



TS SYSTEM

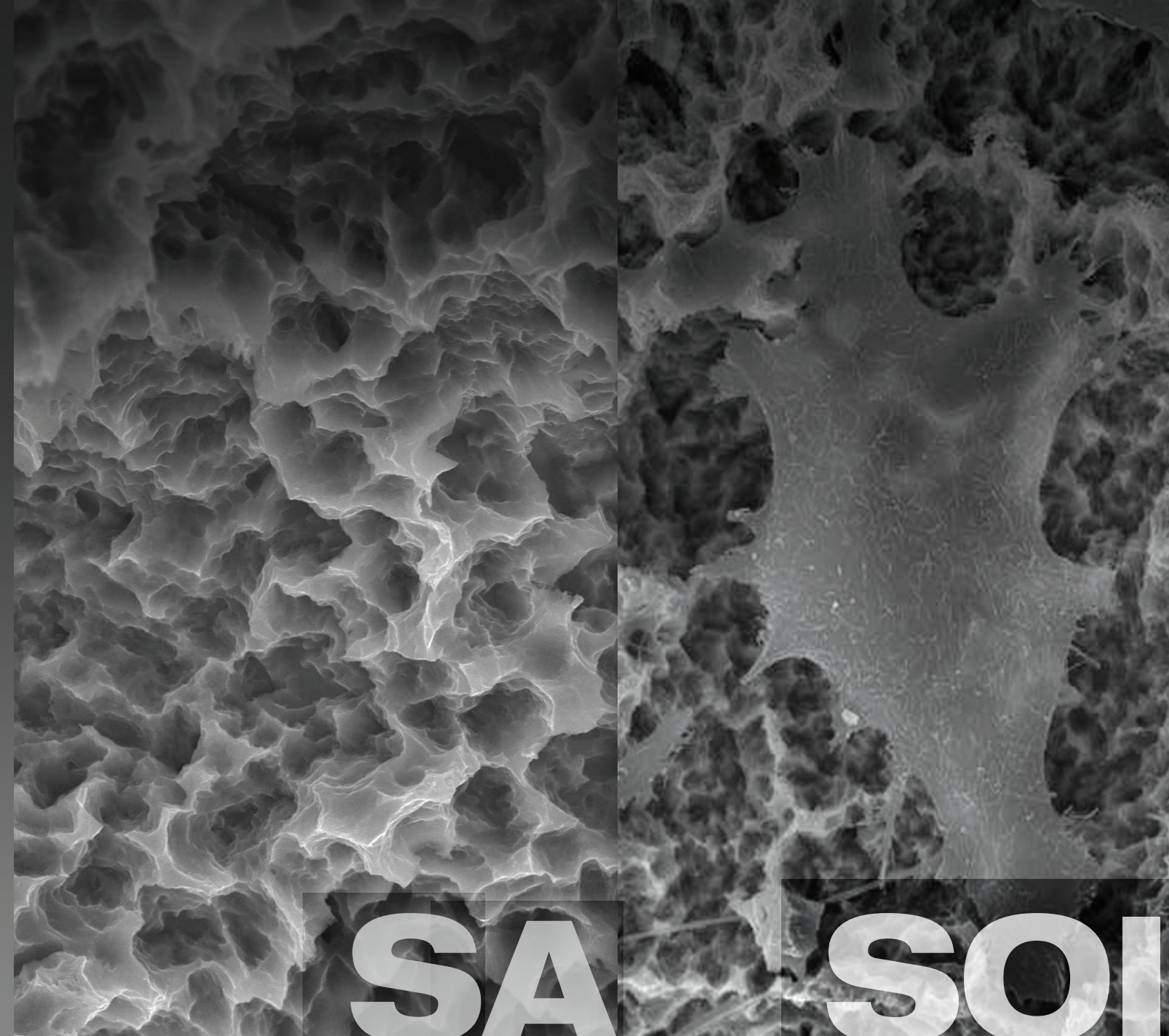
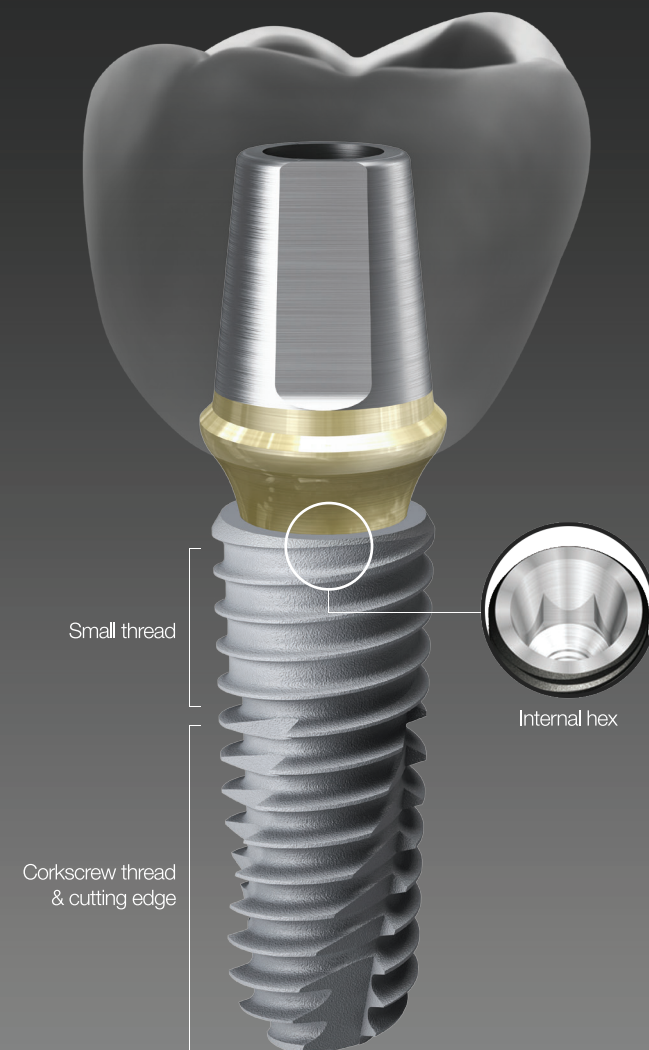
IMPLANT

- 012** TSII SA Implant
- 014** TSIII SA Implant
- 016** TSIII SOI Implant
- 018** TSIV SA Implant
- 020** Simple Mount
- 021** Cover Screw
- 022** Healing Abutment
- 023** Custom Healing Abutment

COMPONENTS

- 024** PROSTHETIC FLOW DIAGRAM 1
- 025** Rigid Abutment
- 030** Transfer Abutment
- 040** PROSTHETIC FLOW DIAGRAM 2
- 041** Angled / FreeForm ST Abutment
- 045** GoldCast / NP-Cast Abutment
- 048** PROSTHETIC FLOW DIAGRAM 3
- 049** Quick Temporary Abutment
- 051** Temporary Abutment
- 052** PROSTHETIC FLOW DIAGRAM 4
- 053** Multi Abutment
- 060** Multi Angled Abutment
- 062** PROSTHETIC FLOW DIAGRAM 5
- 063** Convertible Abutment
- 070** PROSTHETIC FLOW DIAGRAM 6
- 071** Port (Angled) Abutment
- 078** Locator® Abutment
- 082** Stud Abutment
- 084** OneSeal / TS Abutment Selector

TS Design & Surface Feature



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

- Connection - Mini / Regular
- Effect of improved initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for ease of placement path adjustment
 - Enhanced initial stability in soft bone and application of consistent placement torque according to the drill diameter
- Various body shape options available to match the patient's bone quality and clinical condition
 - TSII (straight body) : Easy to adjust placement depth
 - TSIII (1.5° tapered body) Excellent initial stability needed for immediate loading even in soft bone
 - TSIV (6° tapered body) Specifically designed for use in maxillary sinus and soft bone, providing excellent initial stability
- Applicable surface types - SA / SOI

Optimized surface morphology through acid-etching treatment

- Surface roughness: Ra 2.0-3.0 μ m (Note: the roughness in the upper 0.5mm part is Ra 0.5-0.6 μ m)
- Uniform surface micro-pits of 1-3 μ m
- Surface area increased by 46% compared to resorbable blast media (RBM) treated implants

In-vitro and In-vivo Bone Response

- Osteoblast differentiation and ossification improved by 20% compared to RBM-treated implants
- Initial bone response in a large animal model (mini-pig)
 - Initial stability (removal torque (RT), 4 weeks) improved by 48% compared to RBM-treated implants
 - Ossification (bone implant contact (BIC), 4 weeks) improved by 20% compared to RBM-treated implants

Next-generation surface with hemostatic effect and pH control feature

- Activation of blood clot formation
- Prevention of carbon adsorption in air
- The same surface roughness (Ra 2.0-3.0 μ m) as SA surfaces
- Superior blood wettability with super-hydrophilic surface

In-vitro and In-vivo Bone Response

- Protein and cellular adhesion increased by 130 times compared to SA surfaces
- Initial stability (RT, 4 weeks) improved by 57% compared to SA surfaces
- Surface with the shortest duration of treatment



TS packaging color information

TSII SA Implant

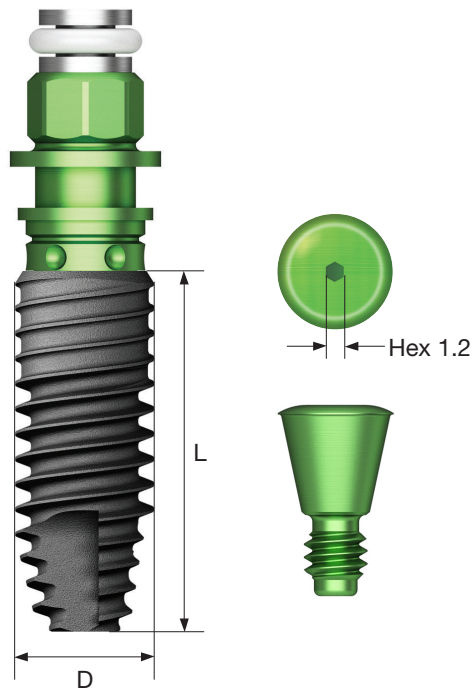
- Submerged type implant with an internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Straight body design for easy adjustment of placement depth
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Recommended placement torque: ≤ 40Ncm
- ※ Implants with a diameter of 4.5mm or greater are recommended for the posterior region with a single case

NoMount implant order code

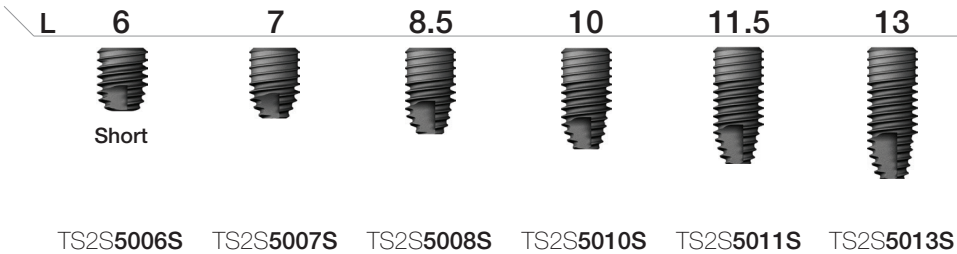
: implant product code (ex : TS2S4010S)

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

: B + implant product code (ex : BTS2S4010S)

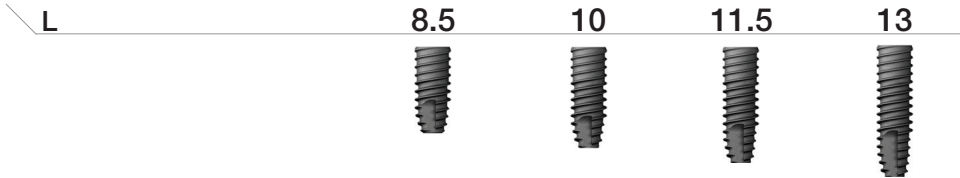


D Ø5.0
Hex 2.5
R



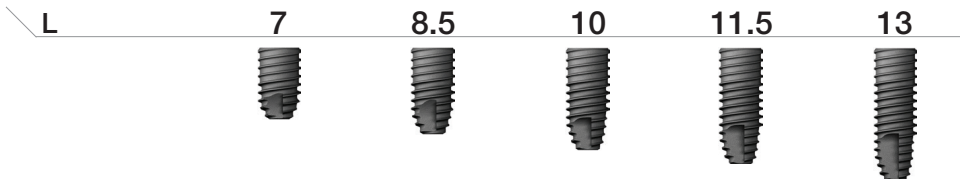
TS2S5006S TS2S5007S TS2S5008S TS2S5010S TS2S5011S TS2S5013S

D Ø3.5
Hex 2.1
M



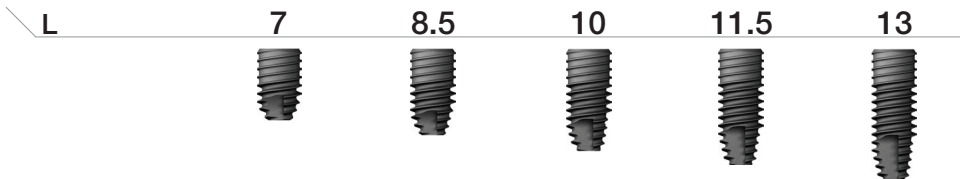
TS2M3508S TS2M3510S TS2M3511S TS2M3513S

D Ø4.0
Hex 2.5
R



TS2S4007S TS2S4008S TS2S4010S TS2S4011S TS2S4013S

D Ø4.5
Hex 2.5
R



TS2S4507S TS2S4508S TS2S4510S TS2S4511S TS2S4513S

Nominal diameter may differ from the actual diameter of the product
Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis

TSIII SA Implant

- Submerged type implant with an internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Tapered body design for excellent initial stability
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Ensuring excellent initial stability needed for immediate loading even in soft bone

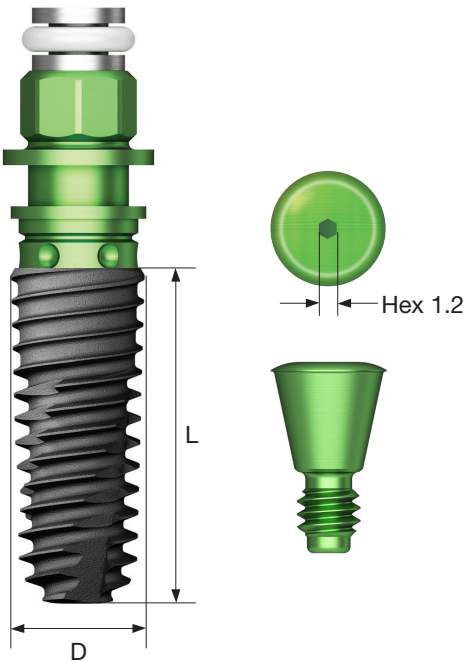
Narrow

- Used in tight spaces (narrow ridge)
- Easy angle compensation in anterior region
- Compatible with existing mini abutment (not compatible with cover screws, mounts or lab analogs)

Ultra-wide

- Useful for placement in a fresh extraction socket in the posterior region, immediate placement case or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque: ≤ 40Ncm

※ Implants with a diameter of 4.5mm or greater are recommended for the posterior region with a single case



NoMount implant order code

: implant product code (ex : TS3S4010S)

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

: B + implant 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

Nominal diameter may differ from the actual diameter of the product
Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis

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

TSIII SOI Implant

- Submerged type implant with an internal hex 11° tapered connection structure
- Super hydrophilic SA surface with superior blood wettability, coated with K substance (HEPES)
- Super hydrophilic surface inducing fast blood clot formation
- Tapered body design for excellent initial stability
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Ensuring excellent initial stability needed for immediate loading even in soft bone

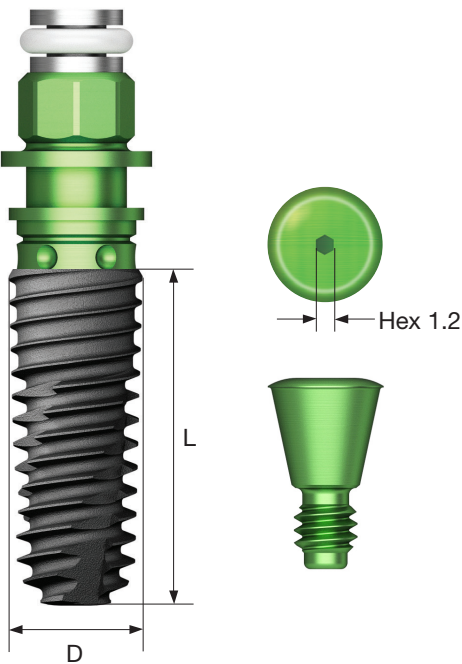
Narrow

- Used in tight spaces (narrow ridge)
- Easy angle compensation in anterior region
- Compatible with existing mini abutment (not compatible with cover screws, mounts or lab analogs)

Ultra-wide

- Useful for placement in a fresh extraction socket in the posterior region, immediate placement case or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque: ≤ 40Ncm

※ Implants with a diameter of 4.5mm or greater are recommended for the posterior region with a single case



NoMount implant order code

: implant product code (ex : TS3S4010A)

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

: B + implant product code (ex : BTS3S4010A)

2019.01

D Ø3.0
Hex 2.1
Narrow



L	8.5	10	11.5	13
	TS3M3008A	TS3M3010A	TS3M3011A	TS3M3013A

D Ø3.5
Hex 2.1



L	8.5	10	11.5	13
	TS3M3508A	TS3M3510A	TS3M3511A	TS3M3513A

Nominal diameter may differ from the actual diameter of the product
Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis

D Ø4.0
Hex 2.5



L	7	7	8.5	10	11.5	13
	TS3S4006A	TS3S4007A	TS3S4008A	TS3S4010A	TS3S4011A	TS3S4013A

D Ø4.5
Hex 2.5



L	7	7	8.5	10	11.5	13
	TS3S4506A	TS3S4507A	TS3S4508A	TS3S4510A	TS3S4511A	TS3S4513A

D Ø5.0
Hex 2.5



L	6	6	6	7	8.5	10	11.5	13
	TS3S5004A	TS3S5005A	TS3S5006A	TS3S5007A	TS3S5008A	TS3S5010A	TS3S5011A	TS3S5013A

D Ø5.5
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S5506A	TS3S5507A	TS3S5508A	TS3S5510A	TS3S5511A	TS3S5513A

Ultra-Wide

D Ø6.0
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S6006A	TS3S6007A	TS3S6008A	TS3S6010A	TS3S6011A	TS3S6013A

D Ø7.0
Hex 2.5



L	6	7	8.5	10	11.5	13
	TS3S7006A	TS3S7007A	TS3S7008A	TS3S7010A	TS3S7011A	TS3S7013A

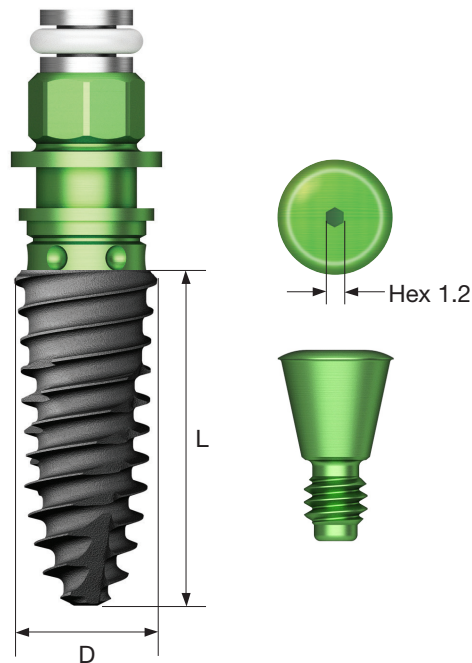
TSIV SA Implant

- Submerged type implant with an internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Implant for maxillary sinus and soft bone
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Sharp apex design allowing placement even after D4 bone Ø2.0/3.0mm drilling

Ultra-wide

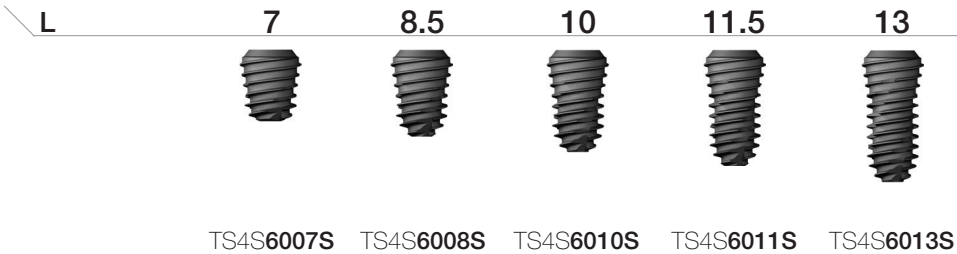
- Useful for placement in a fresh extraction socket in the posterior region, immediate placement case or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque: ≤ 40Ncm
- ※ Implants with a diameter of 4.5mm or greater are recommended for the posterior region with a single case
- ※ For TSIV implant, considering the fast placement speed because of the large thread pitch, reducing the drilling speed to 15rpm or lower is recommended for placement.

NoMount implant order code
: implant product code (ex : TS4S4010S)
Pre-Mounted implant (implant + mount + cover screw) order code
: B + implant product code (ex : BTS4S4010S)

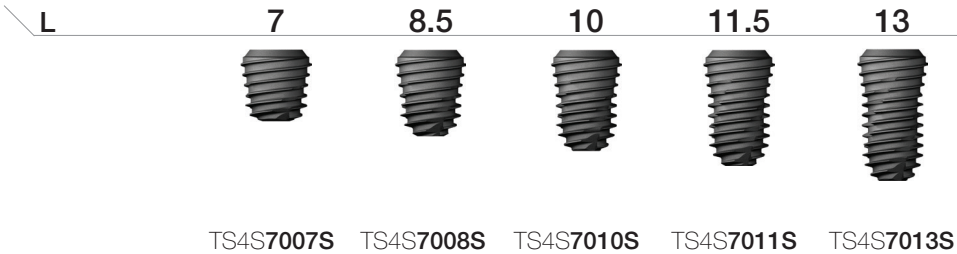


Ultra-wide

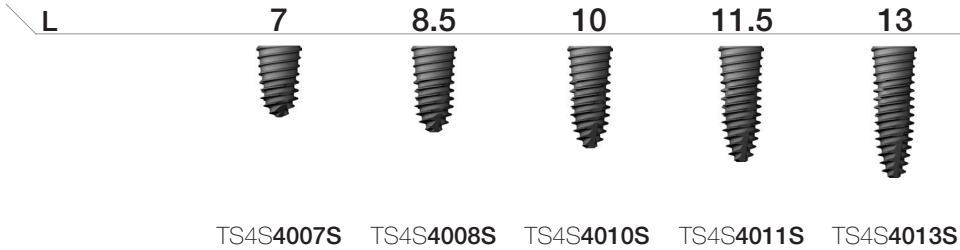
D Ø6.0
Hex 2.5
R



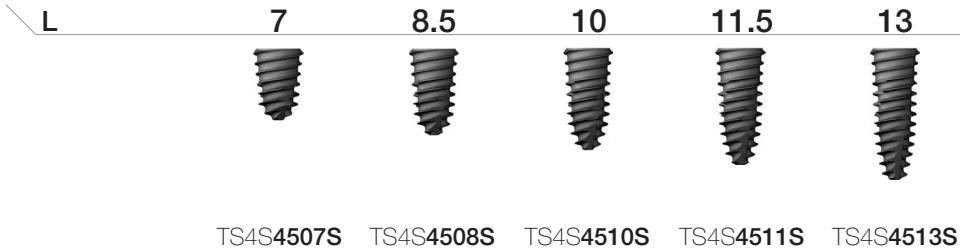
D Ø7.0
Hex 2.5
R



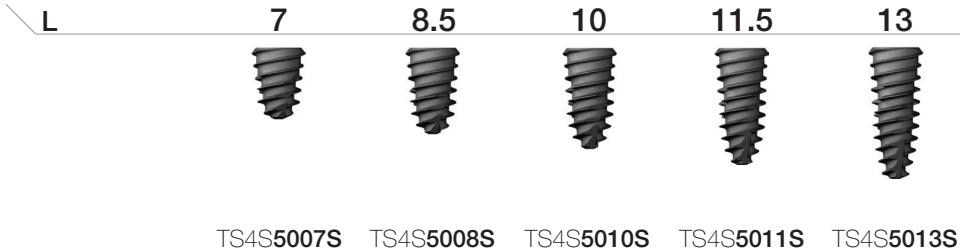
D Ø4.0 Pitch 0.8
Hex 2.5
R



D Ø4.5 Pitch 1.0
Hex 2.5
R



D Ø5.0 Pitch 1.2
Hex 2.5
R



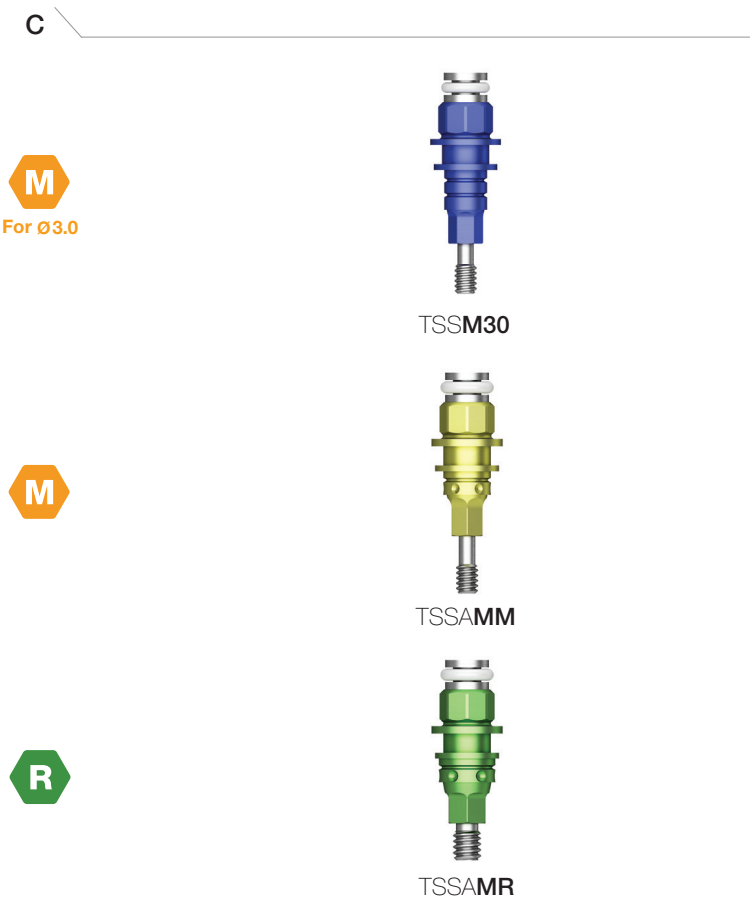
Nominal diameter may differ from the actual diameter of the product

Mount & Screw

Simple Mount

- Hex driver : 1.2
- Recommended tightening torque: 8~10 Ncm
- Packing unit : mount + mount screw
- ※ Disposable, Do not reuse
- C = Connection

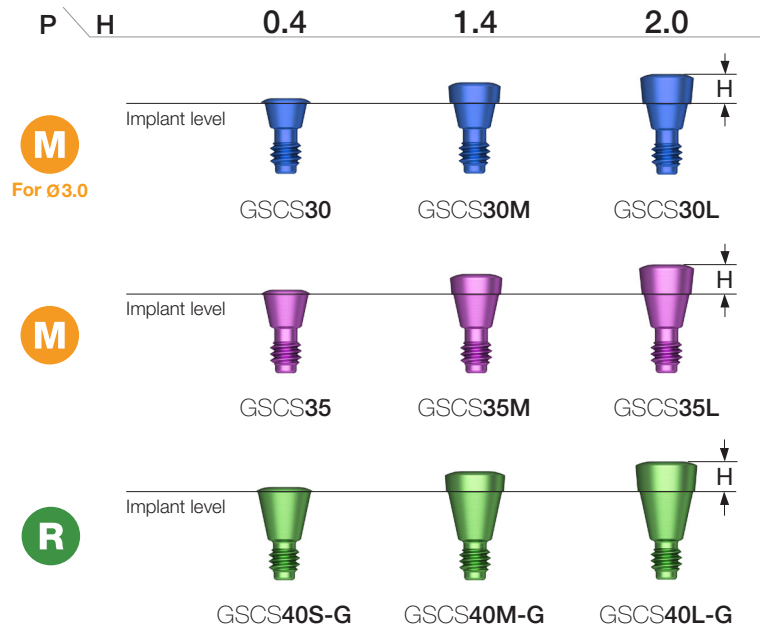
M Mini
R Regular



Cover Screw

- Height (H) selected according to the implant placement depth
- A dedicated cover screw should be used for Ø3.0 implant
- Hand tightened with a 1.2 hex driver
- P = Platform

M Mini
R Regular



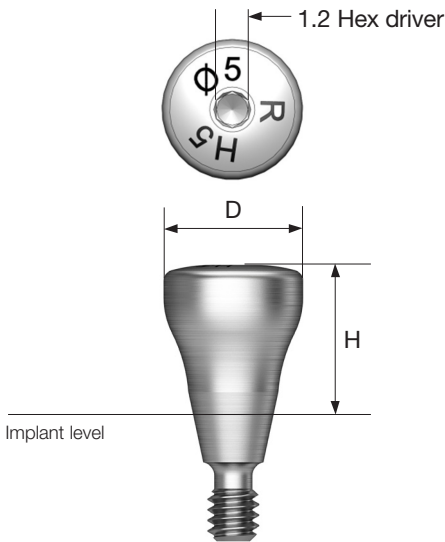
Healing Abutment

- Mini (yellow) type used for implants of Ø3.5 or smaller
- Hand tightened with a 1.2 hex driver

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 and above
Impression coping	Type	Short	Short	Long	Long

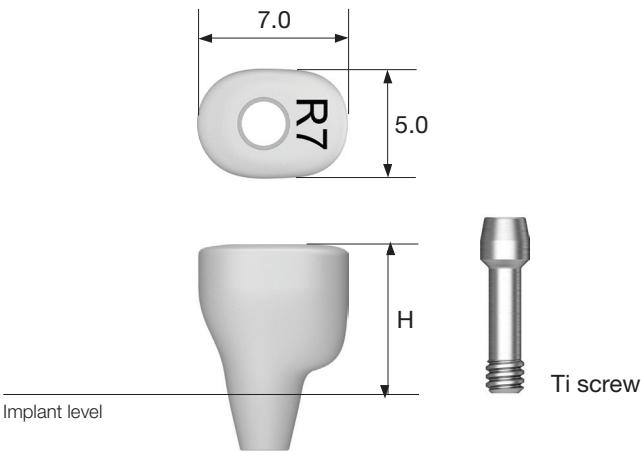


Custom Healing Abutment

- Used when healing abutment in the shape of a tooth is required
- Used by removing or with resin attached
- Material: medical PEEK
- A dedicated titanium screw is used
- Hand tightened with a 1.2 hex driver
- Packing unit : abutment + Ti screw
- P = Platform

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

M Mini
R Regular



D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø4.0	TSHA403M	TSHA404M	TSHA405M	TSHA406M	TSHA407M	TSHA409M
Ø4.5	TSHA453M	TSHA454M	TSHA455M	TSHA456M	TSHA457M	TSHA459M
D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø4.0	TSHA403R	TSHA404R	TSHA405R	TSHA406R	TSHA407R	TSHA409R
Ø4.5	TSHA453R	TSHA454R	TSHA455R	TSHA456R	TSHA457R	TSHA459R
Ø5.0	TSHA503R	TSHA504R	TSHA505R	TSHA506R	TSHA507R	TSHA509R
Ø6.0	TSHA603R	TSHA604R	TSHA605R	TSHA606R	TSHA607R	TSHA609R
Ø7.0	TSHA703R	TSHA704R	TSHA705R	TSHA706R	TSHA707R	TSHA709R
Ø8.0	-	-	TSHA805R	-	-	-

P \ H	5.0	7.0	9.0
M Ti screw : GSCHABSMT	TSCHAPM5	TSCHAPM7	TSCHAPM9
R Ti screw : GSCHABSST	TSCHAPR5	TSCHAPR7	TSCHAPR9

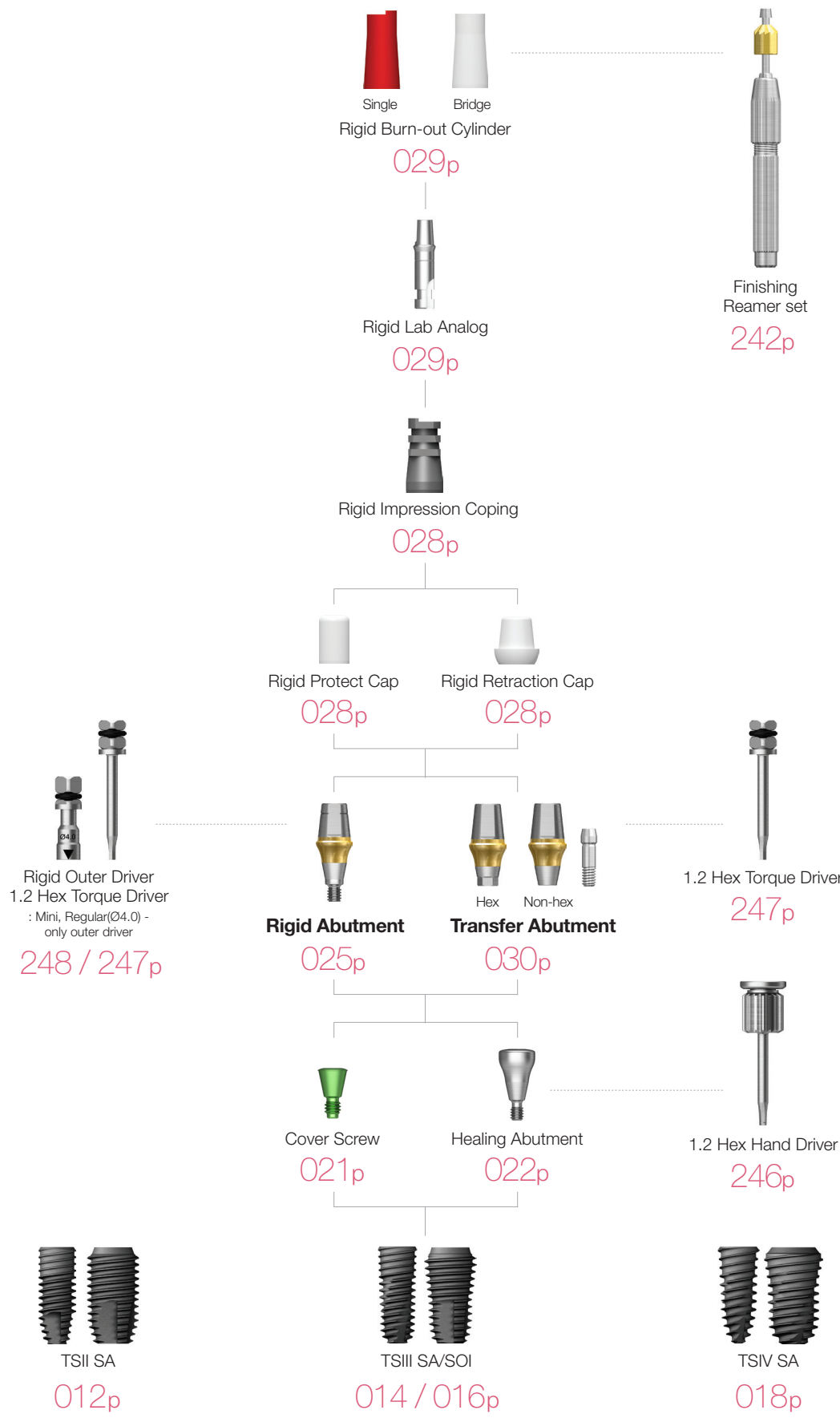
PROSTHETIC FLOW DIAGRAM 1

Rigid / Transfer

Abutment Level Impression

TS SYSTEM

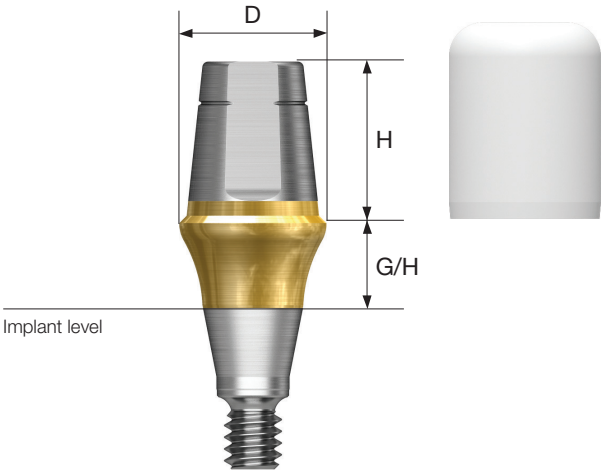
024



Rigid Abutment

- Abutment for producing cement-retained prosthesis
- Abutment level impression
- Ø4.0 : tightened with an outer driver (code : ORDML / ORDMS)
- Ø4.5/5.0/6.0 : tightened with an outer driver or a 1.2 hex driver
- Ø7.0 : tightened with a 1.2 hex driver
- Recommended tightening torque: 30Ncm
- Packing unit : abutment + protect cap

Abutment + protect cap order code
: product code + **P** (ex : GSRA5620**P**)



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

TS SYSTEM

025

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

- Used for Rigid Abutment protection and reducing patient discomfort
- Used as a temporary crown base
- Used for transfer abutment (except Ø4.0)

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

- Replacement of resin cap prior to fabrication of wax-up using Rigid Abutment
- Enabling the fabrication of elaborate prosthesis with uniform interior
- Used after removing the tightening connection of the lower margin after casting

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 by pushing away the surrounding gingiva when taking a direct impression of Rigid Abutment
- Used as a temporary crown base
- Used for transfer abutment (except Ø4.0)

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

- Rigid abutment reproduction on model after impression taking
- Used by connecting 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

- Components for Rigid Abutment impression
- Enabling the fabrication of elaborate prosthesis using lab analog
- Used by selecting the color matching the abutment height
- Used for transfer abutment (except Ø4.0)

M Mini
R Regular

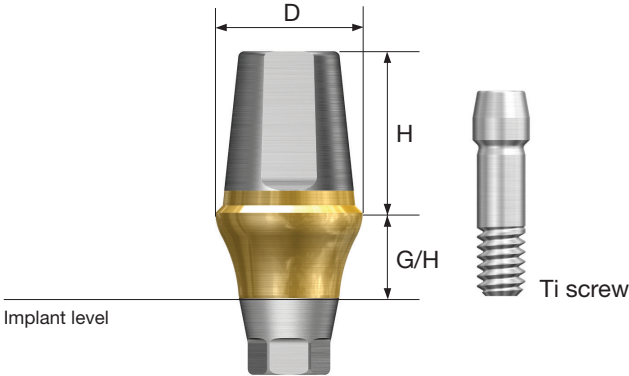
D \ H	4.0	5.5	7.0
Ø 4.0 / Ø 4.0			
Ø 4.5 / Ø 4.5	GSRIC440S	GSRIC460S	GSRIC470S
Ø 5.0	GSRIC441S	GSRIC461S	GSRIC471S
Ø 6.0	GSRIC540S	GSRIC560S	GSRIC570S
Ø 7.0	GSRIC640S	GSRIC660S	GSRIC670S
	-	GSRIC760S	-

Transfer Abutment

- Abutment for producing cement-retained/combination prosthesis
- Implant level impression
- Abutment level impression possible by rigid impression coping (except Ø 4.0)
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm(mini), 30Ncm(regular)
- Packing unit : abutment + Ti screw



Abutment + Ti screw order code
: product code + TH (ex : GSTA4621TH)



D Ø4.0



Ti screw
: GSABSMIT

Abutment level
impression not
available

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					
		H \ G/H	5.0	6.0	7.0	
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					

D Ø4.5



Ti screw
: GSABSMIT

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					
		H \ G/H	5.0	6.0	7.0	
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					

D Ø4.5



Ti screw
: GSABSMIT

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					
		H \ G/H	5.0	6.0	7.0	
Hex	5.5					
	7.0					
Non-Hex	5.5					
	7.0					

Transfer Abutment

D Ø5.0



Ti screw
: GSABSMT

H \ G/H		1.0	2.0	3.0	4.0
Hex	4.0				
	5.5	GSTA5410	GSTA5420	GSTA5430	GSTA5440
	7.0	GSTA5610	GSTA5620	GSTA5630	GSTA5640
Non-Hex	4.0	GSTA5710	GSTA5720	GSTA5730	GSTA5740
	5.5	GSTA5410N	GSTA5420N	GSTA5430N	GSTA5440N
	7.0	GSTA5610N	GSTA5620N	GSTA5630N	GSTA5640N

H \ G/H		5.0	6.0	7.0
Hex	4.0			
	5.5	GSTA5450	GSTA5460	GSTA5470
	7.0	GSTA5650	GSTA5660	GSTA5670
Non-Hex	4.0	GSTA5750	GSTA5760	GSTA5770
	5.5	GSTA5450N	GSTA5460N	GSTA5470N
	7.0	GSTA5650N	GSTA5660N	GSTA5670N

D Ø6.0



Ti screw
: GSABSMT

H \ G/H		1.0	2.0	3.0	4.0
Hex	4.0				
	5.5	GSTA6410	GSTA6420	GSTA6430	GSTA6440
	7.0	GSTA6610	GSTA6620	GSTA6630	GSTA6640
Non-Hex	4.0	GSTA6710	GSTA6720	GSTA6730	GSTA6740
	5.5	GSTA6410N	GSTA6420N	GSTA6430N	GSTA6440N
	7.0	GSTA6610N	GSTA6620N	GSTA6630N	GSTA6640N

D Ø6.0



Ti screw
: GSABSMT

H \ G/H		5.0	6.0	7.0
Hex	4.0			
	5.5	GSTA6450	GSTA6460	GSTA6470
	7.0	GSTA6650	GSTA6660	GSTA6670
Non-Hex	4.0	GSTA6750	GSTA6760	GSTA6770
	5.5	GSTA6450N	GSTA6460N	GSTA6470N
	7.0	GSTA6650N	GSTA6660N	GSTA6670N

D Ø7.0



Ti screw
: GSABSMT

H \ G/H		1.0	2.0	3.0	4.0
Hex	4.0				
	5.5	GSTA7410	GSTA7420	GSTA7430	GSTA7440
	7.0	GSTA7610	GSTA7620	GSTA7630	GSTA7640
Non-Hex	4.0	GSTA7410N	GSTA7420N	GSTA7430N	GSTA7440N
	5.5	GSTA7610N	GSTA7620N	GSTA7630N	GSTA7640N
	7.0	GSTA7410N	GSTA7420N	GSTA7430N	GSTA7440N

H \ G/H		5.0	6.0	7.0
Hex	4.0			
	5.5	GSTA7450	GSTA7460	GSTA7470
	7.0	GSTA7650	GSTA7660	GSTA7670
Non-Hex	4.0	GSTA7450N	GSTA7460N	GSTA7470N
	5.5	GSTA7650N	GSTA7660N	GSTA7670N
	7.0	GSTA7450N	GSTA7460N	GSTA7470N

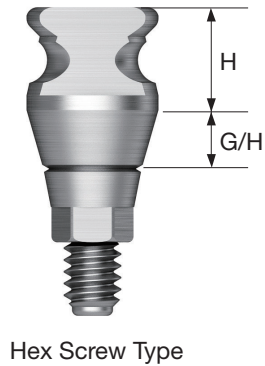
Transfer Abutment Components

Bite Impression Coping

- Components for implant level impression taking
- Bite registration and impression taking can be performed simultaneously
- The same basic usage as transfer impression coping
- Hand tightened with bite impression coping driver
- Hex screw type tightened with a 1.2 hex driver and friction screw type tightened with bite impression coping driver bite impression coping driver

M Mini (Yellow)

R Regular (Green)



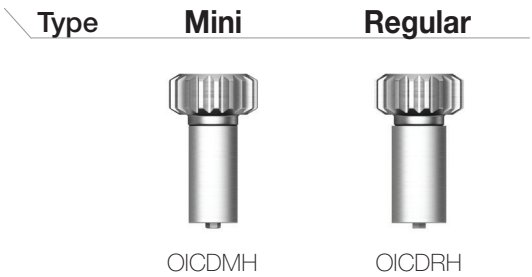
Bite Impression Coping Driver

Hex Screw Type

- Used for tightening and loosening of bite impression coping
- A driver for hex screw type

M Mini (Yellow)

R Regular (Green)



Bite Index

- Assembled to the implant for check bite impression
- Hand tightened with a 1.2 hex driver
- Packing unit : 2ea

M Mini

R Regular

D \ L	4.0	6.0	8.0	10.0	12.0
ø 4.5					
ø 5.5					

D \	H	G/H	2.0	3.0	4.0	5.0	6.0
ø 4.0	4.0		GSBICM4420H	GSBICM4430H	GSBICM4440H	GSBICM4450H	GSBICM4460H
	5.0		GSBICM4520H	GSBICM4530H	GSBICM4540H	GSBICM4550H	GSBICM4560H
	6.0		GSBICM4620H	GSBICM4630H	GSBICM4640H	GSBICM4650H	GSBICM4660H
ø 4.5	4.0		GSBICR4421H	GSBICR4431H	GSBICR4441H	GSBICR4451H	GSBICR4461H
	5.0		GSBICR4521H	GSBICR4531H	GSBICR4541H	GSBICR4551H	GSBICR4561H
	6.0		GSBICR4621H	GSBICR4631H	GSBICR4641H	GSBICR4651H	GSBICR4661H
ø 4.5	4.0		GSBICR4421H	GSBICR4431H	GSBICR4441H	GSBICR4451H	GSBICR4461H
	5.0		GSBICR4521H	GSBICR4531H	GSBICR4541H	GSBICR4551H	GSBICR4561H
	6.0		GSBICR4621H	GSBICR4631H	GSBICR4641H	GSBICR4651H	GSBICR4661H
ø 5.0	4.0		GSBICR5420H	GSBICR5430H	GSBICR5440H	GSBICR5450H	GSBICR5460H
	5.0		GSBICR5520H	GSBICR5530H	GSBICR5540H	GSBICR5550H	GSBICR5560H
	6.0		GSBICR5620H	GSBICR5630H	GSBICR5640H	GSBICR5650H	GSBICR5660H

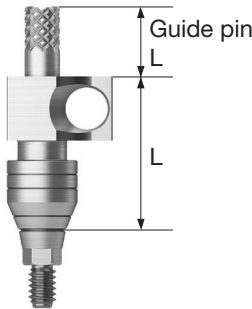
Transfer Abutment Components

Implant Pick-up Impression Coping

- Components for implant level impression taking
- Using open tray
- Unique design stably fixed within the impression body
- Hand tightened with a 1.2 hex driver
- Packing unit : impression coping body + guide pin(*)

M Mini (Yellow)

R Regular (Green)

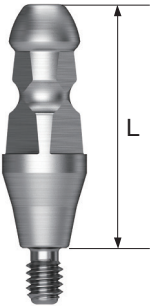


Implant Transfer Impression Coping

- Components for implant level impression taking
- Using closed tray
- Triangular arc structure for stable fastening and accurate repositioning
- Hand tightened with a 1.2 hex driver
- Packing unit
- Hex : impression coping body + guide pin
- Non-hex : impression coping

M Mini (Yellow)

R Regular (Green)



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			

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 Abutment Components

Laboratory Screw

- Lab screw : Abutment screw for lab side work
- Waxing screw : Screw with the screw hole extended upward for making screw-type prostheses and transfer jigs
- Packing unit : lab screw + waxing screw

M Mini
R Regular



OSSTEM[®]
IMPLANT

Implant Lab Analog

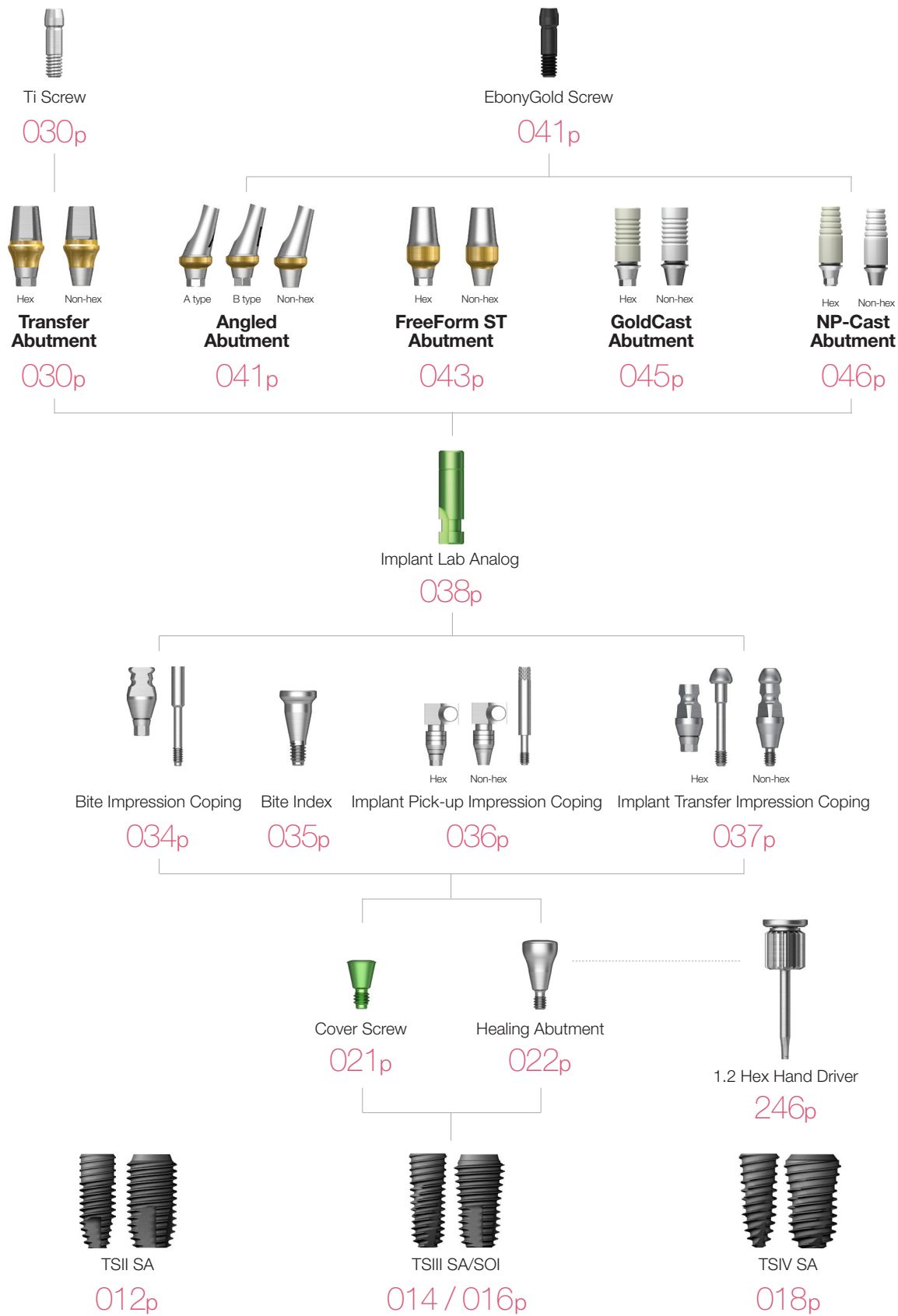
- Lab analog for implant level impression
- Selected according to the diameter of an implant:
Ø3.0/3.5/4.0 or greater

M Mini
R Regular



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

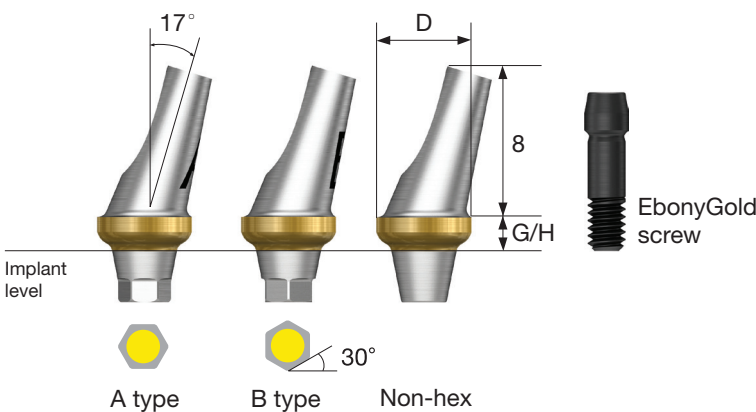
Implant Level Impression



Angled Abutment

- Abutment for producing cement-retained/ combination prosthesis
- Implant placement angle compensated up to 23° without removal
- Implant level impression
- Tightened with 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 : GSAA5020AWH)



D Ø4.0



EbonyGold screw : GSABSM

G/H Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
2.0						
4.0						
GSAA4020MA	GSAA4020MB	GSAA4020MN	GSAA4040MA	GSAA4040MB	GSAA4040MN	

D Ø4.5



EbonyGold screw : GSABSM

G/H Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
2.0						
4.0						
GSAA4520MA	GSAA4520MB	GSAA4520MN	GSAA4540MA	GSAA4540MB	GSAA4540MN	

Angled Abutment

D Ø4.5

R

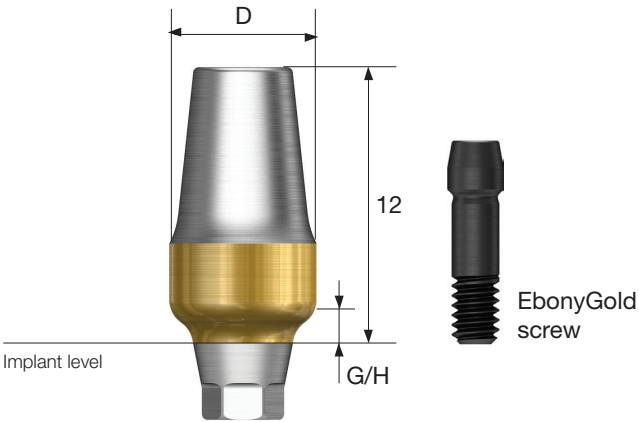
EbonyGold screw
: GSABSS

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

FreeForm ST Abutment

- Abutment for producing cement-retained/combination prosthesis
- Used for adjusting the shape of the abutment margin
- Implant level impression
- Tightened with 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 : GSFA5015WH)



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 Ø4.0

M

EbonyGold screw
: GSABSM

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

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

D Ø4.0

R

EbonyGold screw
: GSABSS

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

FreeForm ST Abutment

D Ø5.0 (Straight)



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 Ø6.0



EbonyGold screw
: GSABSS

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

D Ø7.0



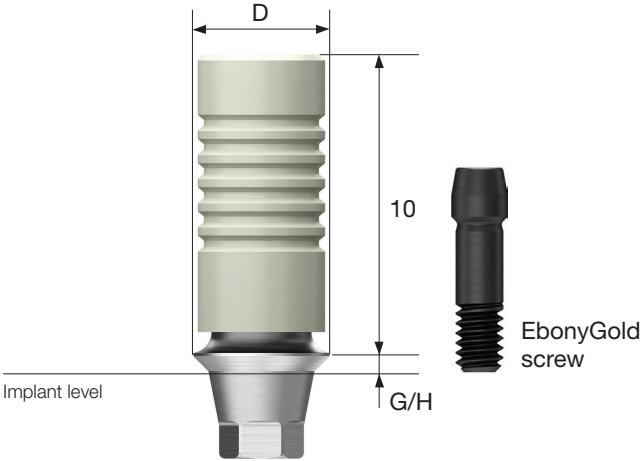
EbonyGold screw
: GSABSS

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

GoldCast Abutment

- Abutment for producing cement-retained/combination/ screw-retained prosthesis
- Used for fabrication of customized prosthesis by casting with gold alloys
- Abutment melting temperature : 1,400~1,450℃
- Implant level impression
- Tightened with 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**)



D Ø4.0



EbonyGold screw
: GSABSM

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

D Ø4.5



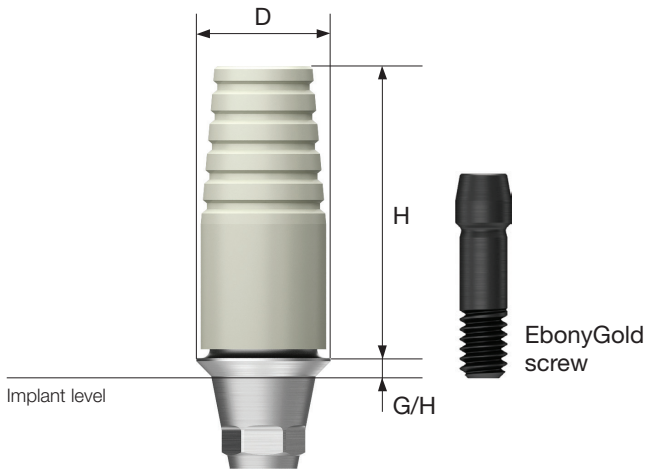
EbonyGold screw
: GSABSS

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

NP-Cast Abutment

- Abutment for producing cement-retained/combination/ screw-retained prosthesis
- Used for fabrication of customized prosthesis by casting with nonprecious metal alloys
- Abutment melting temperature : 1,400~1,550℃
- Implant level impression
- Tightened with 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 : GSNA4510SWH)



D Ø4.0



EbonyGold screw
: GSABSM

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

OSSTEM[®]
IMPLANT

D Ø4.5



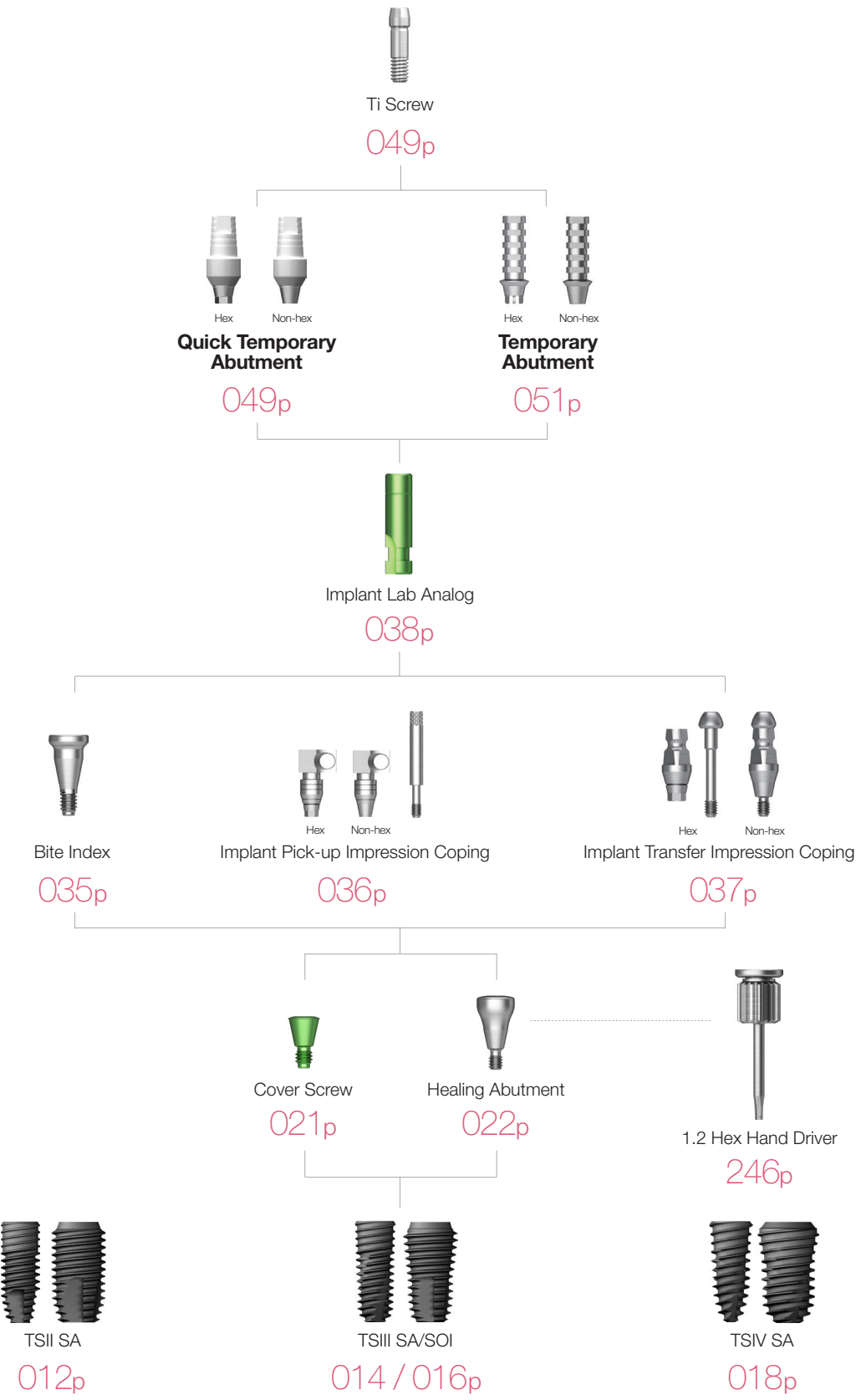
EbonyGold screw
: GSABSS

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

PROSTHETIC FLOW DIAGRAM 3

Temporary / Quick Temporary

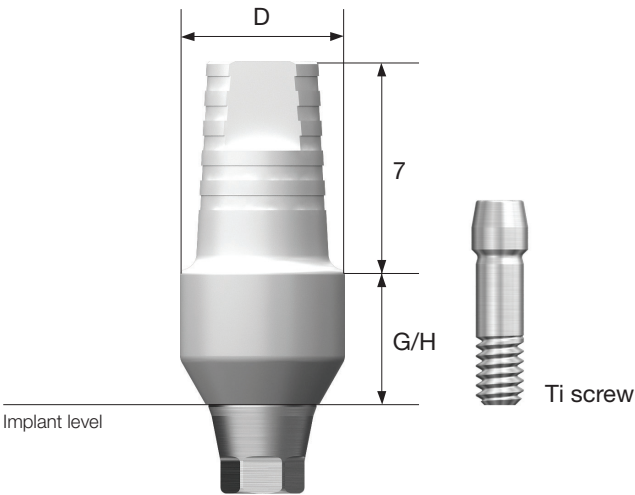
Implant Level Impression



Quick Temporary Abutment

- Abutment for producing cement-retained / screw-retained temporary prosthesis
- Used for producing temporary prosthesis for immediate loading
- Used by removing or with resin attached
- Tightened with 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 : TSQTA5550**TH**)



2015.03
D Ø4.0
M
Ti screw
: GSABSM T

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

D Ø4.5
M
Ti screw
: GSABSM T

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

Quick Temporary Abutment

D Ø4.5



Ti screw : GSABSST

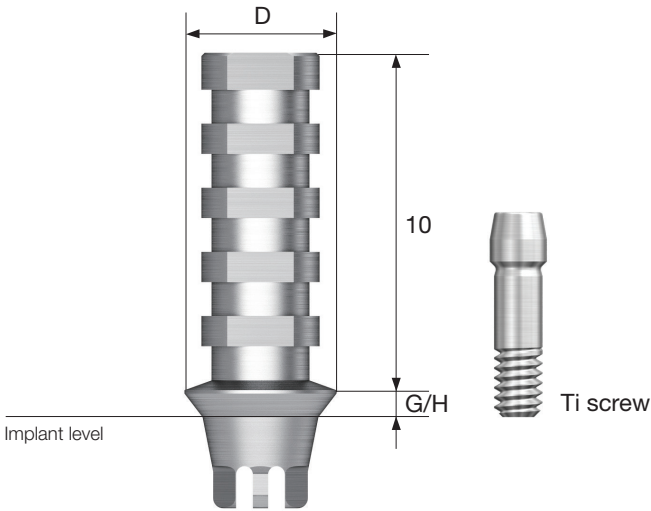
G/H Type	1.5		5.0	
	Hex	Non-Hex	Hex	Non-Hex
	TSQTA4515R	TSQTA4515RN	TSQTA4550R	TSQTA4550RN

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

Temporary Abutment

- Abutment for producing cement-retained/screw-retained temporary prosthesis
- Used for producing temporary prosthesis by removing (Ti Gr-3)
- Enables temporary fixation to the implant without screws by adding the hex holding structure
- Implant level impression
- Tightened with 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 Ø4.0



Ti screw : GSABSMIT

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

D Ø4.5



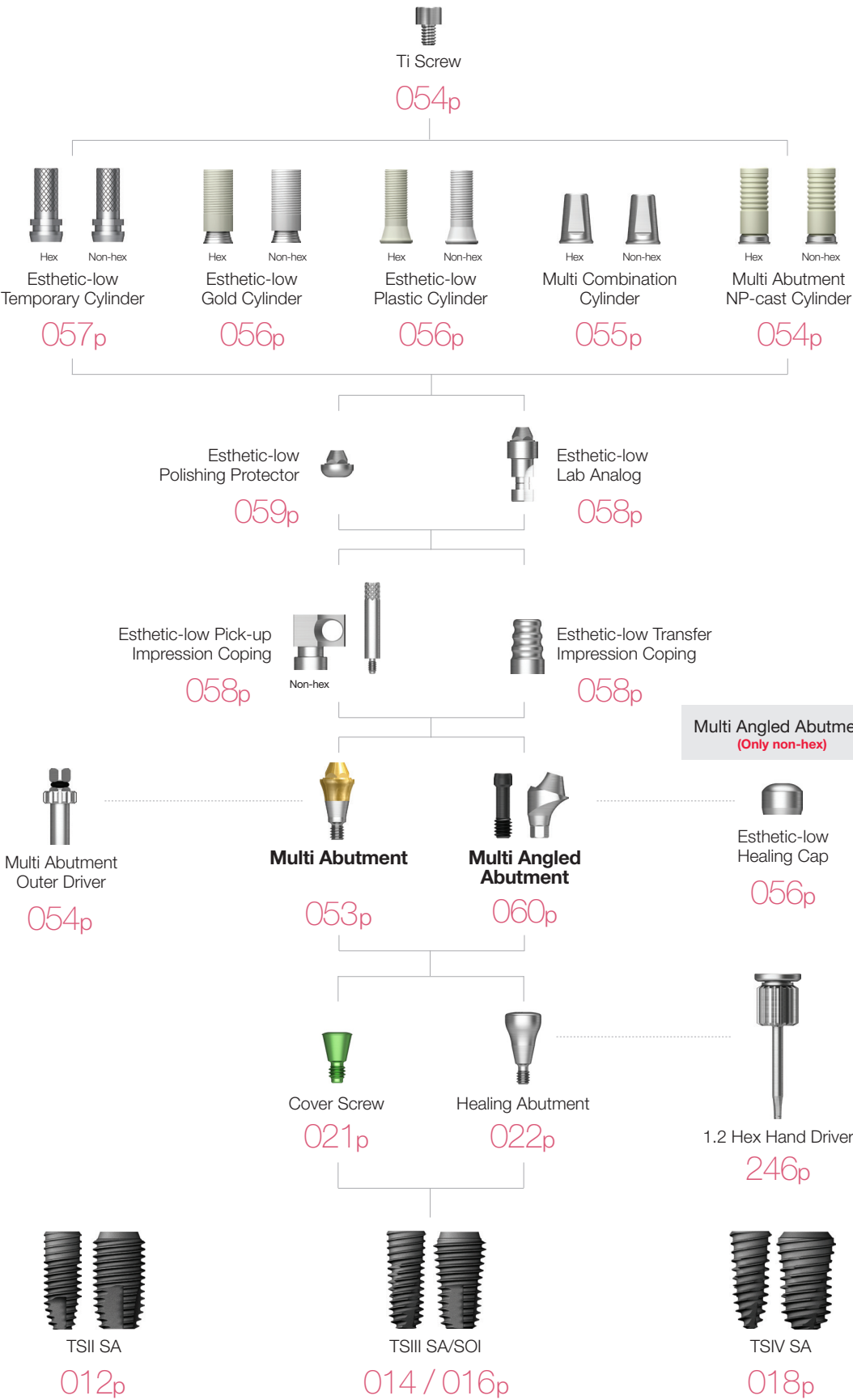
Ti screw : GSABSST

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

PROSTHETIC FLOW DIAGRAM 4

Multi / Multi Angled

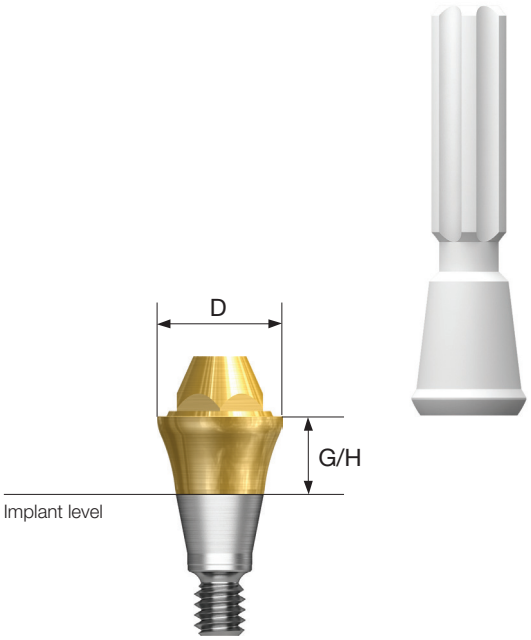
Abutment Level Impression



Multi Abutment

- Used for producing screw-retained prosthesis in multiple case
- The same platform as the multi angled abutment
- Producing prosthesis with esthetic-low cylinder (regular/non-hex)
- Tightened with a dedicated 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

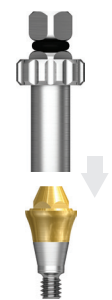
D Ø4.8
R

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

Multi Abutment Components

Multi Abutment Outer Driver

- A dedicated torque river for multi abutment



MAOD

Multi Abutment Machine Driver

- A dedicated machine river for multi abutment



MAMD

Multi Combination Cylinder

- Used for producing combination prosthesis in multi abutment
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + Ti cylinder screw
- Multi angled abutment can be used (Non-Hex)

Abutment + Ti screw order Code
: product code + **TH** (ex : TSMC500**TH**)

M Mini

R Regular

Ti screw
: MTS200

D \ Type	Hex	Non-Hex
----------	-----	---------



TSMC500



TSMC500N

Multi Abutment NP-Cast Cylinder

- Used for producing screw-retained prosthesis in multi abutment
- Used for fabrication of customized prosthesis by casting with nonprecious metal alloys
- Cylinder melting temperature: 1400~1550℃
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + Ti cylinder screw
- Multi angled abutment can be used (Non-Hex)

Abutment + Ti Screw order Code
: product code + **TH** (ex : TSMN500**TH**)

M Mini

R Regular

Ti screw
: MTS200

D \ Type	Hex	Non-Hex
----------	-----	---------



TSMN500



TSMN500N

Multi (Angled) Abutment Components

Esthetic-low Healing Cap

- Protect cap for Multi (Angled) abutment
- Hand tightened with a 1.2 hex driver

M Mini
R Regular

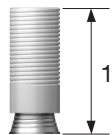
D \ H	6.0
	
	MHCR100

Esthetic-low Gold Cylinder

- Used for fabrication of screw-retained prosthesis in Multi (Angled) abutment
- Used for fabrication of customized prosthesis by casting with gold alloys
- Cylinder melting temperature: 1,400~1,450°C
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti cylinder screw

Cylinder + Ti screw order code
: product code + **TH** (ex : MGR200**TH**)

M Mini
R Regular

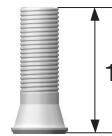
D \ Type	Hex	Non-Hex
		
	MGR200	MGR100
Ti screw : MTS200		

Esthetic-low Plastic Cylinder

- Used for fabrication of screw-retained prosthesis in Multi (Angled) abutment
- Used for fabrication of customized prosthesis by casting with nonprecious metal alloys
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti cylinder screw

Cylinder + Ti screw order code
: Product code + **TH** (ex : MEPR200**TH**)

M Mini
R Regular

D \ Type	Hex	Non-Hex
		
	MEPR200	MEPR100
Ti screw : MTS200		

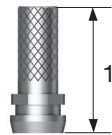
Esthetic-low Temporary Cylinder

Standard Type

- Used for fabrication of temporary prosthesis in Multi (Angled) abutment (Ti Gr-3)
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti cylinder screw

Cylinder + Ti screw order code
: product code + **TH** (ex : MTR200**TH**)

M Mini
R Regular

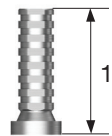
D \ Type	Hex	Non-Hex
		
	MTR200	MTR100
Ti screw : MTS200		

Narrow Type

- Used for fabrication of temporary prosthesis in Multi (Angled) abutment (Ti Gr-3)
- Suitable for overdenture with a thinner diameter compared to the standard type
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti cylinder screw

Cylinder + Ti screw order code
: product code + **TH** (ex : NMTR200**TH**)

M Mini
R Regular

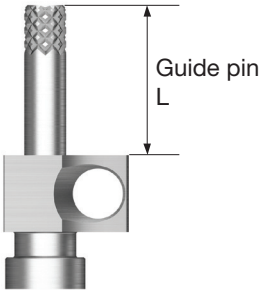
D \ Type	Hex	Non-Hex
		
	NMTR200	NMTR100
Ti screw : MTS200		

Multi (Angled) Abutment Components

Esthetic-low Pick-up Impression Coping

- Components for implant level impression taking
- Pick up impression coping for Multi (Angled) abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : impression coping body + guide pin(*)

M Mini
R Regular



D \ L	Hex		Non-Hex		Guide Pin			
					5	10	12	15
	MSR200		MSR100		GP100	GP150*	GP170	GP200

Esthetic-low Polishing Protector

- Protecting the joint in the polishing procedure after producing a prosthesis using esthetic GoldCast/plastic cylinder
- Hand tightened with a 1.2 hex driver

M Mini
R Regular



MPCR100

Esthetic-low Transfer Impression Coping

- Transfer impression coping for Multi (Angled) abutment
- Hand tightened

M Mini
R Regular

D \ H	8.0
	MTTR100

Esthetic-low Lab Analog

- Lab analog for Multi (Angled) abutment
- Hand tightened with a 1.2 hex driver

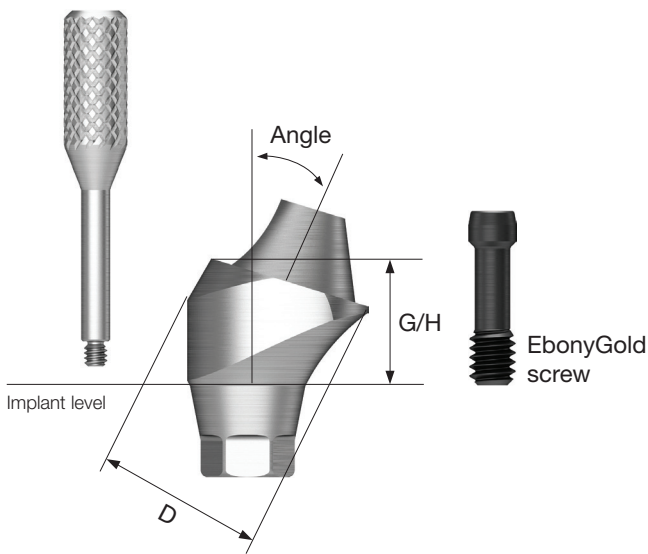
M Mini
R Regular

D	
	MERR300

Multi Angled Abutment

- Used for producing screw-retained prosthesis in multiple case
- The same platform as the multi abutment
- Implant placement angle compensated up to 108°
- Producing prosthesis with US esthetic-low cylinder (regular/non-hex)
- Using dedicated abutment screws
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm(mini), 30Ncm(regular)
- Packing unit : abutment + EbonyGold screw

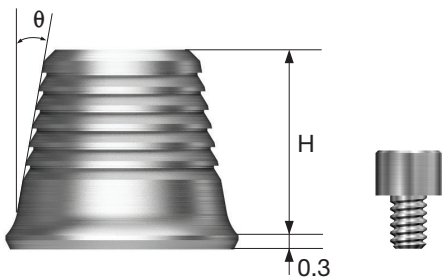
Abutment + EbonyGold screw + Carrier order code
: product code + WH (ex : GS17MAS4840WH)



TS Multi Ti Base

- Used for producing combination prosthesis in TS multi abutment
- Used in connection with TS multi scan body
- Abutment level impression
- Non-hex type only
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : Ti base + Ti base screw

Ti base + Ti screw order Code
: product code + TH (ex : TSMTB405GTH)



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	5.0
17°	 GS17MAS4820	 GS17MAS4830	 GS17MAS4840	 GS17MAS4850

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

M Mini



TS Multi Ti-base screw
: TSMTBS

H \ Degree(θ)	5°	10°
4	 TSMTB0405G	 TSMTB0410G
6	 TSMTB0605G	-

TS Multi Scan Body

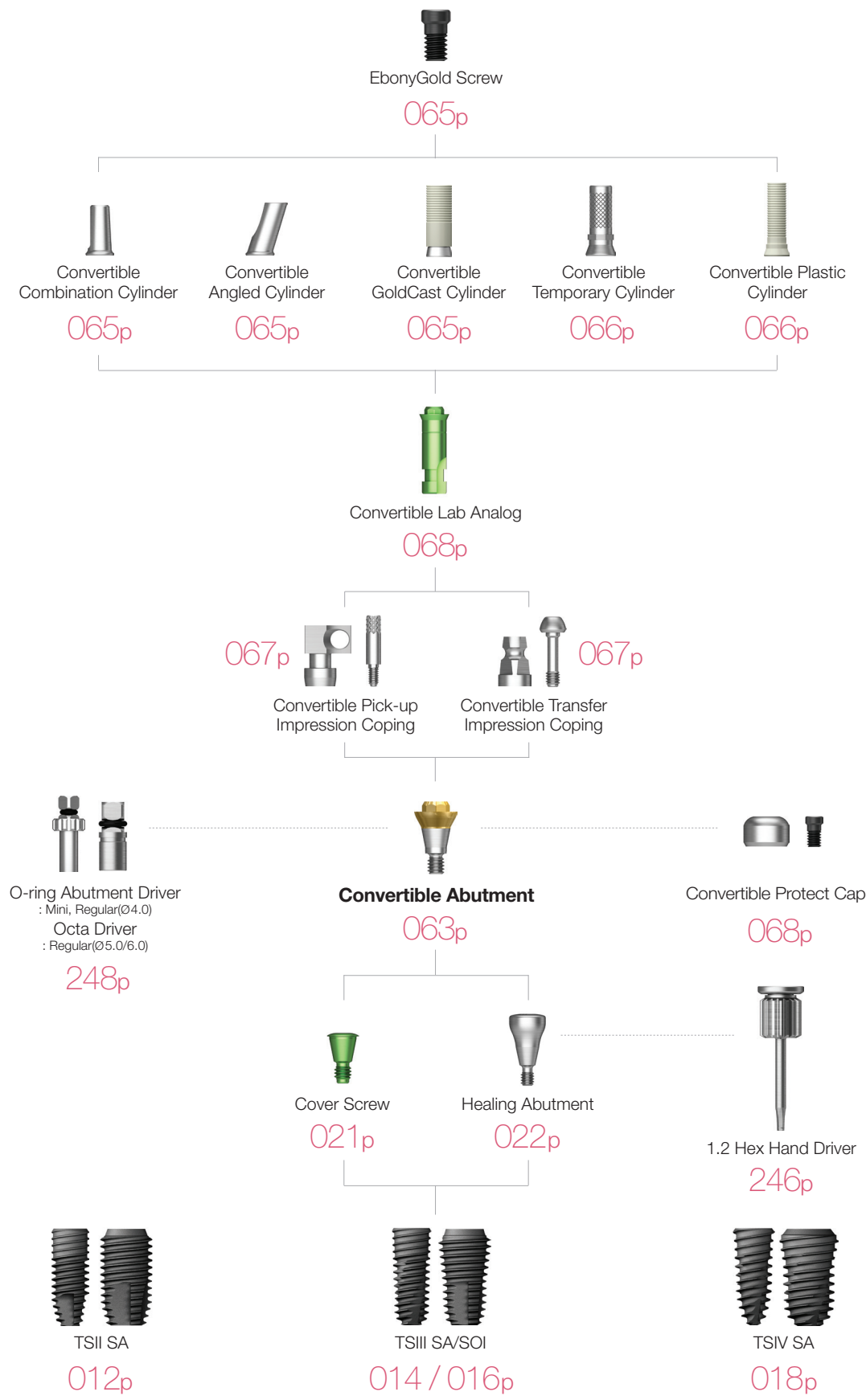
- Used by connecting to the TS multi abutment for oral scanning
- Used for non-hex type
- Hand tightened with a 1.2 hex driver



TSMSCB

Convertible

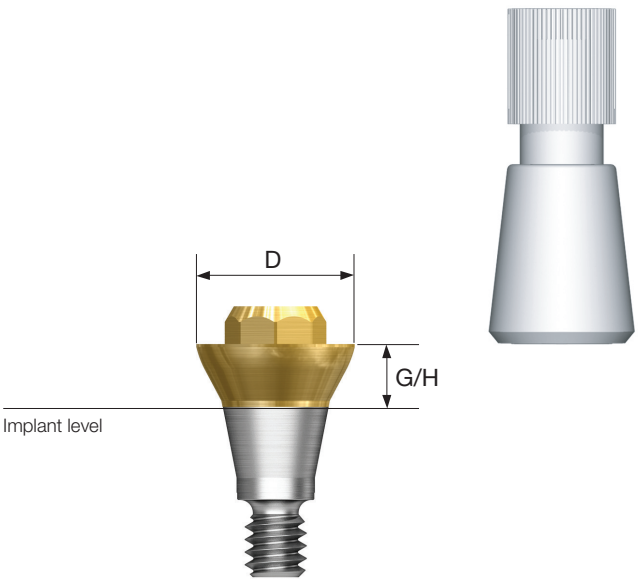
Abutment Level Impression



Convertible Abutment

- Used for producing combination/screw-retained prosthesis in multiple case
- Implant placement angle compensated up to 60°
- Tightened with a dedicated outer driver
 - Ø 4.0: o-ring abutment driver (code: AORD)
 - Ø 5.0/6.0: octa abutment driver (code: ODSL/ODSS)
- Recommended tightening torque: 30Ncm(mini/regular)
- Packing unit : abutment + carrier

Abutment + carrier order code
: product code + **P** (ex : GSCA5030**P**)



D Ø4.0
M

G/H	1.0	2.0	3.0	4.0
	GSCA4010	GSCA4020	GSCA4030	GSCA4040

D Ø4.0
R

G/H	1.0	2.0	3.0	4.0
	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

- Used for producing combination prosthesis in convertible abutment
- Tightened with 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	7.0 Non-Hex	Octa
Ø4.0/Ø4.0				
Ø5.0		-	-	GSCC5070T
Ø6.0		-	-	GSCC6070T
EbonyGold screw : GSFSM (Ø4.0 / Ø4.0) : GSFSR (Ø5.0 / Ø6.0)				

Convertible Angled Cylinder

- Used for producing combination prosthesis in convertible abutment
- Prosthetic path can be adjusted up to 17°
- Tightened with 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	8.0 Non-Hex	Octa
Ø4.0/Ø4.0				
Ø5.0		-	-	GSAC5080T
Ø6.0		-	-	GSAC6080T
EbonyGold screw : GSFSM (Ø4.0 / Ø4.0) : GSFSR (Ø5.0 / Ø6.0)				

Convertible GoldCast Cylinder

- Used for producing screw-retained prosthesis in convertible abutment
- Used for fabrication of customized prosthesis by casting with gold alloys
- Cylinder melting temperature: 1,400~1,450°C
- Tightened with 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	12 Non-Hex	Octa
Ø4.0/Ø4.0				
Ø5.0		-	-	GSGC500
Ø6.0		-	-	GSGC600
EbonyGold screw : GSFSM (Ø4.0 / Ø4.0) : GSFSR (Ø5.0 / Ø6.0)				

Convertible Abutment Components

Convertible Temporary Cylinder

- Used for producing temporary prosthesis in convertible abutment (Ti Gr-3)
- Tightened with a 1.2 hex driver
- Recommended tightening torque: 20Ncm
- Packing unit : cylinder + Ti cylinder screw

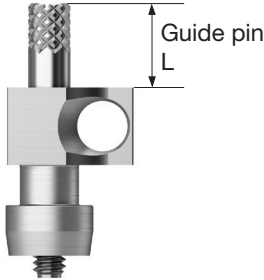
Abutment + Ti screw order code
: product code + TH (ex : GSCTC500T**TH**)



D \ H	12			
	Type	Hex	Non-Hex	Octa
				
Ø 4.0 / Ø 4.0		GSCTC400T	GSCTC400NT	-
Ø 5.0		-	-	GSCTC500T
Ø 6.0		-	-	GSCTC600T
Ti screw : GSFSMT (Ø 4.0 / Ø 4.0) : GSFSRT (Ø 5.0 / Ø 6.0)				

Convertible Pick-up Impression Coping

- Components for implant level impression taking
- Pick up impression coping for convertible abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : impression coping body + guide pin(*)



D \ L	Guide Pin			
		0	5.0	
				
Ø 4.0 / Ø 4.0	GSPIC400 (Hex / Yellow)	-	GSGP400S	GSGP400L*
Ø 5.0	GSPIC500 (Octa / Silver)	-	GSGP500S	GSGP500L*
Ø 6.0	GSPIC600 (Octa / Blue)	-		

Convertible Plastic Cylinder

- Used for producing screw-retained prosthesis in convertible abutment
- Used for fabrication of customized prosthesis by casting with nonprecious metal alloys
- Tightened with 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	12			
	Type	Hex	Non-Hex	Octa
				
Ø 4.0 / Ø 4.0		GSCPL400	GSCPL400N	-
Ø 5.0		-	-	GSCPL500
Ø 6.0		-	-	GSCPL600
EbonyGold screw : GSFSM (Ø 4.0 / Ø 4.0) : GSFSR (Ø 5.0 / Ø 6.0)				

Convertible Transfer Impression Coping

- Transfer impression coping for convertible abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : impression coping body + guide pin



D		
		
Ø 4.0 / Ø 4.0	GSTIC400 (Hex / Yellow)	
Ø 5.0	GSTIC500 (Octa / Silver)	
Ø 6.0	GSTIC600 (Octa / Blue)	

Convertible Abutment Components

Convertible Protect Cap

- A protect cap for convertible abutment
- Hand tightened with a 1.2 hex driver
- 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 for convertible abutment
- Hand tightened with a 1.2 hex driver

- 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

- Protecting the joints during polishing process after producing a prosthesis using a convertible GoldCast/plastic cylinder
- Hand tightened with a 1.2 hex driver

- M Mini
- R Regular

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

OSSTEM[®]
IMPLANT

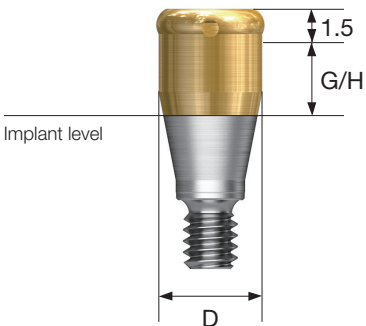
PROSTHETIC FLOW DIAGRAM 6

Port / Locator® / Stud

Overdenture

Port Abutment

- Placement angle compensated up to 40°
- Vertical dimension lower by 1.5mm, construction of various attachments with stable fixing
- Tightened with 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
	TSPTA3510M	TSPTA3520M	TSPTA3530M	TSPTA3540M

G/H	5.0	6.0	7.0
	TSPTA3550M	TSPTA3560M	TSPTA3570M

D Ø3.7

R

G/H	1.0	2.0	3.0	4.0
	TSPTA4010R	TSPTA4020R	TSPTA4030R	TSPTA4040R

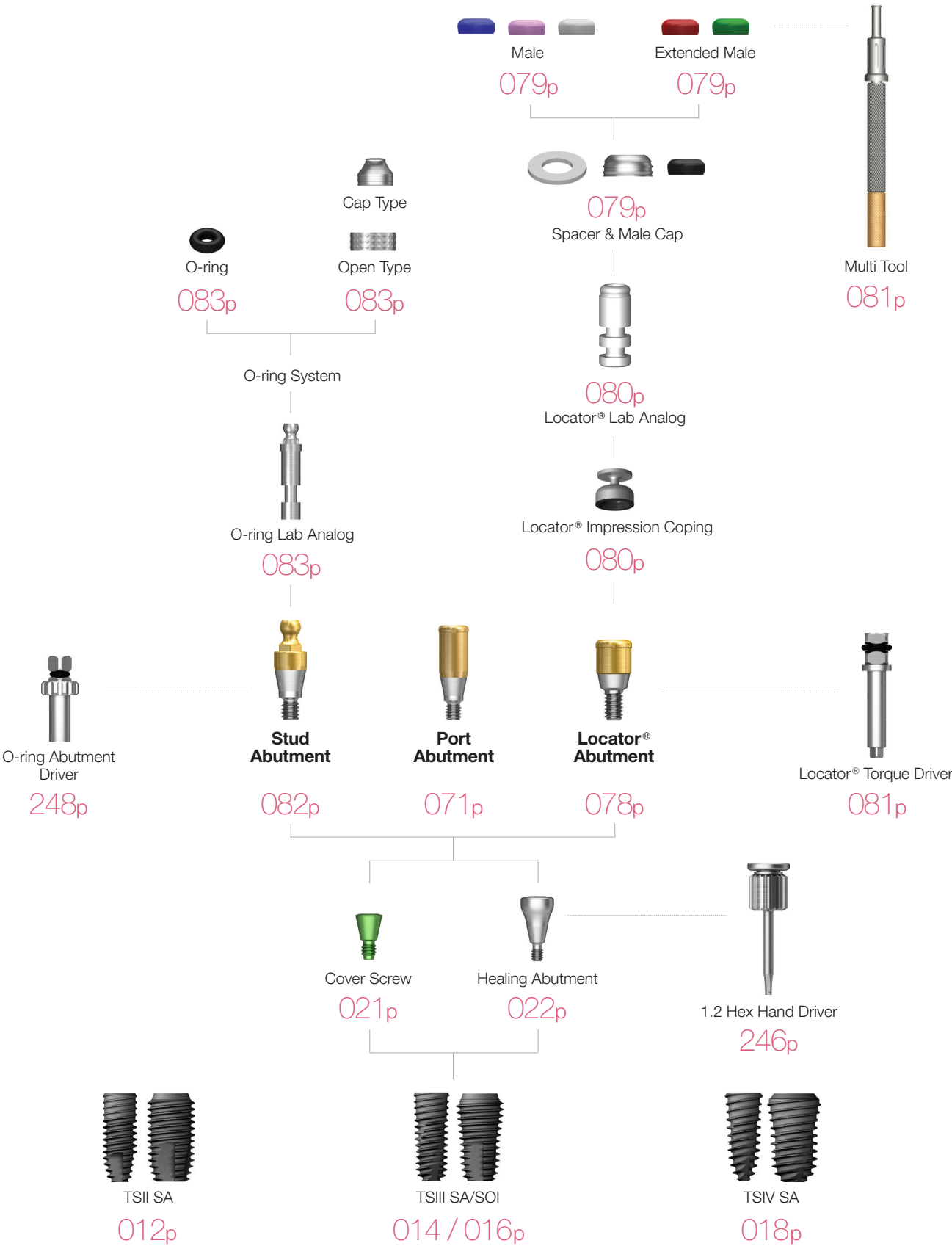
G/H	5.0	6.0	7.0
	TSPTA4050R	TSPTA4060R	TSPTA4070R

TS SYSTEM

TS SYSTEM

070

071



Port Abutment Components

Port Male KIT

- Components
 - Block out spacer / denture cap connected black processing male
 - Replacement male blue/pink/clear
- Used by selecting the male with adequate retention force for each case
- Using a locator core tool for replacing the male
- Packing unit : 1set



PTCMK

Port Replacement Male

- Retention force : Low retention (Approx. 6N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea
-
- Retention force : Medium retention (Approx. 12N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea
-
- Retention force : High retention (Approx. 22N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea



PTCM06S



PTCM12S



PTCM22S

Port Extended Replacement Male

- Retention force : Low retention (Approx. 6N)
 - Placement angle compensated up to 20~40°
 - Packing unit : 4ea
-
- Retention force : Medium retention (Approx. 12N)
 - Placement angle compensated up to 20~40°
 - Packing unit : 4ea



PTCEM06S



PTCEM12S

Port Black Processing Male

- Male used only in prosthesis fabrication process
- Packing unit : 4ea



PTCPMS

Port Male Cap

- Fixed to the denture by connecting with the male
- Packing unit : 1ea



PTCMC

Port Block Out Spacers

- Used for sealing of the space between the abutment and the denture cap when attaching the overdenture and denture cap in the oral cavity
- Packing unit : 20ea



PTCSS

Port Impression Coping

- Pick up impression coping for Locator Abutment
- Using closed tray
- Packing unit : Impression coping + Provisional male 1set



PTCIC

Port Lab Analog

- Lab analog for Locator Abutment
- Packing unit : 1ea



PTCLA40

Port Multi Tool

- Used for placing and removing the replacement male in the denture cap
- Separated into three pieces and used as a hand driver for port abutment

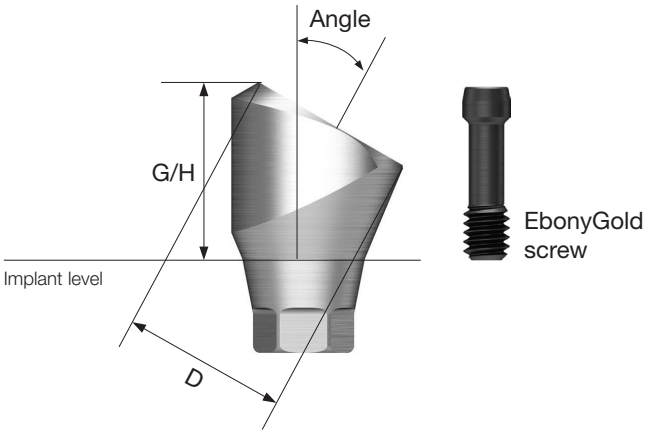


PTCMT

Port Angled Abutment

- Used for placement angle compensation in overdenture
- Abutment level impression
- Placement angle compensated up to 60°
- Tightened with 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
: GSMABSS

Angle \ G/H	4.0	5.0
10°	 TS10PA454R	 TS10PA455R

Angle \ G/H	4.0	5.0
17°	 TS17PA454R	 TS17PA455R

Angle \ G/H	4.0	5.0
30°	 TS30PA454R	 TS30PA455R

D Ø4.6



EbonyGold screw
: GSMABSM

Angle \ G/H	4.0	5.0
10°	 TS10PA454M	 TS10PA455M

Angle \ G/H	4.0	5.0
17°	 TS17PA454M	 TS17PA455M

Angle \ G/H	4.0	5.0
30°	 TS30PA454M	 TS30PA455M

Port Angled Abutment Components

Port Angled Abutment Head

- Head part connected to the port angled abutment
- Tightened using a locator torque driver
- Recommended tightening torque : 20Ncm
- Packing unit : abutment head + carrier

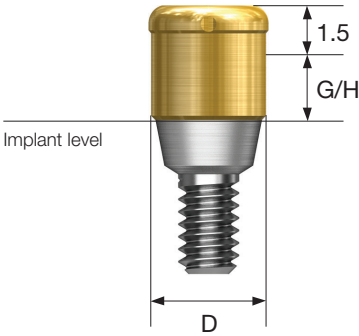


PTAAH450P

OSSTEM[®]
IMPLANT

Locator® Abutment

- Locator Abutment for TS abutment of Zest Dental Solutions
- Placement angle compensated up to 40°
- Vertical dimension lower by 1.5mm, construction of various attachments with stable fixing
- Tightened with 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
- Used by selecting the male with adequate retention force for each case
- Using a locator core tool for replacing the male
- Packing unit : 2set



Locator® Replacement Male

- Retention force : Low retention (Approx. 6N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea
-
- Retention force : Medium retention (Approx. 12N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea
-
- Retention force : High retention (Approx. 22N)
 - Placement angle compensated up to 20°
 - Packing unit : 4ea



Locator® Extended Replacement Male

- Retention force : Low retention (Approx. 6N)
 - Placement angle compensated up to 20~40°
 - Packing unit : 4ea
-
- Retention force : Medium retention (Approx. 12N)
 - Placement angle compensated up to 20~40°
 - Packing unit : 4ea



Locator® Abutment Components

Locator® Black Processing Male

- Male used only in prosthesis fabrication process
- Packing unit : 4ea



LBPS

Locator® Block Out Spacers

- Used for sealing of the space between the abutment and the denture cap when attaching the overdenture and denture cap in the oral cavity
- Packing unit : 20ea



LBSS

Locator® Impression Coping

- Pick up impression coping for Locator Abutment
- Using closed tray
- Packing unit : Impression coping + Provisional male 1set



LICS

Locator® Lab Analog

- Lab analog for Locator Abutment
- Packing unit : 2ea



LAL40S

Locator® Core Tool

- Used for placing and removing the replacement male in the denture cap
- Separated into three pieces and used as a hand driver for Locator Abutment



LOCT

Locator® Torque Driver

- Torque driver for Locator Abutment

Type Short Long



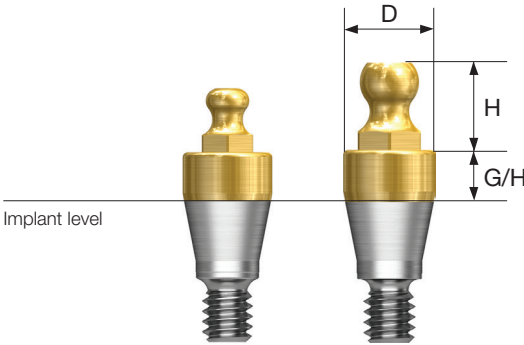
TWLDSK



TWLDLK

Stud Abutment

- Abutment for overdenture using o-ring attachment
- Placement angle compensated up to 20°
- Tightened with a dedicated outer driver (small size: STAOD / normal size : AORD)
- Recommended tightening torque: 30Ncm(mini/regular)
- Ball head diameter
 - Small size : Ø 1.7 (H 2.5mm)
 - Normal size : Ø2.25 (H 3.4mm)



D Ø3.5

M

	G/H	1.0	2.0	3.0	4.0	5.0	6.0
Small Size		GSST3510M	GSST3520M	GSST3530M	GSST3540M	GSST3550M	GSST3560M
Normal Size		GSSAM3510	GSSAM3520	GSSAM3530	GSSAM3540	GSSAM3550	GSSAM3560

D Ø3.5

R

	G/H	1.0	2.0	3.0	4.0	5.0	6.0
Small Size		GSST3510R	GSST3520R	GSST3530R	GSST3540R	GSST3550R	GSST3560R
Normal Size		GSSA3510	GSSA3520	GSSA3530	GSSA3540	GSSA3550	GSSA3560

Stud Abutment Components

O-ring Retainer Cap Set

- O-ring attachment for Stud Abutment
- O-ring replaced in a metal housing for use
- 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



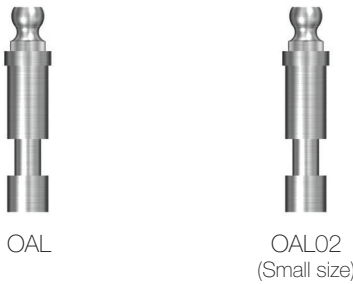
O-ring Set

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



O-ring Lab Analog

- Lab analog for Stud Abutment



OneSeal

- Disposable medical devices for internal filling of abutment
- Cut to desired length for use (medical silicone)
- Packing unit : 5ea
- TS Mini : TSSE2250S
- TS Regular : TSSE2350S
- SS Regular : SSSE2650S

TS Abutment Selector

- Component accessory that allows prediction of the final abutment specification required
- Only for rigid, transfer and angled abutment
- PSU ring combination allows manual tightening and removal
- Hole for prevention of dropping in the mouth

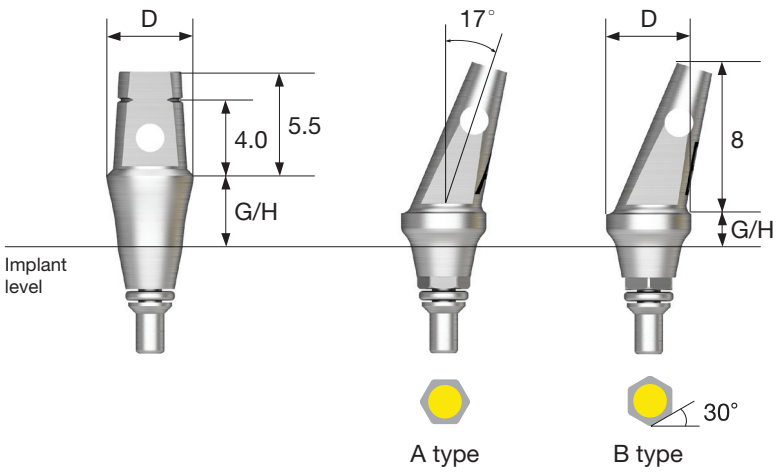
M Mini (Yellow)

R Regular (Green)



TS Abutment Selection KIT

- Order Code : TSKCA
- Components : KIT including the entire range of selectors



Straight Type

G/H	2.0	4.0
Ø 4.0	TSSS4020	TSSS4040
Ø 4.5	TSSS4520	TSSS4540
Ø 5.0	TSSS5020	TSSS5040
Ø 6.0	TSSS6020	TSSS6040

Angled Type

G/H	2.0		4.0	
Type	Hex A	Hex B	Hex A	Hex B
Ø 4.0	TSSA4020A	TSSA4020B	TSSA4040A	TSSA4040B
Ø 4.5	TSSA4520A	TSSA4520B	TSSA4540A	TSSA4540B
Ø 5.0	TSSA5020A	TSSA5020B	TSSA5040A	TSSA5040B

OSSTEM[®]
IMPLANT