5	13
	Short					
	TS2S5006S	TS2S5007S	TS2S5008S	TS2S5010S	TS2S5011S	TS2S5013S

D Ø3.5
Hex 2.1
M

L	8.5	10	11.5	13
	TS2M3508S	TS2M3510S	TS2M3511S	TS2M3513S

D Ø4.0
Hex 2.5
R

L	7	8.5	10	11.5	13
	TS2S4007S	TS2S4008S	TS2S4010S	TS2S4011S	TS2S4013S

D Ø4.5
Hex 2.5
R

L	7	8.5	10	11.5	13
	TS2S4507S	TS2S4508S	TS2S4510S	TS2S4511S	TS2S4513S

Nominal and actual diameters may slightly differ.
Caution : For a short implant, a sufficient healing period is strongly recommended. A short implant should be splinted with another implant when considering prosthetic options.

TSIII SA Fixture

- Submerged type implant with an internal hex and 11° tapered connection
- Optimized screw thread design with the ideal SA surface
- Tapered body design with high initial stability
- Excellent initial stability in soft bone due to the small thread on the upper part
- Corkscrew threading with excellent self-threading effect
- Excellent initial stability necessary for immediate loading, even in soft bone

Narrow

- A fixture that can be placed in tight spaces (narrow ridge)
- Angle compensate is easy in the anterior area
- Compatible with existing mini-international connection abutments (Cover screw, mount, or lab analog not compatible)

Ultra-wide

- Ideal for an extracted tooth site in the posterior area, for immediate placement, or for replacing a failed implant
- Apex is specifically design for excellent initial stability in an extracted tooth site
- Recommended insertion torque: ≤40 Ncm

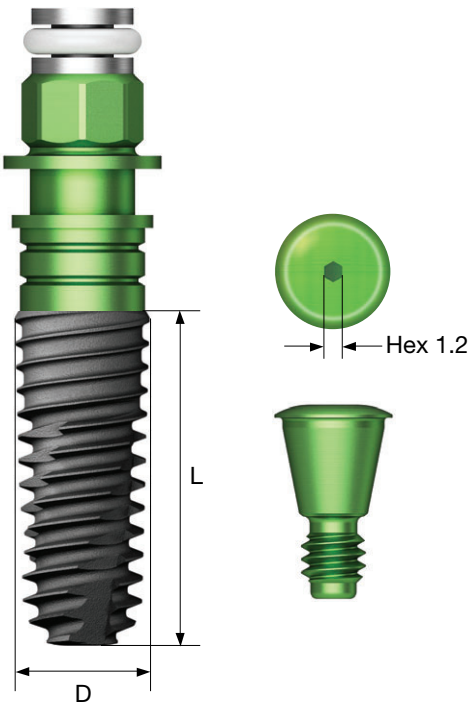
※ Fixtures with a diameter of 4.5mm or more are recommended for the posterior area.

NoMount fixture order code

: fixture product code (ex : TS3S4010S)

Pre-Mounted fixture (fixture + mount + cover screw) order code

: B + fixture product code (ex : BTS3S4010S)



D Ø3.0
Hex 2.1
Narrow



L	8.5	10	11.5	13
	TS3M3008S	TS3M3010S	TS3M3011S	TS3M3013S

D Ø3.5
Hex 2.1



L	8.5	10	11.5	13
	TS3M3508S	TS3M3510S	TS3M3511S	TS3M3513S

D Ø4.0
Hex 2.5



L	7	7	8.5	10	11.5	13
	TS3S4006S	TS3S4007S	TS3S4008S	TS3S4010S	TS3S4011S	TS3S4013S

D Ø4.5
Hex 2.5



L	7	7	8.5	10	11.5	13
	TS3S4506S	TS3S4507S	TS3S4508S	TS3S4510S	TS3S4511S	TS3S4513S

D Ø5.0
Hex 2.5



L	6	6	6	7	8.5	10	11.5	13
	TS3S5004S	TS3S5005S	TS3S5006S	TS3S5007S	TS3S5008S	TS3S5010S	TS3S5011S	TS3S5013S

D Ø5.5
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S5506S	TS3S5507S	TS3S5508S	TS3S5510S	TS3S5511S	TS3S5513S

Ultra-Wide

D Ø6.0
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S6006S	TS3S6007S	TS3S6008S	TS3S6010S	TS3S6011S	TS3S6013S

D Ø7.0
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S7006S	TS3S7007S	TS3S7008S	TS3S7010S	TS3S7011S	TS3S7013S

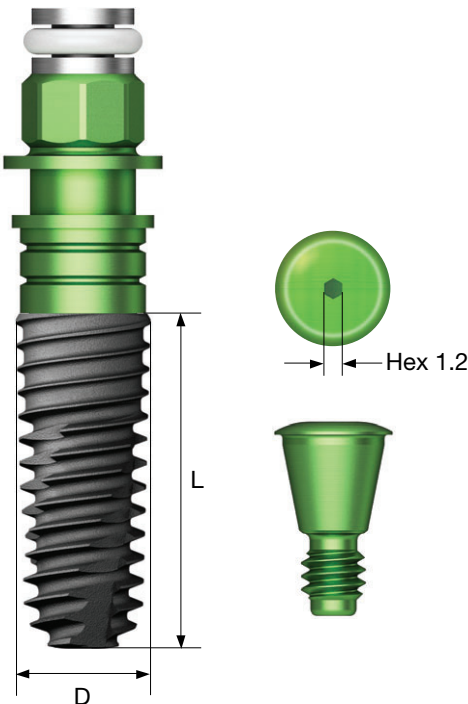
Nominal and actual diameters may slightly differ.

Caution : For a short implant, a sufficient healing period is strongly recommended. A short implant should be splinted with another implant when considering prosthetic options.

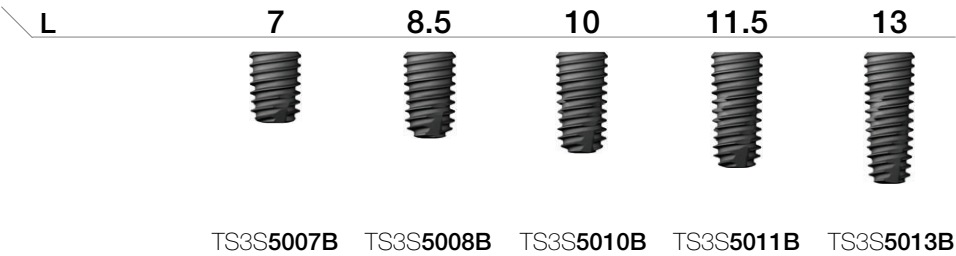
TSIII BA Fixture Hiossen ET3 NH

- Submerged type implant with an internal hex and 11° tapered connection
 - Super-hydrophilic surface enhances the rapid formation of blood clots
 - SA surface coated with premium low crystalline nano-HA
 - Bio-absorbable coating with no risk of fracturing or flaking off
 - Tapered body design with high initial stability
 - Excellent initial stability in soft bone due to the small thread on the upper part
 - Corkscrew threading with excellent self-threading effect
 - Excellent initial stability necessary for immediate loading, even in soft bone
 - Recommended insertion torque: ≤40 Ncm
- ※ Fixtures with a diameter of 4.5mm or more are recommended for the posterior area.

Pre-Mounted fixture (fixture + mount + cover screw) order code
: B + fixture product code (ex : BTS3S4010B)

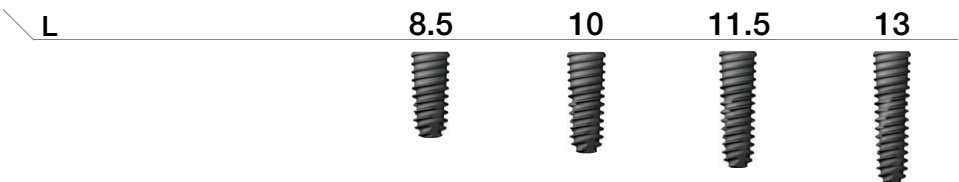


D Ø5.0
Hex 2.5
R



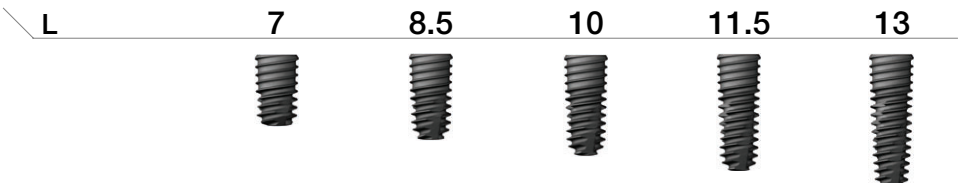
TS3S5007B TS3S5008B TS3S5010B TS3S5011B TS3S5013B

D Ø3.5
Hex 2.1
M



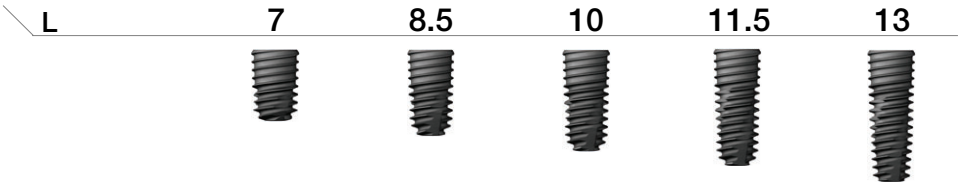
TS3M3508B TS3M3510B TS3M3511B TS3M3513B

D Ø4.0
Hex 2.5
R



TS3S4007B TS3S4008B TS3S4010B TS3S4011B TS3S4013B

D Ø4.5
Hex 2.5
R



TS3S4507B TS3S4508B TS3S4510B TS3S4511B TS3S4513B

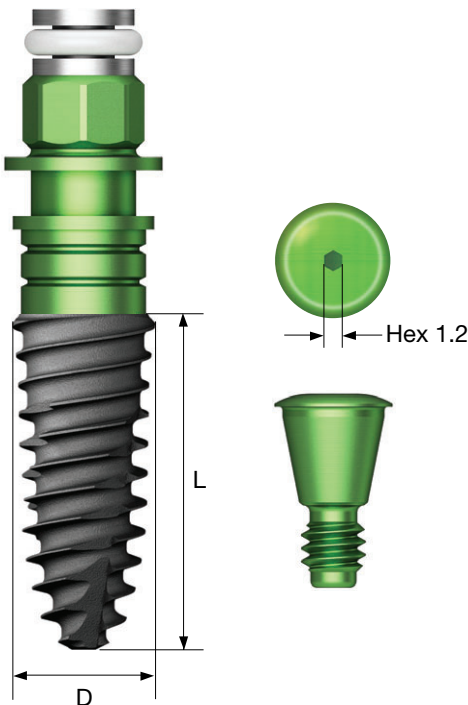
Nominal and actual diameters may slightly differ.

TSIV SA Fixture

- Submerged type implant with an internal hex and 11° tapered connection
- Optimized screw thread design with the ideal SA surface
- Designed specifically for the maxillary sinus and soft bone
- Excellent initial stability in soft bone due to the small thread on the upper part
- Corkscrew threading with excellent self-threading effect
- Aggressive apex design allows placement even in a Ø 2.0 or Ø 3.0mm osteotomy in D4 bone

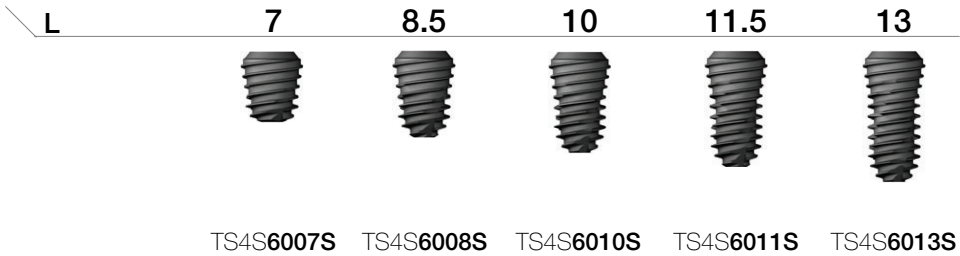
- Ultra-wide**
- Ideal for an extracted tooth site in the posterior area, for immediate placement, or for replacing a failed implant
 - Apex is specifically design for excellent initial stability in an extracted tooth site
 - Recommended insertion torque: ≤40 Ncm
 - ※ Fixtures with a diameter of 4.5mm or more are recommended for the posterior area.
 - ※ It is recommended to reduce the insertion speed to 15RPM or lower, the TSIV fixture has aggressive threads and insert very quickly.

- NoMount fixture order code**
: fixture product code (ex : TS4S4010S)
- Pre-Mounted fixture (fixture + mount + cover screw) order code**
: **B** + fixture product code (ex : **B**TS4S4010S)

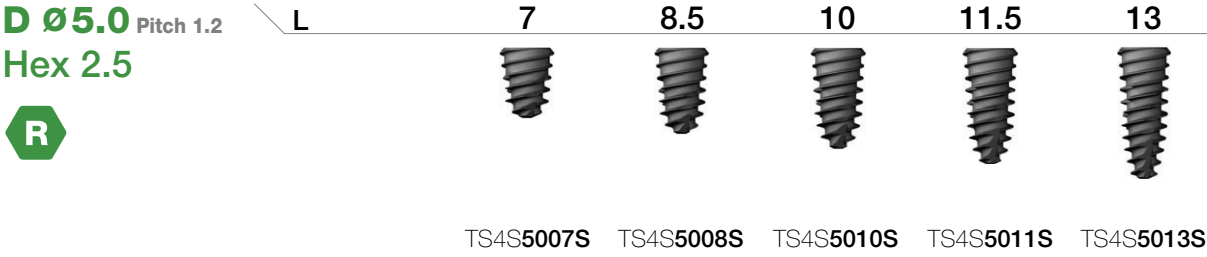
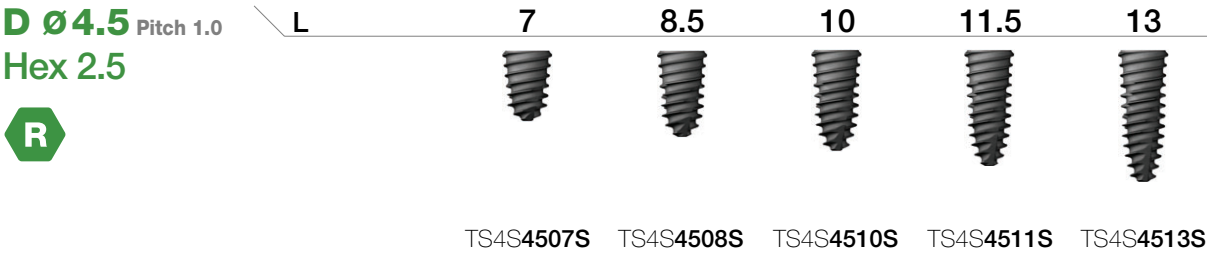
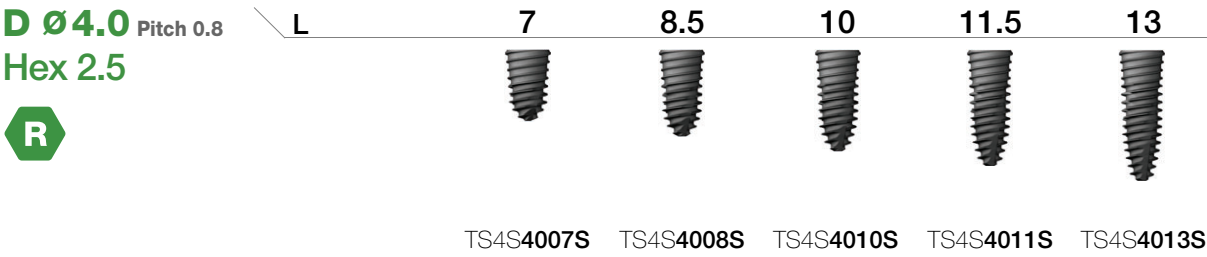
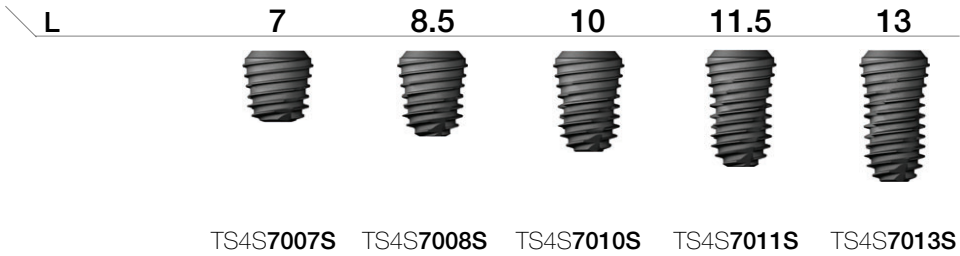


Ultra-wide

D Ø6.0
Hex 2.5
R



D Ø7.0
Hex 2.5
R



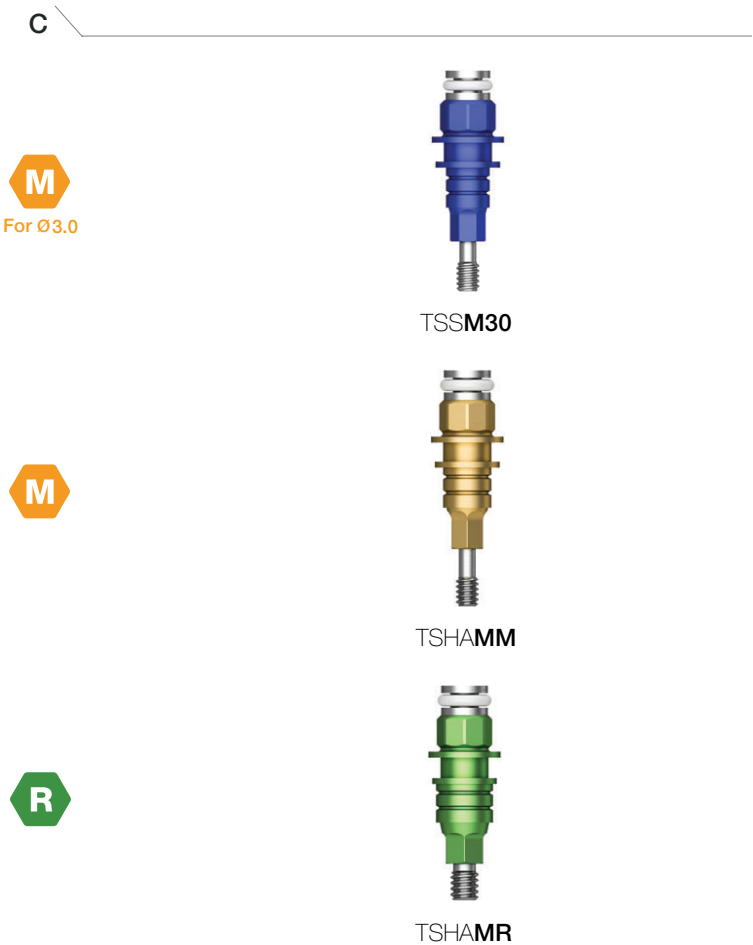
Nominal and actual diameters may slightly differ.

Mount & Screw

Simple Mount

- Use a 1.2 hex driver
- Recommended tightening torque: 8 to 10Ncm
- Packing unit: mount + mount screw
- ※ Disposable; re-use is not allowed
- C = Connection

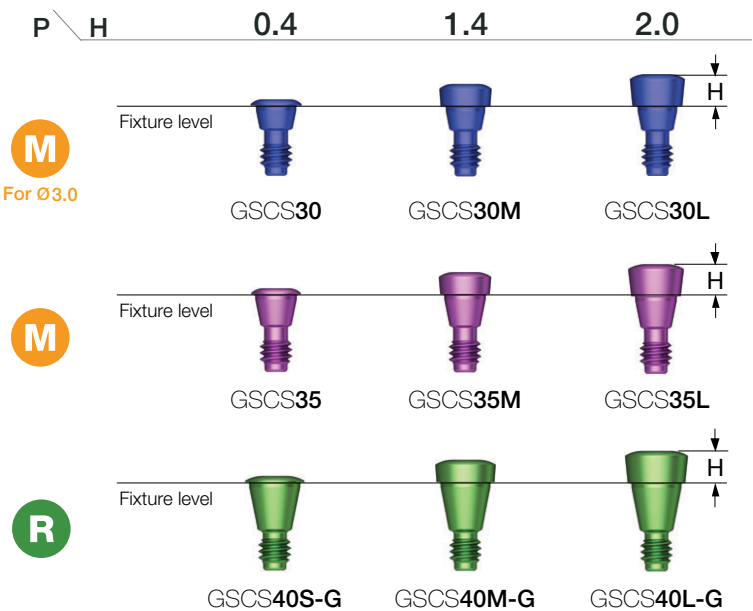
M Mini
R Regular



Cover Screw

- Height(H) selection is based on the fixture's insertion depth
- A separate cover screw is made exclusively for the $\varnothing 3.0$ fixture
- Use a 1.2 hex driver (torque manually)
- P = Platform

M Mini
R Regular



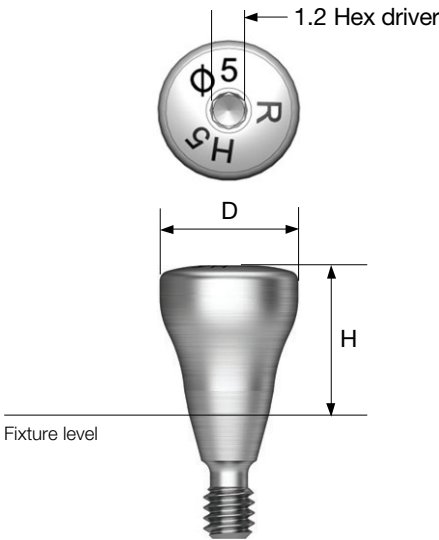
Healing Abutment

- Yellow (Mini) color coded prosthetic parts are for $\varnothing 3.5$ and $\varnothing 3.0$ fixtures
- Use a 1.2 hex driver (torque manually)

M Mini
R Regular

Matching table

Healing Abutment	H	3.0	4.0	5.0	7.0
Abutment	G/H	1.0	2.0 or 3.0	3.0 or 4.0	5.0 이상
Impression coping	Type	Short	Short	Long	Long



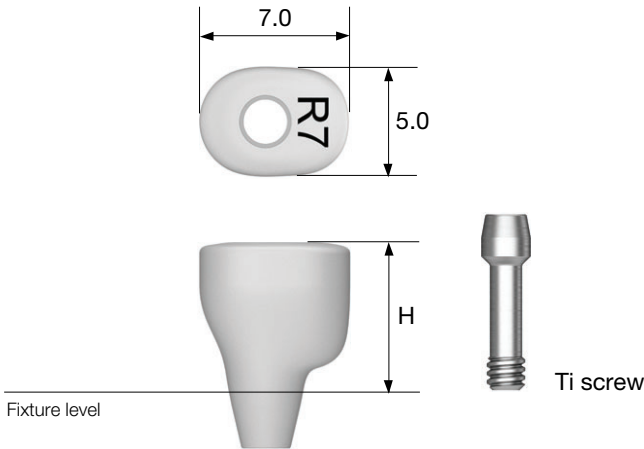
D \ H	3.0	4.0	5.0	7.0	9.0
$\varnothing 4.0$ $\varnothing 4.5$	 TSHA403M TSHA453M	 TSHA404M TSHA454M	 TSHA405M TSHA455M	 TSHA407M TSHA457M	 TSHA409M TSHA459M
D \ H	3.0	4.0	5.0	7.0	9.0
$\varnothing 4.0$ $\varnothing 4.5$ $\varnothing 5.0$ $\varnothing 6.0$ $\varnothing 7.0$ $\varnothing 8.0$	 TSHA403R TSHA453R TSHA503R TSHA603R TSHA703R -	 TSHA404R TSHA454R TSHA504R TSHA604R TSHA704R -	 TSHA405R TSHA455R TSHA505R TSHA605R TSHA705R TSHA805R	 TSHA407R TSHA457R TSHA507R TSHA607R TSHA707R -	 TSHA409R TSHA459R TSHA509R TSHA609R TSHA709R -

Custom Healing Abutment

- Healing abutment shaped like a tooth
- Prep able and resin friendly
- Material: medical grade PEEK
- Titanium screw included
- Use a 1.2 hex driver (torque manually)
- Packing unit: abutment + Ti screw
- P = Platform

Abutment + Ti screw order code
: product code + TH (ex : TSCHAPR7TH)

- M Mini
- R Regular

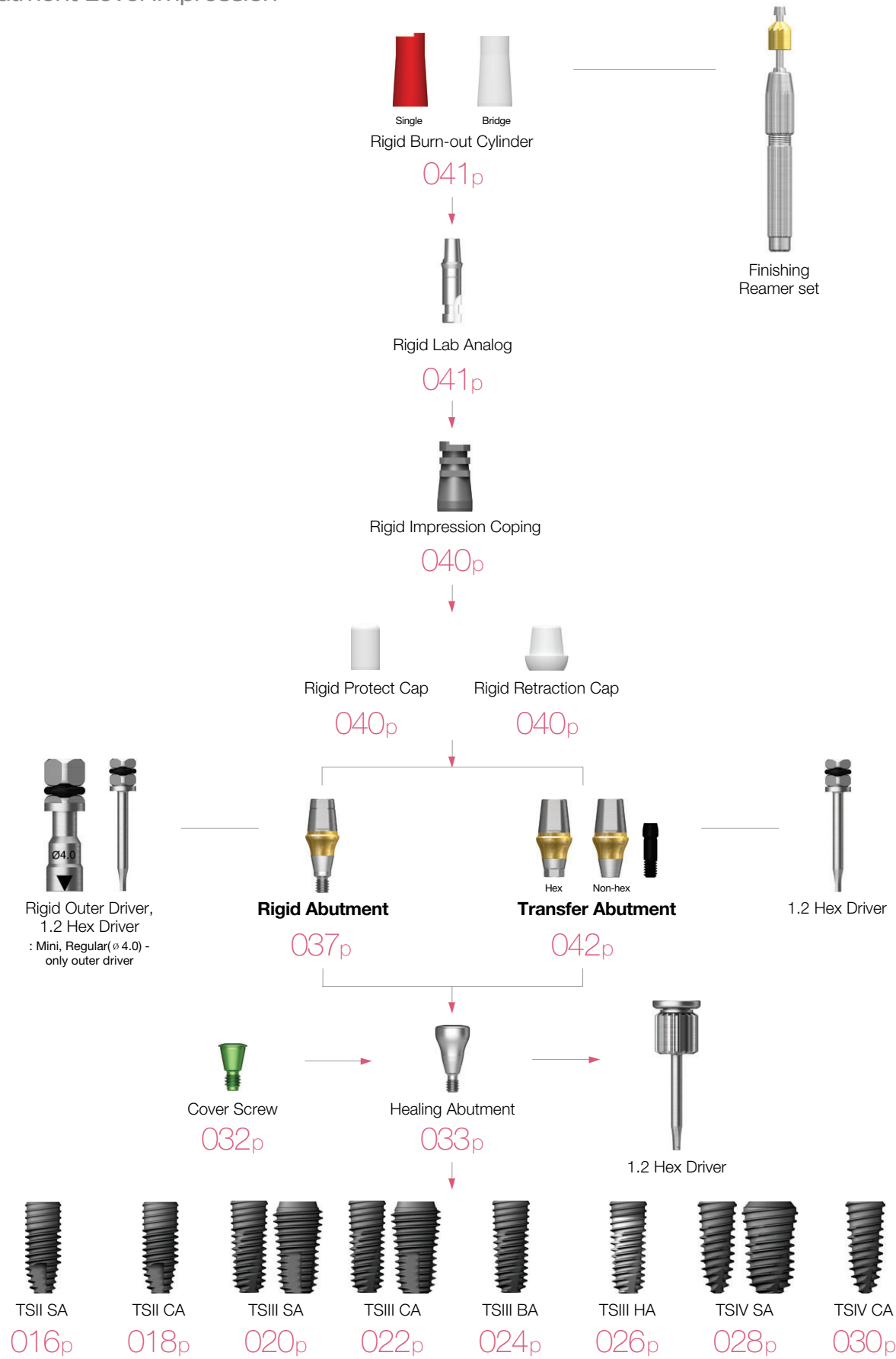


OSSTEM[®]
IMPLANT

P \ H	5.0	7.0	9.0
M			
	TSCHAPM5	TSCHAPM7	TSCHAPM9
R			
	TSCHAPR5	TSCHAPR7	TSCHAPR9

Rigid / Transfer

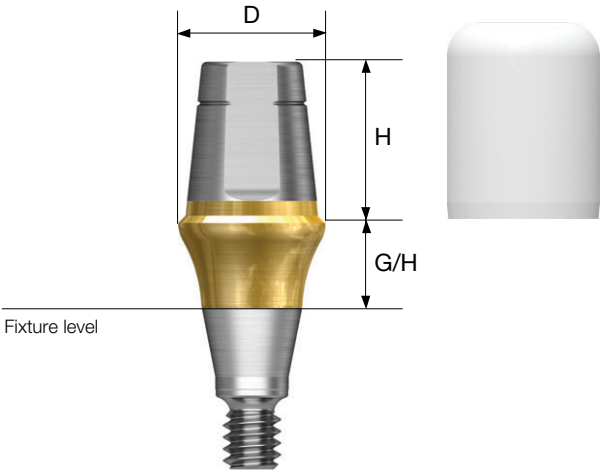
Abutment Level Impression



Rigid Abutment

- Cement-retained prosthesis
- Abutment level impression
- ø 4.0: Torque with the outer driver (code: ORDML/ORDMS)
- ø 4.5/ø 5.0/ø 6.0: Torque with the outer driver or 1.2 hex driver
- ø .0: Torque with a 1.2 hex driver
- Recommended tightening torque: 30Ncm
- Packing unit : abutment + protect cap

Abutment + protect cap order code
: product code + P (ex : GSRA5620P)



D ø4.0

M

H \ G/H	1.0	2.0	3.0	4.0	5.0
4.0	GSRA4410	GSRA4420	GSRA4430	GSRA4440	GSRA4450
5.5	GSRA4610	GSRA4620	GSRA4630	GSRA4640	GSRA4650
7.0	GSRA4710	GSRA4720	GSRA4730	GSRA4740	GSRA4750

D ø4.5

M

H \ G/H	1.0	2.0	3.0	4.0	5.0
4.0	GSRA4411	GSRA4421	GSRA4431	GSRA4441	GSRA4451
5.5	GSRA4611	GSRA4621	GSRA4631	GSRA4641	GSRA4651
7.0	GSRA4711	GSRA4721	GSRA4731	GSRA4741	GSRA4751

Rigid Abutment

D Ø4.0

R

H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	GSRAS4410	GSRAS4420	GSRAS4430	GSRAS4440	GSRAS4450
5.5	GSRAS4610	GSRAS4620	GSRAS4630	GSRAS4640	GSRAS4650
7.0	GSRAS4710	GSRAS4720	GSRAS4730	GSRAS4740	GSRAS4750

D Ø7.0

R

H \ G/H	1.0	2.0	3.0	4.0	5.0
					
5.5	GSRA7610	GSRA7620	GSRA7630	GSRA7640	GSRA7650

D Ø4.5

R

H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	GSRAS4411	GSRAS4421	GSRAS4431	GSRAS4441	GSRAS4451
5.5	GSRAS4611	GSRAS4621	GSRAS4631	GSRAS4641	GSRAS4651
7.0	GSRAS4711	GSRAS4721	GSRAS4731	GSRAS4741	GSRAS4751

D Ø5.0

R

H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	GSRA5410	GSRA5420	GSRA5430	GSRA5440	GSRA5450
5.5	GSRA5610	GSRA5620	GSRA5630	GSRA5640	GSRA5650
7.0	GSRA5710	GSRA5720	GSRA5730	GSRA5740	GSRA5750

D Ø6.0

R

H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	GSRA6410	GSRA6420	GSRA6430	GSRA6440	GSRA6450
5.5	GSRA6610	GSRA6620	GSRA6630	GSRA6640	GSRA6650
7.0	GSRA6710	GSRA6720	GSRA6730	GSRA6740	GSRA6750

Rigid Abutment Components

Rigid Protect Cap

- Protects the rigid abutment and minimizes patient irritation
- Can be used as the base for a provisional crown
- Available for transfer abutment (except for the ø 4.0)

M Mini
R Regular

D \ H	4.0	5.5	7.0
ø 4.0 / ø 4.0			
ø 4.5 / ø 4.5	GSRPC440	GSRPC460	GSRPC470
ø 5.0	GSRPC441	GSRPC461	GSRPC471
ø 6.0	GSRPC540	GSRPC560	GSRPC570
ø 7.0	GSRPC640	GSRPC660	GSRPC670
	-	GSRPC760	-

Rigid Burn-out Cylinder

- Used after casting, clean the margin for proper fitting

M Mini
R Regular

D \ Type	Single	Bridge
ø 4.0 / ø 4.0		
ø 4.5 / ø 4.5	GSRP400S	GSRP400B
ø 5.0	GSRP450S	GSRP450B
ø 6.0	GSRP500S	GSRP500B
ø 7.0	GSRP600S	GSRP600B
	GSRP700S	GSRP700B

Rigid Retraction Cap

- Used for accurate margin reproduction when taking a direct impression
- Can be used as the base for a provisional crown
- Available for transfer abutment (except for the ø 4.0)

M Mini
R Regular

D \ H	4.0	5.5	7.0
ø 4.0 / ø 4.0			
ø 4.5 / ø 4.5	GSRRC440	GSRRC460	GSRRC470
ø 5.0	GSRRC441	GSRRC461	GSRRC471
ø 6.0	GSRRC540	GSRRC560	GSRRC570
ø 7.0	GSRRC640	GSRRC660	GSRRC670
	-	GSRRC760	-

Rigid Lab Analog

- Connect to the appropriate color coded rigid impression coping

M Mini
R Regular

D \ H	4.0	5.5	7.0
ø 4.0 / ø 4.0			
ø 4.5 / ø 4.5	GSRLA440	GSRLA460	GSRLA470
ø 5.0	GSRLA441	GSRLA461	GSRLA471
ø 6.0	GSRLA540	GSRLA560	GSRLA570
ø 7.0	GSRLA640	GSRLA660	GSRLA670
	-	GSRLA760	-

Rigid Impression Coping

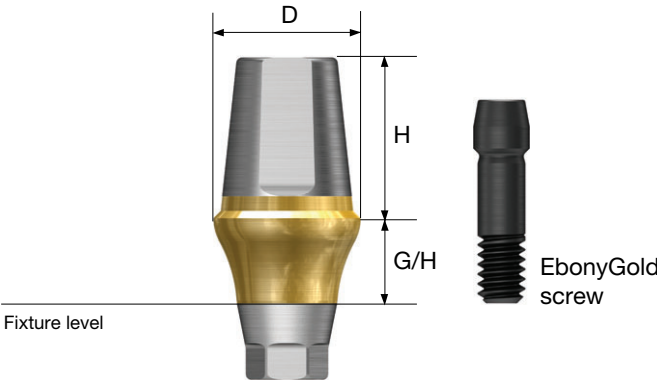
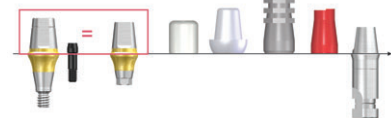
- Color coded by abutment height
- Available for transfer abutment (except for the ø 4.0)

M Mini
R Regular

D \ H	4.0	5.5	7.0
ø 4.0 / ø 4.0			
ø 4.5 / ø 4.5	GSRIC440S	GSRIC460S	GSRIC470S
ø 5.0	GSRIC441S	GSRIC461S	GSRIC471S
ø 6.0	GSRIC540S	GSRIC560S	GSRIC570S
ø 7.0	GSRIC640S	GSRIC660S	GSRIC670S
	-	GSRIC760S	-

Transfer Abutment

- Cement/combination-retained prosthesis
- Fixture level impression
- Abutment level impression is available using the rigid impression coping (except the Ø 4.0)
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw



Abutment + EbonyGold screw order code
: product code + WH (ex : GSTA4621WH)

D Ø4.0		H \ G/H	1.0	2.0	3.0	4.0	5.0
M							
EbonyGold screw : GSABSM							
Abutment level impression not possible							
Hex	5.5		GSTA4612	GSTA4622	GSTA4632	GSTA4642	GSTA4652
	7.0		GSTA4712	GSTA4722	GSTA4732	GSTA4742	GSTA4752
Non-Hex	5.5		GSTA4612N	GSTA4622N	GSTA4632N	GSTA4642N	GSTA4652N
	7.0		GSTA4712N	GSTA4722N	GSTA4732N	GSTA4742N	GSTA4752N

D Ø4.5		H \ G/H	1.0	2.0	3.0	4.0	5.0
M							
EbonyGold screw : GSABSM							
Hex	5.5		GSTA4611	GSTA4621	GSTA4631	GSTA4641	GSTA4651
	7.0		GSTA4711	GSTA4721	GSTA4731	GSTA4741	GSTA4751
Non-Hex	5.5		GSTA4611N	GSTA4621N	GSTA4631N	GSTA4641N	GSTA4651N
	7.0		GSTA4711N	GSTA4721N	GSTA4731N	GSTA4741N	GSTA4751N

D Ø4.5		H \ G/H	1.0	2.0	3.0	4.0	5.0
R							
EbonyGold screw : GSABSS							
Hex	5.5		GSTA4611	GSTA4621	GSTA4631	GSTA4641	GSTA4651
	7.0		GSTA4711	GSTA4721	GSTA4731	GSTA4741	GSTA4751
Non-Hex	5.5		GSTA4611N	GSTA4621N	GSTA4631N	GSTA4641N	GSTA4651N
	7.0		GSTA4711N	GSTA4721N	GSTA4731N	GSTA4741N	GSTA4751N

D Ø5.0		H \ G/H	1.0	2.0	3.0	4.0	5.0
R							
EbonyGold screw : GSABSS							
Hex	4.0		GSTA5410	GSTA5420	GSTA5430	GSTA5440	GSTA5450
	5.5		GSTA5610	GSTA5620	GSTA5630	GSTA5640	GSTA5650
	7.0		GSTA5710	GSTA5720	GSTA5730	GSTA5740	GSTA5750
Non-Hex	4.0		GSTA5410N	GSTA5420N	GSTA5430N	GSTA5440N	GSTA5450N
	5.5		GSTA5610N	GSTA5620N	GSTA5630N	GSTA5640N	GSTA5650N
	7.0		GSTA5710N	GSTA5720N	GSTA5730N	GSTA5740N	GSTA5750N

D Ø6.0		H \ G/H	1.0	2.0	3.0	4.0	5.0
R							
EbonyGold screw : GSABSS							
Hex	4.0		GSTA6410	GSTA6420	GSTA6430	GSTA6440	GSTA6450
	5.5		GSTA6610	GSTA6620	GSTA6630	GSTA6640	GSTA6650
	7.0		GSTA6710	GSTA6720	GSTA6730	GSTA6740	GSTA6750
Non-Hex	4.0		GSTA6410N	GSTA6420N	GSTA6430N	GSTA6440N	GSTA6450N
	5.5		GSTA6610N	GSTA6620N	GSTA6630N	GSTA6640N	GSTA6650N
	7.0		GSTA6710N	GSTA6720N	GSTA6730N	GSTA6740N	GSTA6750N

D Ø7.0		H \ G/H	1.0	2.0	3.0	4.0	5.0
R							
EbonyGold screw : GSABSS							
Hex	5.5		GSTA7610	GSTA7620	GSTA7630	GSTA7640	GSTA7650
Non-Hex	5.5		GSTA7610N	GSTA7620N	GSTA7630N	GSTA7640N	GSTA7650N

Transfer Abutment Components

Laboratory Screw

- Lab screw: Abutment screw for lab work
- Waxing screw: Longer screw for making screw-type prostheses and transfer jigs
- Packing unit : lab screw, waxing screw

M Mini
R Regular

Lab Screw Waxing Screw

M


GSABSM**L**


GSABSM**W**

R


GSABSS**L**


GSABSS**W**

Fixture Lab Analog

- Lab analog for fixture level impressions
- Select appropriate size according to the diameter of a fixture;
≥ Ø 3.0/≥ Ø 3.5/≥ Ø 4.0

M Mini
R Regular

M
For Ø3.0


GSTLA**300**

M


GSTLA**350**

R


GSTLA**400**

Bite Index

- Connected to a fixture to check the bite impression
- Torque manually using a 1.2 hex driver
- Packing unit : bite index x 2ea

M Mini
R Regular

D \ L	4.0	6.0	8.0	10.0	12.0
					
Ø 4.5	GSBIM 4504S	GSBIM 4506S	GSBIM 4508S	GSBIM 4510S	GSBIM 4512S
Ø 5.5	GSBIS 5504S	GSBIS 5506S	GSBIS 5508S	GSBIS 5510S	GSBIS 5512S

Transfer Abutment Components

Fixture Pick-up Impression Coping

- For open tray impressions
- Unique design that is fixed position in the impression material
- Use a 1.2 hex driver (torque manually)
- Packing unit : impression coping body + guide pin(*)

M Mini (Yellow)

R Regular (Silver)

D \ L		11		Guide Pin		
Type		Hex	Non-Hex	0	5.0	9.0
						
Ø 4.0		GSPIM4011	GSPIM4011N	GSPGPM100	GSPGPM150*	GSPGPM150L
Ø 4.5		GSPIM4511	GSPIM4511N			
Ø 4.0		GSPIS4011	GSPIS4011N	GSPGPR100	GSPGPR150*	GSPGPR150L
Ø 4.5		GSPIS4511	GSPIS4511N			
Ø 5.0		GSPIS5011	GSPIS5011N			
Ø 6.0		GSPIS6011	GSPIS6011N			
Ø 7.0		GSPIS7011	GSPIS7011N			

D \ L		15		Guide Pin		
Type		Hex	Non-Hex	0	5.0	9.0
						
Ø 4.0		GSPIM4015	GSPIM4015N	GSPGPM100L	GSPGPM150L*	GSPGPM200L
Ø 4.5		GSPIM4515	GSPIM4515N			
Ø 4.0		GSPIS4015	GSPIS4015N	GSPGPR100L	GSPGPR150L*	GSPGPR200L
Ø 4.5		GSPIS4515	GSPIS4515N			
Ø 5.0		GSPIS5015	GSPIS5015N			
Ø 6.0		GSPIS6015	GSPIS6015N			
Ø 7.0		GSPIS7015	GSPIS7015N			

Fixture Transfer Impression Coping

- For closed tray impressions
- Triangular arc ensure accurate placement
- Use a 1.2 hex driver (torque manually)
- Packing unit
 - Hex : impression coping body + guide pin
 - Non-hex : impression coping

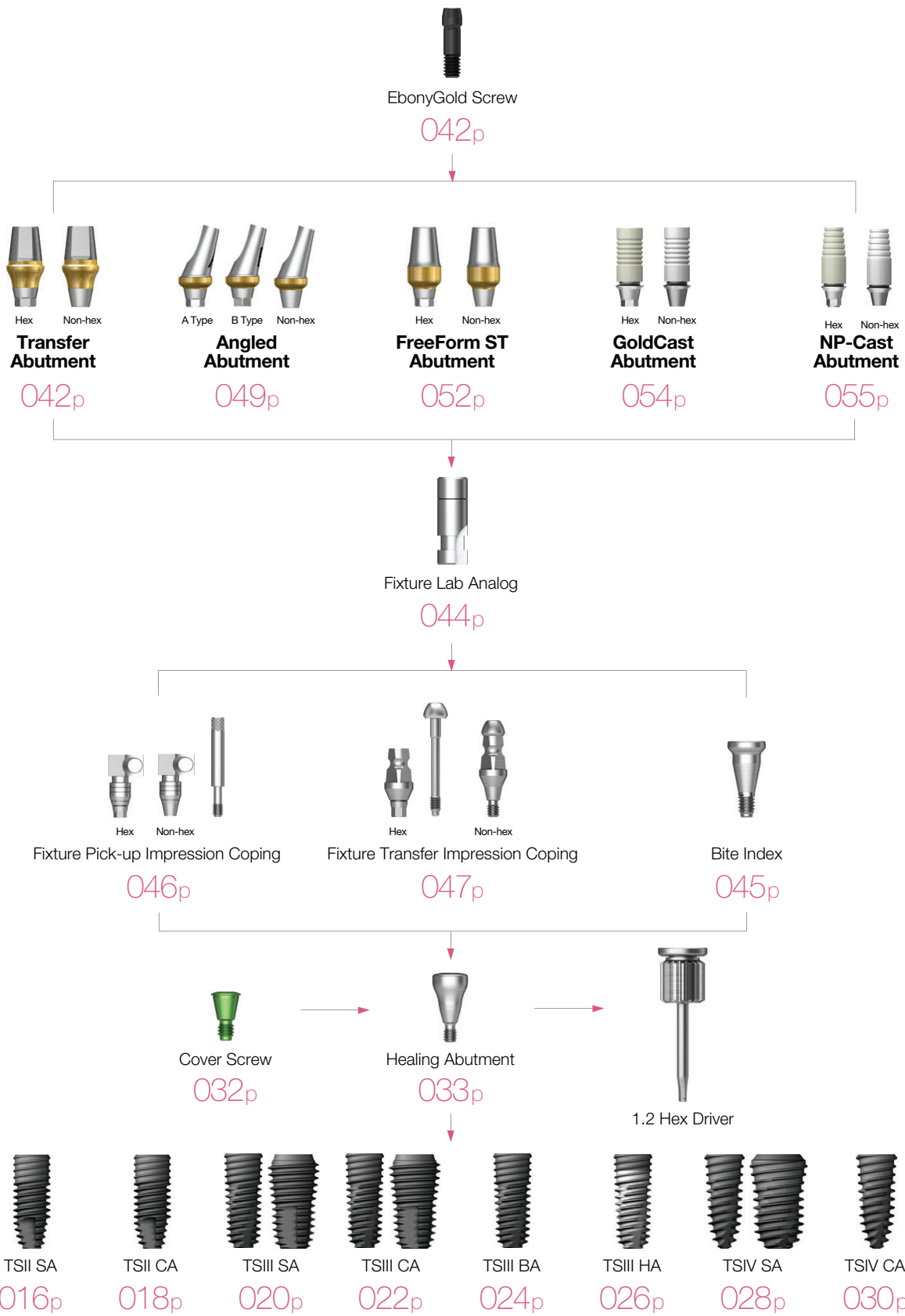
M Mini (Yellow)

R Regular (Silver)

D \ L		11		14	
Type		Hex	Non-Hex	Hex	Non-Hex
					
Ø 4.0		GSTIM4011	GSTIM4011N	GSTIM4014	GSTIM4014N
Ø 4.5		GSTIM4511	GSTIM4511N	GSTIM4514	GSTIM4514N
Ø 4.0		GSTIS4011	GSTIS4011N	GSTIS4014	GSTIS4014N
Ø 4.5		GSTIS4511	GSTIS4511N	GSTIS4514	GSTIS4514N
Ø 5.0		GSTIS5011	GSTIS5011N	GSTIS5014	GSTIS5014N
Ø 6.0		GSTIS6011	GSTIS6011N	GSTIS6014	GSTIS6014N
Ø 7.0		GSTIS7011	GSTIS7011N	GSTIS7014	GSTIS7014N

Transfer / Angled / FreeForm ST /
GoldCast / NP-Cast

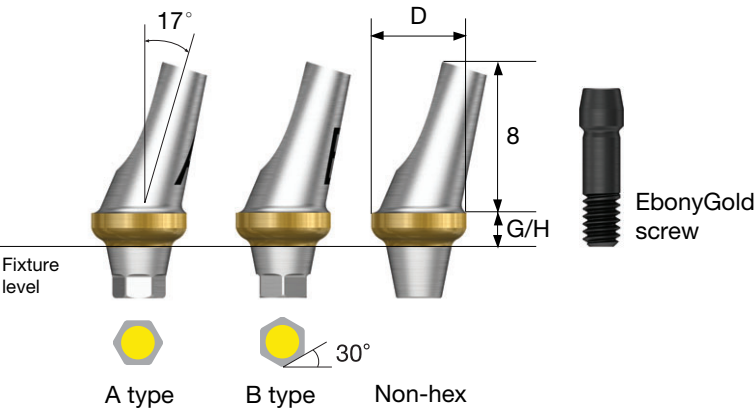
Fixture Level Impression



Angled Abutment

- Cement/combination-retained prosthesis
- Angle compensation up to 23° without the need for trimming
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order Code
: product code + **WH** (ex : GSAA5020A**WH**)



D Ø4.0	G/H Type	2.0			4.0		
		Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
 EbonyGold screw : GSABSM							
		GSAA4020MA	GSAA4020MB	GSAA4020MN	GSAA4040MA	GSAA4040MB	GSAA4040MN

D Ø4.5	G/H Type	2.0			4.0		
		Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
 EbonyGold screw : GSABSM							
		GSAA4520MA	GSAA4520MB	GSAA4520MN	GSAA4540MA	GSAA4540MB	GSAA4540MN

Angled Abutment

D Ø4.5

R

EbonyGold screw
: GSABSS

G/H	2.0			4.0		
Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
						
	GSAA4520A	GSAA4520B	GSAA4520N	GSAA4540A	GSAA4540B	GSAA4540N

D Ø5.0

R

EbonyGold screw
: GSABSS

G/H	2.0			4.0		
Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
						
	GSAA5020A	GSAA5020B	GSAA5020N	GSAA5040A	GSAA5040B	GSAA5040N

D Ø6.0

R

EbonyGold screw
: GSABSS

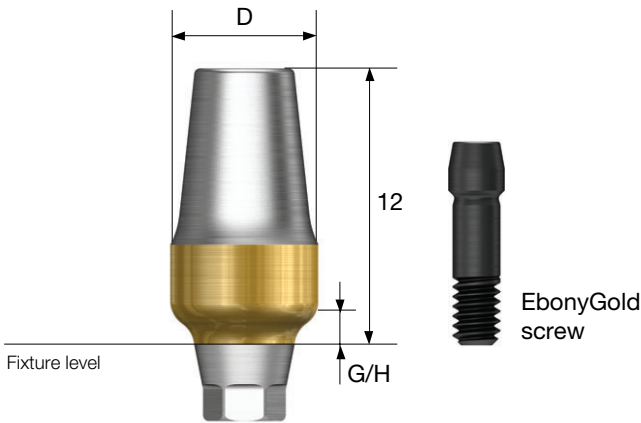
G/H	2.0			4.0		
Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
						
	GSAA6020A	GSAA6020B	GSAA6020N	GSAA6040A	GSAA6040B	GSAA6040N



FreeForm ST Abutment

- Cement/combination-retained prosthesis
- Prep-able margins can be contoured as needed
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: pcode + WH (ex : GSFA5015WH)



D Ø5.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFAS5015	GSFAS5015N	GSFAS5030	GSFAS5030N

D Ø5.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFA5015	GSFA5015N	GSFA5030	GSFA5030N

D Ø4.0



EbonyGold screw
: GSABSM

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFAM4015	GSFAM4015N	GSFAM4030	GSFAM4030N

D Ø6.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFA6015	GSFA6015N	GSFA6030	GSFA6030N

D Ø4.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFA4015	GSFA4015N	GSFA4030	GSFA4030N

D Ø7.0



EbonyGold screw
: GSABSS

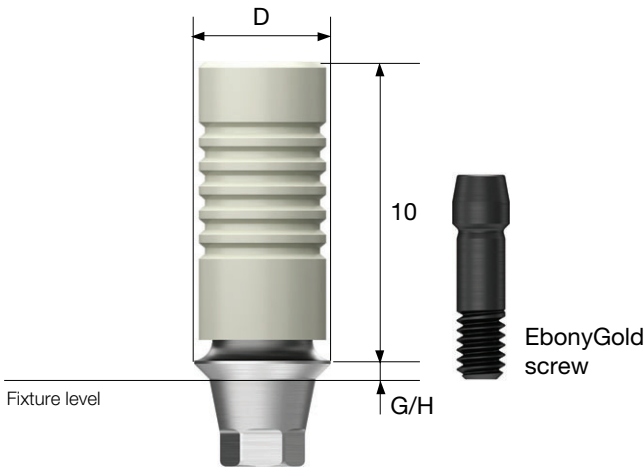
G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSFA7015	GSFA7015N	GSFA7030	GSFA7030N

GoldCast Abutment

NP-Cast Abutment

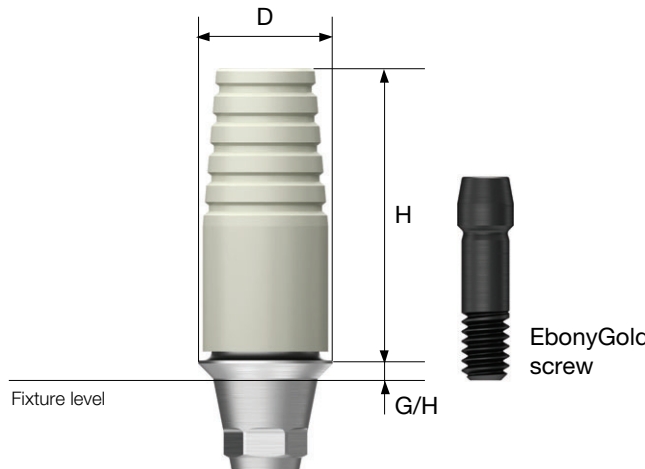
- Cement/combination/screw-retained prosthesis
- Customized prosthesis cast with gold alloy
- Abutment melting point: 1400 to 1450°C
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : GSGA4510S**WH**)



- Cement/combination/screw-retained prosthesis
- Customized prosthesis cast with non-precious alloys
- Abutment melting point: 1400 to 1550°C
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : GSNA4510S**WH**)



TS SYSTEM

054

D Ø4.0



EbonyGold screw
: GSABSM

G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSGA4010S	GSGA4010B	GSGA4030S	GSGA4030B

D Ø4.0



EbonyGold screw
: GSABSM

G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSNA4010S	GSNA4010B	GSNA4030S	GSNA4030B

TS SYSTEM

055

D Ø4.5



EbonyGold screw
: GSABSS

G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSGA4510S	GSGA4510B	GSGA4530S	GSGA4530B

D Ø4.5

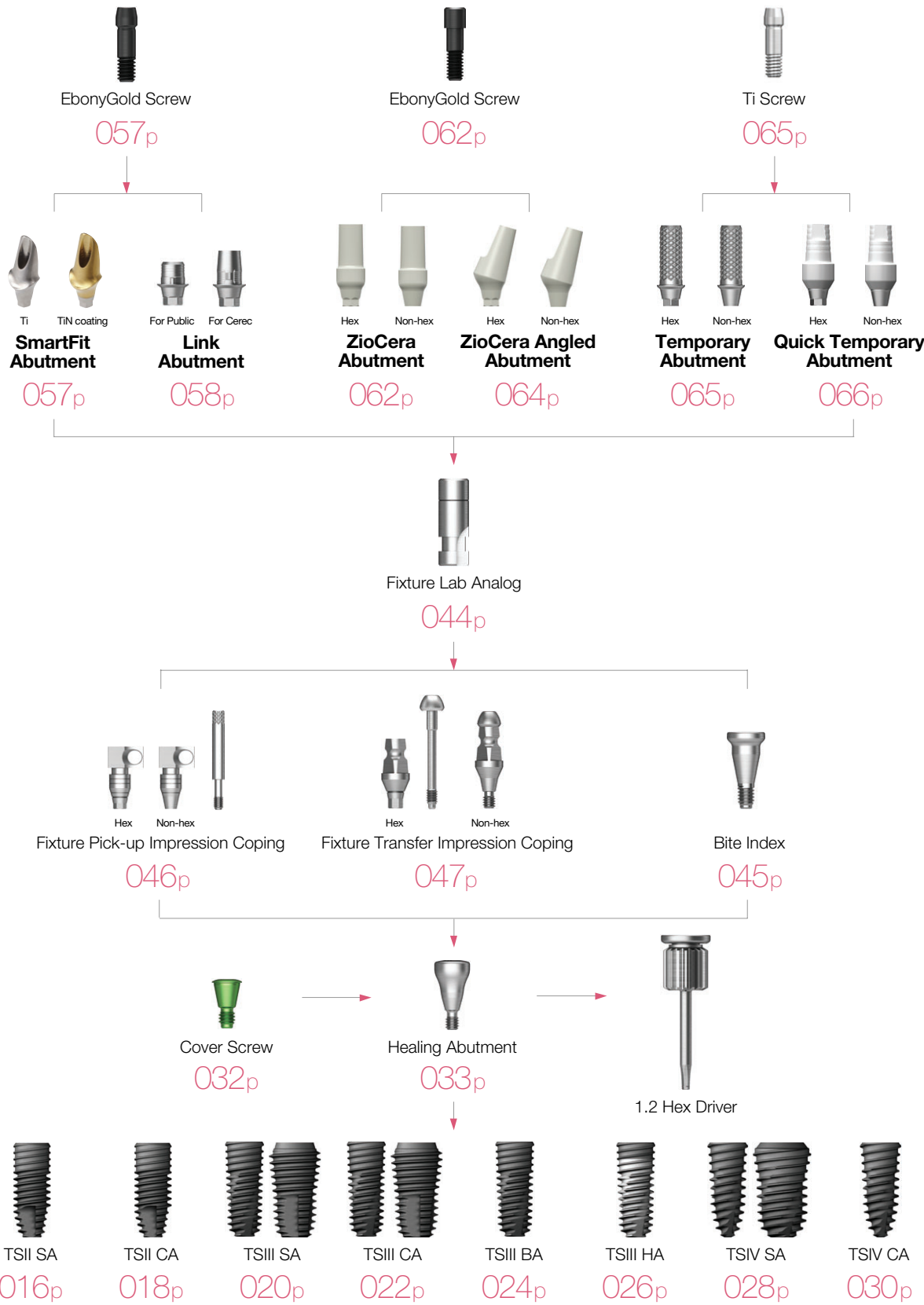


EbonyGold screw
: GSABSS

G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSNA4510S	GSNA4510B	GSNA4530S	GSNA4530B

SmartFit / Link / ZioCera / ZioCera Angled Temporary / Quick Temporary

Fixture Level Impression



SmartFit Abutment

- Cement/combination-retained prosthesis
- CAD/CAM designed and milled customized abutments
- Fixture level impression
- Lead time (in working days)
 - Titanium: 5 days
 - Titanium + gold color: 7 days
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw



Scan Body

- Component used to scan the position of the implant to design the SMARTFIT custom abutment.
- Color coded screws
- Use a 1.2 hex driver (torque manually)
- Packing unit : scan body + Ti screw

Scan body + screw order code
: product code + **TH** (ex : TSSBM**TH**)

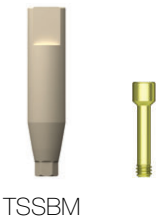
M Mini
R Regular

Scan body compatible with other manufacturers' SmartFit abutment

Dentium Superline	DESBSTH	Purple anodizing screw
Dio UF Dentis One Q Megagen AnyOne	CUSBSTH	

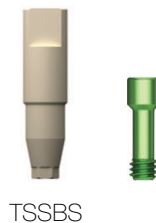
M

Yellow color screw
: TSSBSM



R

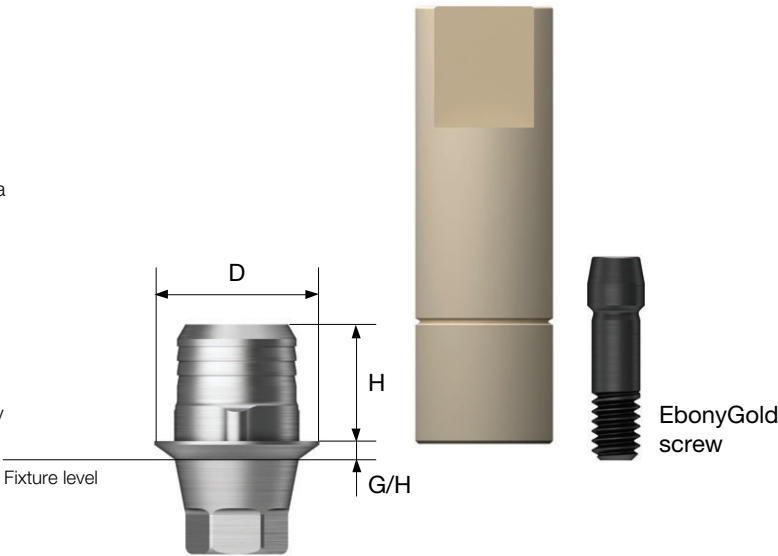
Green color screw
: TSSBS



Link Abutment for Public

- Cement/combination/screw-retained prosthesis
- Titanium base for CAD/CAM designed and milled Zirconia custom abutment
- Use Osstem's official Implant Library
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw + scan body

Abutment + EbonyGold screw + scan body
order code
: product code + WH (ex : TSPTB431RWH)



D Ø4.0



EbonyGold screw
: GSABSM

		G/H	1.0	2.0
		Type		
Hex	3.0		TSPTB431M	TSPTB432M
	5.0		TSPTB451M	TSPTB452M
Non-Hex	3.0		TSPTB431MN	TSPTB432MN
	5.0		TSPTB451MN	TSPTB452MN

D Ø4.5



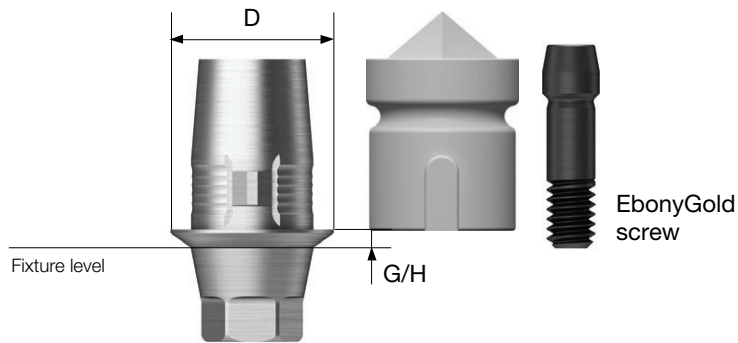
EbonyGold screw
: GSABSS

		G/H	1.0	2.0
		Type		
Hex	3.0		TSPTB431R	TSPTB432R
	5.0		TSPTB451R	TSPTB452R
Non-Hex	3.0		TSPTB431RN	TSPTB432RN
	5.0		TSPTB451RN	TSPTB452RN

Link Abutment for Cerec

- Cement/combination/screw-retained prosthesis
- Titanium base for CEREC™ CAD/CAM designed and milled Zirconia custom abutment
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)

Abutment + EbonyGold screw + scan body
order code
: product code + **WH** (ex : TSCTBR**WH**)



Scan Post

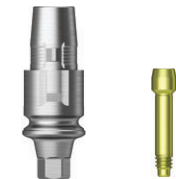
- Special post used to scan the position of the implant where space is limited (i.e. thick soft tissue, deeply inserted fixture).
- Connect scan body before scanning
- Use a 1.2 hex driver (torque manually)
- Packing unit : scan post + Ti screw

Scan body + Screw order code
: product code + **TH** (ex : TSCSPR**TH**)

- M** Mini
- R** Regular



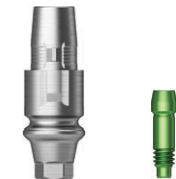
Yellow anodizing screw
: GSABSM



TSCSPM



Green anodizing screw
: GSABSSL



TSCSPR

Scan Body

- Scan after connecting to a link abutment for CEREC™, or a scan post.
- Packing unit : scan body x 10ea



TSCSBS



EbonyGold screw
: GSABSM

Type Hex Non-Hex



TSCT**BM**



TSCT**BMN**



EbonyGold screw
: GSABSS

Type Hex Non-Hex



TSCT**BR**

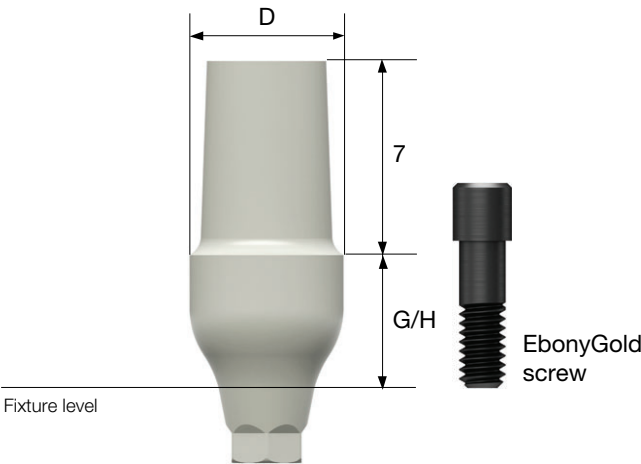


TSCT**BRN**

ZioCera Abutment

- Cement/combination/screw-retained prosthesis
- Zirconium abutment for an all ceramic prostheses ideal for anterior - esthetic zone.
- Fixture level impression
- Use a 1.2 hex driver
- Abutment screw included
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : GSZAS5535**NWH**)



D Ø5.5



EbonyGold screw
: GSASR

G/H Type	3.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSZAS5535	GSZAS5535N	GSZAS5550	GSZAS5550N

D Ø6.5



EbonyGold screw
: GSASR

G/H Type	3.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSZAS6535	GSZAS6535N	GSZAS6550	GSZAS6550N

D Ø4.5



EbonyGold screw
: GSASM

G/H Type	3.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSZAM4535	GSZAM4535N	GSZAM4550	GSZAM4550N

D Ø4.5



EbonyGold screw
: GSASR

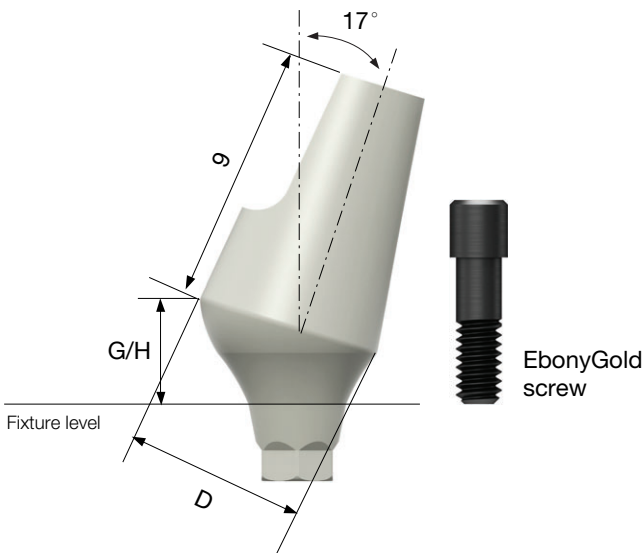
G/H Type	3.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	GSZAS4535	GSZAS4535N	GSZAS4550	GSZAS4550N

ZioCera Angled Abutment

Temporary Abutment

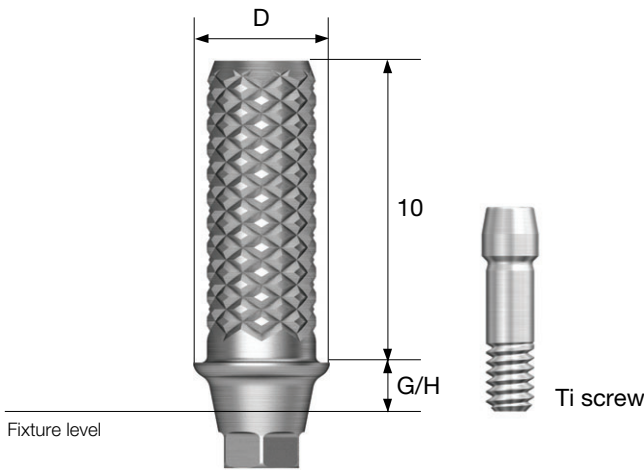
- Cement/combination/screw-retained prosthesis
- Zirconium abutment for an all ceramic prostheses ideal for anterior - esthetic zone.
- Angle compensation up to 23° without the need for additional adjustment
- Fixture level impression
- Use a 1.2 hex driver
- Abutment screw included
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + WH (ex : GS17ZAS5530NWH)



- Cement/screw-retained prosthesis
- A trim able provisional prosthesis (made of Ti Gr-3)
- Fixture level impression
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini/regular)
- Packing unit : abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : GSTTA4510TH)



D Ø5.5

R

EbonyGold screw
: GSASR

G/H	3.0	
Type	Hex	Non-Hex
	GS17ZAS5530	GS17ZAS5530N

D Ø6.5

R

EbonyGold screw
: GSASR

G/H	4.0	
Type	Hex	Non-Hex
	GS17ZAS6540	GS17ZAS6540N

D Ø4.0

M

Ti screw
: GSABSMT

G/H	1.0		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	GSTTA4010	GSTTA4010N	GSTTA4030	GSTTA4030N

D Ø4.5

R

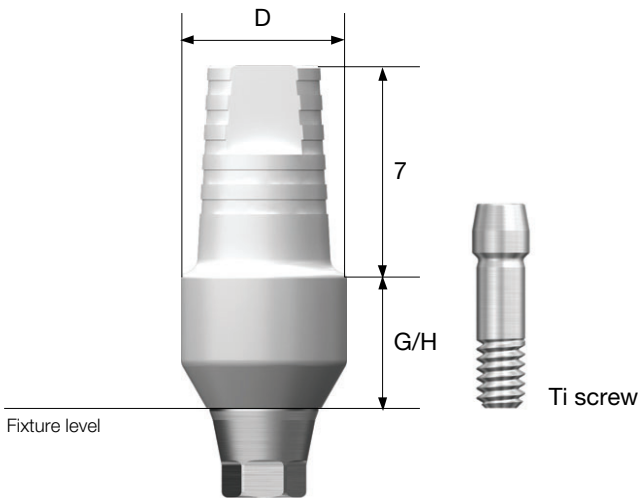
Ti screw
: GSABSST

G/H	1.0		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	GSTTA4510	GSTTA4510N	GSTTA4530	GSTTA4530N

Quick Temporary Abutment

- Cement/screw-retained prosthesis
- A provisional prostheses for immediate loading
- Prep able and resin friendly
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini/regular)
- Packing unit : abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : TSQTA5550TH)



D Ø4.5



Ti screw
: GSABSST

G/H Type	1.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	TSQTA4515R	TSQTA4515RN	TSQTA4550R	TSQTA4550RN

D Ø5.5



Ti screw
: GSABSST

G/H Type	1.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	-	-		
	-	-	TSQTA5550	TSQTA5550N

D Ø4.0



Ti screw
: GSABSMT

G/H Type	1.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	TSQTA4015M	TSQTA4015MN	TSQTA4050M	TSQTA4050MN

D Ø4.5



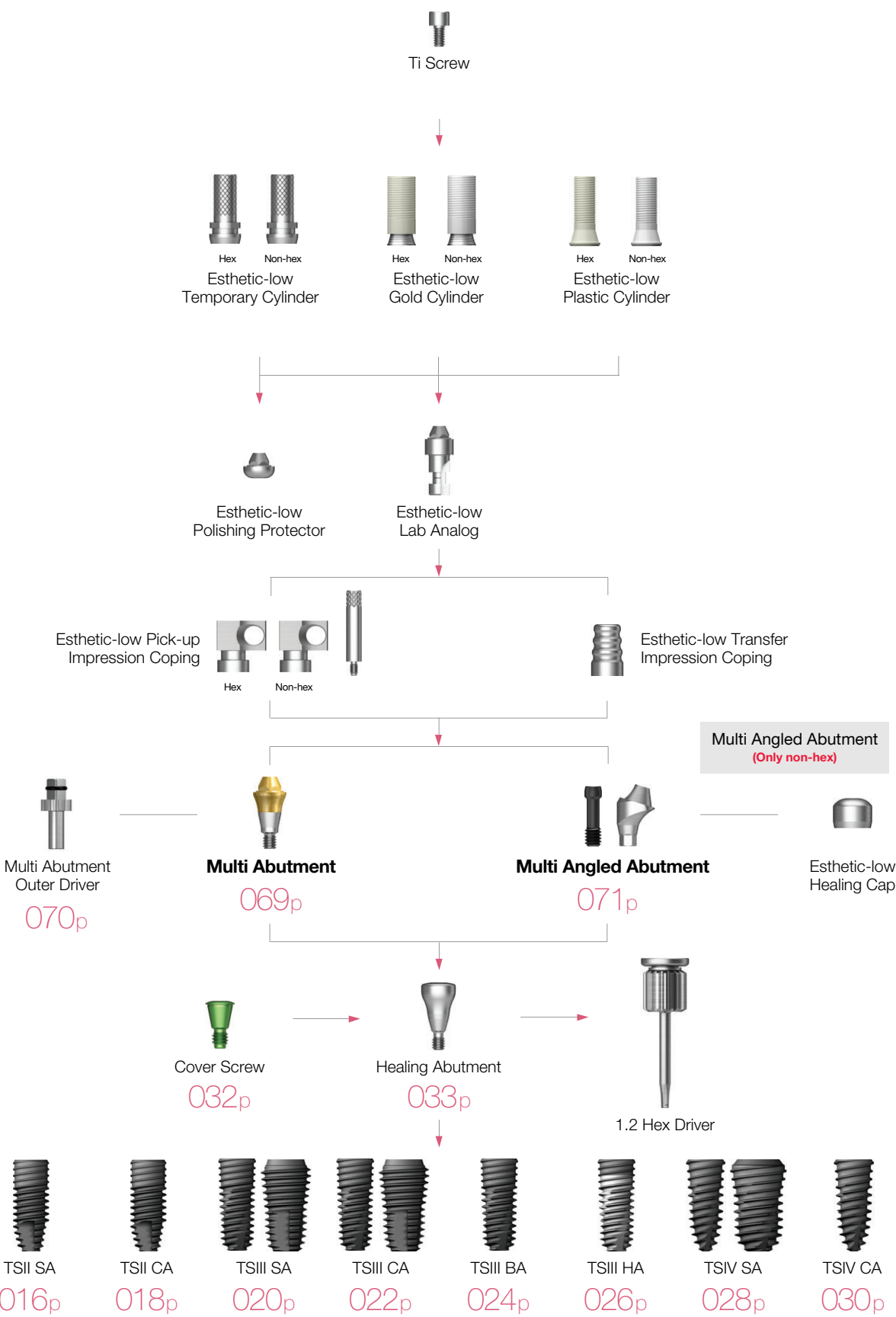
Ti screw
: GSABSMT

G/H Type	1.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	-	-		
	-	-	TSQTA4550	TSQTA4550N

PROSTHETIC FLOW DIAGRAM 4

Multi / Multi Angled

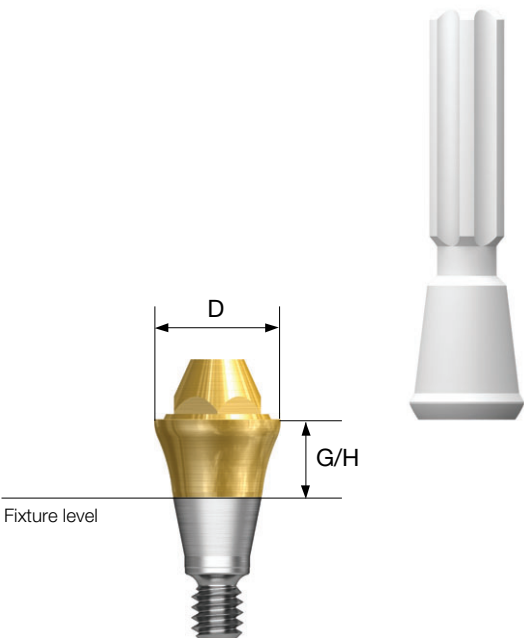
Abutment Level Impression



Multi Abutment

- Screw-retained prosthesis for multiple prosthetic options
- Same platform as the multi angled abutment
- Restorative Components: US Esthetic Low Cylinder (regular/non-hex)
- Torque using Multi Abutment Outer Driver (code: MAOD)
- Recommended tightening torque: 30Ncm (mini/regular)
- Packing unit : abutment + carrier

Abutment + carrier order code
: product code + **P** (ex : TSMA5030**P**)



D Ø4.8
M

G/H	1.0	2.0	3.0	4.0	5.0
	TSMA5010M	TSMA5020M	TSMA5030M	TSMA5040M	TSMA5050M

D Ø4.8
R

G/H	1.0	2.0	3.0	4.0	5.0
	TSMA5010	TSMA5020	TSMA5030	TSMA5040	TSMA5050

Multi Abutment Components

Multi Abutment Outer Driver

- Multi Abutment torque driver



MAOD

Multi Abutment Machine Driver

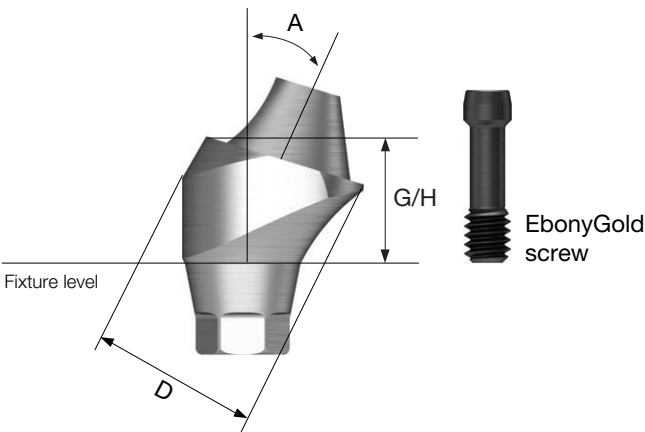
- Multi Abutment machine driver



MAMD

Multi Angled Abutment

- Screw-retained prosthesis for multiple prosthetic options
- Same platform as the multi angled abutment
- Angle compensation up to 108°
- Restorative Components: US Esthetic Low Cylinder (regular/non-hex)
- Abutment screw included
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw



Abutment + EbonyGold screw order code
: product code + **WH** (ex : GS17MAS4840**WH**)

D Ø4.8



EbonyGold screw
: GSMABSM

Angle \ G/H	2.5	3.0	4.0
17°	 GS17MAM4820	 GS17MAM4830	 GS17MAM4840

Angle \ G/H	3.5	4.0	5.0
30°	 GS30MAM4830	 GS30MAM4840	 GS30MAM4850

D Ø4.8



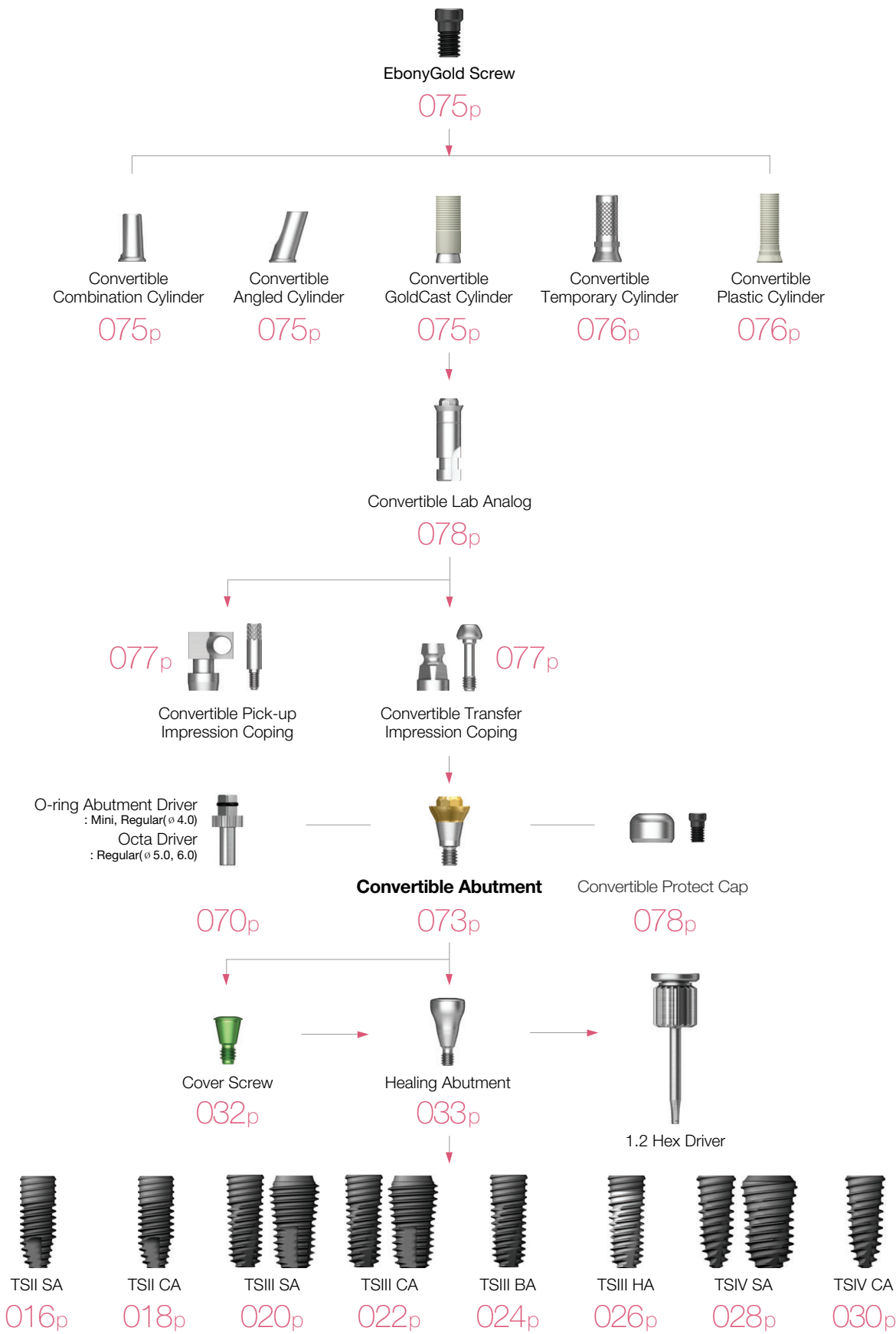
EbonyGold screw
: GSMABSS

Angle \ G/H	2.5	3.0	4.0
17°	 GS17MAS4820	 GS17MAS4830	 GS17MAS4840

Angle \ G/H	3.5	4.0	5.0
30°	 GS30MAS4830	 GS30MAS4840	 GS30MAS4850

Convertible

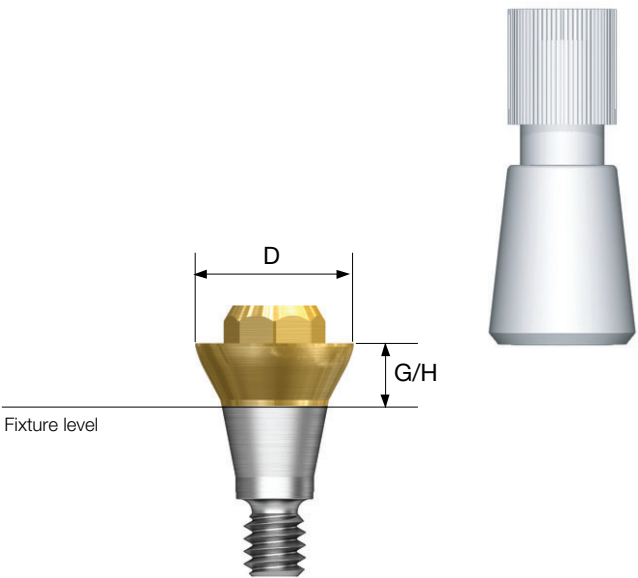
Abutment Level Impression



Convertible Abutment

- Screw-retained prosthesis in multiple scenarios
- Angle compensation up to 60°
- Torque using Convertible Abutment Outer Driver
 - Ø 4.0: Torque using o-ring abutment driver (code: AORD)
 - Ø 5.0 and Ø 6.0: Torque using octa abutment driver (code: ODSL/ODSS)
- Recommended tightening torque: 30Ncm (mini/regular)
- Packing unit : abutment + carrier

Abutment + carrier order code
: product code + P (ex : GSCA5030P)



D Ø4.0



G/H	1.0	2.0	3.0	4.0	5.0
					-
	GSCA4010	GSCA4020	GSCA4030	GSCA4040	-

D Ø4.0



G/H	1.0	2.0	3.0	4.0	5.0
					-
	GSCAS4010	GSCAS4020	GSCAS4030	GSCAS4040	-

Convertible Abutment

D Ø5.0



G/H	1.0	2.0	3.0	4.0	5.0
	GSCA5010	GSCA5020	GSCA5030	GSCA5040	GSCA5050

D Ø6.0



G/H	1.0	2.0	3.0	4.0	5.0
	GSCA6010	GSCA6020	GSCA6030	GSCA6040	GSCA6050

Convertible Abutment Components

Convertible Combination Cylinder

- Combination-retained prostheses possible
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + EbonyGold cylinder screw

Abutment + EbonyGold screw order code
: product code + WH (ex : GSCC5070T**WH**)



Mini



Regular

D \ H	Type	Hex	Non-Hex	Octa
Ø 4.0 / Ø 4.0		GSCC4070T	GSCC4070TN	-
Ø 5.0		-	-	GSCC5070T
Ø 6.0		-	-	GSCC6070T
EbonyGold screw : GSFSM (Ø 4.0 / Ø 4.0) : GSFSR (Ø 5.0 / Ø 6.0)				

Convertible Angled Cylinder

- Combination-retained prosthesis possible
- Angle compensation up to 17°
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + EbonyGold cylinder screw

Abutment + EbonyGold screw order code
: product code + WH (ex : GSAC5080T**WH**)



Mini



Regular

D \ H	Type	Hex	Non-Hex	Octa
Ø 4.0 / Ø 4.0		GSAC4080T	GSAC4080TN	-
Ø 5.0		-	-	GSAC5080T
Ø 6.0		-	-	GSAC6080T
EbonyGold screw : GSFSM (Ø 4.0 / Ø 4.0) : GSFSR (Ø 5.0 / Ø 6.0)				

Convertible GoldCast Cylinder

- Screw-retained prosthesis
- Customized prosthesis cast with gold alloy
- Cylinder melting point: 1400 to 1450°C
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + EbonyGold cylinder screw

Abutment + EbonyGold screw order code
: product code + WH (ex : GSGC500**WH**)



Mini



Regular

D \ H	Type	Hex	Non-Hex	Octa
Ø 4.0 / Ø 4.0		GSGC400	GSGC400N	-
Ø 5.0		-	-	GSGC500
Ø 6.0		-	-	GSGC600
EbonyGold screw : GSFSM (Ø 4.0 / Ø 4.0) : GSFSR (Ø 5.0 / Ø 6.0)				

Convertible Abutment Components

Convertible Temporary Cylinder

- Provisional prosthesis (Ti Gr-3)
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + Ti cylinder screw

Abutment + Ti screw order code
: product code + **TH** (ex : GSCTC500T**TH**)



D \ H	Type	Hex	Non-Hex	Octa
Ø 4.0 / Ø 4.0		 GSCTC400T	 GSCTC400TN	-
Ø 5.0		-	-	GSCTC500T
Ø 6.0		-	-	GSCTC600T

EbonyGold screw
 : GSFSMT (Ø 4.0 / Ø 4.0)
 : GSFSRT (Ø 5.0 / Ø 6.0)

Convertible Plastic Cylinder

- Screw-retained prosthesis
- Customized prosthesis cast with non-precious alloys
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + EbonyGold cylinder screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : GSCPL500**WH**)



D \ H	Type	Hex	Non-Hex	Octa
				
		GSCPL400	GSCPL400N	-
	Ø 4.0 / Ø 4.0	-	-	GSCPL500
	Ø 5.0	-	-	GSCPL600
	Ø 6.0	-	-	

EbonyGold screw

- : GSFSM (Ø 4.0 / Ø 4.0)
- : GSFSR (Ø 5.0 / Ø 6.0)

Convertible Pick-up Impression Coping

- A pick-up impression coping
- Use a 1.2 hex driver (torque manually)
- Packing unit : impression coping body + guide pin(*)



 Mini
 Regular

		Guide Pin	
		0	5.0
D			
	GSPIC 400 (Hex / Yellow)	GSCGP 400S	GSCGP 400L*
	GSPIC 500 (Octa / Silver)	GSCGP 500S	GSCGP 500L*
	GSPIC 600 (Octa / Blue)		

Convertible Transfer Impression Coping

- Transfer impression coping
- Use a 1.2 hex driver (torque manually)
- Packing unit : impression coping body + guide pin



D

Ø 4.0 / Ø 4.0

Ø 5.0

Ø 6.0

GSTIC**400** (Hex / Yellow)

GSTIC**500** (Octa / Silver)

GSTIC**600** (Octa / Blue)

Convertible Abutment Components

Convertible Protect Cap

- Protective cap
- Use a 1.2 hex driver (fastened manually)
- Packing unit : protect cap + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : GSCHC500**WH**)

- M Mini
- R Regular

	D			
ø 4.0 / ø 4.0		GSCHC400 (Hex)	-	-
ø 5.0		-	GSCHC500 (Non-Octa)	-
ø 6.0		-	-	GSCHC600 (Non-Octa)
EbonyGold screw				
: GSFSM (ø 4.0 / ø 4.0)				
: GSFSR (ø 5.0 / ø 6.0)				

Convertible Lab Analog

- A lab analog
- Use a 1.2 hex driver (fastened manually)

- M Mini
- R Regular

	D			
ø 4.0 / ø 4.0		GSCLA400 (Hex)	-	-
ø 5.0		-	GSCLA500 (Octa)	-
ø 6.0		-	-	GSCLA600 (Octa)

Convertible Polishing Protector

- Protects GoldCast/Plastic Cylinder joints during polishing process
- Use a 1.2 hex driver (torque manually)

- M Mini
- R Regular

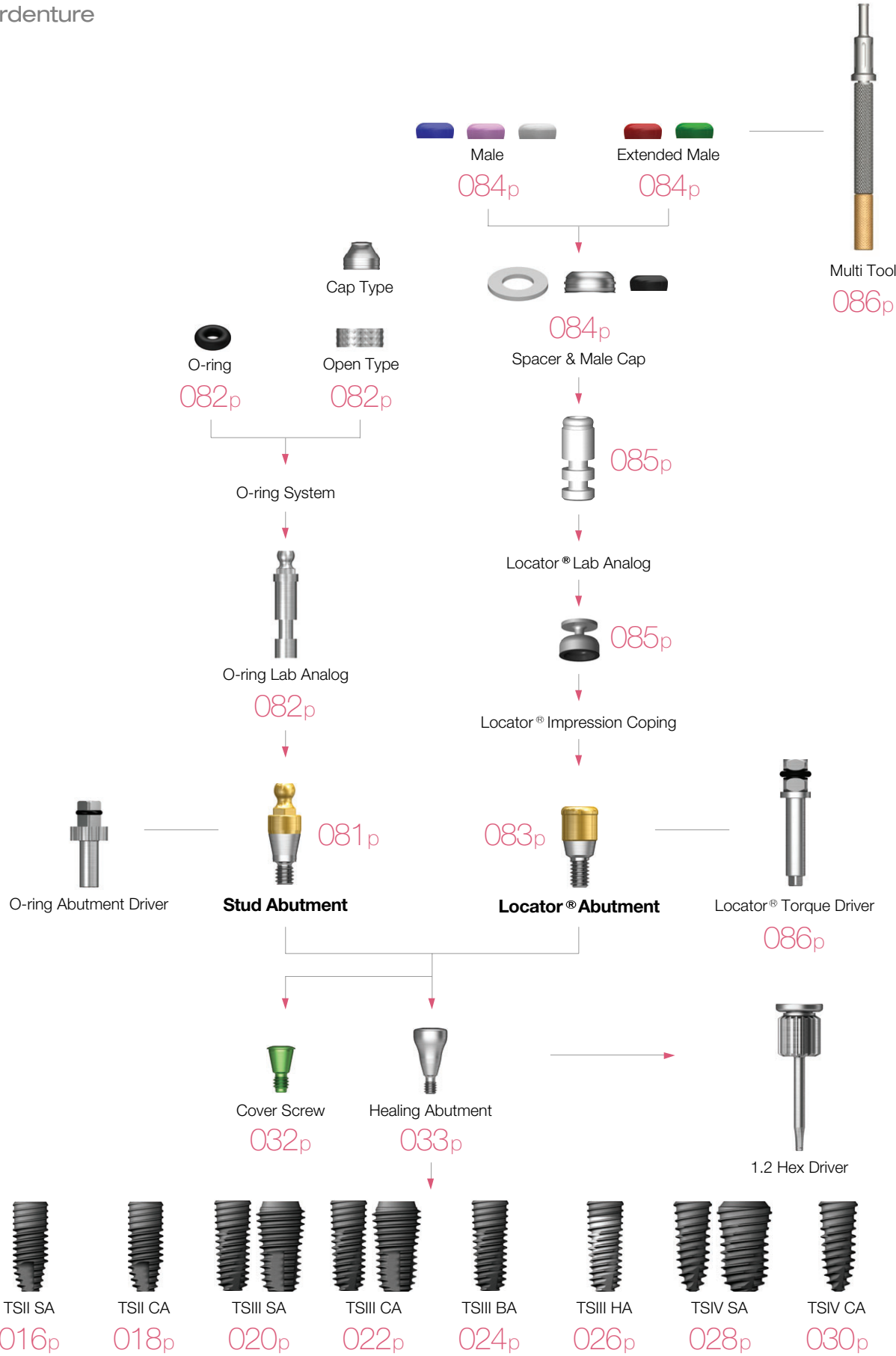
	D			
ø 4.0 / ø 4.0		GSCPC400 (Hex)	-	-
ø 5.0		-	GSCPC500 (Octa)	-
ø 6.0		-	-	GSCPC600 (Octa)



PROSTHETIC FLOW DIAGRAM 6

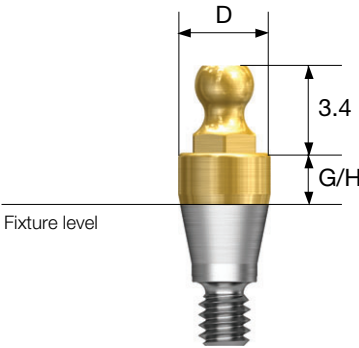
Stud / Locator®

Overdenture



Stud Abutment

- Retains overdenture with o-ring system
- Angle compensation up to 20°
- Torque using outer driver (code: AORD)
- Recommended tightening torque: 30Ncm (mini/regular)



D Ø3.5

M

G/H	1.0	2.0	3.0	4.0	5.0	6.0
	GSSAM3510	GSSAM3520	GSSAM3530	GSSAM3540	GSSAM3550	GSSAM3560

D Ø3.5

R

G/H	1.0	2.0	3.0	4.0	5.0	6.0
	GSSA3510	GSSA3520	GSSA3530	GSSA3540	GSSA3550	GSSA3560

Stud Abutment Components

O-ring Retainer Cap Set

- O-ring housing
- Place appropriate o-ring in the metal housing before connecting to the abutment
- Packing unit : retainer cap + o-ring



O-ring Retainer Set

- Used when vertical dimension is shorter than the retainer cap
- Packing unit : retainer cap + o-ring



O-ring Set

- O-ring set
- Packing unit : o-ring x 5ea



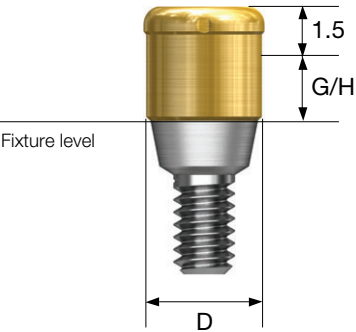
O-ring Lab Analog

- A lab analog
- Packing unit : o-ring x 5ea



Locator® Abutment

- Genuine Zest Anchors abutment
- Angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Torque using a dedicated outer driver (code: TWLDLK/TWLDLSK)
- Recommended tightening torque: 30Ncm



D Ø3.7

M

G/H	1.0	2.0	3.0	4.0	5.0
	HGLCA3510M	HGLCA3520M	HGLCA3530M	HGLCA3540M	HGLCA3550M

D Ø3.7

R

G/H	1.0	2.0	3.0	4.0	5.0
	HGLCA4010S	HGLCA4020S	HGLCA4030S	HGLCA4040S	HGLCA4050S

Locator® Abutment Components

Locator® Male Processing Kit

- Components
 - Block out spacer / denture cap connected black processing male
 - Replacement male blue/pink/clear
- A full range of retentive males are included with each denture cap to allow personalized retention for each specific patient
- LOCATOR Core Tool places and removes nylon retentive males
- Packing unit: 2 sets



Locator® Replacement Male

- Retention force: approx. 6N
- Angle compensation up to 20°
- Packing unit : 4ea



LRM06S

- Retention force: approx. 12N
- Angle compensation up to 20°
- Packing unit : 4ea



LRM12S

- Retention force: approx. 22N
- Angle compensation up to 20°
- Packing unit : 4ea



LRM22S

Locator® Extended Replacement Male

- Retention force: approx. 6N
- Angle compensation up to 20° to 40°
- Packing unit : 4ea



LEM06S

- Retention force: approx. 12N
- Angle compensation up to 20° to 40°
- Packing unit : 4ea



LEM12S

Locator® Black Processing Male

- A nylon male used in prosthesis fabrication process
- Packing unit : 4ea



LBPS

Locator® Block Out Spacers

- Place block-out spacers on the heads of the LOCATOR® abutments. Position denture cap with integrated black processing onto the LOCATOR® abutments. If necessary add additional block-out spacers until no gap is visible between female, block-out spacer and gum.
- Packing unit : 20ea



LBSS

Locator® Impression Coping

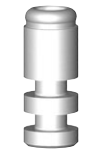
- A pick up impression coping
- Closed tray
- Packing unit : 4ea



LICS

Locator® Lab Analog

- A lab analog
- Packing unit : 4ea



LAL40S

Locator® Abutment Components

Locator® Core Tool

- Places and removes nylon retentive males in the denture cap
- Separates into three different tools, includes a hand driver for locator abutment



LCCT

Locator® Torque Driver

- A torque driver

Type	Short	Long
------	-------	------



TWLDSK

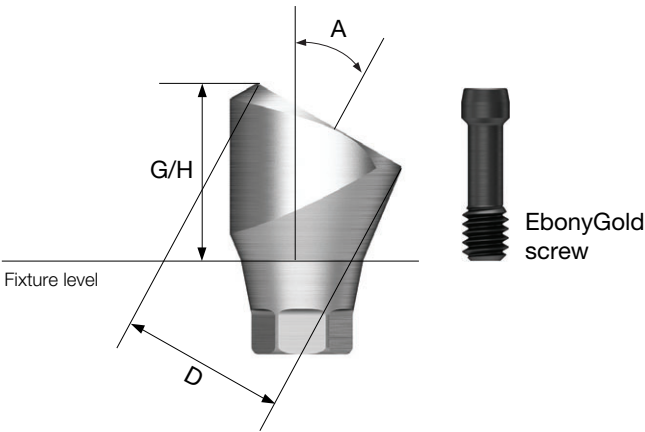


TWLDLK

Port Angled Abutment

- Abutment level impression
- Angle compensation up to 60°
- Use a 1.2 hex driver
- Recommended tightening torque: 20Ncm (mini), 30Ncm (regular)
- Packing unit : abutment + EbonyGold screw

Abutment + EbonyGold screw order code
: product code + **WH** (ex : TS30PA455R**WH**)



D Ø4.6



EbonyGold screw
: GSMABSM

Angle \ G/H	4.0	5.0
17°	 TS17PM454M	 TS17PM455M

Angle \ G/H	4.0	5.0
30°	 TS30PM454M	 TS30PM455M

D Ø4.6



EbonyGold screw
: GSMABSS

Angle \ G/H	4.0	5.0
17°	 TS17PA454R	 TS17PA455R

Angle \ G/H	4.0	5.0
30°	 TS30PA454R	 TS30PA455R

Port Angled Abutment Components

Port Angled Abutment Head

- Torque using a locator torque driver
- Recommended tightening torque: 20Ncm
- Packing unit : abutment head + carrier



PTAAH450P

OSSTEM[®]
IMPLANT

Osstem Implant Key References

Clinic

No.	Title	Reference / Author
1	Retrospective clinical study of new tapered design implants in maxillary posterior areas	Oral Biology Research. 2013; 37(2):105-111 / Young-Kyun Kim et al.
2	A randomized controlled clinical trial of two types of tapered implants on immediate loading in the posterior maxilla and mandible	Int J Oral Maxillofac Implants. 2013 Nov-Dec;28(6):1602-11 (IF 1.908) / Young-Kyun Kim et al.
3	Bony window repositioning without using a barrier membrane in the lateral approach for maxillary sinus bone grafts: clinical and radiologic results at 6 months.	Int J Oral Maxillofac Implants. 2012 27:211-217 / Chang-Joo Park et al.
4	A relaxed implant bed: implants placed after two weeks of osteotomy with immediate loading: a one year clinical trial.	J Oral Implantol. 2012 Apr;38(2):155-64 / Bansal J et al.
5	A multicenter prospective study in type IV bone of a single type of implant	Implant Dent. 2012 Aug;21(4):330-34 / Su-Gwan Kim et al.
6	Comparison of clinical outcomes of sinus bone graft with simultaneous implant placement: 4-month and 6-month final prosthetic loading	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011 Feb;111(2):164-9 / Young-Kyun Kim et al.
7	Prospective study of tapered resorbable blasting media surface implant stability in the maxillary posterior area	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2012 Feb 28. [Epub ahead of print] / Young-Kyun Kim et al.
8	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 / Byung-Ho Choi et al.
9	Evaluation of peri-implant tissue in nonsubmerged dentalImplants: a multicenter retrospective study	Clin Implant Dent Relat Res. 2011 Dec;13(4):324-9 / Young-Kyun Kim et al.
10	A relaxed implant bed: implants placed after two weeks of osteotomy with immediate loading: a one year clinical trial	J Oral Implantol. 2012 Apr;38(2):155-64 / Bansal J et al.
11	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.
12	A short-term clinical study of marginal bone level change around microthreaded and platform-switched implants	J Periodontal Implant Sci. 2011;41:211-217 / Kyoo-Sung Cho et al.
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17	Evaluation of peri-implant 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.
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19	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 / Sok-Min Ko et al.

Biology

No.	Title	Reference / Author
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2	Experimental study about the bony healing of hydroxyapatite coating implants	J Kor Oral Maxillofac Surg. 2011;27(4):295-300 / Young-Kyun Kim et al.
3	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.
4	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.
5	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.
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8	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.
9	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.

10	Histologic and histomorphometric evaluation of early and immediately loaded implants in the dog mandible	J Biomed Mater Res A. 2008;86:1122-7 / Su-Gwan Kim et al.
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12	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.

Biomechanics

No.	Title	Reference / Author
1	Evaluation of the correlation between insertion torque and primary stabilityof dental implants using a block bone test	J Periodontal Implant Sci. 2013;43:41-46 / Ki-Tae Koo et al.
2	Self-cutting blades and their influence on primary stability of tapered dental implants in a simulated low-density bone model: a laboratory study	Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011;112:573-580 / Young-Jun Lim et al.
3	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.
4	Effect of impression coping and implant angulation on the accuracy of implant impressions: an in vitro study	J Adv Prosthodont. 2010;2(4):128-33 / Seung-Geun Ahn et al.
5	Influence of implant diameter and length changes on initial stability	J Kor Acad Prosthodont. 2009;47:335-41 / Chang-Mo Jeong et al.
6	Mechanical strength of zirconia abutment in implant restoration	J KASFO. 2009;25(4):349-60 / Young-Chan Jeon et al.
7	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.
8	Fatigue fracture of different dental Implant system under cyclic loading	J Kor Acad Prosthodont. 2009;47(4):424-34 / In-Ho Cho et al.
9	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.
10	The effect of various thread designs on the initial stability of taper implants	J Adv. Prosthodont. 2009;1:19-25 / Young-Jun Lim et al.
11	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.

User Manual 2013.02 ver.4.0 “Disposable, re-use prohibited, medical appliance”

Osstem Implant product information

Osstem Implant's dental fixtures and products are manufactured using medical grade Titanium. Osstem Implant's abutments, denture material and surgical tools are only compatible with Osstem fixtures. For more details about any individual product, please refer to the user manual or catalog, or visit our company website (www.osstem.com). Please check all product labels for product codes, specifications, date of manufacture and expiration date.

Sterility

Fixtures, cover screws and healing abutments are cleansed and gamma-sterilized. These products are disposable sterile medical appliances, and must be used in a sterile field. If the package is damaged or has expired, it must not be used. If the product package has been opened but not used, there is a risk of contamination and it is not recommended that the product resterilized and therefore should be discarded.

Storage conditions

Store all products in a dry place at room temperature (30oC). Avoid direct sunlight.

General precautions

Dental implant surgery requires proper and formal training and education.

Cautions before dental surgery

Before dental implant surgery, a thorough patient health history review, and oral radiographic examinations must be completed to determine bone quality and proper treatment planning.

Cautions during dental implant surgery

Osstem Implant Systems are for single or two stage dental implant procedures. In order to minimize damage to the patient's tissue, special attention to temperature, surgical lesions and eliminating all sources of contamination and infection are needed. Any deviation from the standard surgical protocol increases the risk of failure. When inserting the dental implant, sufficient cooling must be introduced (water or saline) and excessive torque (greater than 55Ncm) can result in dental implant fracture or possibly bone necrosis. Placing dental implants greater than 300 has a very high risk of implant fracture. Direct pressure to the fixture should be avoided right after surgery. Immediate or delayed loading of the fixture must be determined after proper examination of the patient's bone condition and initial stability after placement.

"Mini" implants or implants with a diameter less than 4.0mm are not recommended for the posterior region.

Ultra-wide dental implants are recommended for the posterior region but should not be used with angled abutments. If considering an Ultra-wide dental implant, proper radiographic evaluation must be made to determine the bone mass and potential anatomical restrictions. Short dental implants (diameter greater than 5mm and shorter than 7mm) are only used for the posterior region. The clinician must

thoroughly evaluate the patient's condition and recognized the following issues: 1) bone loss due to peri-implantitis, 2) changes to the dental implant condition, 3) proper osseointegration determined by a x-ray examination. If there is movement or if there is bone loss more than 50%, removing the dental implant should be a course of action. Wide diameter implants should be performed as a two stage surgery. Sufficient healing time must be given before splinting with other implants or when loading. Immediate loading is not recommended.

Take care when placing dental implants with HA coating. The coating is prone to cracking or fracturing under high torque, therefore hard bone should be avoided and be inserted under 35Ncm of force.

CA and SOSI treated dental implants are encased in a solution to prevent the chemically treated surface from reacting with air. After removing the CA or SOSI dental implant, place the implant within 15 minutes to avoid degradation of the surface.

Warning

Improper patient selection and treatment planning may result in dental implant failure or loss of bone. Osstem Implants must not be used for purpose other than prescribed and must not be altered in any shape or form. Implant movement, bone loss, and chronic infections can result in implant failure.

Indications

Osstem Implant Systems are designed to replace a patient's tooth or teeth. They can be placed in both the maxillary and submaxillary alveolar bones and after full osseointegration can be restored prosthetically. Osstem Implant Systems offer both temporary and final prosthesis and can be retained by cement, screw, overdenture or fixed bridge.

Side effects

There are possible side effects after implant surgery (lost of implant stability, damage to dentures). These issues can be caused by the lack of bone or poor bone quality, an infection, patient's poor oral hygiene, non compliance with post op procedures, movement of the implant, degradation of surrounding tissue, or improper placement of the dental implant.

Contraindications

- Patients with the following contraindications are not eligible for dental implants:
- Patients with blood clotting issues or issues with wound healing.
 - Diabetic patients
 - Patients that smoke or drink excessively
 - Patient's with compromised immune systems due disease or chemo and radiation therapy.
 - Patients with an oral infection or inflammation (improper oral hygiene or teeth grinding)
 - Patients with an incurable malocclusion/arthropathia and insufficient arch space.

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Storage condition
Dry place at room temperature

Rx only

For USA only : Federal law restricts this device to sale by or on the order of a dentist



0434



Sterilized using irradiation



Use by



Manufacture



Do not reuse



Date of manufacture



Keep away from sunlight



Catalogue number



Non-Sterile



Keep dry



Batch code



Do not resterilize



Caution, Consult accompanying documents

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