

OSSTEM[®]
IMPLANT

2020 - 21

IMPLANT SYSTEM

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IMPLANT

2020-21
IMPLANT
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OSSTEM[®]
IMPLANT

2020-21 IMPLANT SYSTEM

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**“Cutting edge
technology and
superior quality”**

Making products that dentists are able to
trust and are satisfied with:
This is our mission at **OSSTEM IMPLANT**



**We are forever grateful
to all of our
customers for their
unwavering support to
OSSTEM IMPLANT**

Osstem, South Korea's first implant manufacturer, has achieved steady growth thanks to the support and love from its customers. Osstem has put a lot of effort into continuous investment in R&D and quality innovation in order to provide products that customers are looking for and satisfied with. Based on this, it has become the No. 1 implant company in Asia Pacific region and No. 4 in the world. Moreover, it was ranked No. 1 for global fixture sales from 2017 to 2019 for 3 consecutive years and became the global provider of the implants most used by the customers all around the world.

In this 2020-21 product catalog, you can see a variety of products at a glance, including not only the implant products of Osstem's differentiated technology but also the digital dentistry products such as Oneguide the implant surgical guide, scanners, milling machines, CAD/CAM, etc. We have invested numerous efforts and time in the configuration and design of this catalog so that customers do not have any inconvenience of finding and ordering the products they need. The fixtures and abutments are listed to make it easy to understand the diameter, length, and functional behavior, in sequence that customers make a judgement for purchase.

The product type and code are displayed to help with accurate ordering. We have added the product thumbnail pages to view the components at a glance and detailed information pages to describe the functions of each component for enhanced user understanding. For GBR products, shape, size, and capacity of each product are described in detail for easy ordering as well. In addition, the release date and time are indicated for all products so that customers can easily distinguish new products from existing products for purchase. In terms of design, we applied high-quality product images to aid ordering without looking at the actual product, and improved user convenience by applying representative colors to facilitate classification by product category.

We hope that this 2020-21 product catalog will help you effectively find and purchase all the products you need for your dental practice. Osstem Implant will continue to strive to create greater customer value as a partner to help dentists provide better care. Thank you.

CEO of OSSTEM IMPLANT
Tae-Kwan Eom

Handwritten signature of Tae-Kwan Eom.

Worldwide & History



1997

- 01 Established Osstem(D&D System)
- 12 Launched "Doobunae"(health insurance claiming software)

2000

- 06 Developed and launched "Hanaro" (total dental clinic management software)
- 12 Acquired Sumin Comprehensive Dental Materials (South Korea's fist implant manufacturer)

2001

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

2002

- 01 Established Osstem Implant Research Center
- 08 Obtained US FDA certification

2003

- 07 Established the Information System Research Institute

2006

- 03 Changed company name to Osstem Implant Co., Ltd.
- 09 Established a subsidiary in the U.S. (HIOSEN), and set up the manufacturing facility
- 12 Completed the first-phase establishment of overseas subsidiaries (12 countries)

2007

- 02 Listed on KOSDAQ and began trading
- 11 Won the "10 Million Dollar Export Tower" on Trade Day

2008

- 01 Established Osstem Bone Science Research Institute
- 07 Won the Grand Prize of the 2008 Korea Health Industry Awards by the Ministry of Health, Welfare and Family Affairs

2010

- 03 Launched TSIII SA implant
- 06 Launched TSIII HA implant

2011

- 06 Osstem Implant Research Institute selected as an Advanced Technology Center (ATC) by the Ministry of Trade, Industry and Energy
- 07 Selected as 2011 World Champ company by KOTRA
- 12 Selected as Current World-Class Product by the Ministry of Knowledge Economy

2012

- 06 Launched TSIII CA implant
- 07 Established the Medical Equipment Research Institute

2013

- 01 Launched xenograft "A-Oss"
- 09 Launched "K3 unit chair"

2014

- 05 Launched impression material "Hysil"
- 08 Launched whitening material "BeauTis"

2015

- 03 Established Osstem Pharma Co., Ltd.
- 12 Awarded the "50 Million Dollar Export Tower" on Trade Day

2016

- 01 Established VUSSEN Co., Ltd.
- 02 Released TSIII BA
- 03 Acquired Cardiotec Co., Ltd.
- 04 Launched the dental clinic interior design business
- 06 Released TSIII SOI
- 08 Acquired Hubit Co., Ltd.
- 11 Launched "OneGuide"

2017

- 12 Won the Presidential Award at 2017 Government Commendation for Job Creation

2018

- 11 Won the '2018 SW Enterprise Quality Award' by Ministry of Science and Technology
- 12 Won the "100 Million Dollar Export Tower" on Trade Day

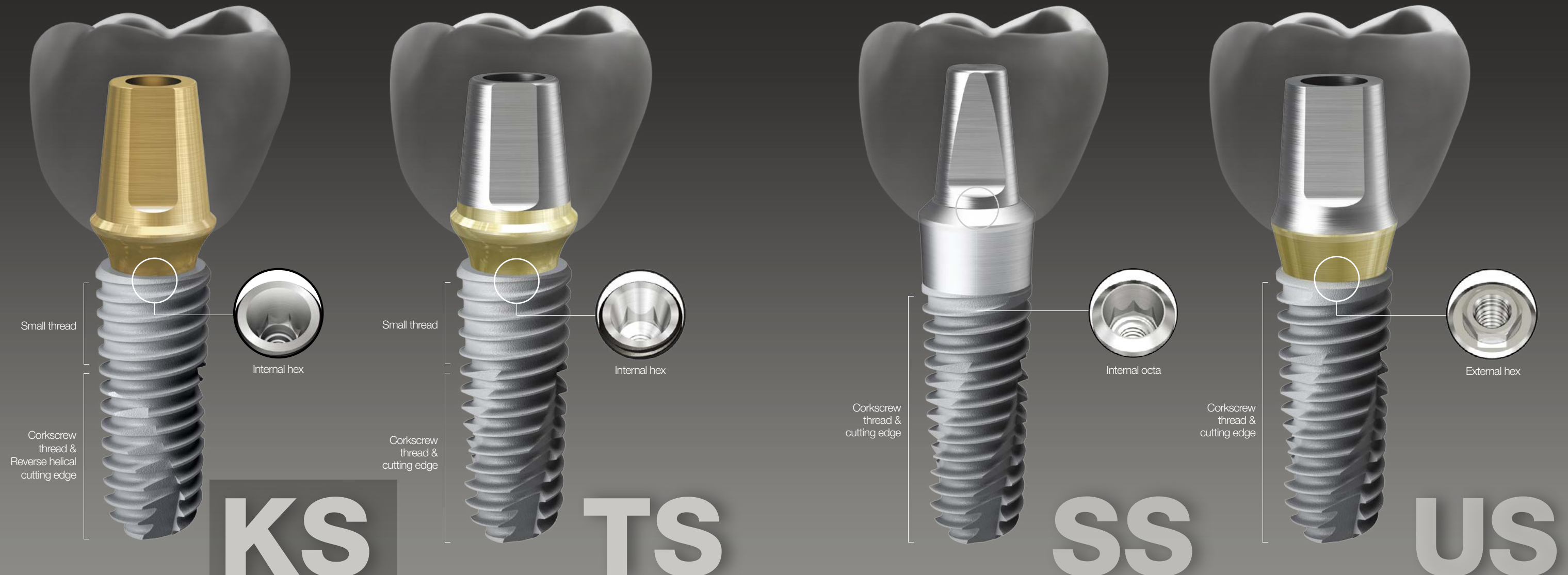
2019

- 08 Opened manufacturing corporation in Yancheng, China
- 10 Established a subsidiary in Brazil (23 subsidiaries in 26 countries in operation)
- 12 Awarded the Brand Top, Industrial Service, Presidential Citation, Prime Minister Citation, and KITA Citation on 56th Trade Day

2020

- 01 Launched "OneClick" the electronic chart for dental clinics
- 02 Established "DenAll", the comprehensive dental portal
- 07 Headquarters relocated to Magok, Seoul
- 08 No.1 seller of fixture for 3 consecutive years (2017~2019)

OSSTEM[®] Implant Design feature



Next-generation submerged type implant with an Internal hex 15° tapered connection structure

- Connection - **Regular only** (2.1hex single platform)
 - Strength intensified due to a narrower and deeper connection
 - Reduced prosthetic errors and inventory burden with no variation of the product (Mini/Regular)
- Abutment holding system applied to enable screw fastening with one hand
- Excellent initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Available surface types - BA

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

- Connection - **Mini / Regular**
- Excellent initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and 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
- Available surface types - SA / CA / BA / SOI

Non-submerged type implant with an internal octa 8° tapered connection based on 1st stage surgery

- Connection - **Regular / Wide**
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Various body shape options available to match the patient's bone quality and clinical condition
 - SSII (straight body) : Easy to adjust placement depth
 - SSIII (1.5° tapered body) : Excellent initial stability needed for immediate loading even in soft bone
- Available surface types - SA / CA / BA

Submerged type implant with an external hex connection structure

- Connection - **Mini / Regular / Wide / Wide PS**
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Various body shape options available to match the patient's bone quality and clinical condition
 - USII (straight body) : Easy to adjust placement depth
 - USIII (1.5° taper body) : Excellent initial stability needed for immediate loading even in soft bone
 - USIV (6° taper body) : Specifically designed for use in maxillary sinus and soft bone, providing excellent initial stability
- Available surface types - SA / CA / BA / SOI

OSSTEM[®] Implant Surface feature

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

OSSTEM IMPLANT proudly presents its cutting-edge surface technology

SA CA HA SOI

Optimized Surface through Acid Treatment

- Ra 2.0~3.0 μm surface roughness
(Note : The roughness in the upper 0.5mm part is Ra 0.5~0.6 μm)
- Consistent surface micro-pits of 1~3 μm
- Surface area increased by 46% compared to RBM treated implants

In-vitro and In-vivo Bone Response

- Osteoblast differentiation and ossification improved by 20% compared to RBM treated implants
- Initial bone reaction performance in big animal model (mini-pig)
 - Initial stability (RT, 4 weeks) improved by 48% compared to RBM treated implants
 - Ossification (BIC, 4 weeks) improved by 20% compared to RBM treated implants

Super-hydrophilic SA surface immersed in a calcium solution

- Same surface morphology as SA surfaces
- Surface reaction activated by immersing in a calcium solution (CaCl_2)
- Increased new bone formation area with excellent blood wettability
- Bone response improved in early osseointegration stage compared to standard SA surface

In-vitro and In-vivo Bone Response

- Protein and cellular adhesion tripled compared to SA surfaces
- Initial cellular differentiation (7 days) improved by 19% compared to SA surfaces
- Initial stability (RT, 4 weeks) improved by 34% compared to SA surfaces
- Ossification (BIC, 4 weeks) improved by 26% compared to SA surfaces

Premium low crystalline nano-HA coated SA surface

- 10nm ultra-thin HA coating
- SA surface (Ra 2.0~3.011 μm) coated with HA
- Dual functions of titanium and HA
 - HA is naturally resorbed during ossification

In-vitro and In-vivo Bone Response

- Advantages of both SA and HA surfaces
 - SA's ability to maintain an optimal surface
 - HA's ability to form high quality initial bone even in bone of poor quality
- Ossification (BIC) improved by 26% compared to SA surfaces
- Applicable to all types of bone quality

Next-generation surface with hemostatic effect and pH control feature

- Activation of blood clot formation
- Prevention of carbon adsorption in air
- Same surface roughness (Ra 2.0~3.0 μm) 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

KS SYSTEM Contents

040 KSIII BA Fixture		042 Simple Mount		042 Cover Screw		043 Healing Abutment		047 Rigid Abutment	
050 Transfer Abutment		052 Bite Impression Coping		053 Bite Impression Coping Driver		053 Bite Index		054 Pick-up Impression Coping	
055 Transfer Impression Coping		056 Fixture Lab Analog		056 Laboratory Screw		059 Angled Abutment		061 FreeForm ST Abutment	
063 GoldCast Abutment		064 NP-Cast Abutment		065 Pre-Milled Abutment		066 Scan Body		067 Link Abutment for Public	
068 Link Abutment for Cerec		069 Scan Post		070 Temporary Abutment		073 Multi Abutment		074 Multi Angled Abutment	
075 Stud Abutment		076 Port Angled Abutment							

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084 TSII SA Fixture  086 TSII CA Fixture  088 TSII BA Fixture  090 TSIII SA Fixture  092 TSIII CA Fixture 

094 TSIII BA Fixture  096 TSIII SOI Fixture  098 TSIV SA Fixture  100 TSIV CA Fixture  102 TSIV BA Fixture 

104 Simple Mount  104 Cover Screw  105 Healing Abutment  106 Custom Healing Abutment  109 Rigid Abutment 






112 Rigid Protect Cap  112 Rigid Retraction Cap  112 Rigid Impression Coping  113 Rigid Burn-out Cylinder  113 Rigid Lab Analog 

114 Transfer Abutment  118 Transfer ID Abutment  122 Bite Impression Coping  123 Bite Impression Coping Driver  123 Bite Index 






124 Fixture Pick-up Impression Coping  125 Fixture Transfer Impression Coping  126 Laboratory Screw  126 Fixture Lab Analog  129 Angled Abutment 


131 FreeForm ST Abutment  133 FreeForm ST ID Abutment  135 GoldCast Abutment  136 NP-Cast Abutment  139 OneFit Abutment 





139 Scan Body  140 OneFit Zr Abutment  141 Pre-Milled Abutment  142 Link Abutment for Public (A Type)  143 Link Abutment for Public (B Type) 






144 Link Abutment for Cerec  145 Scan Post  145 Scan Body  146 Quick Temporary Abutment  148 Temporary Abutment 

151 Multi Abutment  152 Multi Abutment Outer Driver  152 Multi Abutment Machine Driver  152 Multi Abutment NP-Cast Cylinder  153 Multi Combination Cylinder 

154 Multi Angled Abutment  155 TS Multi Ti Base  155 TS Multi Scan Body  157 Convertible Abutment  159 Convertible Combination Cylinder 

159 Convertible Angled Cylinder  159 Convertible GoldCast Cylinder  160 Convertible Temporary Cylinder  160 Convertible Plastic Cylinder  161 Convertible Pick-up Impression Coping 

161 Convertible Transfer Impression Coping  162 Convertible Protect Cap  162 Convertible Lab Analog  162 Convertible Polishing Protector  165 Stud Abutment 

166 O-ring Retainer Cap Set  166 O-ring Retainer Set  166 O-ring Set  166 O-ring Lab Analog  167 Locator® Abutment 

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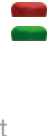
168
Locator®
Male
Processing
Kit



168
Locator®
Replacement
Male



168
Locator®
Extended
Replacement
Male



169
Locator®
Black
Processing
Male



169
Locator®
Block Out
Spacers



169
Locator®
Impression
Coping



169
Locator®
Lab Analog



170
Locator®
Core Tool



170
Locator®
Torque
Driver



171
Port
Angled
Abutment



173
Port
Angled
Abutment
Head



174
OneSeal



175
TS
Abutment
Selector



176
Scan
Healing
Abutment






177
Scan
Healing
Abutment
Carrier








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SS SYSTEM Contents

182 SSII SA Fixture  184 SSII CA Fixture  186 SSII BA Fixture  188 SSIII SA Fixture  192 SSIII CA Fixture 

196 SSIII BA Fixture  200 Simple Mount  200 Cover Screw  201 Closing Screw  202 Healing Abutment 






205 Solid Abutment  206 Solid Protect Cap  206 Solid Retraction Cap  207 Solid Impression Coping  207 Solid Lab Analog 

207 Solid Burn-out Cylinder  208 Excellent Solid Abutment  209 Excellent Solid Protect Cap  209 Excellent Solid Retraction Cap  210 Excellent Solid Impression Coping 

210 Excellent Solid Lab Analog  210 Excellent Solid Burn-out Cylinder  213 ComOcta Abutment  214 ComOcta Protect Cap  214 ComOcta Retraction Cap 






214 ComOcta Impression Coping  214 ComOcta Lab Analog  215 Fixture Pick-up Impression Coping  216 Fixture Transfer Impression Coping  216 Fixture Lab Analog 

218 ComOcta Plus Abutment  220 ComOcta Plus ID Abutment  222 ComOcta Milling Abutment  223 ComOcta Gold Abutment  224 ComOcta NP-Cast Abutment 

225 ComOcta Temporary Abutment  226 OneFit Abutment  226 Scan Body  227 Pre-Milled Abutment  228 ComOcta Angled Abutment 

231 Octa Abutment  232 Octa Protect Cap  232 Octa Gold Cylinder  232 Octa Combination Cylinder  233 Octa Temporary Cylinder 

233 Octa Plastic Cylinder  234 Octa Pick-up Impression Coping  234 Octa Transfer Impression Coping  234 Octa Lab Analog  237 O-ring Abutment 




238 O-ring Retainer Cap Set  238 O-ring Retainer Set  238 O-ring Set  238 O-ring Lab Analog  239 Locator® Abutment 






240 Locator® Male Processing Kit  240 Locator® Replacement Male  240 Locator® Extended Replacement Male  241 Locator® Black Processing Male  241 Locator® Block Out Spacers 






241 Locator® Impression Coping  241 Locator® Lab Analog  242 Locator® Core Tool  242 Locator® Torque Driver  243 OneSeal 

US SYSTEM Contents






248 USII SA Fixture  250 USII CA Fixture  252 USIII SA Fixture  254 USIII CA Fixture  256 USIV SA Fixture 

288 Esthetic-low Gold Cylinder  288 Esthetic-low Plastic Cylinder  289 Esthetic-low Temporary Cylinder Standard Type  289 Esthetic-low Temporary Cylinder Narrow Type  290 Esthetic-low Pick-up Impression Coping 

258 Simple Mount  258 Cover Screw  258 Headless Cover Screw  259 Healing Abutment  251 Cement Abutment 

290 Esthetic-low Transfer Impression Coping  290 Esthetic-low Lab Analog  291 Esthetic-low Polishing Protector  292 Multi Angled Abutment  295 O-ring Abutment 

254 Cement ID Abutment  267 Angled Abutment  269 UCLA Gold Abutment  270 UCLA NP-Cast Abutment  271 UCLA Plastic Abutment 






296 O-ring Retainer Cap Set  296 O-ring Retainer Set  296 O-ring Set  296 O-ring Lab Analog  297 Locator® Abutment 






272 UCLA Temporary Abutment  273 Fixture Pick-Up Impression Coping  274 Fixture Transfer Impression Coping  275 Fixture Lab Analog  275 UCLA Polishing Protector 

298 Locator® Male Processing Kit  298 Locator® Replacement Male  298 Locator® Extended Replacement Male  299 Locator® Black Processing Male  299 Locator® Block Out Spacers 

276 OneFit Abutment  277 Scan Baby  278 Pre-Milled Abutment  279 Safe Abutment  282 Esthetic Abutment 

299 Locator® Impression Coping  299 Locator® Lab Analog  300 Locator® Core Tool  300 Locator® Torque Driver  301 OneSeal 

283 Esthetic Healing Cap  283 Esthetic Gold Cylinder  283 Esthetic Plastic Cylinder  284 Esthetic Temporary Cylinder  284 Esthetic Pick-up Impression Coping 

285 Esthetic Transfer Impression Coping  285 Esthetic Lab Analog  285 Esthetic Polishing Protector  286 Esthetic-low Abutment  288 Esthetic-low Healing Cap 





















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MS SYSTEM Contents

304 MS SA Implant Narrow Ridge		305 Impression Coping (Narrow Ridge)		305 Temporary Cap		305 Lab Analog		305 Burn-out Cylinder	
306 MS SA Implant Denture		307 O-ring Retainer Cap Set		307 O-ring Set		307 O-ring Lab Analog (Denture)		308 MS Implant Provisional	
309 Provisional Cap		309 Lab Analog		310 MS KIT		311 Drill for MS Implant		311 Driver for Narrow Ridge & Provisional Type	
312 Driver for Denture Type		312 Gauge for MS Implant		312 Torque Driver Handle		313 Driver Separator		313 MS Removal Tool	

OS SYSTEM Contents

318 OrthAnchor Simple Head		320 OrthAnchor Through Hole		322 OrthAnchor Small Head		323 OrthAnchor Bracket Head		324 OrthAnchor Simple Head Half Etched	
326 OrthAnchor Through Hole Half Etched		328 Ortho KIT		329 Drill		329 Universal Handle		329 Driver Tip	
330 Hand Drill		330 Driver Handle		330 Hand Driver		331 Machine Driver		332 ORP KIT	
333 Perforation Drill (Handle)		333 Perforation Drill (e-Driver)		334 Perforation Drill (Engine)		334 Drill		335 Universal Handle	
335 Driver Tip		335 Hand Drill		336 Driver Handle		336 Hand Driver		336 Machine Driver	
337 Removal Tool (Handle)		337 Removal Tool (Engine)		338 e-Driver		338 e-Driver Plus		339 V-ceph	

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342 One Guide KIT	343 Tissue Punch	343 Flattening Drill	344 Initial Drill	344 Initial Drill (Short type)	375 MS Narrow Ridge Fixture Driver	376 Fixture Driver (TS)	376 Fixture Driver (TS, Stopper Type)	376 Adapter	377 Driver Separator
344 OneGuide Twist Drill (Ø2.2)	345 OneGuide Drill	346 OneGuide Taper Cortical Drill	346 NoMount Driver	347 Fixture Driver	377 OneMS Path Drill	377 OneMS Lance Drill	380 One CAS KIT	381 OneCAS Twist Drill (Ø2.2)	381 OneCAS Drill
347 Fixture Driver (Stopper type)	347 OneGuide SS NoMount Driver	348 OneGuide SS Fixture Driver	349 OneGuide US NoMount Driver	349 OneGuide US Fixture Driver	382 OneCAS Stopper	382 Depth Gauge	383 Hydraulic Membrane Lifter	383 Bone Carrier Head	383 Bone Carrier
350 OneGuide KS NoMount Driver	350 OneGuide KS Fixture Driver	351 OneGuide Path Drill	351 Anchor Drill	351 Mount Driver (OneGuide Anchor Driver)	384 One485 KIT	385 One485 Twist Drill	385 One485 Pilot Drill	386 One485 Drill	390 Denture 4U KIT
352 Anchor Screw	352 OneGuide Twist Drill	352 OneGuide Bone Anchor	353 OneGuide Fixture Anchor	353 CT Checker	391 Denture 4U Guide	391 Posterior Guide	391 Crest Remover	392 Anchor Screw	392 Anchor Drill
353 OneGuide Reamer Drill	364 OneGuide Accessory KIT	366 One Positioning KIT	372 OneMS KIT	373 Tissue Punch	392 Guided Initial Drill	393 Twist Drill	393 Countersink	393 Indicator	393 Path Checker
373 Flattening Drill	374 OneMS Drill	374 OneMS Cortical Drill	375 MS Narrow Ridge NoMount Driver	375 NoMount Driver (TS)	394 Simple Mount Driver	394 Multi Abutment Machine Driver	394 Multi Abutment Outer Driver	396 Positioning Guide KIT	397 Positioning Guide Full KIT

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KIT Contents 2/4

398 Guide Drill	398 Single Guide	398 Guide Pin (Fixture)	399 Guide Pin	399 Bridge Guide	432 123 Ultra Twist Drill	433 Parallel Pin (123 Drill)	433 Trial Pin (Ultra-wide)	440 New Hanaro KIT	442 Twist Drill (Stopper Drill)
399 Multi Joint Handle	399 Denture Guide	400 L-wrench	400 Distance Setup Pin	401 Smart Guide KIT	442 Twist Drill (Non stopper Drill)	443 Long Shank Pilot Drill	443 Cortical Drill 2 (TSII, SSII SA)	443 Cortical Drill 3 (Taper Fixture TSIII, SSIII, USIII, KSIII)	443 Countersink (USIII, USII SA, USIII SA Wide PS, Wide)
402 Smart Guide	402 Twist Drill	402 X Sleeve	403 Twist Drill (Ø2.2)	403 Guide Pin	444 Straight Fixture Tap (TSII, USII, SSII SA)	444 Parallel Pin	446 Ultra KIT	447 Direct Drill	447 Cortical Drill (Ultra-wide)
404 122 Taper KIT	405 122 Taper Full KIT	406 122 Taper Drilli	406 Cortical Drill (Ultra-wide)	407 Parallel Pin (122 Taper Drill)	447 Trial Pin (Ultra-wide)	458 485 KIT	459 485 Drill	462 123 Guide Drill	462 Lance Drill (Guide Drill)
414 Taper KIT	415 Taper Ultra KIT	416 Taper Drill	416 Taper Cortical Drill (Taper Fixture TSIII, SSIII, USIII)	417 Taper Ultra Drill	462 Sidecut Drill	463 Drill Extension	463 TS NoMount Driver	463 SS NoMount Driver	464 US NoMount Driver
417 Cortical Drill (Ultra-wide)	417 Parallel Pin (Taper Drill)	418 Tapered Fixture Tap (Taper Fixture TSIII, USIII, SSIII SA)	426 123 Straight Simple KIT	427 123 Twist Drill	464 KS NoMount Driver	464 TS NoMount Torque Driver	465 SS NoMount Torque Driver	465 TS Fixture Driver	465 SS Fixture Driver
427 123 Drill Stopper	428 123 Cortical Drill	430 123 Straight KIT	431 123 Straight Full KIT	432 123 Twist Drill (Stopper Drill)	466 US Fixture Driver	466 KS Fixture Driver	466 Torque Extension	467 Simple Mount Driver	467 Simple Mount Extension

















































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467 Simple Open Wrench		468 Removal Tool (Fixture Mount)		468 Depth Gauge		468 Positioning Guide		468 Tissue Height Gauge (TS)		481 Osstem Torque Driver		481 Path Probe (TS)		481 Path Probe (KS)		482 Torque Connector		482 Machine Driver Connector	
469 Ratchet Wrench		469 L-Wrench		469 Torque Wrench (Spring Type)		469 Torque Wrench (Bar Type)		470 Torque Wrench Set		482 Driver Handle		482 Finishing Reamer Set		483 Reamer Bite		483 Reamer Tip (Rigid Abutment)		483 Reamer Tip (Solid, Excellent Solid Abutment)	
470 Tissue Punch		471 Bone Profiler (TS)		471 Bone Profiler (US)		472 Trepine Drill		472 Machine Driver Handle		484 CAS KIT		485 CAS Drill		485 Guide Drill		485 Twist Drill (Ø 2.2)		486 Hydraulic Membrane Lifter Set	
472 Bone Mill		473 Anterior Hand Driver (Implant)		473 Torque Handle		474 Prosthetic Simple KIT		475 Prosthetic KIT		486 Stopper		486 Bone Carrier		486 Bone Carrier Head		487 Bone Condenser		487 Hydraulic Membrane Lifter Tube	
476 Hand Driver		476 Machine Screw Driver		477 Torque Driver		477 Angled Torque Driver		477 Repair Torque Driver		487 Membrane Lifter		488 Depth Gauge		488 Bone Spreader		488 Y- Connector		490 LAS KIT	
478 Solid Abutment Driver		478 O-ring Abutment Driver		478 Rigid Outer Driver		479 Excellent Solid Abutment Driver		479 Octa Abutment Driver		491 LAS Full KIT		492 Dome Drill		492 Core Drill		492 Side Wall Drill		493 Bone Separator	
480 Multi Abutment Machine Driver		480 Abutment Holder		480 Abutment Positioning Driver		480 Multi Abutment Outer Driver		481 Locator® Torque Driver		493 Stopper		494 ESSET KIT		495 Crest Remover		495 Twist Drill		495 Saw	

















































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496 Expansion Drill 	496 Mount Extension 	496 EXP Mount Driver 	497 Saw Protector 	497 Torque Wrench 	516 Torque Extension 	517 Torque Wrench 	517 Fixture Wrench 	518 Dr.Cho's instrument KIT 	519 Osstem Basic instrument KIT 
497 Depth Gauge 	498 IM-Cure KIT 	499 Metal Probe 	499 Plastic Probe 	499 Curette 	522 Custom KIT 	523 Healing Case 	524 Osteo KIT 	525 Osteotome KIT 	526 Sinus KIT 
500 Protect Screw 	500 Smart Brush 1 	500 Smart Brush 2 	501 Metal Scaler 	501 Plastic Scaler Connector 	527 Bone Spreader KIT 	528 Ridge Split KIT Straight 	529 Ridge Split KIT Offset 		
501 Plastic Scaler Tip 	502 ESR KIT 	503 ESR Full KIT 	504 Guide 	507 Reverse Drill 					
507 Screw Removal Drill (SR Drill) 	507 Torque Driver Handle 	508 Reverse Driver 	508 Screw Removal Tip (SR Tip) 	508 Screw Holder 					
509 Re-tap 	509 ESR Handle 	509 Abutment Removal Tip (AR Tip) 	510 Slot Driver 	510 Transfer Abutment Separate Tool 					
512 EFR KIT 	513 EFR Full KIT 	514 Remover Screw 	516 Screw Driver 	516 Remover Body 					

GBR & Dental Material Contents

532 Resorbable Membrane OssMem Soft		532 Resorbable Membrane OssMem Hard		535 Builder Type OB2		536 OssBuilder OB3		537 Healing Cap (TS)		561 Dental Local Anesthetics 3M Xylestesin		561 SlowJec		562 SlowJec Plus		563 AIC Consulting Model 1 st		563 AIC Consulting Model 2 nd	
537 Cover Cap (TS)		537 OB Anchor (TS)		538 Healing Cap (US)		538 Cover Cap (US)		538 OB Anchor (US)		563 AIC Consulting Model 3 rd		564 AIC Consulting Model 4 th		565 Xenograft The Graft		566 Allograft Rafugen DBM		566 Allograft CGAllo- Bone	
539 Tenting Screw		539 Defect Gauge		540 OssBuilder KIT		541 Tenting Screw Drill		541 Stopper		567 Magic Magic4		568 Magic Magic Denture		568 Magic Magic Align					
542 AutoBone Collector		542 Stopper		542 Bone Ejector		543 Membrane Fixation Screws Bone Screw		544 Membrane Fixation Screws Bone Tack											
546 GBR KIT		547 Bone Screw Driver Tip (Handle)		547 Universal Handle		547 Bone Screw Driver (Engine)		547 Ø1.3 Drill											
548 Bone Tack Holder		548 Bone Tack Ejector		550 Impression Materials HySil		554 Impression Materials SuFlex		556 Impression Materials Ivoclar Vivadent Virtual®											
556 Impression Materials Ivoclar Vivadent Virtual® 380		557 Impression Materials HyMix		558 Impression Materials Accessory		560 Dental Local Anesthetics Lidocaine		560 Dental Local Anesthetics Articaine											

Dental Equipment Contents

572 TRIOS 3 - WIRELESS POD TYPE 	572 TRIOS 3 - POD TYPE 	572 TRIOS 3 Move+ 	573 TRIOS 3 POD - BASIC 	573 TRIOS 4 WIRELESS POD 	596 OneMill4X Cutting Oil 	598 Estar-G Press 	600 O2-Printer 3D Printing Materials 	601 OneJet 3D Printing Materials 	602 SM5 
573 TRIOS 4 Move+ 	574 Design Studio 	574 Implant Studio 	574 Clear Aligner Studio (T) 	575 Indirect Bonding Studio 	602 SURGmatic S201L 	602 SURGmatic S11L 	603 SM3 	603 S200EL 	604 Osstem Torque II 
575 Ortho System Premium 	576 OneMill 4X 	576 OneMill 5X 	576 O2-M4 	577 O2- FURNACE2 					
577 Programat P310 (Ivoclar) 	578 O2- Printer 	578 Curing box 	578 Material mixer 	579 OneJet DLP 					
579 OneCure 	580 Estar-Z T 	580 Estar-Z ST 	584 Estar-Z HT 	587 Zir.R 					
588 Multi ZIR 	589 Zirmon / Zircen 	590 IPS e.max CAD 	591 IPS Empress CAD 	592 Enamic 					
593 MAZIC Duro (Disk) 	593 MAZIC Duro (Block) 	594 PMMA (Disk) 	594 PMMA (Block) 	595 WAX 					

OSSTEM[®]
IMPLANT



KS SYSTEM

FIXTURE

- 040** KSIII BA Fixture
- 042** Simple Mount
- 042** Cover Screw
- 043** Healing Abutment

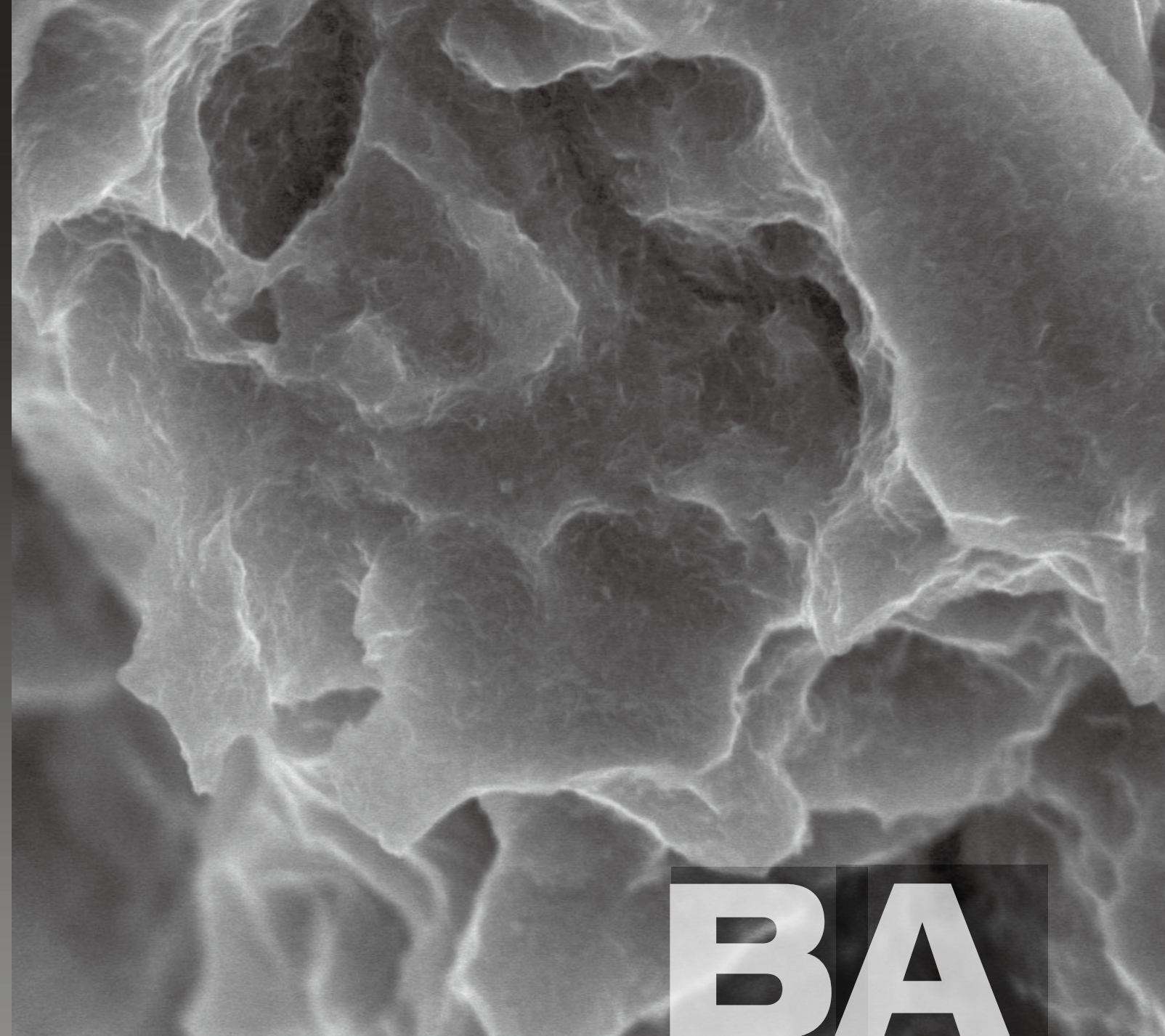
COMPONENTS

- 046** PROSTHETIC FLOW DIAGRAM 1
- 047** Rigid Abutment
- 050** Transfer Abutment
- 058** PROSTHETIC FLOW DIAGRAM 2
- 059** Angled Abutment
- 061** FreeForm ST Abutment
- 063** GoldCast Abutment
- 064** NP-Cast Abutment
- 065** Pre-Milled Abutment
- 067** Link Abutment for Public
- 068** Link Abutment for Cerec
- 070** Temporary Abutment
- 072** PROSTHETIC FLOW DIAGRAM 3
- 073** Multi Abutment
- 074** Multi Angled Abutment
- 075** Stud Abutment
- 076** Port Angled Abutment

KS Design & Surface Feature



KS



BA



KS packaging color information

Next-generation submerged type implant with an Internal hex 15° tapered connection structure

- Connection - **Regular only** (2.1 hex single platform)
 - Strength intensified due to a narrower and deeper connection
 - Reduced prosthetic errors and inventory burden with no variation of the product (Mini/Regular)
- Abutment holding system applied to enable screw fastening with one hand
- Excellent initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy insertion path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Available surface types - BA

Premium low crystalline nano-HA coated SA surface

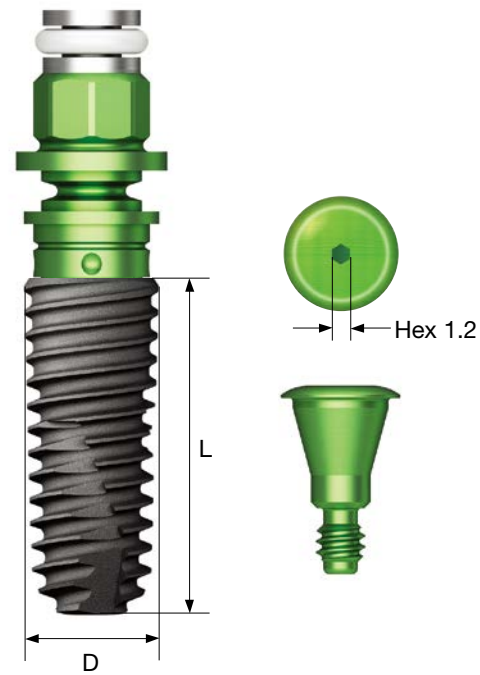
- 10nm Ultra-thin HA coating
- SA surface (Ra 2.0-3.011 μ m) coated with HA
- Dual functions of titanium and HA
 - HA is naturally resorbed during ossification

In-vitro and In-vivo Bone Response

- Advantages of both SA and HA surfaces
 - SA's ability to maintain an optimal surface
 - HA's ability to form high quality initial bone even in bone of poor quality
- Ossification (BIC) improved by 26% compared to SA surfaces
- Applicable to all types of bone quality

KSIII BA Fixture 10.2019

- Next-generation submerged type implant with an Internal hex 15° tapered connection structure
- Connection : Regular only (2.1 hex single platform)
 - Strength intensified due to a narrower and deeper connection
 - Reduced prosthetic errors and inventory burden with no variation of the product (Mini/Regular)
- Abutment holding system applied to enable screw fastening with one hand
- Excellent initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region



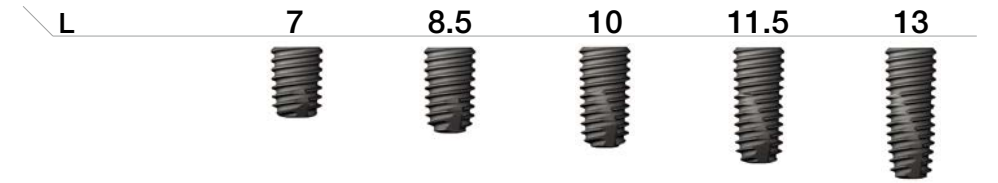
NoMount Fixture (fixture + cover screw) order code

: **C** + fixture product code (ex : **CKS3S4010B**)

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

: **B** + fixture product code (ex : **BKS3S4010B**)

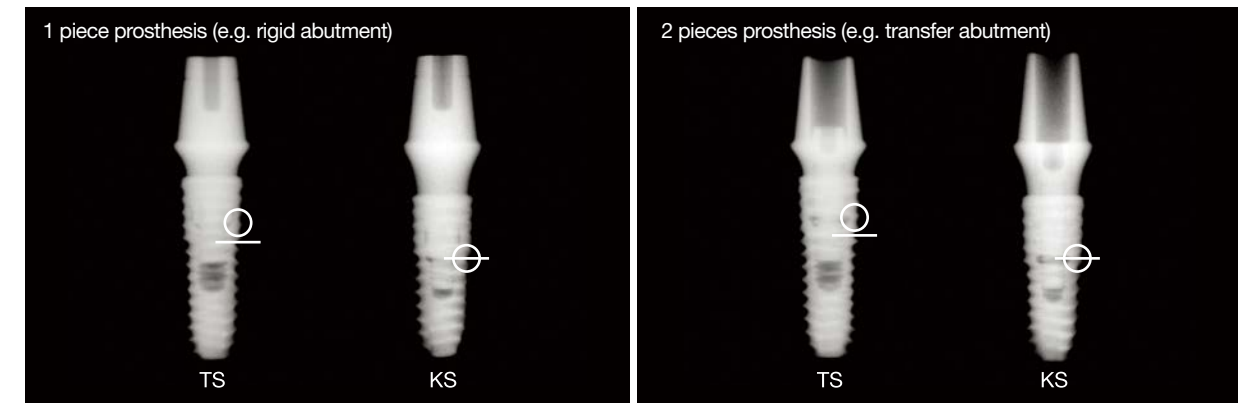
D Ø5.0
Hex 2.1



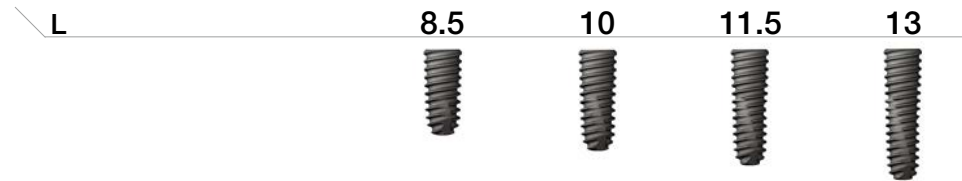
KS3S5007B KS3S5008B KS3S5010B KS3S5011B KS3S5013B

Distinction of TS and KS on radiographs

If the empty space at the bottom of the abutment coincides with the beginning of the small thread, it is KS.

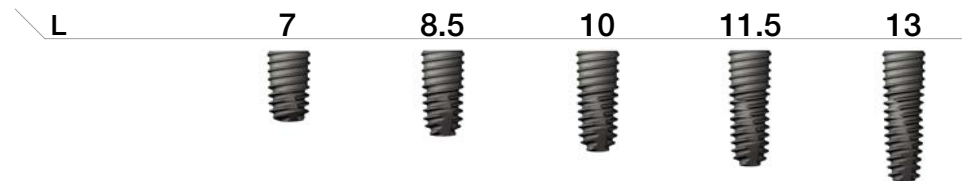


D Ø3.5
Hex 2.1



KS3S3508B KS3S3510B KS3S3511B KS3S3513B

D Ø4.0
Hex 2.1



KS3S4007B KS3S4008B KS3S4010B KS3S4011B KS3S4013B

D Ø4.5
Hex 2.1



KS3S4507B KS3S4508B KS3S4510B KS3S4511B KS3S4513B

Nominal diameter may differ from actual diameter.

Mount & Screw

Simple Mount

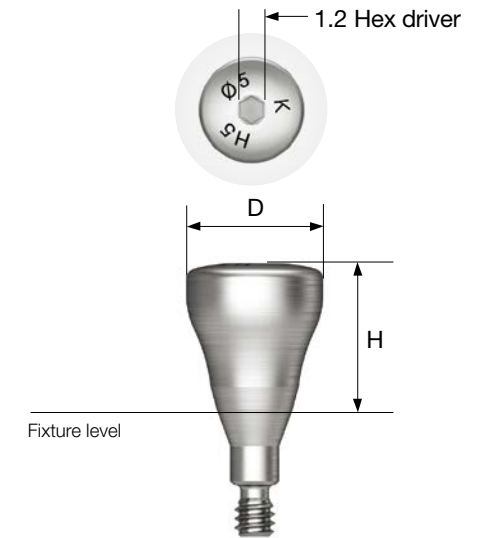
- Hex driver : 1.2
- Recommended tightening torque : 8~10Ncm
- Dedicated simple mount used for Ø3.5 fixture
- Packing unit : Mount + Mount Screw
- ※ Disposable, Do not reuse

For
Ø3.5



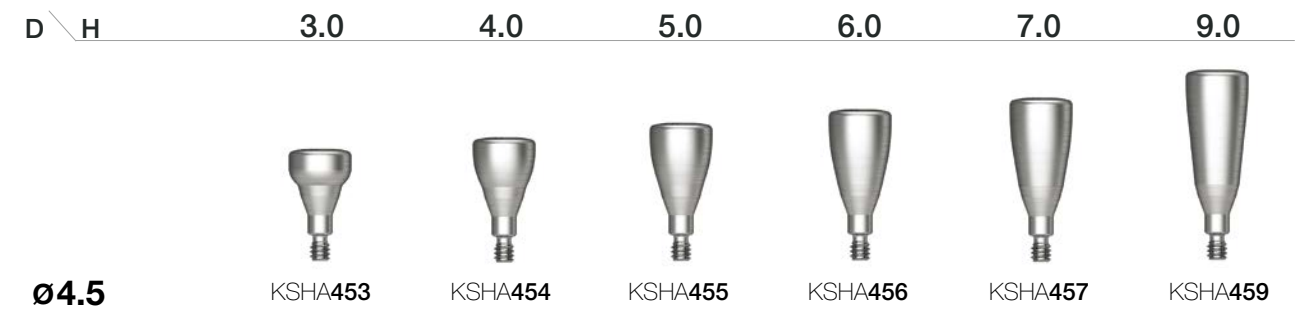
Healing Abutment

- Hand tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened



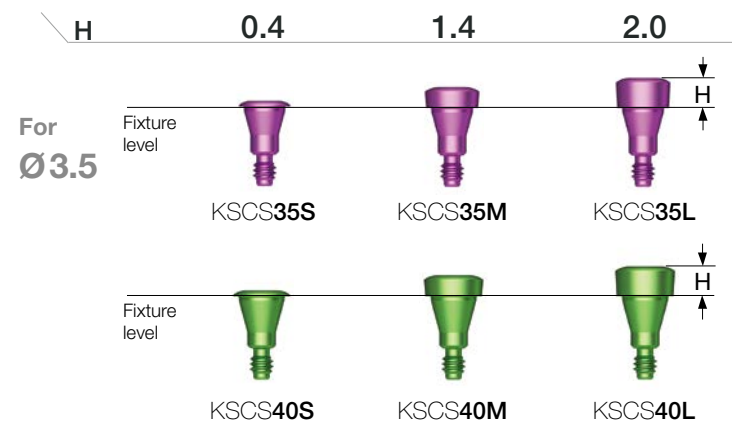
Matching table

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









Cover Screw

- Height (H) selected according to the depth of fixture placement
- Dedicated cover screw used for Ø3.5 fixture
- Hand tightened with 1.2 hex driver




Healing Abutment

D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø5.0	 KSHA503	 KSHA504	 KSHA505	 KSHA506	 KSHA507	 KSHA509

D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø6.0	 KSHA603	 KSHA604	 KSHA605	 KSHA606	 KSHA607	 KSHA609

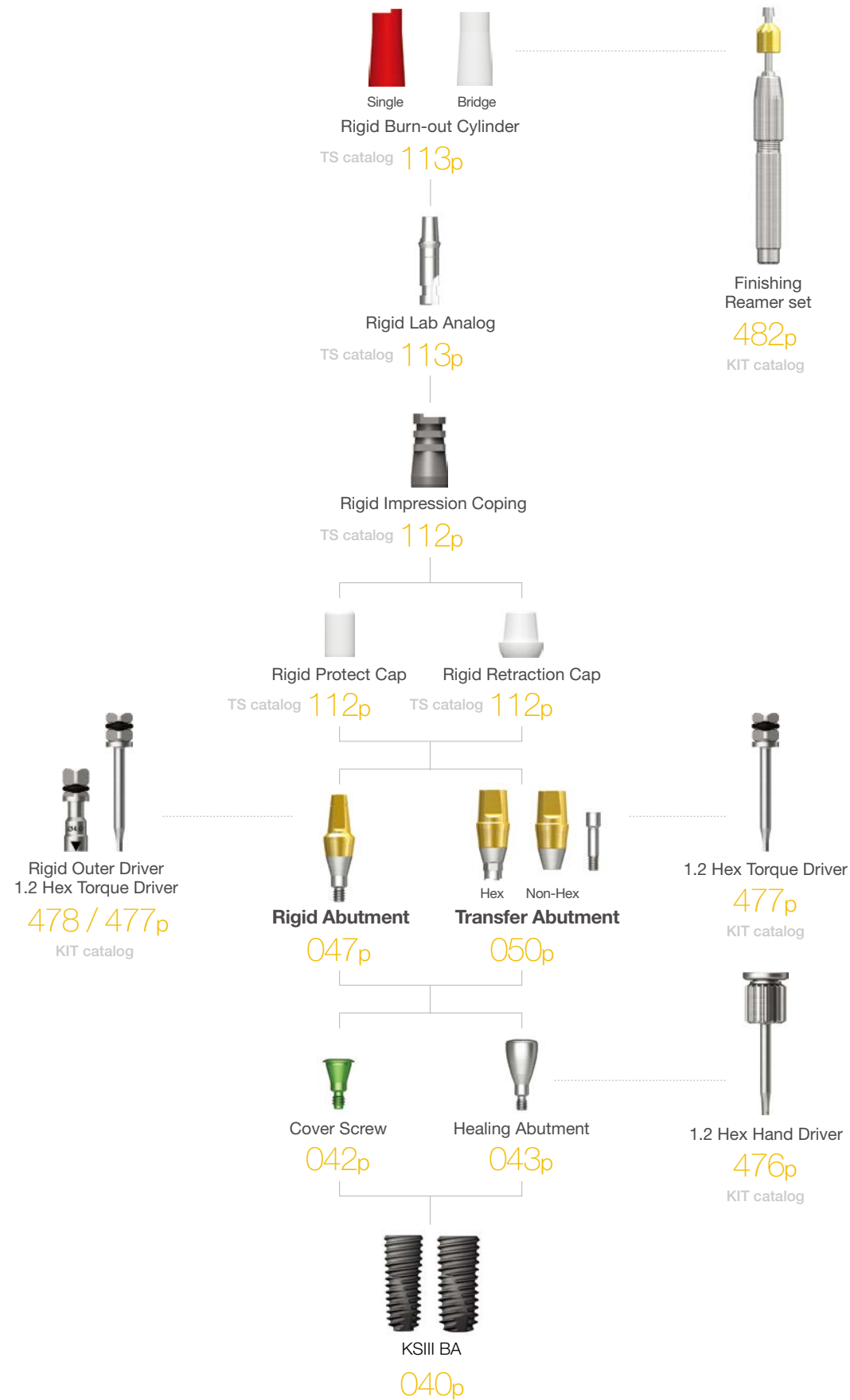
D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø7.0	 KSHA703	 KSHA704	 KSHA705	 KSHA706	 KSHA707	 KSHA709

D \ H	3.0	4.0	5.0	6.0	7.0	9.0
Ø8.0	-	-	 KSHA805	-	-	-

OSSTEM[®]
IMPLANT

Rigid / Transfer

Abutment Level Impression



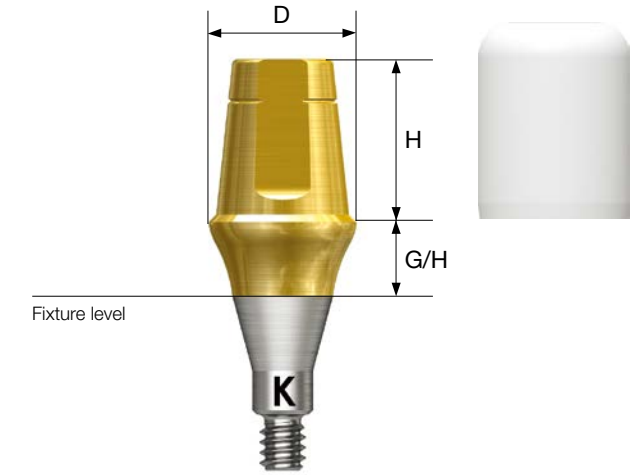
Rigid Abutment

- Abutment for producing cement-retained prosthesis
- Abutment level impression
- Ø4.0 : tightened with outer driver (code : ORDML/ORDMS)
- Ø4.5/5.0/6.0 : tightened with outer driver or 1.2 hex driver
- Ø7.0: tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Protect cap

Abutment + Protect cap order code
: product code + P (ex : KSRA5620P)



KS products are marked with "K".



D Ø4.0



H \ G/H	1.0	2.0	3.0	4.0	5.0
4.0	KSRA4410	KSRA4420	KSRA4430	KSRA4440	KSRA4450
5.5	KSRA4610	KSRA4620	KSRA4630	KSRA4640	KSRA4650
7.0	KSRA4710	KSRA4720	KSRA4730	KSRA4740	KSRA4750

D Ø4.5








H \ G/H	1.0	2.0	3.0	4.0	5.0
4.0	KSRA4411	KSRA4421	KSRA4431	KSRA4441	KSRA4451
5.5	KSRA4611	KSRA4621	KSRA4631	KSRA4641	KSRA4651
7.0	KSRA4711	KSRA4721	KSRA4731	KSRA4741	KSRA4751

Rigid Abutment

D Ø5.0



H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	KSRA5410	KSRA5420	KSRA5430	KSRA5440	KSRA5450
5.5	KSRA5610	KSRA5620	KSRA5630	KSRA5640	KSRA5650
7.0	KSRA5710	KSRA5720	KSRA5730	KSRA5740	KSRA5750

D Ø6.0



H \ G/H	1.0	2.0	3.0	4.0	5.0
					
4.0	KSRA6410	KSRA6420	KSRA6430	KSRA6440	KSRA6450
5.5	KSRA6610	KSRA6620	KSRA6630	KSRA6640	KSRA6650
7.0	KSRA6710	KSRA6720	KSRA6730	KSRA6740	KSRA6750

OSSTEM[®]
IMPLANT

D Ø7.0

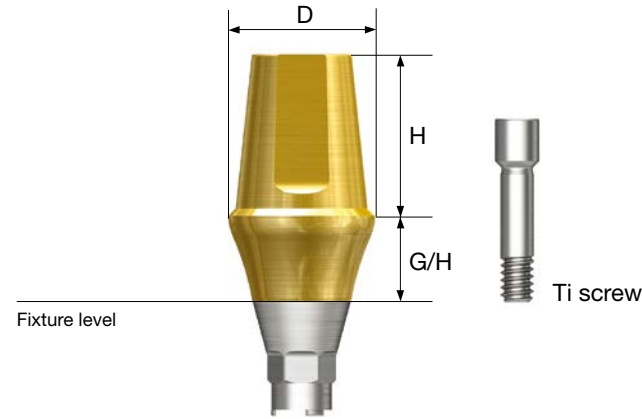


H \ G/H	1.0	2.0	3.0	4.0	5.0
					
5.5	KSRA7610	KSRA7620	KSRA7630	KSRA7640	KSRA7650

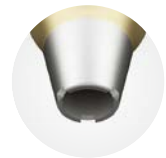
Transfer Abutment

- Abutment for producing cement-retained/combination prosthesis
- Fixture level impression
- Abutment level impression possible by rigid impression coping (except Ø4.0)
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : KSTA4621TH)



KS products have a cylinder and a slot at the bottom.



KS non-hex products have a slot at the bottom.

D Ø4.0



		H \ G/H	1.0	2.0	3.0	4.0	5.0
Hex	4.0						
	5.5		KSTA4612	KSTA4622	KSTA4632	KSTA4642	KSTA4652
	7.0		KSTA4712	KSTA4722	KSTA4732	KSTA4742	KSTA4752
Non-Hex	4.0						
	5.5		KSTA4612N	KSTA4622N	KSTA4632N	KSTA4642N	KSTA4652N
	7.0		KSTA4712N	KSTA4722N	KSTA4732N	KSTA4742N	KSTA4752N

D Ø4.5



		H \ G/H	1.0	2.0	3.0	4.0	5.0
Hex	4.0						
	5.5		KSTA4611	KSTA4621	KSTA4631	KSTA4641	KSTA4651
	7.0		KSTA4711	KSTA4721	KSTA4731	KSTA4741	KSTA4751
Non-Hex	4.0						
	5.5		KSTA4611N	KSTA4621N	KSTA4631N	KSTA4641N	KSTA4651N
	7.0		KSTA4711N	KSTA4721N	KSTA4731N	KSTA4741N	KSTA4751N

D Ø5.0



		H \ G/H	1.0	2.0	3.0	4.0	5.0
Hex	4.0						
	5.5		KSTA5410	KSTA5420	KSTA5430	KSTA5440	KSTA5450
	7.0		KSTA5610	KSTA5620	KSTA5630	KSTA5640	KSTA5650
Non-Hex	4.0						
	5.5		KSTA5410N	KSTA5420N	KSTA5430N	KSTA5440N	KSTA5450N
	7.0		KSTA5610N	KSTA5620N	KSTA5630N	KSTA5640N	KSTA5650N

D Ø6.0



		H \ G/H	1.0	2.0	3.0	4.0	5.0
Hex	4.0						
	5.5		KSTA6410	KSTA6420	KSTA6430	KSTA6440	KSTA6450
	7.0		KSTA6610	KSTA6620	KSTA6630	KSTA6640	KSTA6650
Non-Hex	4.0						
	5.5		KSTA6410N	KSTA6420N	KSTA6430N	KSTA6440N	KSTA6450N
	7.0		KSTA6610N	KSTA6620N	KSTA6630N	KSTA6640N	KSTA6650N

D Ø7.0



		H \ G/H	1.0	2.0	3.0	4.0	5.0
Hex	4.0						
	5.5		KSTA7410	KSTA7420	KSTA7430	KSTA7440	KSTA7450
	7.0		KSTA7610	KSTA7620	KSTA7630	KSTA7640	KSTA7650
Non-Hex	4.0						
	5.5		KSTA7410N	KSTA7420N	KSTA7430N	KSTA7440N	KSTA7450N

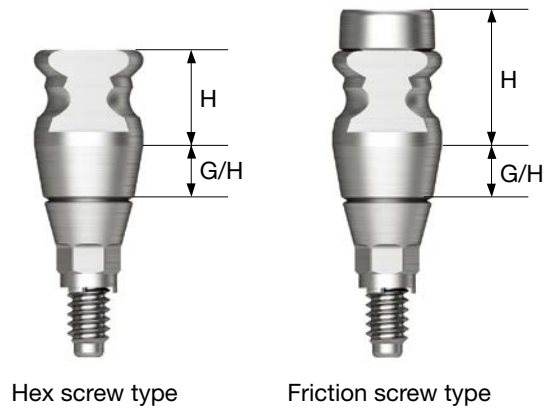
Transfer Abutment Components

Bite Impression Coping

- Components for fixture level impression taking
- Bite taking as well as impression taking
- Same basic usage as transfer impression coping
- Hand tightened with bite impression coping driver
- Hex screw type tightened with 1.2 hex driver and friction screw type tightened with bite impression coping driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened



KS products have a cylinder and a slot at the bottom.



Hex screw type

Friction screw type

Bite Impression Coping Driver

Hex Screw Type

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



OICDMH

Friction Screw Type

- Used for tightening and loosening of bite impression coping
- Dedicated driver for friction screw type



OICDM

D \ H	G/H	2.0	3.0	4.0	5.0
Ø 4.0	3.5	KSBIC4420H	KSBIC4430H	KSBIC4440H	KSBIC4450H
	5.5	KSBIC4620H	KSBIC4630H	KSBIC4640H	KSBIC4650H
Ø 4.5	3.5	KSBIC4421H	KSBIC4431H	KSBIC4441H	KSBIC4451H
	5.5	KSBIC4621H	KSBIC4631H	KSBIC4641H	KSBIC4651H
Ø 5.0	3.5	KSBIC5420H	KSBIC5430H	KSBIC5440H	KSBIC5450H
	5.5	KSBIC5620H	KSBIC5630H	KSBIC5640H	KSBIC5650H

D \ H	G/H	2.0	3.0	4.0	5.0
Ø 4.0	5.0	KSBIC4420	KSBIC4430	KSBIC4440	KSBIC4450
	7.0	KSBIC4620	KSBIC4630	KSBIC4640	KSBIC4650
Ø 4.5	5.0	KSBIC4421	KSBIC4431	KSBIC4441	KSBIC4451
	7.0	KSBIC4621	KSBIC4631	KSBIC4641	KSBIC4651
Ø 5.0	5.0	KSBIC5420	KSBIC5430	KSBIC5440	KSBIC5450
	7.0	KSBIC5620	KSBIC5630	KSBIC5640	KSBIC5650

Bite Index

- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Assembled to the fixture for check bite impression
- Hand tightened with 1.2 hex driver
- Packing unit : 2ea

D \ L	4.0	6.0	8.0	10.0	12.0
Ø 4.5	KSBI4504S	KSBI4506S	KSBI4508S	KSBI4510S	KSBI4512S
Ø 5.5	KSBI5504S	KSBI5506S	KSBI5508S	KSBI5510S	KSBI5512S

Transfer Abutment Components

Pick-up Impression Coping

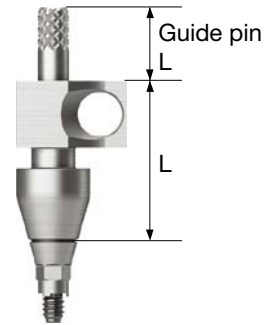
- Components for fixture level impression taking
- Using open tray
- Unique design that is stably fixed within the impression body
- Hand tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Packing unit : Impression coping body + Guide pin(*)



KS products have a cylinder and a slot at the bottom.



KS non-hex products have a slot at the bottom.



Transfer Impression Coping

- Components for fixture level impression taking
- Using closed tray
- Triangular arc structure for stable fastening and accurate repositioning
- Hand tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Packing unit
 - Hex : Impression coping body + Guide pin
 - Non-hex : Impression coping



KS products have a cylinder and a slot at the bottom.



D \ L	Type	11		Guide Pin			
		Hex	Non-Hex	0	5.0	10	15
Ø 4.0							
Ø 4.5							
Ø 5.0							
Ø 6.0							
Ø 7.0							

D \ L	Type	11		14	
		Hex	Non-Hex	Hex	Non-Hex
Ø 4.0					
Ø 4.5					
Ø 5.0					
Ø 6.0					
Ø 7.0					

D \ L	Type	16		Guide Pin		
		Hex	Non-Hex	0	5.0	10
Ø 4.0						
Ø 4.5						
Ø 5.0						
Ø 6.0						
Ø 7.0						

Transfer Abutment Components

Fixture Lab Analog

- Lab analog for fixture level impression
- Two types, each used for fixtures with a diameter of Ø3.5/4.0 or greater

For
Ø3.5



KSTLA350



KSTLA400

Laboratory Screw

- Lab screw: abutment screw for pore work
- Waxing screw : used for producing screw type abutment and transfer jig, by extending screw hole to the upper part

Lab Screw Waxing Screw



KSABSL



KSABSW

OSSTEM[®]
IMPLANT

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

Fixture Level Impression



Angled Abutment



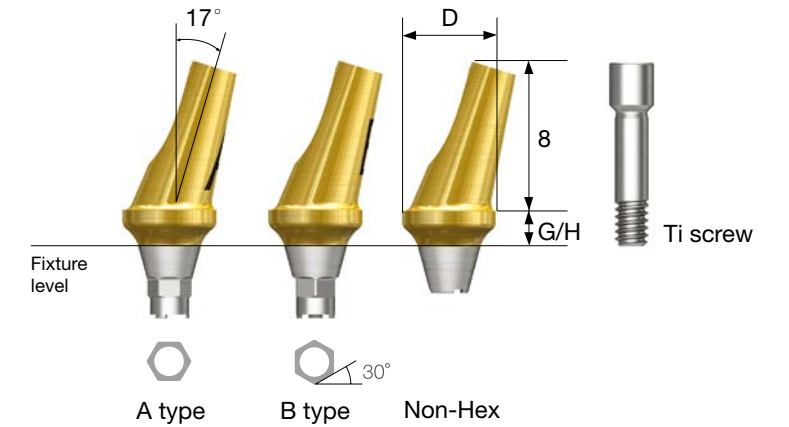
- Abutment for producing cement-retained/ combination prosthesis
- Fixture insertion angle compensated up to 23° without removal
- Fixture level impression
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : KSAA5020ATH)



KS products have a cylinder and a slot at the bottom.

KS non-hex products have a slot at the bottom.



D Ø4.0



G/H Type	2.0			4.0		
Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex	
KSAA4020A	KSAA4020B	KSAA4020N	KSAA4040A	KSAA4040B	KSAA4040N	

D Ø4.5



G/H Type	2.0			4.0		
Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex	
KSAA4520A	KSAA4520B	KSAA4520N	KSAA4540A	KSAA4540B	KSAA4540N	

059

KS SYSTEM

058

KS SYSTEM

Angled Abutment

D Ø5.0

G/H Type	2.0			4.0		
	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
						
	KSAA5020A	KSAA5020B	KSAA5020N	KSAA5040A	KSAA5040B	KSAA5040N

D Ø6.0

G/H Type	2.0			4.0		
	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
						
	KSAA6020A	KSAA6020B	KSAA6020N	KSAA6040A	KSAA6040B	KSAA6040N

FreeForm ST Abutment

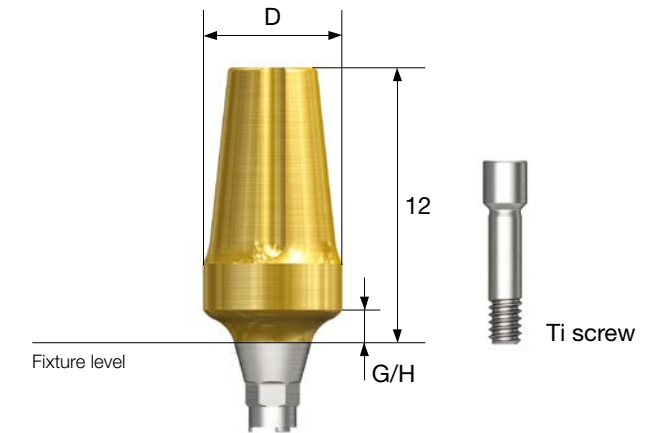
- Abutment for producing cement-retained/ combination prosthesis
- Used for adjusting the margin shape of abutment
- Fixture level impression
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : KSFA5015TH)



KS products have a cylinder and a slot at the bottom.

KS non-hex products have a slot at the bottom.



D Ø4.0



G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
				
	KSFA4015	KSFA4015N	KSFA4030	KSFA4030N

D Ø5.0 (Straight)



G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
				
	KSFAS5015	KSFAS5015N	KSFAS5030	KSFAS5030N

FreeForm ST Abutment

D Ø5.0



G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSFA5015	KSFA5015N	KSFA5030	KSFA5030N

D Ø6.0



G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSFA6015	KSFA6015N	KSFA6030	KSFA6030N

D Ø7.0



G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSFA7015	KSFA7015N	KSFA7030	KSFA7030N

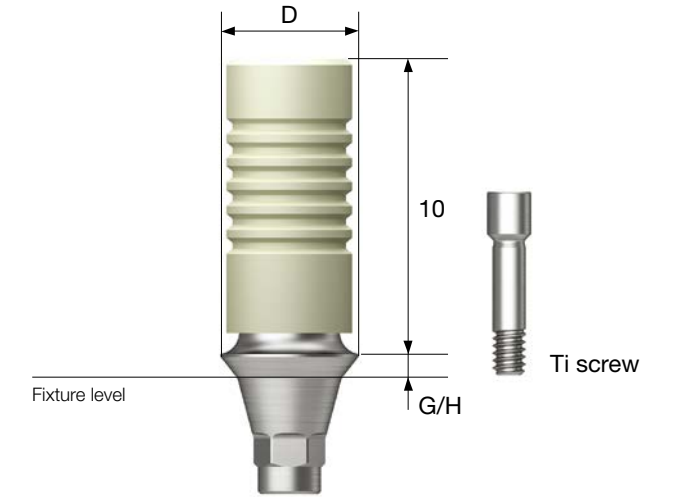
GoldCast Abutment

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with gold alloy
- Abutment melting temperature : 1,400~1,450°C
- Fixture level impression
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : KSGA4510STH)



KS products have a cylinder at the bottom.



D Ø4.0



G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSGA4010	KSGA4010N	KSGA4030	KSGA4030N

D Ø4.5



G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSGA4510	KSGA4510N	KSGA4530	KSGA4530N

063

KS SYSTEM

062

KS SYSTEM

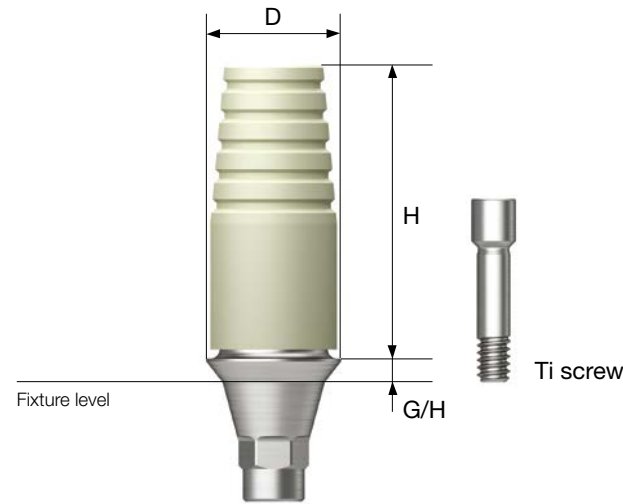
NP-Cast Abutment

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Abutment melting temperature : 1,400-1,550°C
- Fixture level impression
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + TH (ex : KSNA4510STH)



KS products have a cylinder at the bottom.



Pre-Milled Abutment

- Milling equipment for dental work to product custom abutment
- Easy identification of non-genuine products with the osstem authentication mark
- Excellent tightening precision compared to non-genuine products
- Dedicated line-up to various milling equipment (Milling manufacturers : Doowon, Vatech, Neo, Zirkonzahn, and Manix)
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + screw order code
: product code + TH (ex : KSPM10ARTH)



KS products have a cylinder and a slot at the bottom.

KS non-hex products have a slot at the bottom.



064

D Ø4.0



KS SYSTEM



D Ø4.5



065

KS SYSTEM

Equipment	D	Specifications	Code
Doowon ARUM Vatech imes-icore	Ø10	Hex	KSPM10AR
		Non-Hex	KSPM10ARN
Neo Cameleon	Ø10	Hex	KSPM10CA
		Non-Hex	KSPM10CAN
Zirkonzahn	Ø10	Hex	KSPM10ZK
		Non-Hex	KSPM10ZKN
Manix	Ø10	Hex	KSPM10MX
		Non-Hex	KSPM10MXN

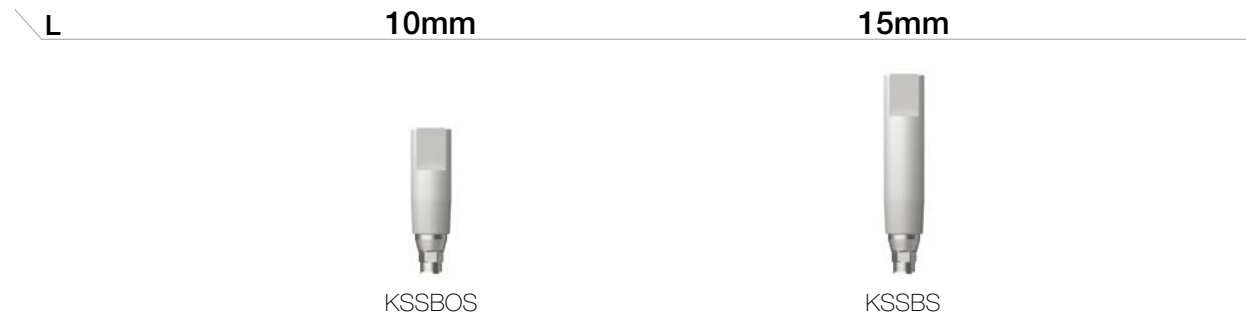
Scan Body

- For intraoral scan: short (10mm)
- For model scan: long (15mm)
- Tightened with 1.2 hex driver
- Packing unit : Scan body + Ti screw

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



KS products have a cylinder and a slot at the bottom.



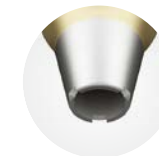
Link Abutment for Public

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Osstem's official implant library provided
- Fixture level impression
- Tightened with 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

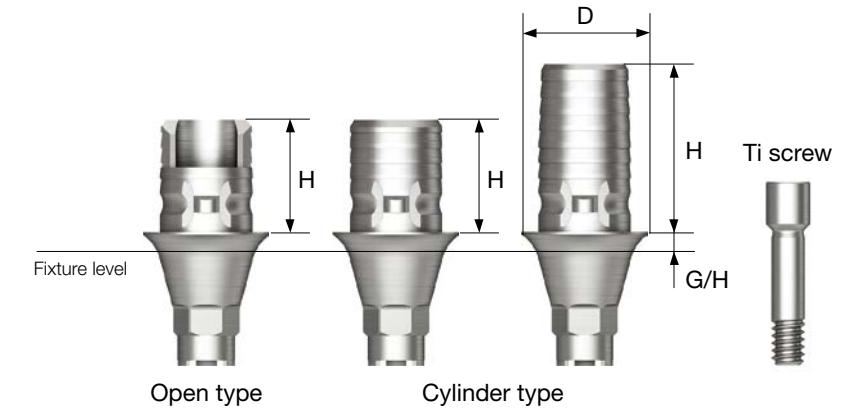
Abutment + screw order code
: product code + **TH** (ex : KSPL4041TH)



KS products have a cylinder and a slot at the bottom.



KS non-hex products have a slot at the bottom.



		D Ø4.0			
		H \ G/H Type			
		1.0	2.0	3.0	4.0
Hex	4.0 Open Type	KSPL4041	KSPL4042	KSPL4043	KSPL4044
	4.0 Cylinder Type	KSPL4041C	KSPL4042C	KSPL4043C	KSPL4044C
	6.0 Cylinder Type	KSPL4061	KSPL4062	KSPL4063	KSPL4064
Non-Hex	4.0 Open Type	KSPL4041N	KSPL4042N	KSPL4043N	KSPL4044N
	4.0 Cylinder Type	KSPL4041CN	KSPL4042CN	KSPL4043CN	KSPL4044CN
	6.0 Cylinder Type	KSPL4061N	KSPL4062N	KSPL4063N	KSPL4064N

		D Ø4.5			
		H \ G/H Type			
		1.0	2.0	3.0	4.0
Hex	4.0 Open Type	KSPL4541	KSPL4542	KSPL4543	KSPL4544
	4.0 Cylinder Type	KSPL4541C	KSPL4542C	KSPL4543C	KSPL4544C
	6.0 Cylinder Type	KSPL4561	KSPL4562	KSPL4563	KSPL4564
Non-Hex	4.0 Open Type	KSPL4541N	KSPL4542N	KSPL4543N	KSPL4544N
	4.0 Cylinder Type	KSPL4541CN	KSPL4542CN	KSPL4543CN	KSPL4544CN
	6.0 Cylinder Type	KSPL4561N	KSPL4562N	KSPL4563N	KSPL4564N

Link Abutment for Cerec

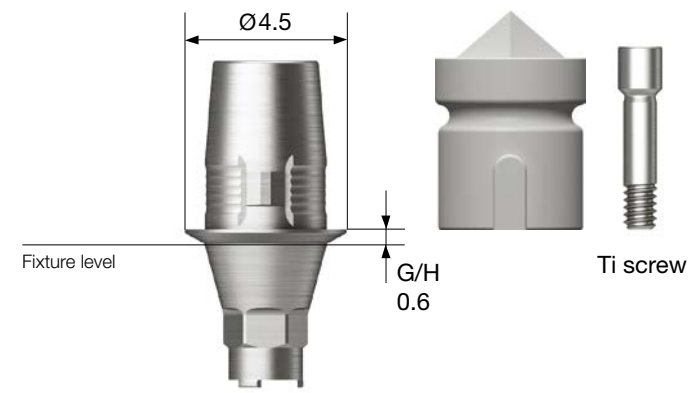
- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with Cerec CAD/CAM equipment
- Tightened with 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw + Scan body

Abutment + screw + scan body order code
: product code + **TH** (ex : KSCTB**TH**)



KS products have a cylinder and a slot at the bottom.

KS non-hex products have a slot at the bottom.



Scan Post

- Used for the scan body of cerec link abutment with little vertical exposure
(If the fixture deeply inserted or the soft tissue is thick)
- Scanning by connecting the dedicated scan body for cerec link abutment
- Tightened with 1.2 hex driver
- Packing unit : Scan post + Ti screw

Scan post + screw order code
: product code + **TH** (ex : KSCSP**TH**)



Type	Hex	Non-Hex
		
	KSCTB	KSCTBN

Temporary Abutment

- Abutment for producing cement-retained/ screw-retained prosthesis
- Removed and used for producing temporary prosthesis (Ti Gr-3)
- Fixture level impression
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 20Ncm
- Packing unit : Abutment + Ti screw

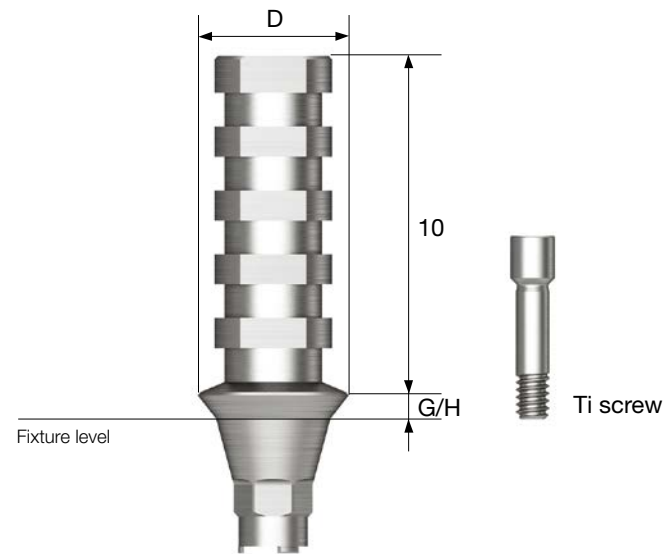
Abutment + Ti screw order code
: product code + **TH** (ex : KSTTA4510**TH**)



KS products have a cylinder and a slot at the bottom.



KS non-hex products have a slot at the bottom.



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IMPLANT

070

D Ø4.0



KS SYSTEM

G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSTTA4010	KSTTA4010N	KSTTA4030	KSTTA4030N

071

KS SYSTEM

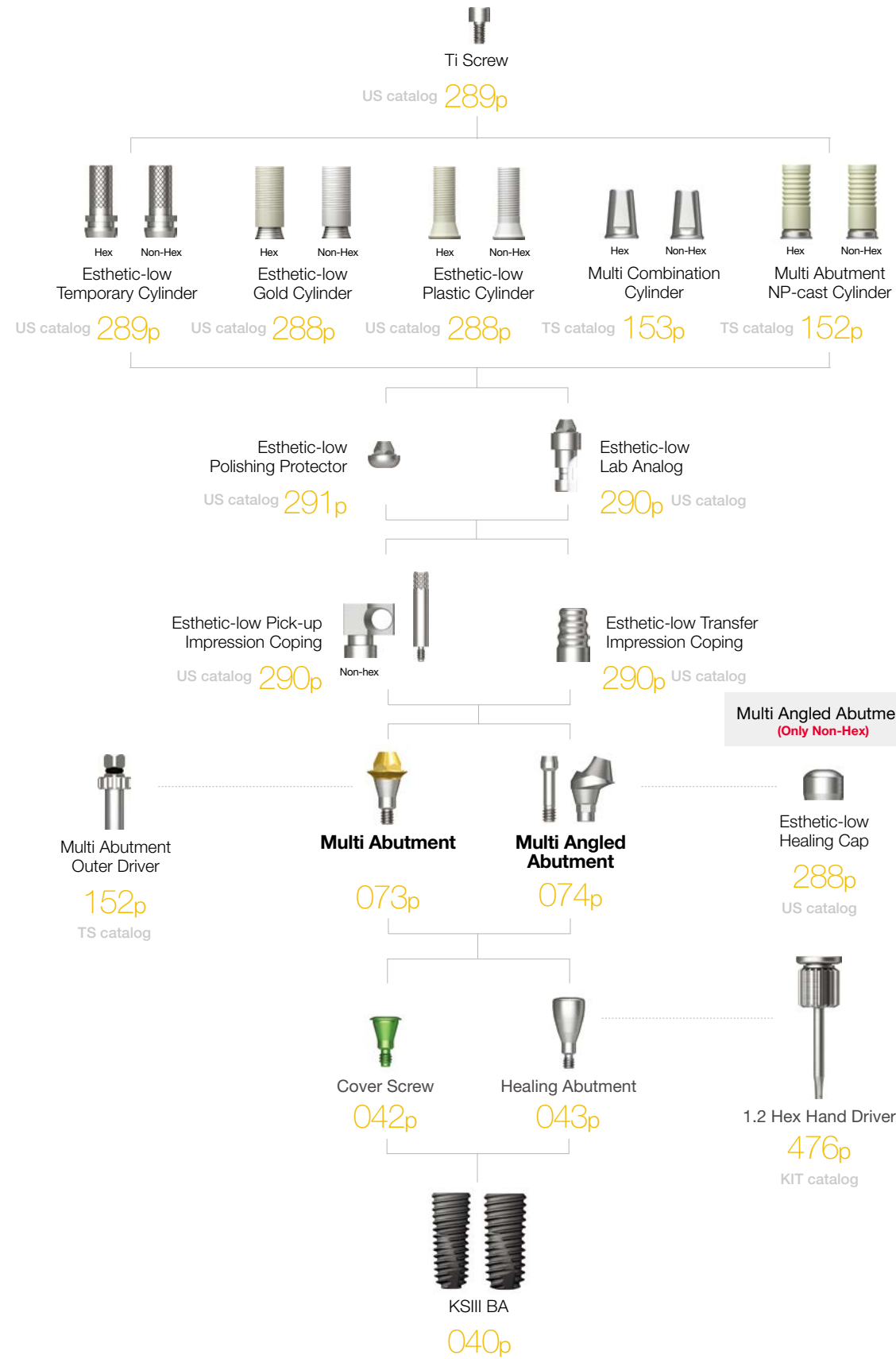
D Ø4.5



G/H Type	1.0		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	KSTTA4510	KSTTA4510N	KSTTA4530	KSTTA4530N

Multi / Multi Angled

Abutment Level Impression



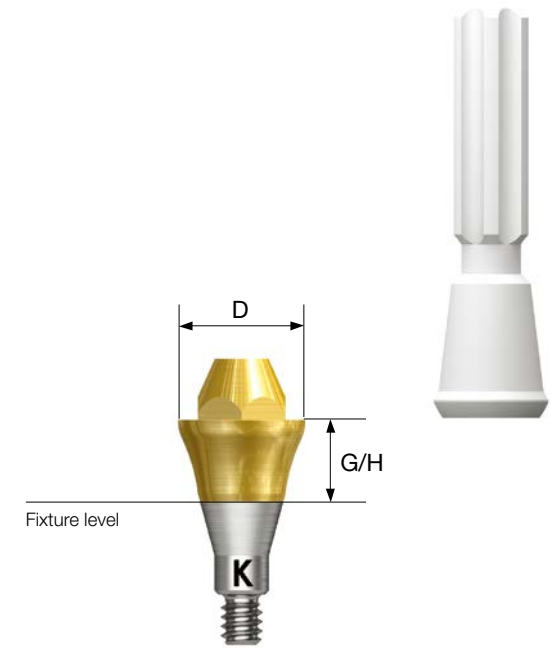
Multi Abutment

- Used for producing screw-retained prosthesis in multiple case
- Same platform as multi angled abutment
- Producing prosthesis with US esthetic low cylinder (Regular/Non-Hex)
- Tightened with dedicated outer driver (code : MAOD)
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + carrier

Abutment + carrier order code
: product code + P (ex : KSMA5030P)



KS products are marked with "K".



D Ø3.5



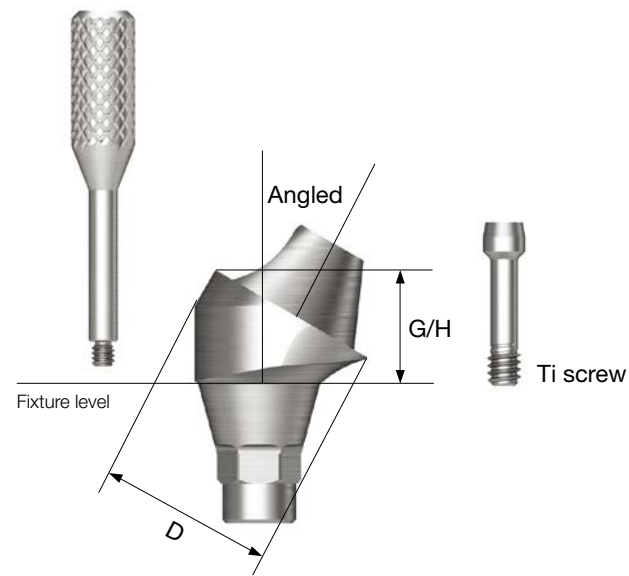
Multi Angled Abutment

- Used for producing screw-retained prosthesis in multiple case
- Same platform as multi abutment
- Fixture insertion angle compensated up to 108°
- Producing prosthesis with US esthetic low cylinder (Regular/Non-Hex)
- Using dedicated abutment screw
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw + carrier order code
: product code + **TH** (ex : KS17MAS4840**TH**)



KS products have a cylinder at the bottom.

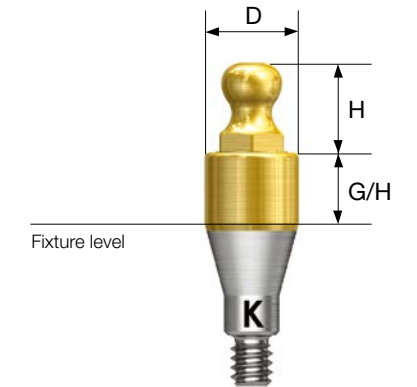


Stud Abutment

- Abutment for overdenture with O-ring attachment
- Insertion angle compensated up to 20°
- Tightened with dedicated outer driver (Small size : STAOD / Normal size : AORD)
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Ball head diameter
- Small size : Ø1.7 (H 2.5mm)
- Normal size : Ø2.25 (H 3.4mm)



KS products are marked with "K".



074

D Ø4.8



Angle \ G/H	2.5	3.0	4.0
17°	KS17MA4820	KS17MA4830	KS17MA4840

Angle \ G/H	3.5	4.0	5.0
30°	KS30MA4830	KS30MA4840	KS30MA4850

D Ø3.5



G/H	1.0	2.0	3.0	4.0	5.0	6.0
Small Size	KSST3510	KSST3520	KSST3530	KSST3540	KSST3550	KSST3560
Normal Size	KSSA3510	KSSA3520	KSSA3530	KSSA3540	KSSA3550	KSSA3560

075

KS SYSTEM

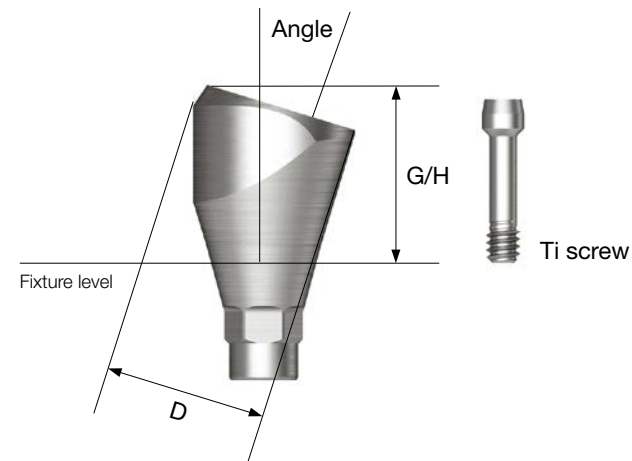
Port Angled Abutment

- Used to compensate the placement angle for overdenture
- Abutment level impression
- Insertion angle compensated up to 60°
- Tightened with 1.2 hex driver
- G/H height raised by 0.5mm for Ø3.5 fixture with the abutment tightened
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: product code + **TH** (ex : KS30PA455**TH**)



KS products have a cylinder at the bottom.



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076

D Ø4.6



Angle \ G/H	4.0	5.0
10°	 KS10PA454	 KS10PA455
17°	 KS17PA454	 KS17PA455
30°	 KS30PA454	 KS30PA455

077

KS SYSTEM

OSSTEM[®]
IMPLANT



TS SYSTEM

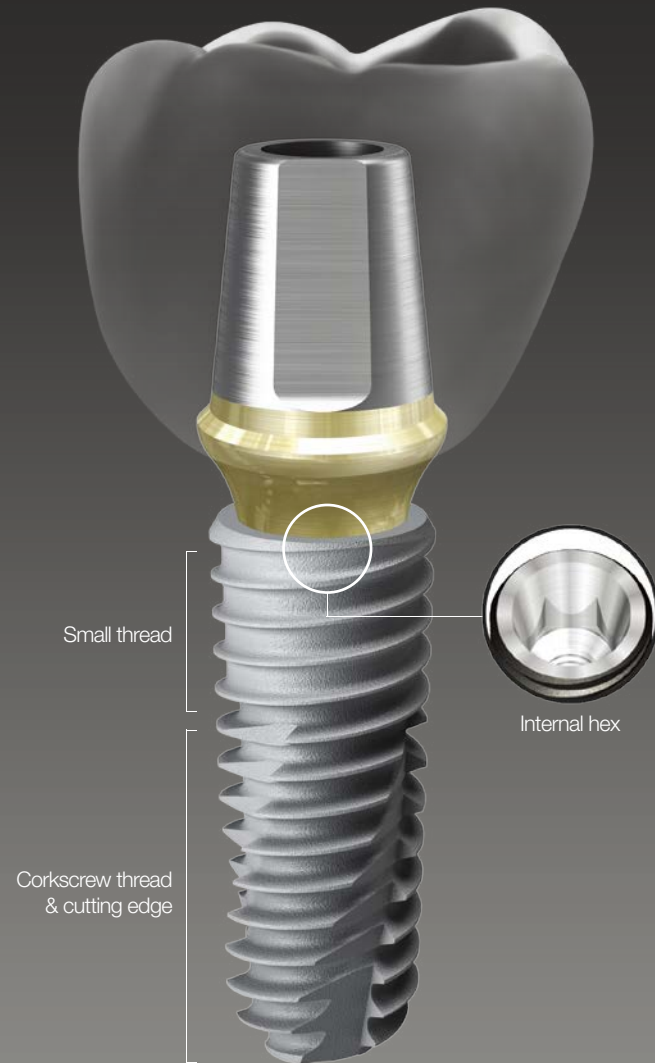
FIXTURE

- 084** TSII SA Fixture
- 086** TSII CA Fixture
- 088** TSII BA Fixture
- 090** TSIII SA Fixture
- 092** TSIII CA Fixture
- 094** TSIII BA Fixture
- 096** TSIII SOI Fixture
- 098** TSIV SA Fixture
- 100** TSIV CA Fixture
- 102** TSIV BA Fixture
- 104** Simple Mount
- 104** Cover Screw
- 105** Healing Abutment
- 106** Custom Healing Abutment

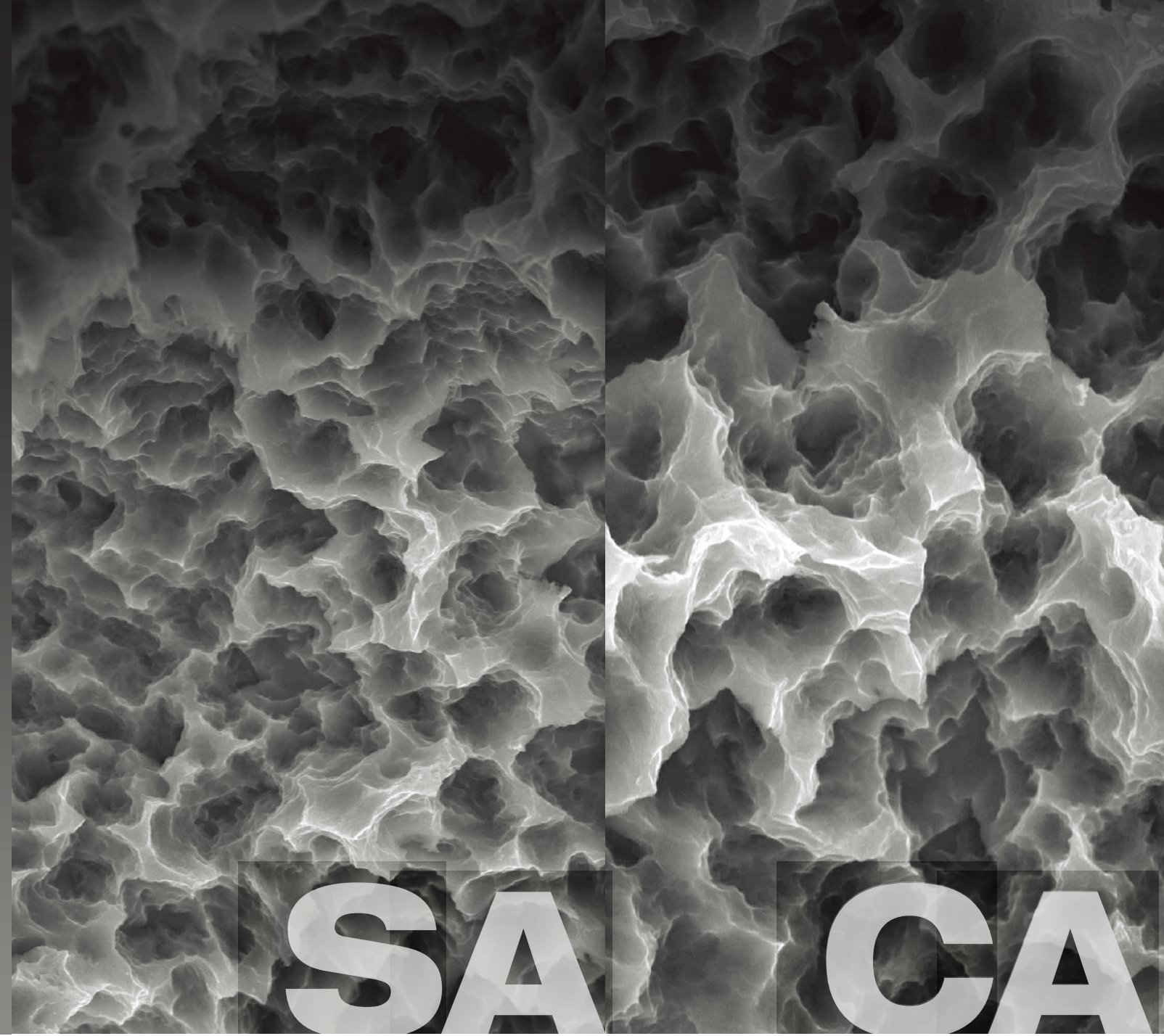
COMPONENTS

- 108** PROSTHETIC FLOW DIAGRAM 1
- 109** Rigid Abutment
- 114** Transfer Abutment
- 128** PROSTHETIC FLOW DIAGRAM 2
- 129** Angled / FreeForm ST Abutment
- 135** GoldCast / NP-Cast Abutment
- 138** PROSTHETIC FLOW DIAGRAM 3
- 139** OneFit / OneFit Zr Abutment
- 141** Pre-Milled Abutment
- 142** Link Abutment (for Public / Cerec)
- 146** Temporary Abutment (Quick)
- 150** PROSTHETIC FLOW DIAGRAM 4
- 151** Multi (Angled) Abutment
- 156** PROSTHETIC FLOW DIAGRAM 5
- 157** Convertible Abutment
- 164** PROSTHETIC FLOW DIAGRAM 6
- 165** Stud / Locator® Abutment
- 171** Port Angled Abutment
- 174** OneSeal / TS Abutment Selector
- 175** Scan Healing Abutment

TS Design & Surface Feature



TS



TS packaging color information

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

- Connection - Mini / Regular
- Excellent initial stability in soft bone with smaller threads in the upper section
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and 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
- Available surface types - SA / CA / BA / SOI

Optimized Surface through Acid Treatment

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

In-vitro and In-vivo Bone Response

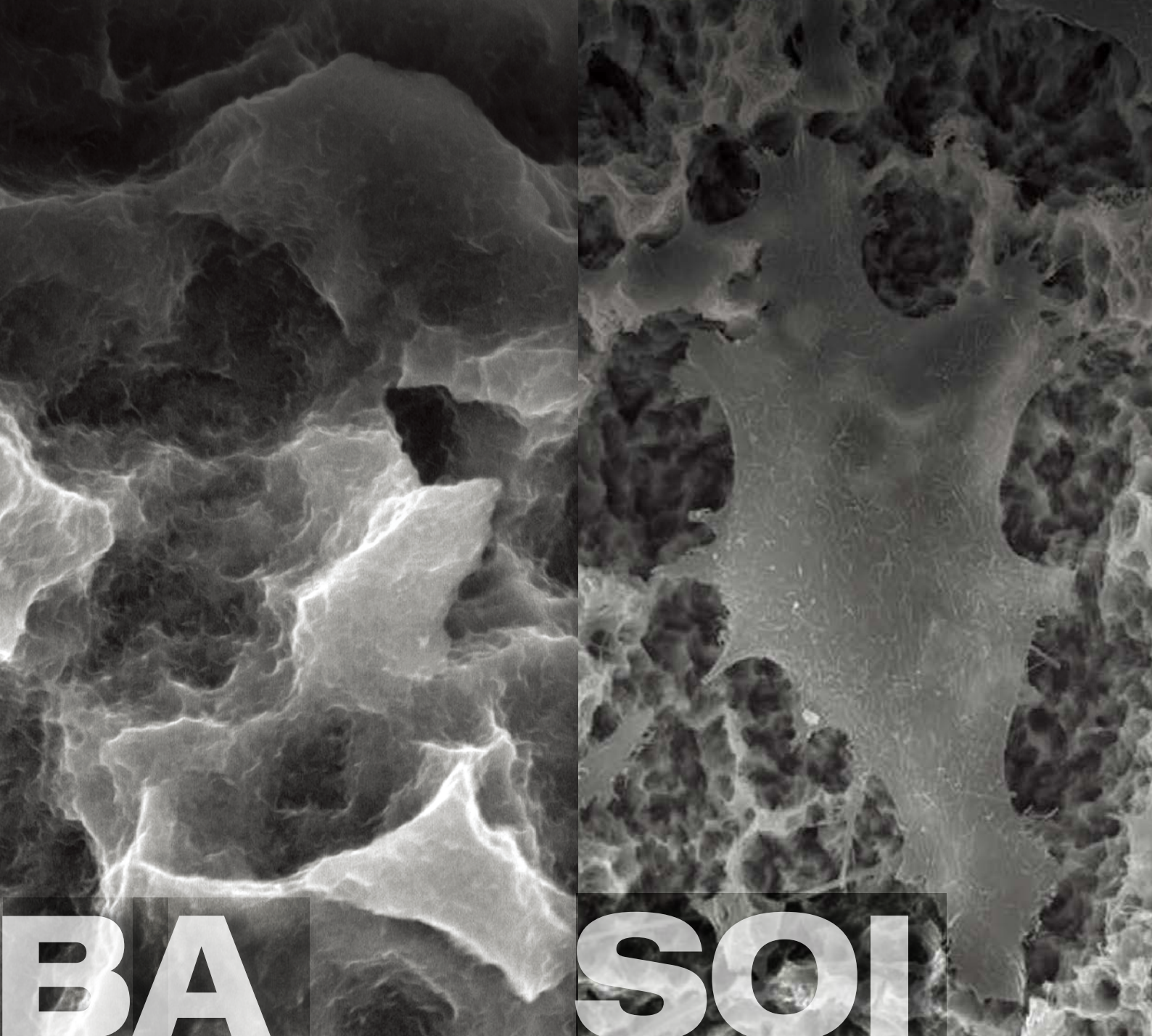
- Osteoblast separation and ossification improved by 20% compared to RBM treated implants
- Initial bone reaction performance in big animal model (mini-pig)
 - Initial stability (RT, 4 weeks) improved by 48% compared to RBM treated implants
 - Ossification (BIC, 4 weeks) improved by 20% compared to RBM treated implants

Super-hydrophilic SA surface immersed in a calcium solution

- Same surface morphology as SA surfaces
- Surface reaction activated by immersing in a calcium solution (CaCl₂)
- Increased new bone formation area with excellent blood wettability
- Bone response improved in early osseointegration stage compared to standard SA surface

In-vitro and In-vivo Bone Response

- Protein and cellular adhesion tripled compared to SA surfaces
- Initial cellular differentiation (7 days) improved by 19% compared to SA surfaces
- Initial stability (RT, 4 weeks) improved by 34% compared to SA surfaces
- Ossification (BIC, 4 weeks) improved by 26% compared to SA surfaces



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Premium low crystalline nano-HA coated SA surface

- 10nm Ultra-thin HA coating
- SA surface (Ra 2.0-3.011 μ m) coated with HA
- Dual functions of titanium and HA
 - HA is naturally resorbed during ossification

In-vitro and In-vivo Bone Response

- Advantages of both SA and HA surfaces
 - SA's ability to maintain an optimal surface
 - HA's ability to form high quality initial bone even in bone of poor quality
- Ossification (BIC) improved by 26% compared to SA surfaces
- Applicable to all types of bone quality

Next-generation surface with hemostatic effect and pH control feature

- Activation of blood clot formation
- Prevention of carbon adsorption in air
- 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

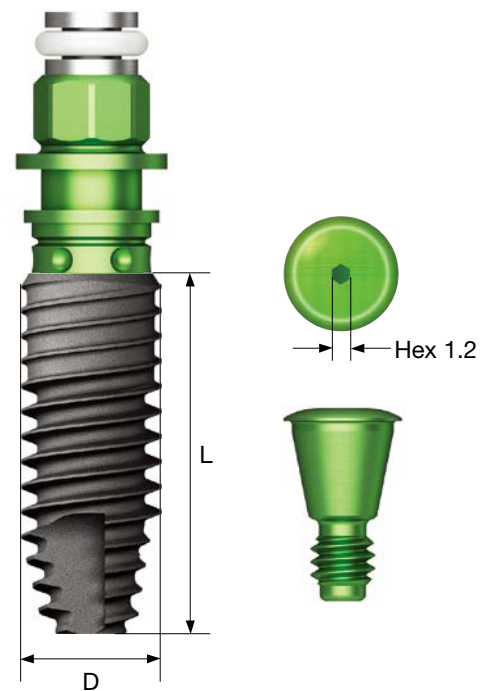
- Submerged type implant with an Internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Straight body design for easy adjustment of placement depth
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

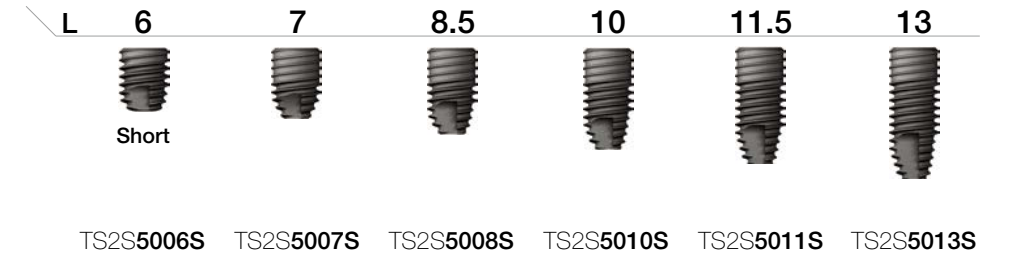
: fixture product code (ex : TS2S4010S)

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

: B + fixture product code (ex : BTS2S4010S)

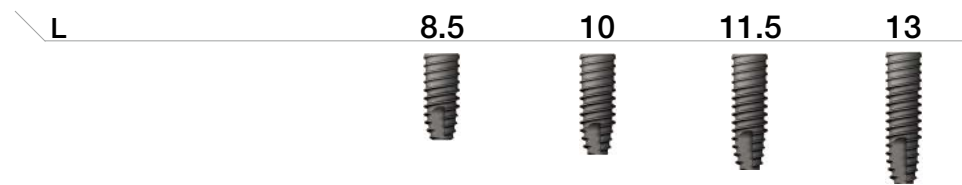


D Ø5.0
Hex 2.5
R



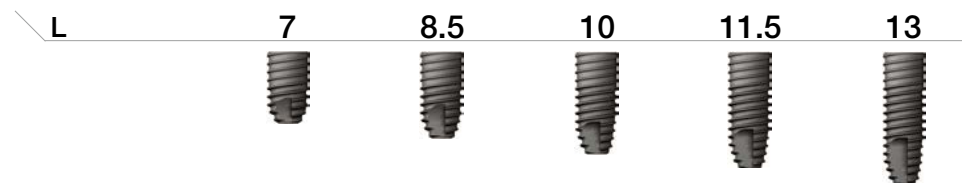
TS2S5006S TS2S5007S TS2S5008S TS2S5010S TS2S5011S TS2S5013S

D Ø3.5
Hex 2.1
M



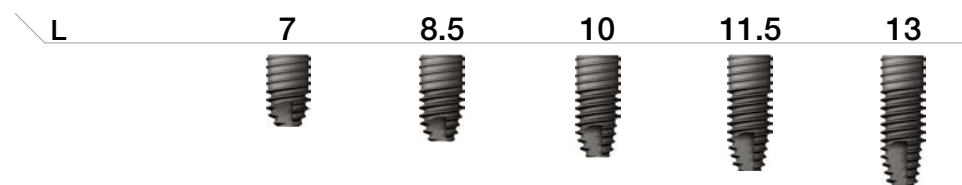
TS2M3508S TS2M3510S TS2M3511S TS2M3513S

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 actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

- Submerged type implant with an internal hex 11° tapered connection structure
- Changed to super-hydrophilic SA surface immersed in a calcium solution
- Straight body design for easy adjustment of placement depth
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread

Ultra-wide

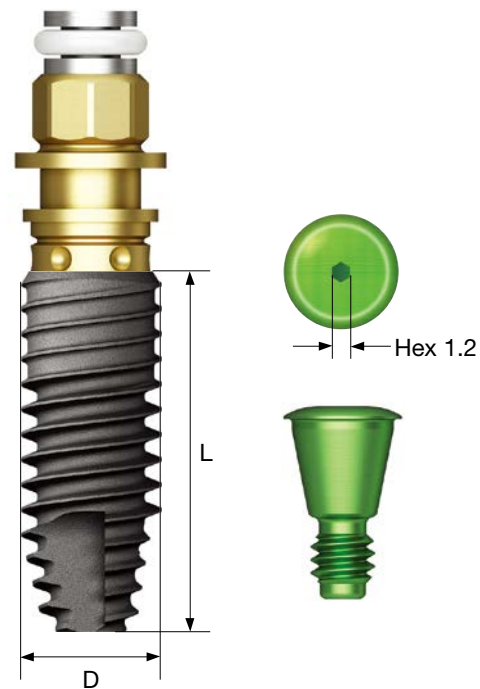
- Ideal for placement in an fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in an fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

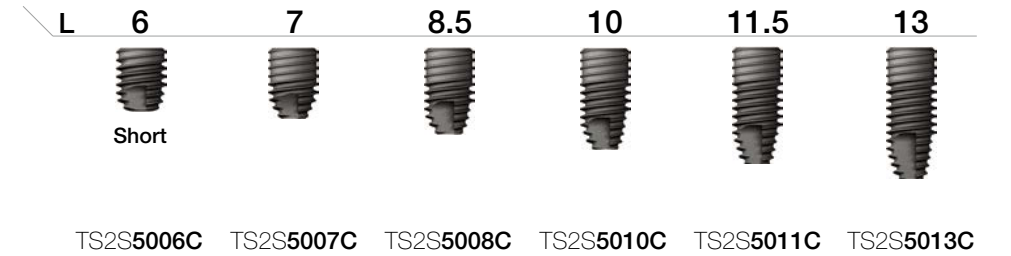
: fixture product code (ex : TS2S4010C)

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

: B + fixture product code (ex : BTS2S4010C)

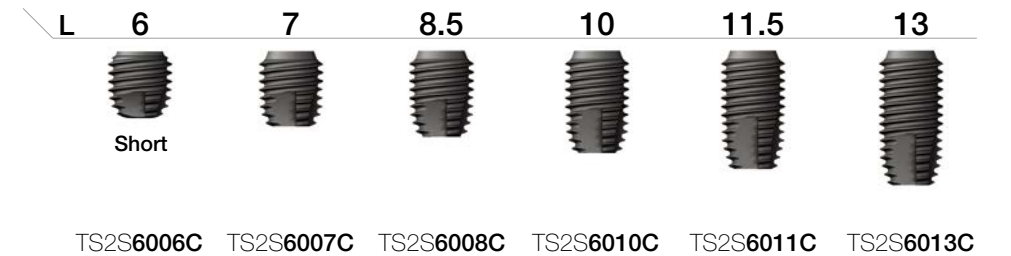


D Ø5.0
Hex 2.5
R

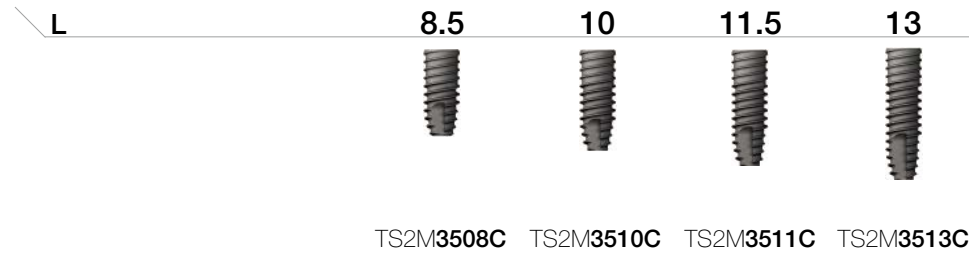


02.2016
Ultra-Wide

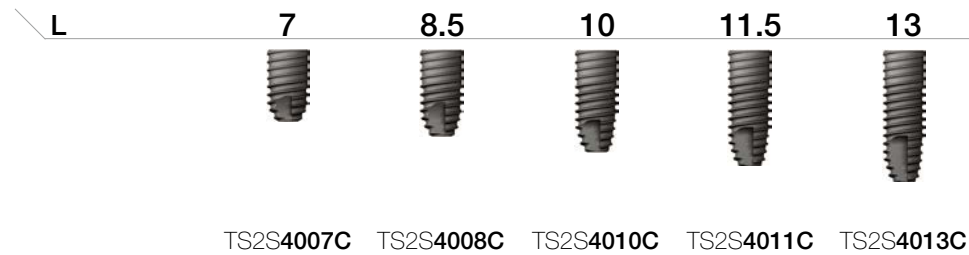
D Ø6.0
Hex 2.5
R



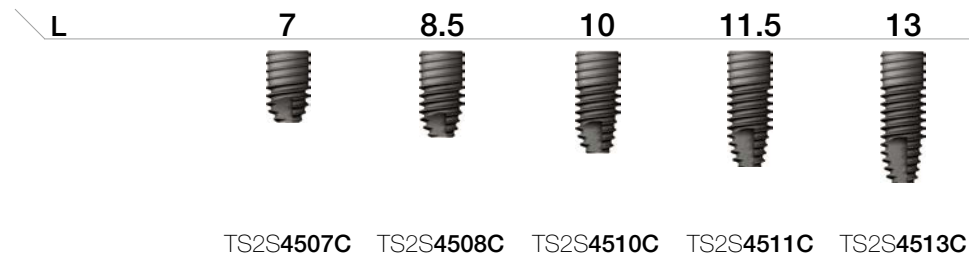
D Ø3.5
Hex 2.1
M



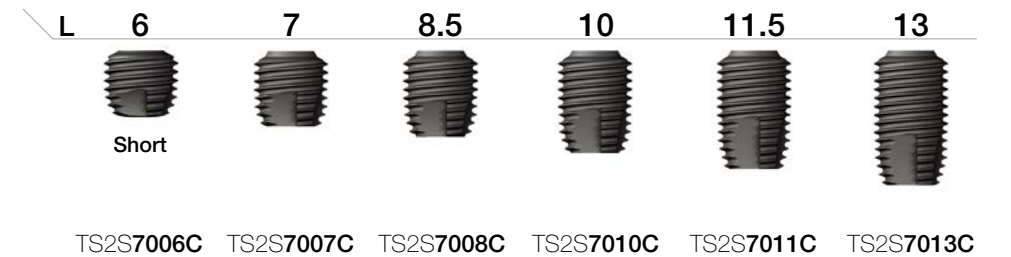
D Ø4.0
Hex 2.5
R



D Ø4.5
Hex 2.5
R



D Ø7.0
Hex 2.5
R



Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

TSII BA Fixture 11.2017

- Submerged type implant with an internal hex 11° tapered connection structure
- Premium low crystalline nano-HA coated SA surface
- Bioabsorbable coating layer with no fear of cracking and peeling
- Straight body design for easy adjustment of placement depth
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread

Ultra-wide

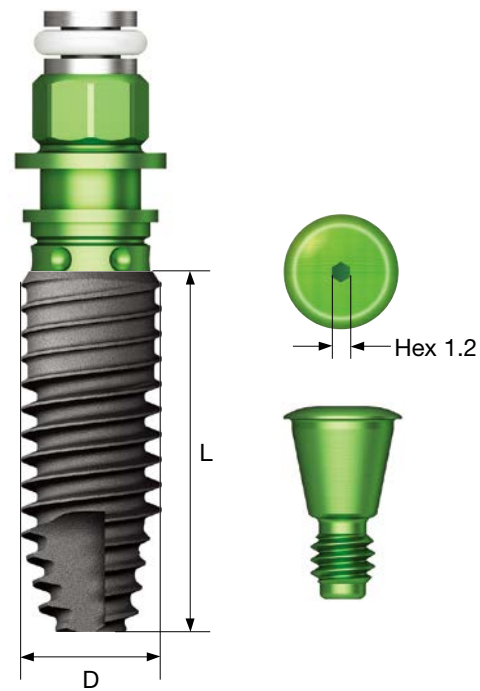
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region.

NoMount Fixture order code

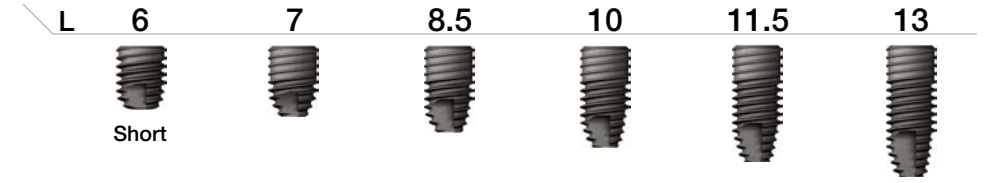
: fixture product code (ex : TS2S4010B)

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

: B + fixture product code (ex : BTS2S4010B)



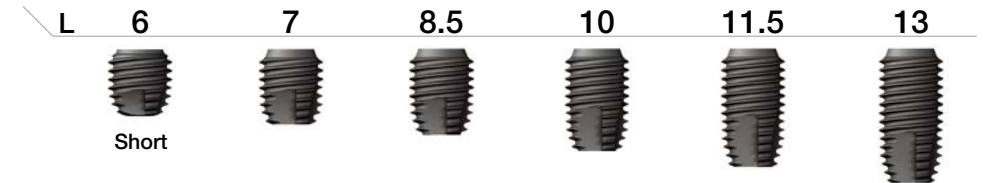
D Ø5.0
Hex 2.5



TS2S5006B TS2S5007B TS2S5008B TS2S5010B TS2S5011B TS2S5013B

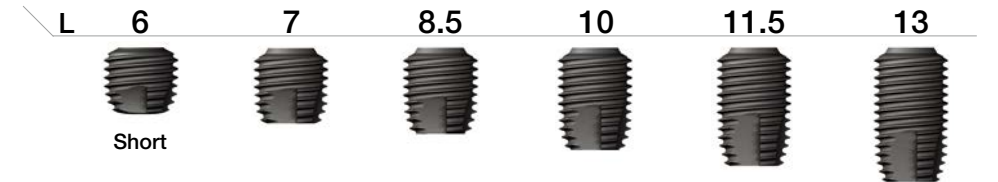
Ultra-Wide

D Ø6.0
Hex 2.5



TS2S6006B TS2S6007B TS2S6008B TS2S6010B TS2S6011B TS2S6013B

D Ø7.0
Hex 2.5

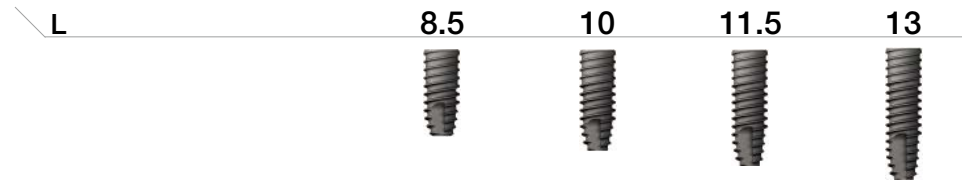


TS2S7006B TS2S7007B TS2S7008B TS2S7010B TS2S7011B TS2S7013B

Nominal diameter may differ from actual diameter.

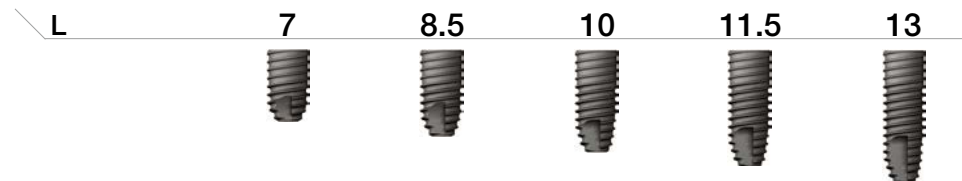
Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

D Ø3.5
Hex 2.1



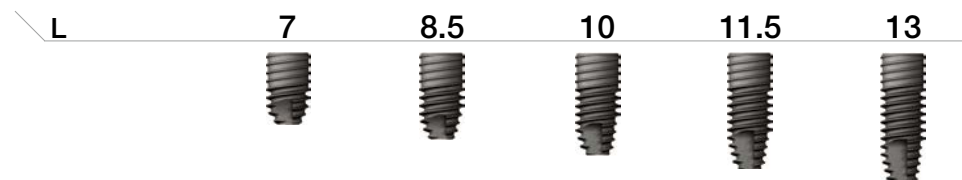
TS2M3508B TS2M3510B TS2M3511B TS2M3513B

D Ø4.0
Hex 2.5



TS2S4007B TS2S4008B TS2S4010B TS2S4011B TS2S4013B

D Ø4.5
Hex 2.5



TS2S4507B TS2S4508B TS2S4510B TS2S4511B TS2S4513B

TSIII SA Fixture 03.2010

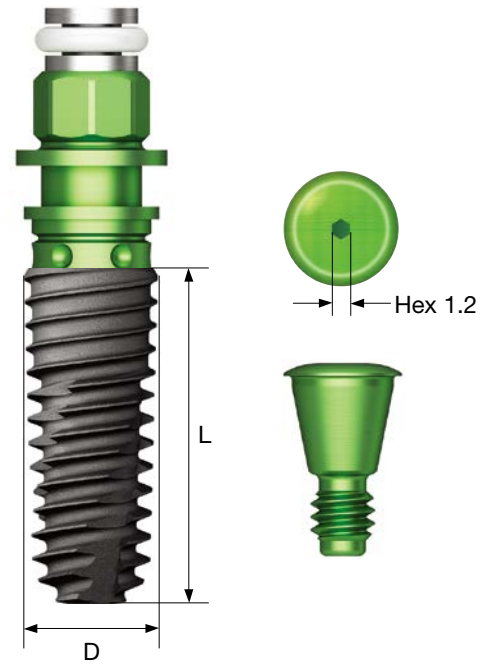
- Submerged type implant with an internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Tapered body design for excellent initial stability
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading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

Narrow

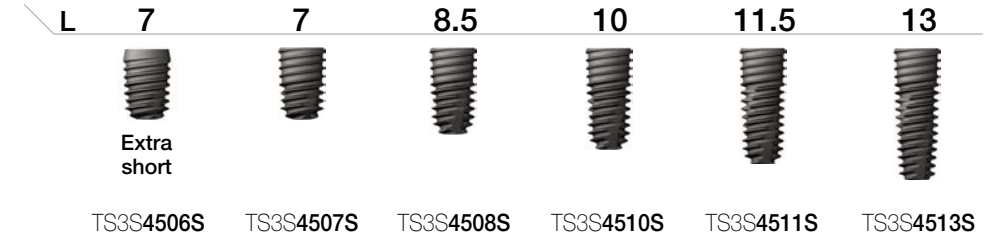
- Used in tight spaces (narrow ridge)
- Easy angle compensation in anterior region
- Compatible with existing mini upper parts (not compatible with cover screw, mount, or lab analog)

Ultra-wide

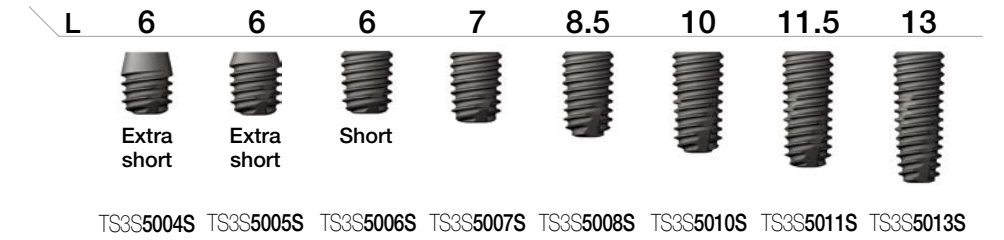
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region



D Ø4.5
Hex 2.5

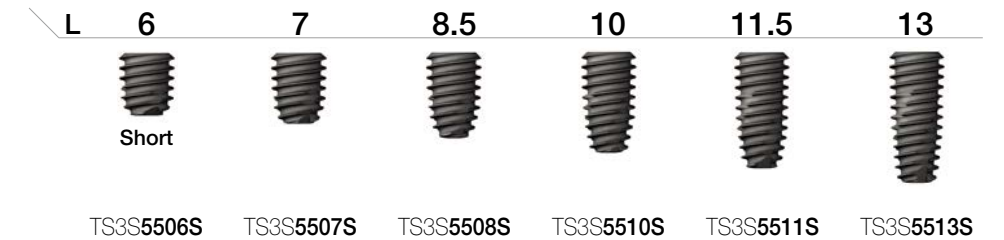


D Ø5.0
Hex 2.5

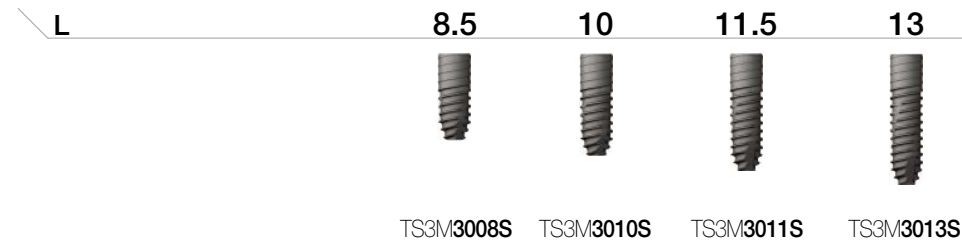


11.2015

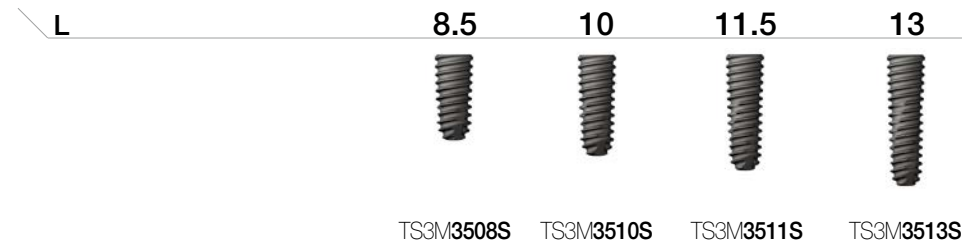
D Ø5.5
Hex 2.5



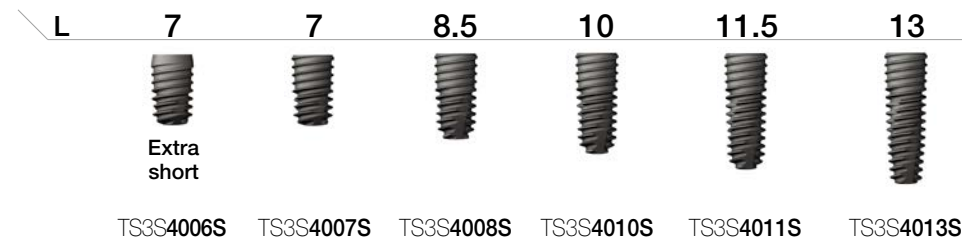
D Ø3.0
Hex 2.1
Narrow



D Ø3.5
Hex 2.1

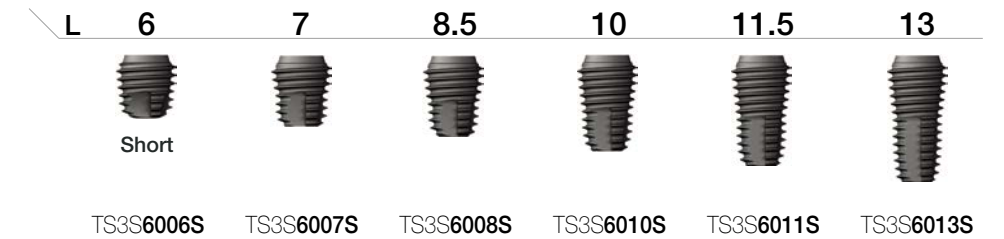


D Ø4.0
Hex 2.5

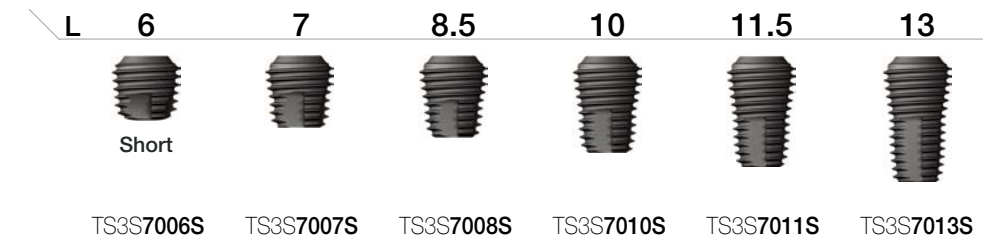


Ultra-Wide

D Ø6.0
Hex 2.5



D Ø7.0
Hex 2.5



Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.



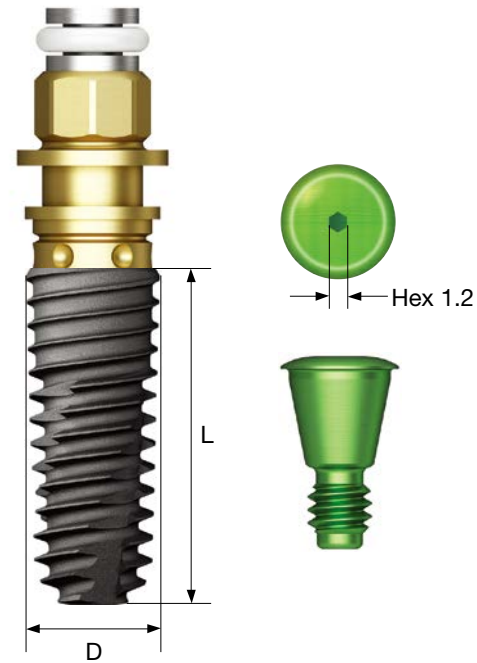
- Submerged type implant with an internal hex 11° tapered connection structure
- Super-hydrophilic SA surface immersed in a calcium solution
- Tapered body design for excellent initial stability
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

Narrow

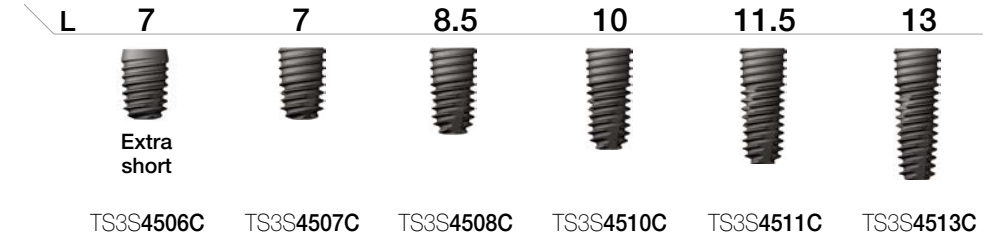
- Used in tight spaces (narrow ridge)
- Easy angle compensation in anterior region
- Compatible with existing mini upper parts (not compatible with cover screw, mount, or lab analog)

Ultra-wide

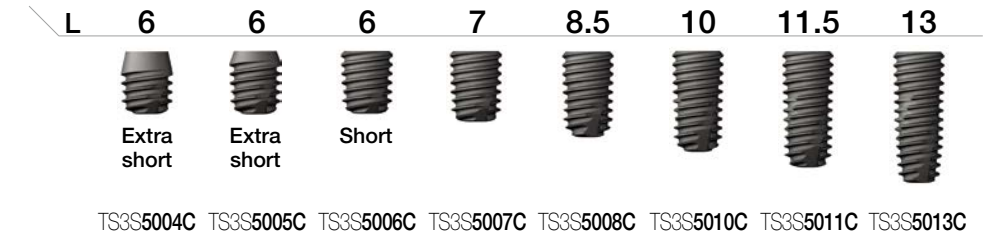
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤ 40 Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region



D Ø4.5
Hex 2.5

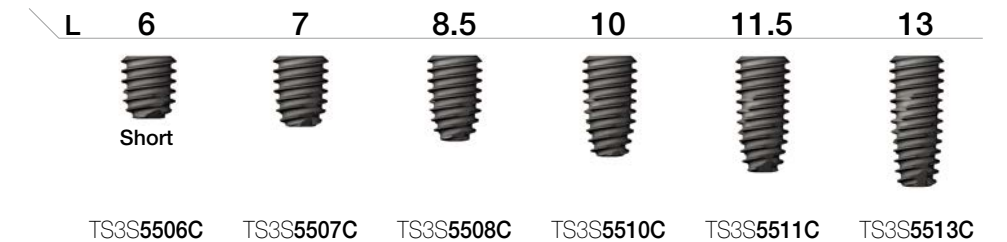


D Ø5.0
Hex 2.5



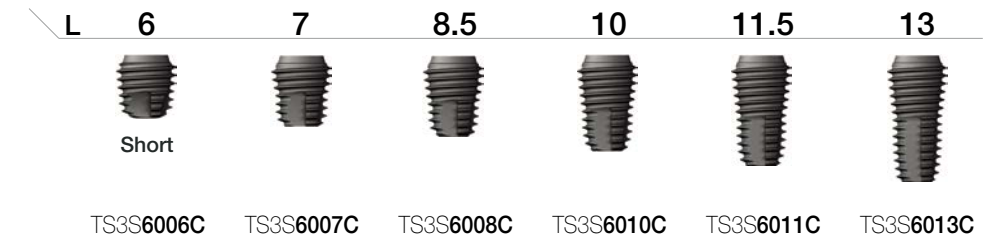
02.2016

D Ø5.5
Hex 2.5

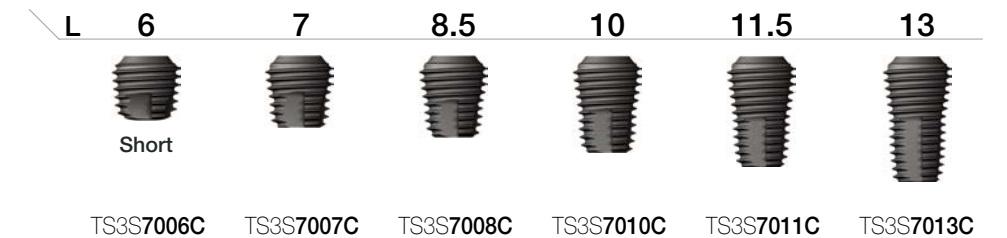


Ultra-Wide

D Ø6.0
Hex 2.5



D Ø7.0
Hex 2.5

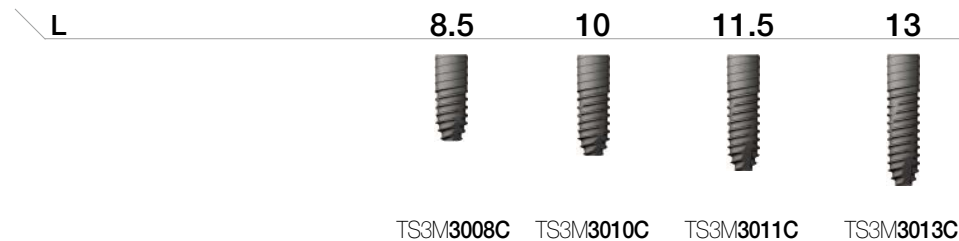


Nominal diameter may differ from actual diameter.

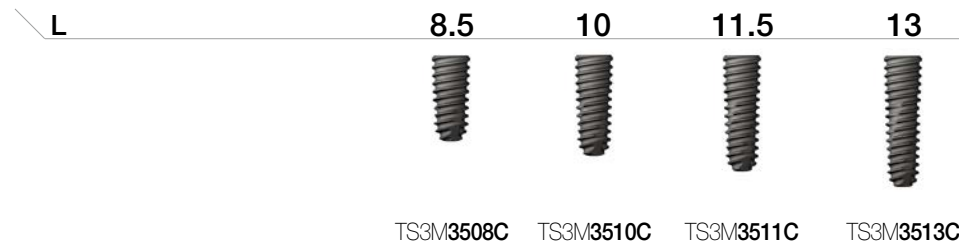
Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

05.2015

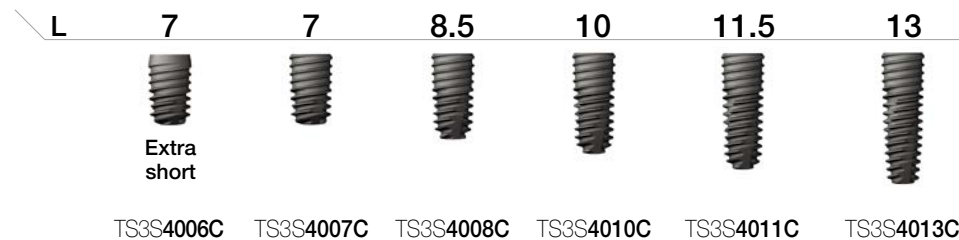
D Ø3.0
Hex 2.1
Narrow



D Ø3.5
Hex 2.1



D Ø4.0
Hex 2.5



TSIII BA Fixture 02.2016



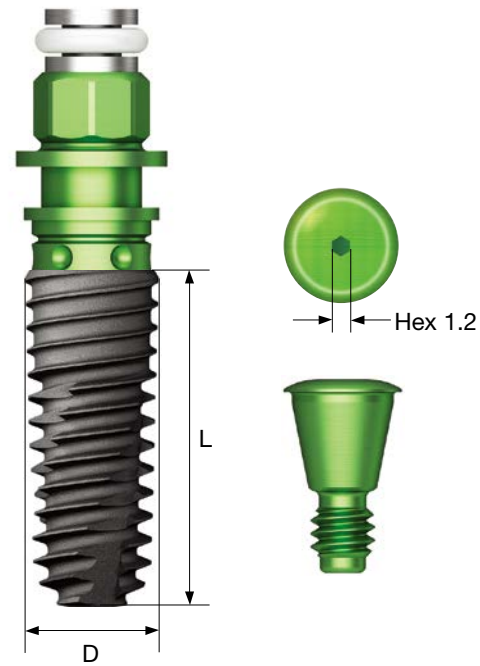
- Submerged type implant with an internal hex 11° tapered connection structure
- Premium low crystalline nano-HA coated SA surface
- Bioabsorbable coating layer with no fear of cracking and peeling
- Tapered body design for excellent initial stability
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- 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 upper parts (not compatible with cover screw, mount, or lab analog)

Ultra-wide

- Ideal for placement in an fresh extraction socket in the posterior area 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 : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region



NoMount Fixture order code

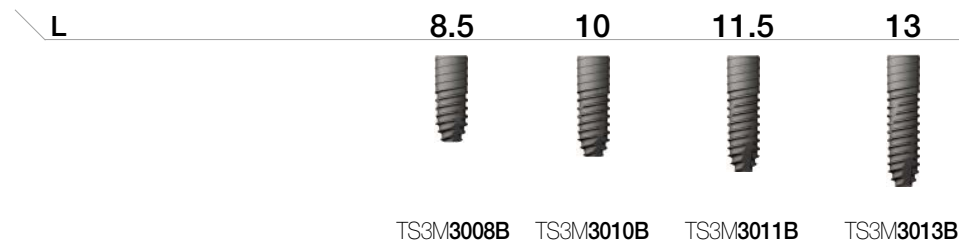
: fixture product code (ex : TS3S4010B)

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

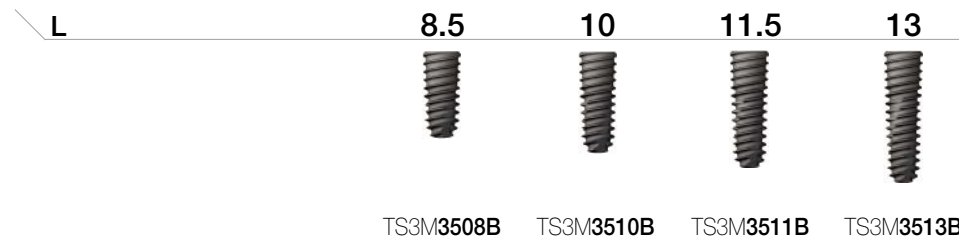
: B + fixture product code (ex : BTS3S4010B)

02.2019

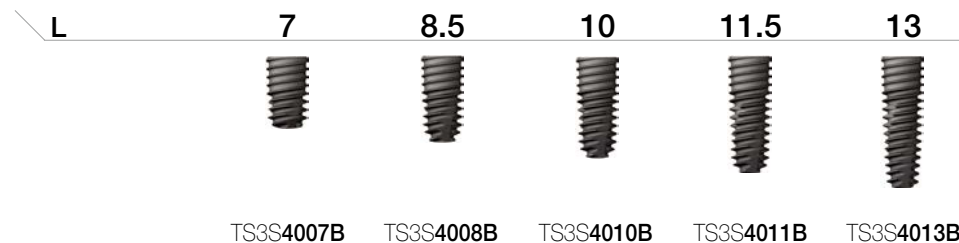
D Ø3.0
Hex 2.1
Narrow



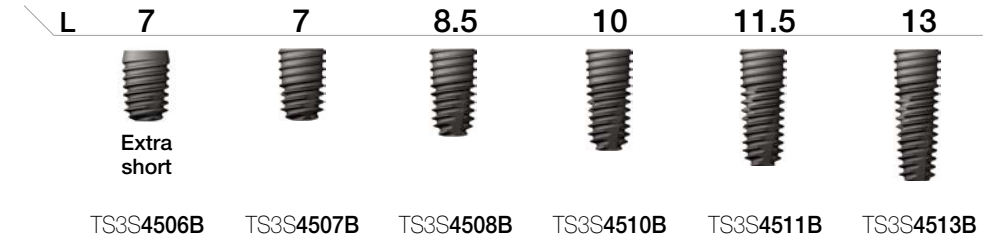
D Ø3.5
Hex 2.1



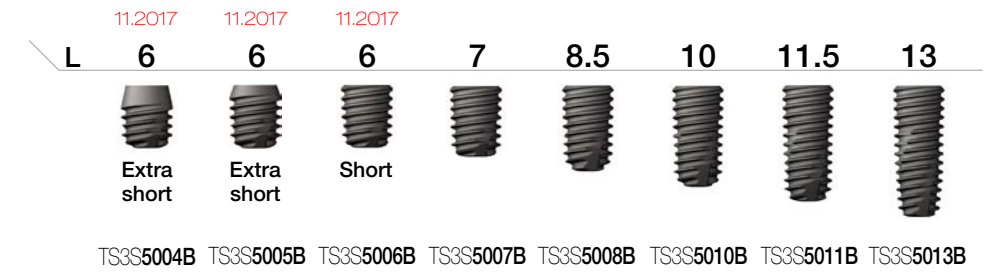
D Ø4.0
Hex 2.5



D Ø4.5
Hex 2.5

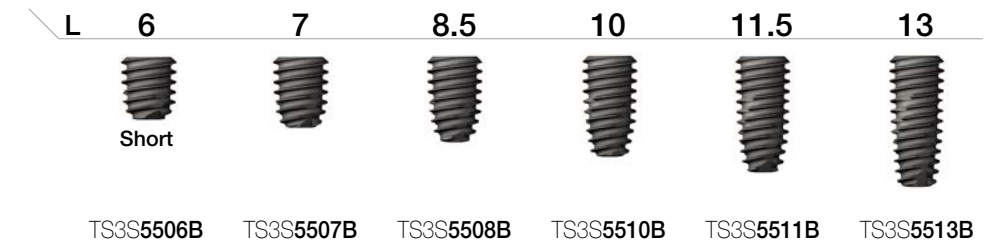


D Ø5.0
Hex 2.5



11.2017

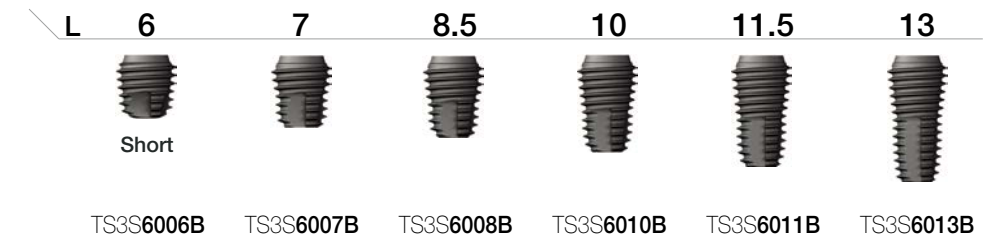
D Ø5.5
Hex 2.5



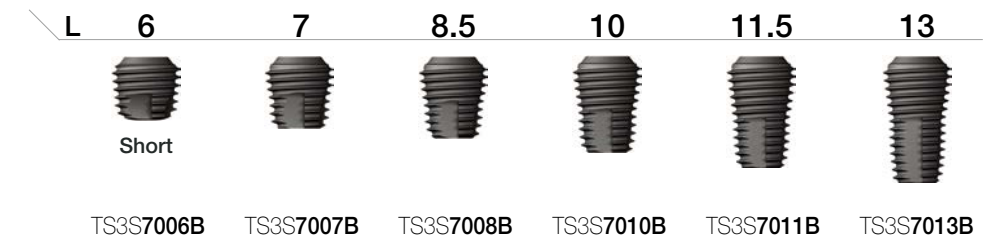
11.2017

Ultra-Wide

D Ø6.0
Hex 2.5



D Ø7.0
Hex 2.5



Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.



- Submerged type implant with an internal hex 11° tapered connection structure
- Super hydrophilic surface with superior blood wettability, coated with K material
- Super hydrophilic surface inducing fast blood clot formation
- Tapered body design for excellent initial stability
- Excellent initial stability in soft bone with smaller threads in the upper section
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region.

Narrow

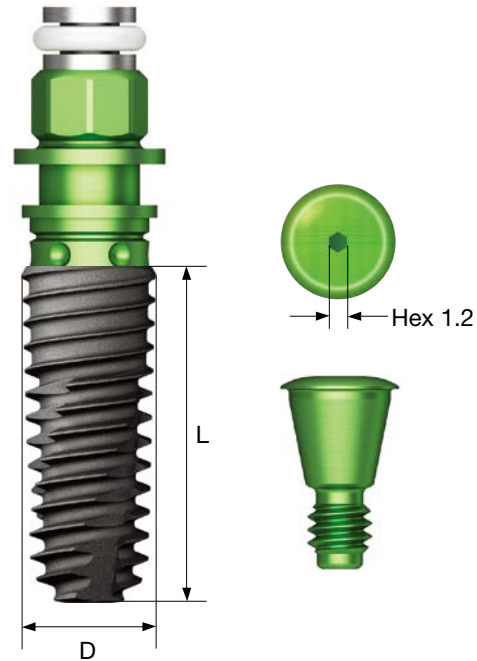
- Used in tight spaces (narrow ridge)
- Easy angle compensation in anterior region
- Compatible with existing mini upper parts (not compatible with cover screw, mount, or lab analog)

NoMount Fixture order code

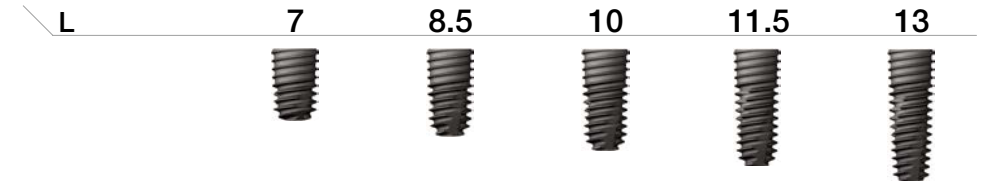
: fixture product code (ex : TS3S4010A)

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

: B + fixture product code (ex : BTS3S4010A)

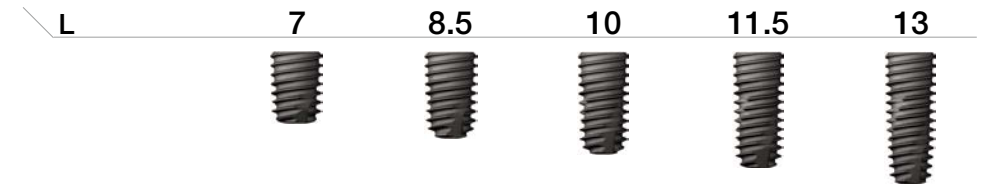


D Ø4.5
Hex 2.5



TS3S4507A TS3S4508A TS3S4510A TS3S4511A TS3S4513A

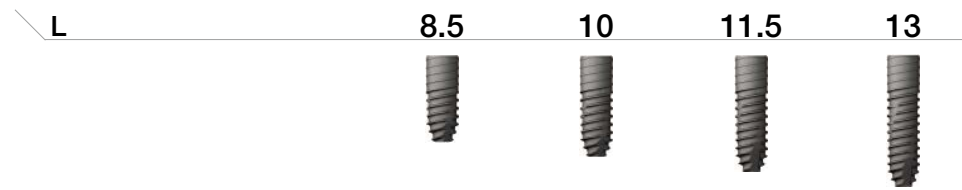
D Ø5.0
Hex 2.5



TS3S5007A TS3S5008A TS3S5010A TS3S5011A TS3S5013A

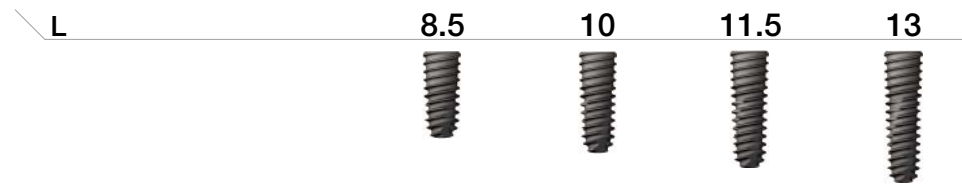
01.2019

D Ø3.0
Hex 2.1
Narrow



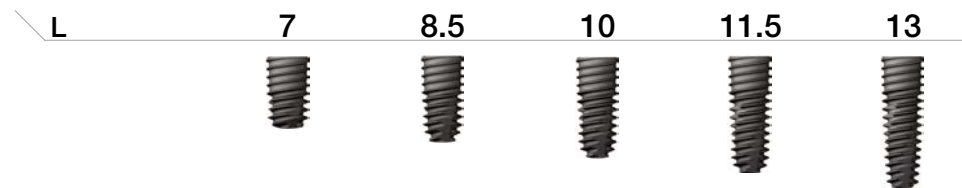
TS3M3008A TS3M3010A TS3M3011A TS3M3013A

D Ø3.5
Hex 2.1



TS3M3508A TS3M3510A TS3M3511A TS3M3513A

D Ø4.0
Hex 2.5



TS3S4007A TS3S4008A TS3S4010A TS3S4011A TS3S4013A

Nominal diameter may differ from actual diameter.

TSIV SA Fixture 03.2010

- Submerged type implant with an internal hex 11° tapered connection structure
- Optimal thread design for realization of optimal SA surface
- Dedicated fixture for use in maxillary sinus and soft bone
- Excellent initial stability in soft bone with 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

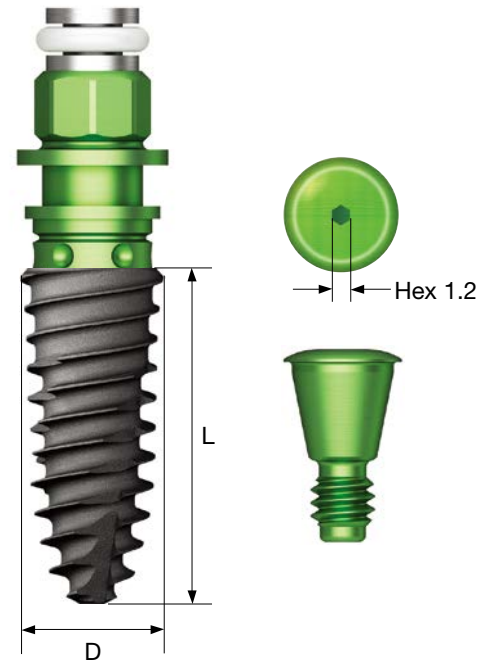
- Ideal for placement in an fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region
- ※ Reducing the speed to 15rpm or lower recommended for placement as the placement speed is too fast for TSIV fixtures due to large thread pitch

NoMount Fixture order code

: fixture product code (ex : TS4S4010S)

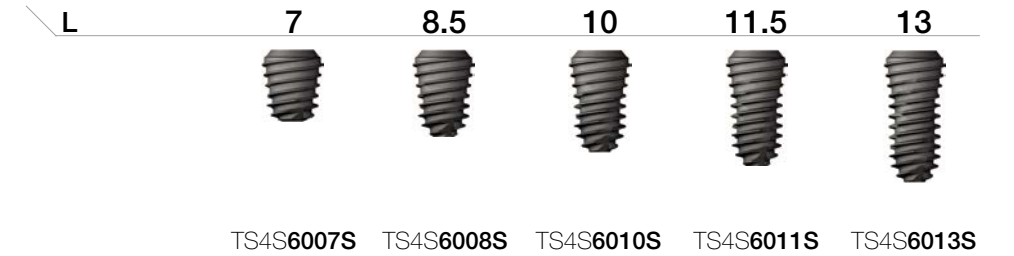
Pre-Mounted Fixture (fixture + mount + cover screw) order code

: B + fixture product code (ex : BTS4S4010S)

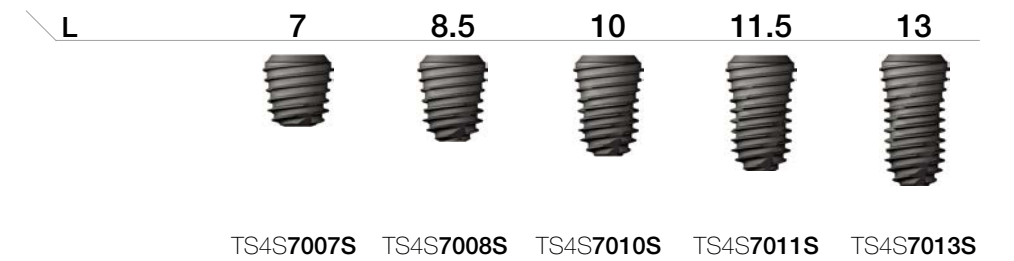


Ultra-wide

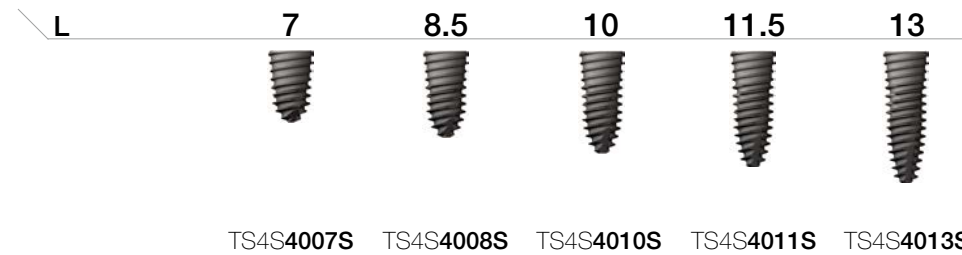
D Ø6.0
Hex 2.5



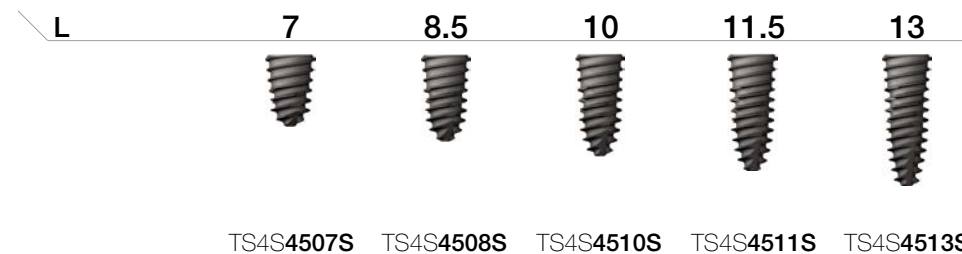
D Ø7.0
Hex 2.5



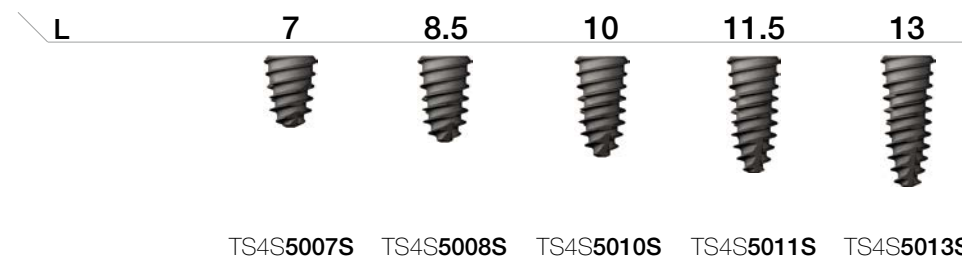
D Ø4.0 Pitch 0.8
Hex 2.5



D Ø4.5 Pitch 1.0
Hex 2.5



D Ø5.0 Pitch 1.2
Hex 2.5



Nominal diameter may differ from actual diameter.

- Submerged type implant with an internal hex 11° tapered connection structure
- Super-hydrophilic SA surface immersed in a calcium solution
- Dedicated fixture for use in maxillary sinus and soft bone
- Excellent initial stability in soft bone with 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

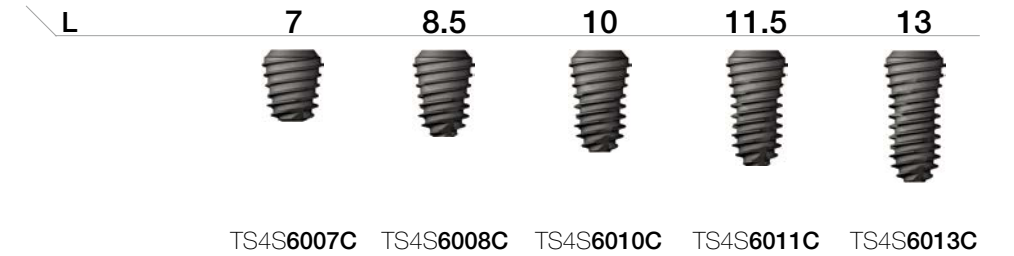
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region
- ※ Reducing the speed to 15rpm or lower recommended for placement as the placement speed is too fast for TSIV fixtures due to large thread pitch



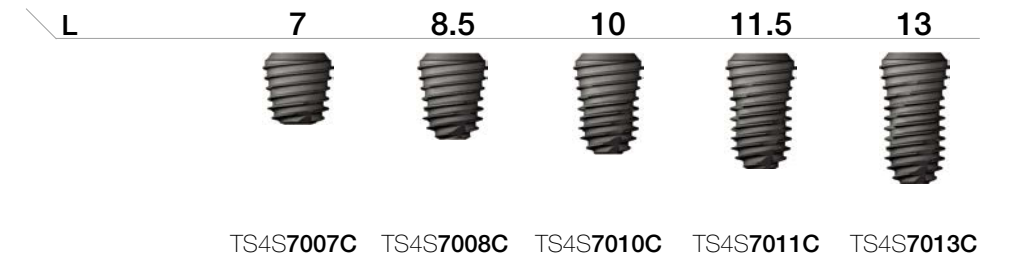
NoMount Fixture order code
: fixture product code (ex : TS4S4010C)

Ultra-wide

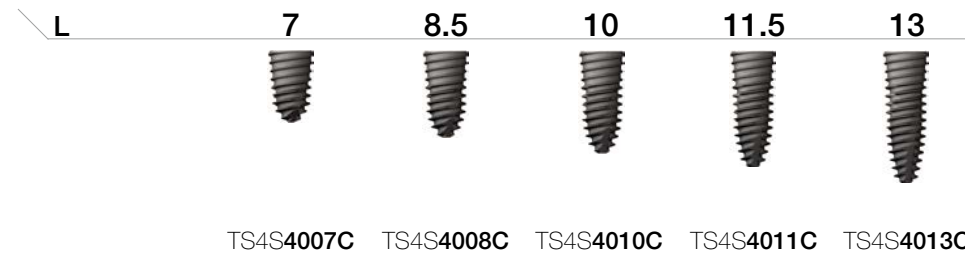
D Ø6.0
Hex 2.5



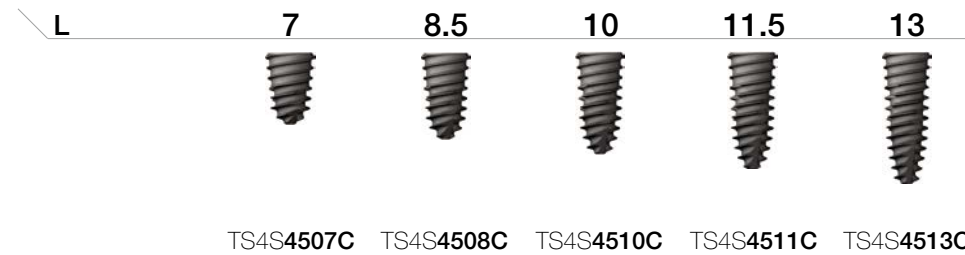
D Ø7.0
Hex 2.5



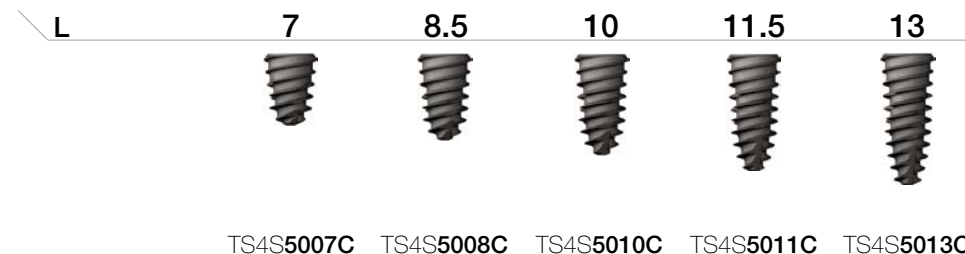
D Ø4.0 Pitch 0.8
Hex 2.5



D Ø4.5 Pitch 1.0
Hex 2.5



D Ø5.0 Pitch 1.2
Hex 2.5



Nominal diameter may differ from actual diameter.

TSIV BA Fixture ^{11.2017}

- Submerged type implant with an Internal hex 11° tapered connection structure
- Premium low crystalline nano-HA coated SA surface
- Bioabsorbable coating layer with no fear of cracking and peeling
- Dedicated fixture for use in maxillary sinus and soft bone
- Excellent initial stability in soft bone with 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

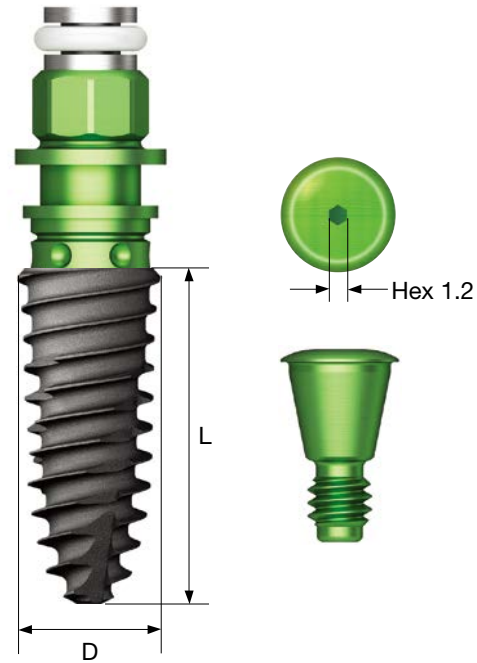
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region
- ※ Reducing the speed to 15rpm or lower recommended for placement as the placement speed is too fast for TSIV fixtures due to large thread pitch

NoMount Fixture order code

: fixture product code (ex : TS4S4010B)

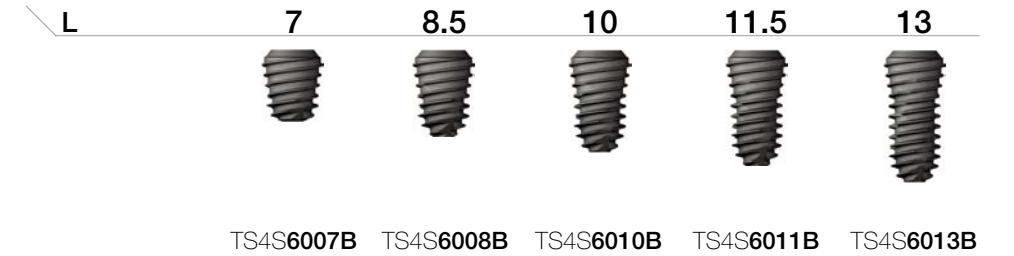
Pre-Mounted Fixture (fixture + mount + cover screw) order code

: B + fixture product code (ex : BTS4S4010B)

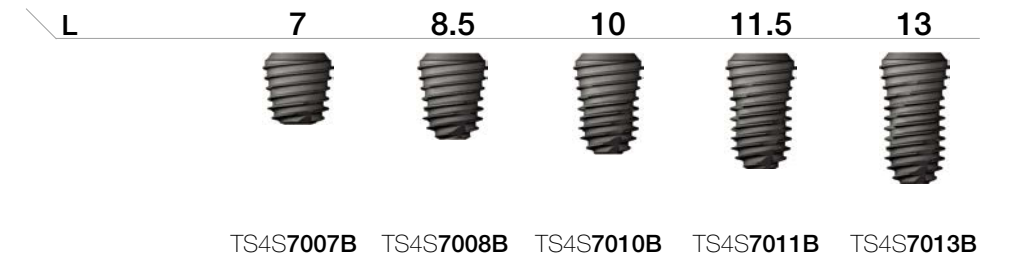


Ultra-wide

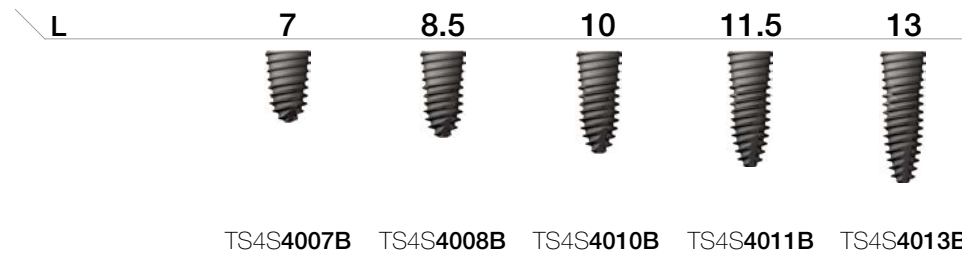
D Ø6.0
Hex 2.5



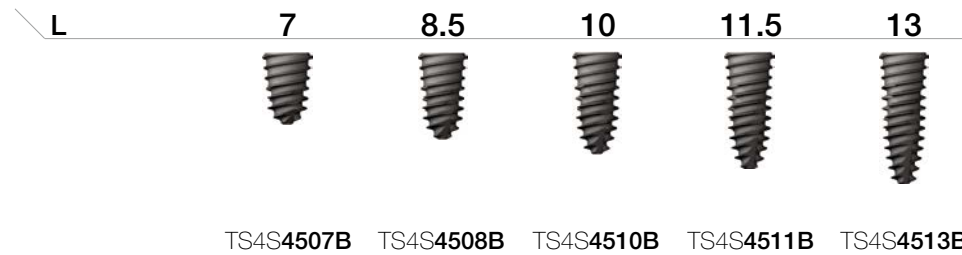
D Ø7.0
Hex 2.5



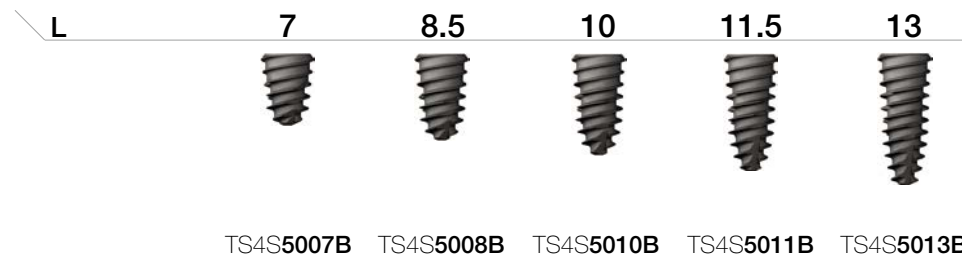
D Ø4.0 Pitch 0.8
Hex 2.5



D Ø4.5 Pitch 1.0
Hex 2.5



D Ø5.0 Pitch 1.2
Hex 2.5



Nominal diameter may differ from actual diameter.

Simple Mount

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

M Mini
R Regular

C For CA Fixture

M
For Ø3.0



TSSM30



TSCM30

M



04.2017
TSSAMM



TSCSMM

R



04.2017
TSSAMR



TSCSMR

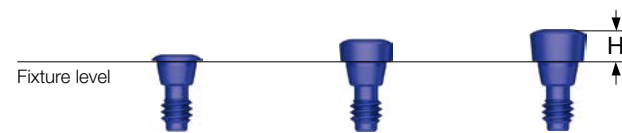
Cover Screw

- Height (H) selected according to the fixture placement depth
- Dedicated cover screw used for Ø3.5 fixture
- Hand tightened with 1.2 hex driver
- P = Platform

M Mini
R Regular

P \ H 0.4 1.4 2.0

M
For Ø3.0



GSCS30

GSCS30M

GSCS30L

M



GSCS35

GSCS35M

GSCS35L

R



GSCS40S-G

GSCS40M-G

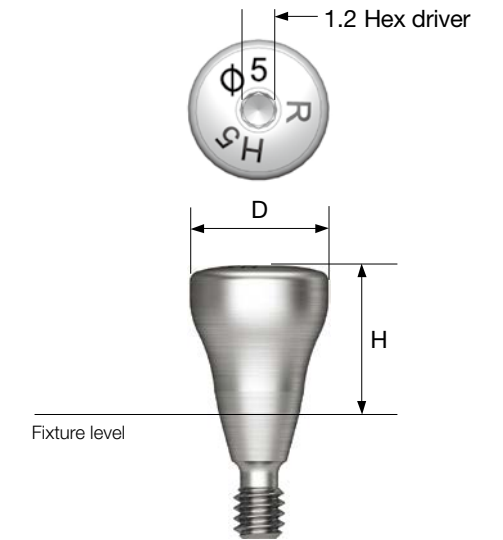
GSCS40L-G

- Mini (yellow) type used for fixtures of Ø3.5 or smaller
- Hand tightened with 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



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



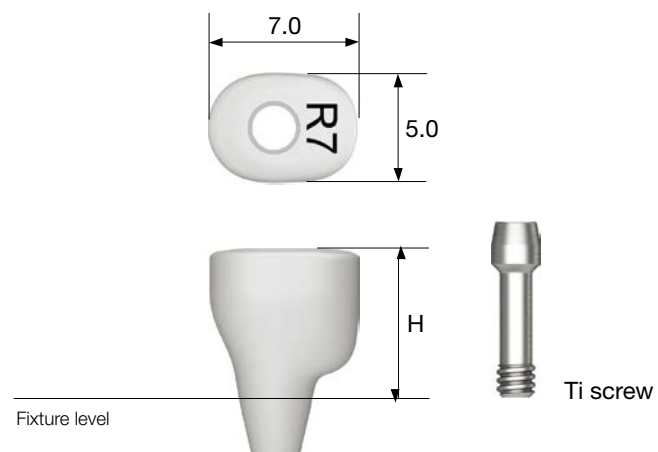
Ø4.0 TSHA403R TSHA404R TSHA405R TSHA406R TSHA407R TSHA409R
Ø4.5 TSHA453R TSHA454R TSHA455R TSHA456R TSHA457R TSHA459R
Ø5.0 TSHA503R TSHA504R TSHA505R TSHA506R TSHA507R TSHA509R
Ø6.0 TSHA603R TSHA604R TSHA605R TSHA606R TSHA607R TSHA609R
Ø7.0 TSHA703R TSHA704R TSHA705R TSHA706R TSHA707R TSHA709R
Ø8.0 - - TSHA805R - -

Custom Healing Abutment ^{10.2013}

- Used when healing abutment in the shape of a tooth is required
- Used by removing or with resin attached
- Material : Medical PEEK
- Dedicated titanium screw used
- Hand tightened with 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

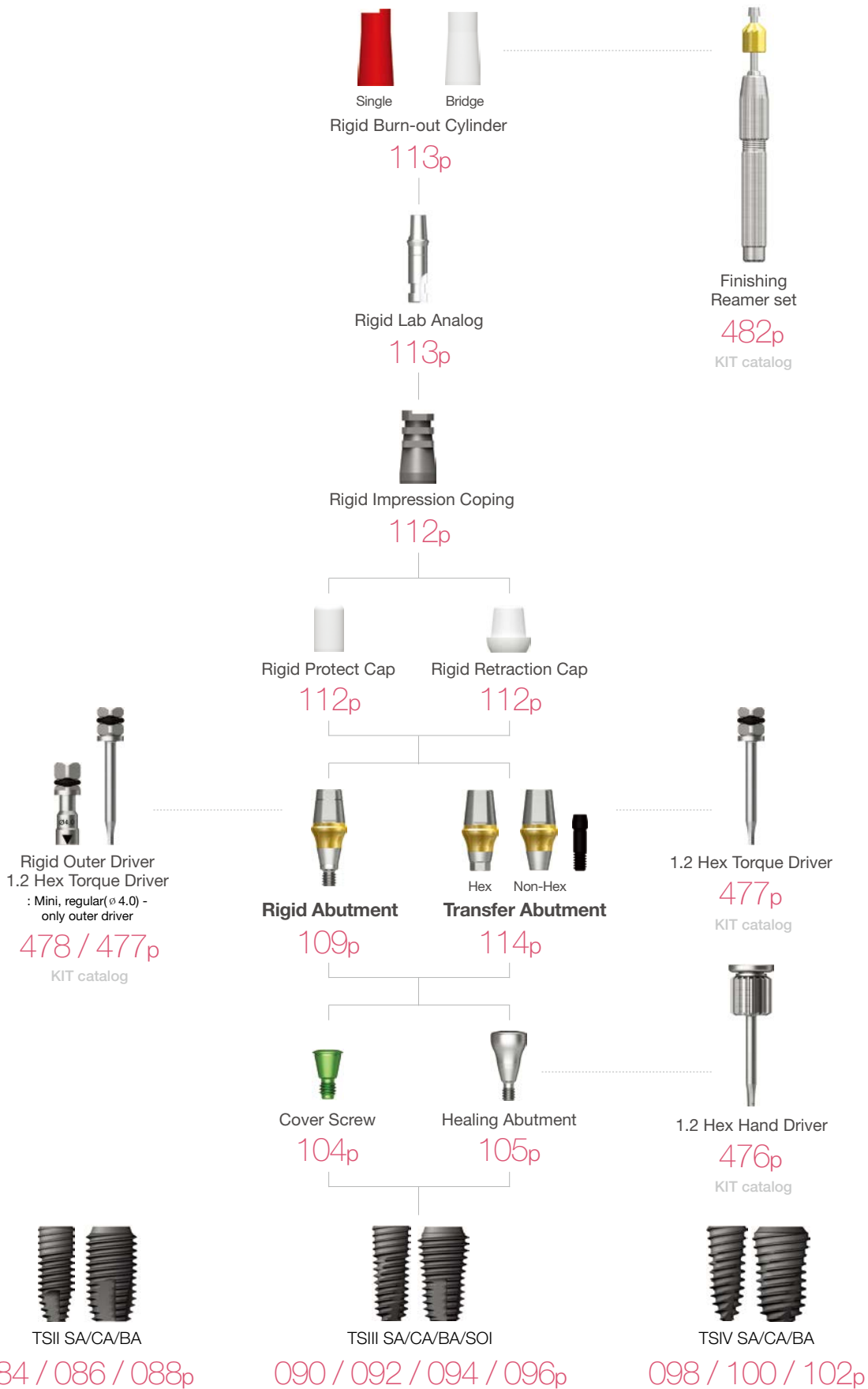


P \ H	5.0	7.0	9.0
M Ti screw : GSCHABSMT	TSCHAP M 5	TSCHAP M 7	TSCHAP M 9
R Ti screw : GSCHABSST	TSCHAP R 5	TSCHAP R 7	TSCHAP R 9



Rigid / Transfer

Abutment Level Impression

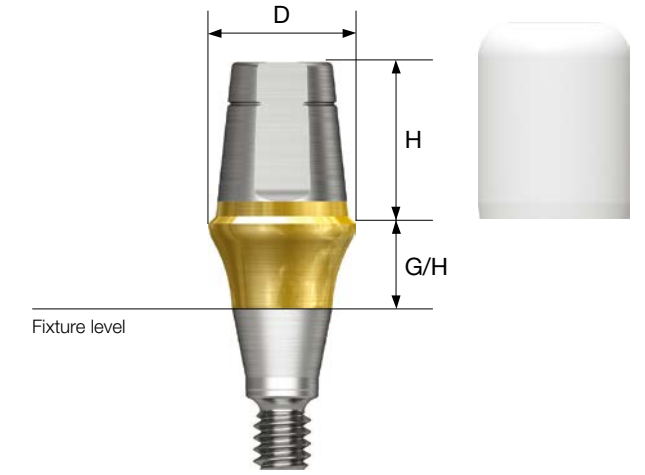


Rigid Abutment ^{01.2013}



- Abutment for producing cement-retained prosthesis
- Abutment level impression
- Ø4.0 : tightened with outer driver (code : ORDML/ORDMS)
- Ø4.5/5.0/6.0 : tightened with outer driver or 1.2 hex driver
- Ø7.0 : tightened with 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

Rigid Abutment ^{01.2013}

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	 GSRPC440	 GSRPC460	 GSRPC470
Ø 4.5 / Ø 4.5	GSRPC441	GSRPC461	GSRPC471
Ø 5.0	GSRPC540	GSRPC560	GSRPC570
Ø 6.0	GSRPC640	GSRPC660	GSRPC670
Ø 7.0	-	GSRPC760	-

Rigid Burn-out Cylinder

- Replacement of resin cap before wax up using rigid abutment
- Enabling the production of elaborate prosthesis with uniform interior
- Used after casting, after cleaning the margin for proper fitting




M Mini
R Regular

D \ Type	Single	Bridge
Ø 4.0 / Ø 4.0	 GSRP400S	 GSRP400B
Ø 4.5 / Ø 4.5	GSRP450S	GSRP450B
Ø 5.0	GSRP500S	GSRP500B
Ø 6.0	GSRP600S	GSRP600B
Ø 7.0	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	 GSRRC440	 GSRRC460	 GSRRC470
Ø 4.5 / Ø 4.5	GSRRC441	GSRRC461	GSRRC471
Ø 5.0	GSRRC540	GSRRC560	GSRRC570
Ø 6.0	GSRRC640	GSRRC660	GSRRC670
Ø 7.0	-	GSRRC760	-

Rigid Lab Analog

- Rigid abutment reproduction on model after impression
- 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	 GSRLA440	 GSRLA460	 GSRLA470
Ø 4.5 / Ø 4.5	GSRLA441	GSRLA461	GSRLA471
Ø 5.0	GSRLA540	GSRLA560	GSRLA570
Ø 6.0	GSRLA640	GSRLA660	GSRLA670
Ø 7.0	-	GSRLA760	-

Rigid Impression Coping

- Components for rigid abutment impression
- Enabling the production 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

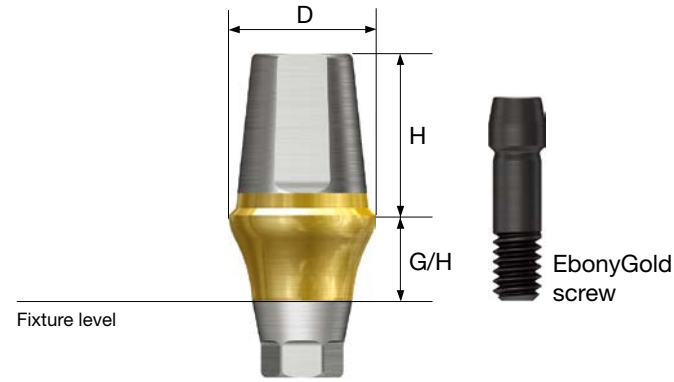
D \ H	4.0	5.5	7.0
Ø 4.0 / Ø 4.0	 GSRIC440S	 GSRIC460S	 GSRIC470S
Ø 4.5 / Ø 4.5	GSRIC441S	GSRIC461S	GSRIC471S
Ø 5.0	GSRIC540S	GSRIC560S	GSRIC570S
Ø 6.0	GSRIC640S	GSRIC660S	GSRIC670S
Ø 7.0	-	GSRIC760S	-

Transfer Abutment 01.2013

- Abutment for producing cement-retained/comboination prosthesis
- Fixture level impression
- Abutment level impression possible by rigid impression coping (except Ø4.0)
- Tightened with 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 : GSTA4621**WH**)



D Ø4.0



EbonyGold screw
: GSABSM

Abutment level
impression not
available

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0		GSTA4612	GSTA4622	GSTA4632	GSTA4642
Non-Hex	5.5					
	7.0		GSTA4612N	GSTA4622N	GSTA4632N	GSTA4642N
			GSTA4712N	GSTA4722N	GSTA4732N	GSTA4742N

		H \ G/H	5.0	6.0	7.0
Hex	5.5				
	7.0		GSTA4652	GSTA4662	GSTA4672
Non-Hex	5.5				
	7.0		GSTA4652N	GSTA4662N	GSTA4672N
			GSTA4752N	GSTA4762N	GSTA4772N

D Ø4.5



EbonyGold screw
: GSABSM

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0		GSTA4611	GSTA4621	GSTA4631	GSTA4641
Non-Hex	5.5					
	7.0		GSTA4611N	GSTA4621N	GSTA4631N	GSTA4641N
			GSTA4711N	GSTA4721N	GSTA4731N	GSTA4741N

		H \ G/H	5.0	6.0	7.0
Hex	5.5				
	7.0		GSTA4651	GSTA4661	GSTA4671
Non-Hex	5.5				
	7.0		GSTA4651N	GSTA4661N	GSTA4671N
			GSTA4751N	GSTA4761N	GSTA4771N

D Ø4.5



EbonyGold screw
: GSABSS

		H \ G/H	1.0	2.0	3.0	4.0
Hex	5.5					
	7.0		GSTAS4611	GSTAS4621	GSTAS4631	GSTAS4641
Non-Hex	5.5					
	7.0		GSTAS4611N	GSTAS4621N	GSTAS4631N	GSTAS4641N
			GSTAS4711N	GSTAS4721N	GSTAS4731N	GSTAS4741N

		H \ G/H	5.0	6.0	7.0
Hex	5.5				
	7.0		GSTAS4651	GSTAS4661	GSTAS4671
Non-Hex	5.5				
	7.0		GSTAS4651N	GSTAS4661N	GSTAS4671N
			GSTAS4751N	GSTAS4761N	GSTAS4771N

Transfer Abutment 01.2013

D Ø5.0



EbonyGold screw
: GSABSS

		H \ G/H	1.0	2.0	3.0	4.0
Hex	4.0		GSTA5410	GSTA5420	GSTA5430	GSTA5440
	5.5		GSTA5610	GSTA5620	GSTA5630	GSTA5640
	7.0		GSTA5710	GSTA5720	GSTA5730	GSTA5740
Non-Hex	4.0		GSTA5410N	GSTA5420N	GSTA5430N	GSTA5440N
	5.5		GSTA5610N	GSTA5620N	GSTA5630N	GSTA5640N
	7.0		GSTA5710N	GSTA5720N	GSTA5730N	GSTA5740N

D Ø6.0



EbonyGold screw
: GSABSS

		H \ G/H	5.0	6.0	7.0
Hex	4.0		GSTA6450	GSTA6460	GSTA6470
	5.5		GSTA6650	GSTA6660	GSTA6670
	7.0		GSTA6750	GSTA6760	GSTA6770
Non-Hex	4.0		GSTA6450N	GSTA6460N	GSTA6470N
	5.5		GSTA6650N	GSTA6660N	GSTA6670N
	7.0		GSTA6750N	GSTA6760N	GSTA6770N

		H \ G/H	5.0	6.0	7.0
Hex	4.0		GSTA5450	GSTA5460	GSTA5470
	5.5		GSTA5650	GSTA5660	GSTA5670
	7.0		GSTA5750	GSTA5760	GSTA5770
Non-Hex	4.0		GSTA5450N	GSTA5460N	GSTA5470N
	5.5		GSTA5650N	GSTA5660N	GSTA5670N
	7.0		GSTA5750N	GSTA5760N	GSTA5770N

D Ø7.0



EbonyGold screw
: GSABSS

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

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

D Ø6.0



EbonyGold screw
: GSABSS

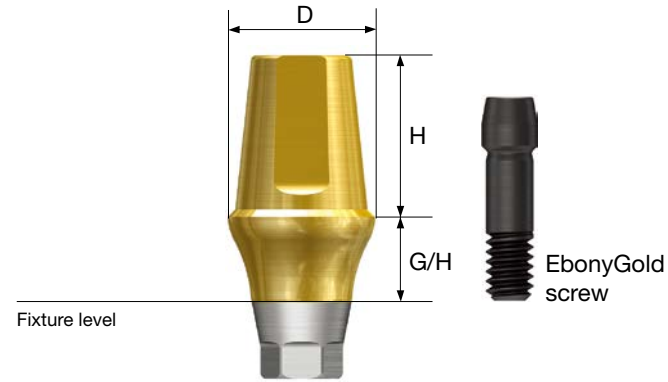
		H \ G/H	1.0	2.0	3.0	4.0
Hex	4.0		GSTA6410	GSTA6420	GSTA6430	GSTA6440
	5.5		GSTA6610	GSTA6620	GSTA6630	GSTA6640
	7.0		GSTA6710	GSTA6720	GSTA6730	GSTA6740
Non-Hex	4.0		GSTA6410N	GSTA6420N	GSTA6430N	GSTA6440N
	5.5		GSTA6610N	GSTA6620N	GSTA6630N	GSTA6640N
	7.0		GSTA6710N	GSTA6720N	GSTA6730N	GSTA6740N

Transfer ID Abutment 09.2014

• Transfer abutment not covered by insurance



Abutment + EbonyGold screw order code
: product code + WH (ex : BGSTA4621WH)



D Ø4.0



EbonyGold screw
: GSABSM

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



EbonyGold screw
: GSABSM

		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



EbonyGold screw
: GSABSS

		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 ID Abutment 09.2014

D Ø5.0



EbonyGold screw
: GSABSS

		H \ G/H	1.0	2.0	3.0	4.0
Hex	4.0		BGSTA5410	BGSTA5420	BGSTA5430	BGSTA5440
	5.5		BGSTA5610	BGSTA5620	BGSTA5630	BGSTA5640
	7.0		BGSTA5710	BGSTA5720	BGSTA5730	BGSTA5740
Non-Hex	4.0		BGSTA5410N	BGSTA5420N	BGSTA5430N	BGSTA5440N
	5.5		BGSTA5610N	BGSTA5620N	BGSTA5630N	BGSTA5640N
	7.0		BGSTA5710N	BGSTA5720N	BGSTA5730N	BGSTA5740N

D Ø6.0



EbonyGold screw
: GSABSS

		H \ G/H	5.0	6.0	7.0
Hex	4.0		BGSTA6450	BGSTA6460	BGSTA6470
	5.5		BGSTA6650	BGSTA6660	BGSTA6670
	7.0		BGSTA6750	BGSTA6760	BGSTA6770
Non-Hex	4.0		BGSTA6450N	BGSTA6460N	BGSTA6470N
	5.5		BGSTA6650N	BGSTA6660N	BGSTA6670N
	7.0		BGSTA6750N	BGSTA6760N	BGSTA6770N

		H \ G/H	5.0	6.0	7.0
Hex	4.0		BGSTA5450	BGSTA5460	BGSTA5470
	5.5		BGSTA5650	BGSTA5660	BGSTA5670
	7.0		BGSTA5750	BGSTA5760	BGSTA5770
Non-Hex	4.0		BGSTA5450N	BGSTA5460N	BGSTA5470N
	5.5		BGSTA5650N	BGSTA5660N	BGSTA5670N
	7.0		BGSTA5750N	BGSTA5760N	BGSTA5770N

D Ø7.0



EbonyGold screw
: GSABSS

		H \ G/H	1.0	2.0	3.0	4.0
Hex	4.0		BGSTA7410	BGSTA7420	BGSTA7430	BGSTA7440
	5.5		BGSTA7610	BGSTA7620	BGSTA7630	BGSTA7640
	7.0		BGSTA7710	BGSTA7720	BGSTA7730	BGSTA7740
Non-Hex	4.0		BGSTA7410N	BGSTA7420N	BGSTA7430N	BGSTA7440N
	5.5		BGSTA7610N	BGSTA7620N	BGSTA7630N	BGSTA7640N
	7.0		BGSTA7710N	BGSTA7720N	BGSTA7730N	BGSTA7740N

D Ø6.0



EbonyGold screw
: GSABSS

		H \ G/H	1.0	2.0	3.0	4.0
Hex	4.0		BGSTA6410	BGSTA6420	BGSTA6430	BGSTA6440
	5.5		BGSTA6610	BGSTA6620	BGSTA6630	BGSTA6640
	7.0		BGSTA6710	BGSTA6720	BGSTA6730	BGSTA6740
Non-Hex	4.0		BGSTA6410N	BGSTA6420N	BGSTA6430N	BGSTA6440N
	5.5		BGSTA6610N	BGSTA6620N	BGSTA6630N	BGSTA6640N
	7.0		BGSTA6710N	BGSTA6720N	BGSTA6730N	BGSTA6740N

		H \ G/H	5.0	6.0	7.0
Hex	4.0		BGSTA7450	BGSTA7460	BGSTA7470
	5.5		BGSTA7650	BGSTA7660	BGSTA7670
	7.0		BGSTA7750	BGSTA7760	BGSTA7770
Non-Hex	4.0		BGSTA7450N	BGSTA7460N	BGSTA7470N
	5.5		BGSTA7650N	BGSTA7660N	BGSTA7670N
	7.0		BGSTA7750N	BGSTA7760N	BGSTA7770N

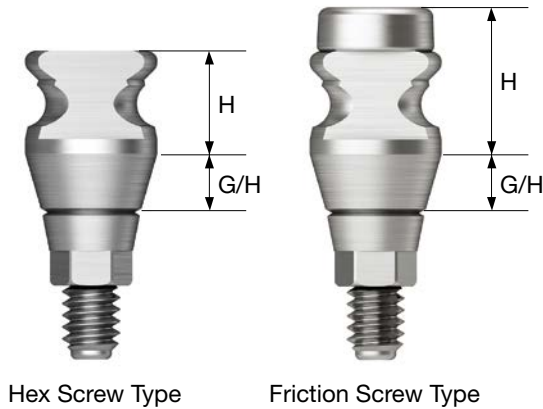
Transfer Abutment Components

Bite Impression Coping ²⁰¹⁸

- Components for fixture level impression taking
- Bite taking as well as impression taking
- 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

M Mini (Yellow)

R Regular (Green)



Bite Impression Coping Driver

Hex Screw Type ²⁰¹⁹

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

M Mini (Yellow)

R Regular (Green)



D \ H	G/H	2.0	3.0	4.0	5.0
Ø 4.0	3.5				
	5.5				
Ø 4.5	3.5				
	5.5				
Ø 5.0	3.5				
	5.5				

Friction Screw Type ²⁰¹⁸

- Used for tightening and loosening of bite impression coping
- Dedicated driver for friction screw type

M Mini (Yellow)

R Regular (Green)



D \ H	G/H	2.0	3.0	4.0	5.0
Ø 4.0	5.0				
	7.0				
Ø 4.5	5.0				
	7.0				
Ø 4.5	5.0				
	7.0				
Ø 5.0	5.0				
	7.0				

Bite Index

- Assembled to the fixture 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					

Transfer Abutment Components

Fixture Pick-up Impression Coping

- Components for fixture level impression taking
- Using open tray
- Unique design that is 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)

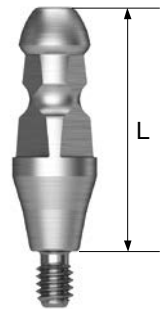


Fixture Transfer Impression Coping

- Components for fixture level impression taking
- Using closed tray
- Triangular are 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			
Ø 4.5		GSPIS4511	GSPIS4511N			
Ø 5.0		GSPIS5011	GSPIS5011N	GSPGPR100	GSPGPR150*	GSPGPR150L
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			
Ø 4.5		GSPIS4515	GSPIS4515N			
Ø 5.0		GSPIS5015	GSPIS5015N	GSPGPR100L	GSPGPR150L*	GSPGPR200L
Ø 6.0		GSPIS6015	GSPIS6015N			
Ø 7.0		GSPIS7015	GSPIS7015N			

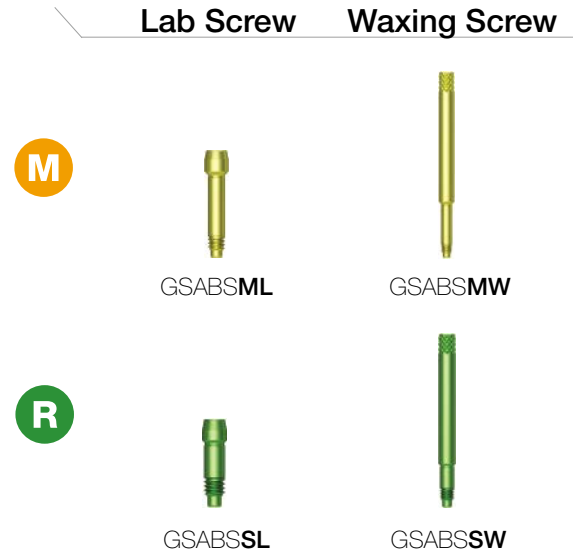
D \ L	11		14		
	Type	Hex	Non-Hex	Hex	Non-Hex
Ø 4.0		GSTIM4011	GSTIM4011N	GSTIM4014	GSTIM4014N
Ø 4.5		GSTIM4511	GSTIM4511N	GSTIM4514	GSTIM4514N
Ø 4.0		GSTIS4011	GSTIS4011N	GSTIS4014	GSTIS4014N
Ø 4.5		GSTIS4511	GSTIS4511N	GSTIS4514	GSTIS4514N
Ø 5.0		GSTIS5011	GSTIS5011N	GSTIS5014	GSTIS5014N
Ø 6.0		GSTIS6011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

Transfer Abutment Components

Laboratory Screw

- Lab screw : abutment screw for lab 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



Fixture Lab Analog

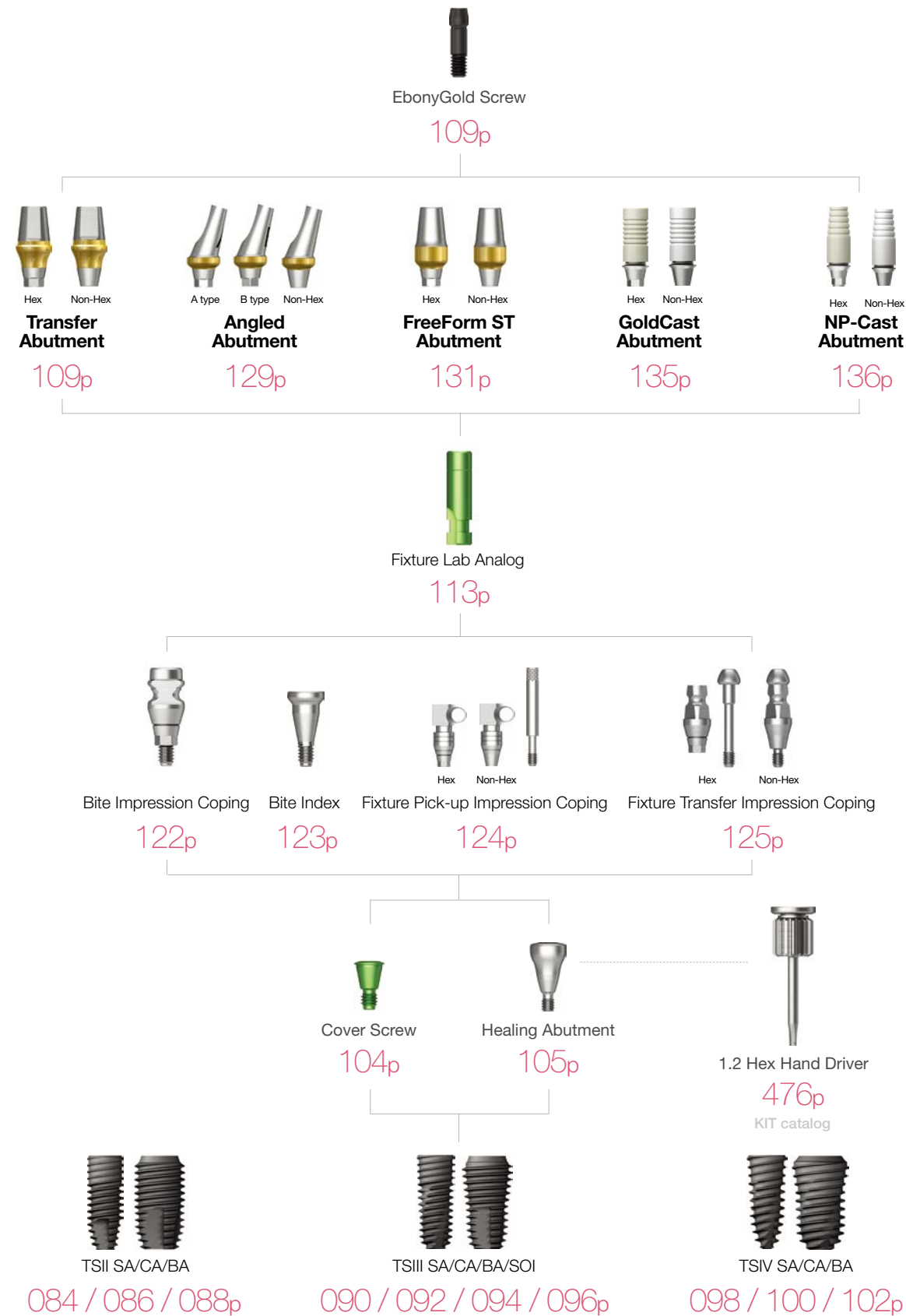
- Lab analog for fixture level impression
- Selected according to the diameter of a fixture : Ø3.0/3.5/4.0 or greater

- M** Mini
- R** Regular



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

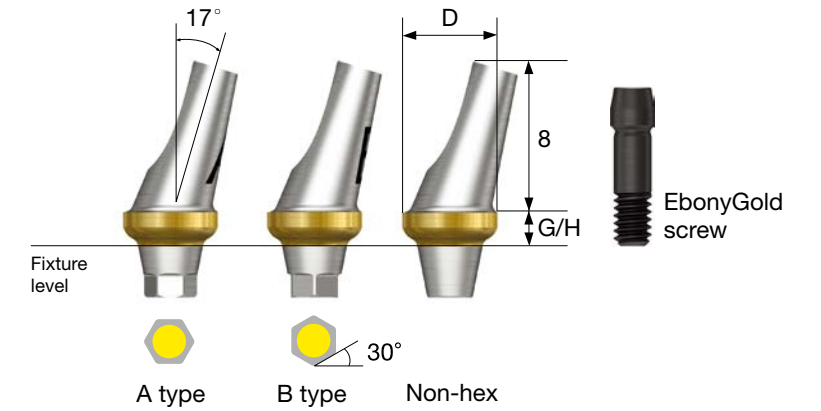
Fixture Level Impression



Angled Abutment 03.2015



- Abutment for producing cement-retained/combination prosthesis
- Fixture placement angle compensated up to 23° without removal
- Fixture 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 : 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 03.2015

D Ø4.5



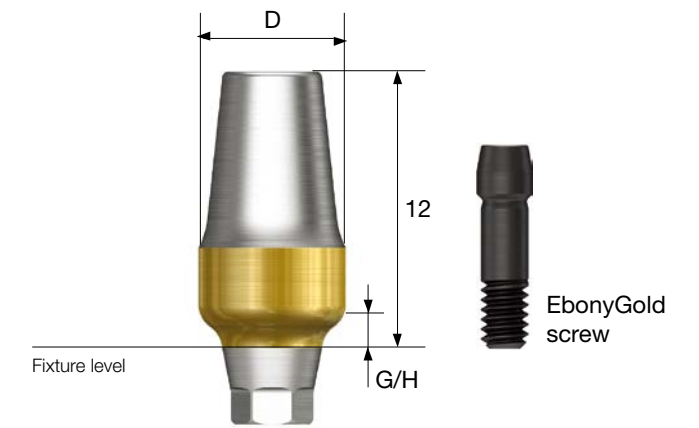
EbonyGold screw
: GSABSS

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

FreeForm ST Abutment 01.2013

- Abutment for producing cement-retained/combination prosthesis
- Used for adjusting the shape of the abutment margin
- Fixture 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 : GSFA5015**WH**)



D Ø5.0



EbonyGold screw
: GSABSS

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

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	2.0			4.0		
	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
	GSAA6020A	GSAA6020B	GSAA6020N	GSAA6040A	GSAA6040B	GSAA6040N

D Ø4.0



EbonyGold screw
: GSABSS

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

FreeForm ST Abutment ^{01.2013}

D Ø5.0 (Straight)



EbonyGold screw
: GSABSS

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

D Ø5.0



EbonyGold screw
: GSABSS

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

D Ø6.0



EbonyGold screw
: GSABSS

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

D Ø7.0



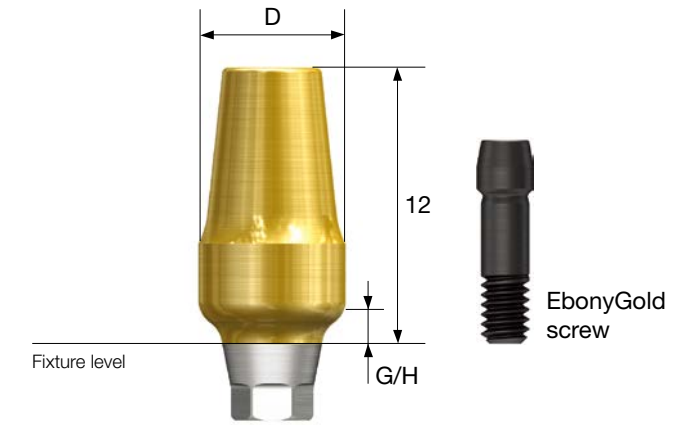
EbonyGold screw
: GSABSS

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

FreeForm ST ID Abutment ^{09.2014}

• FreeForm ST abutment not covered by insurance

Abutment + EbonyGold screw order code
: Product code + **WH** (ex : BGSFA5015**WH**)



D Ø4.0



EbonyGold screw
: GSABSM

G/H Type	1.5		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	BGSFAM4015	BGSFAM4015N	BGSFAM4030	BGSFAM4030N

D Ø4.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	BGSFA4015	BGSFA4015N	BGSFA4030	BGSFA4030N

FreeForm ST ID Abutment 09.2014

D Ø5.0 (Straight)



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	BGSFAS5015	BGSFAS5015N	BGSFAS5030	BGSFAS5030N

D Ø5.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	BGSFA5015	BGSFA5015N	BGSFA5030	GSFA5030NB

D Ø6.0



EbonyGold screw
: GSABSS

G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	BGSFA6015	BGSFA6015N	BGSFA6030	BGSFA6030N

D Ø7.0



EbonyGold screw
: GSABSS

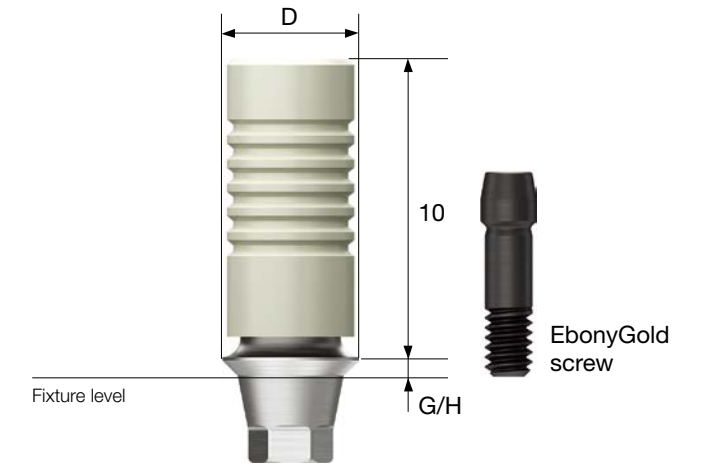
G/H Type	1.5		3.0	
	Hex	Non-Hex	Hex	Non-Hex
	BGSFA7015	BGSFA7015N	BGSFA7030	BGSFA7030N

GoldCast Abutment 04.2011



- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with gold alloy
- Abutment melting temperature : 1,400~1,450°C
- Fixture 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 : GSGA4510SWH)



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



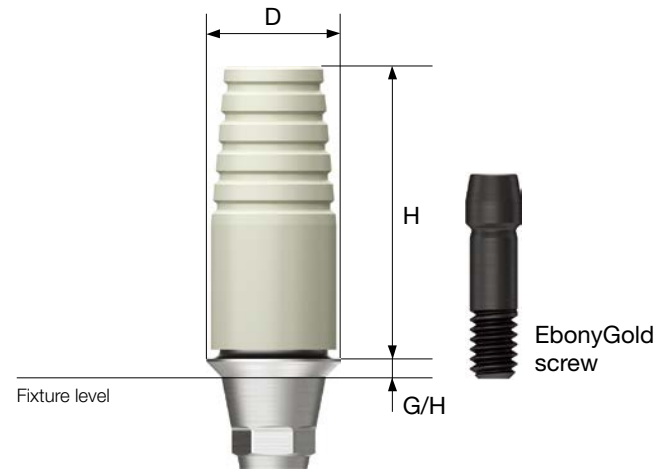
EbonyGold screw
: GSABSS

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

NP-Cast Abutment 05.2011



- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Abutment melting temperature : 1,400~1,550°C
- Fixture 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



D Ø4.5

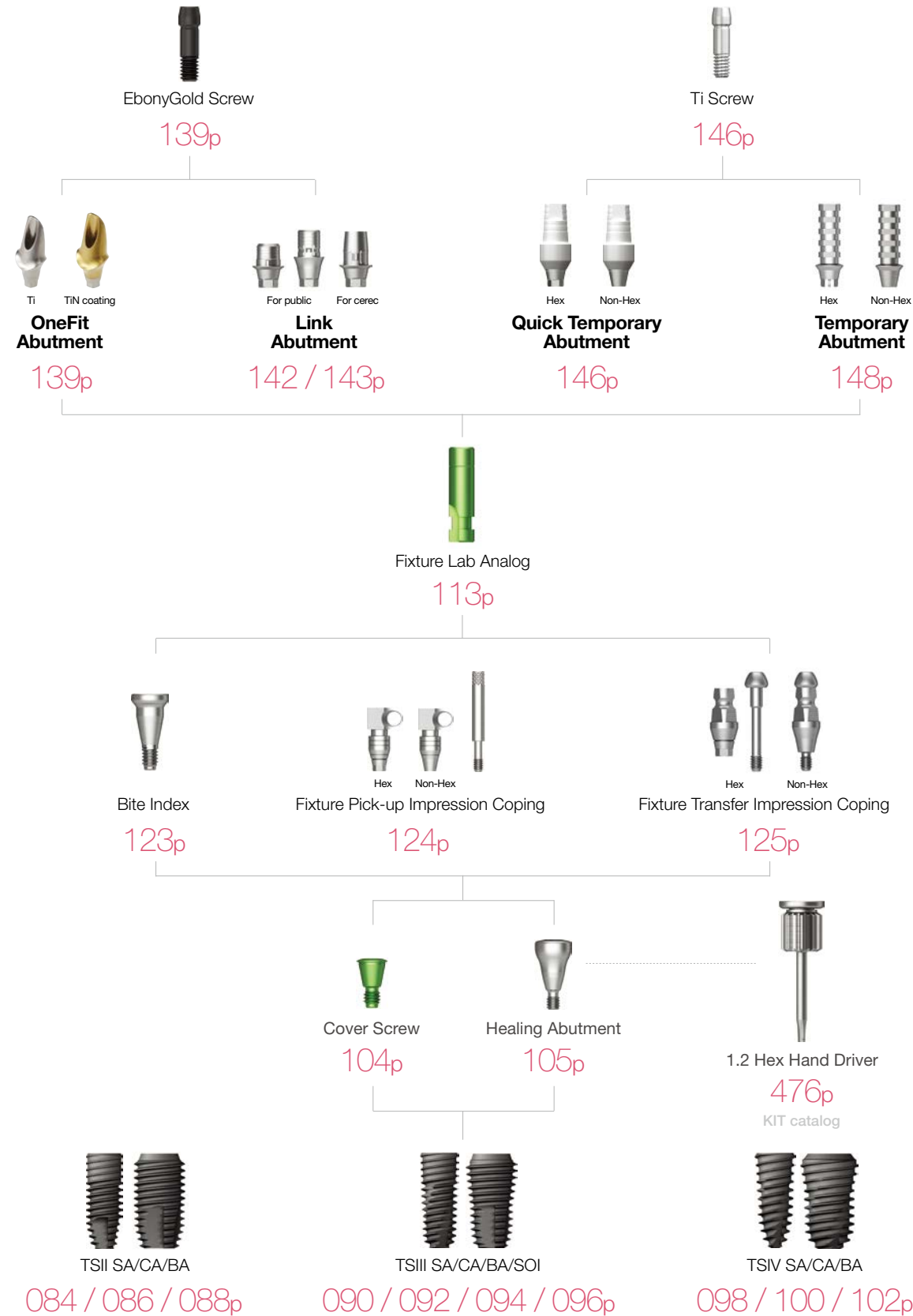


EbonyGold screw
: GSABSS

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

OneFit / Link / ZioCera / ZioCera Angled Temporary / Quick Temporary

Fixture Level Impression



OneFit Abutment ^{11.2010}



- Abutment for producing cement-retained/combination prosthesis
- Custom abutment produced using CAD/CAM
- Fixture level impression
- Enabling abutment level impression using scan healing abutment
- Production time (on the basis of working day)
 - Titanium : 5 days
 - Titanium + gold color : 7 days
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm (mini), 30Ncm (regular)
- Packing unit : Abutment + EbonyGold screw

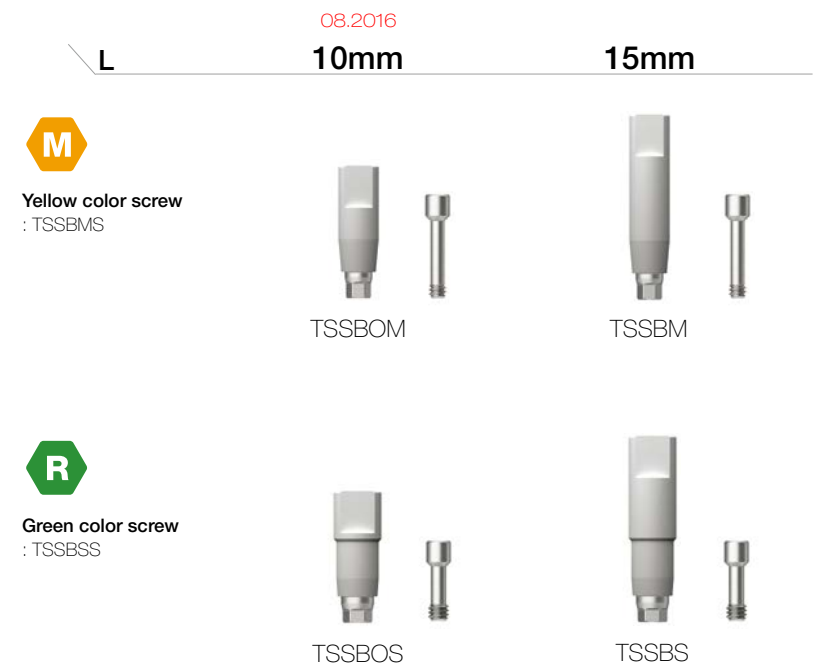


Scan Body

- Scan body for producing titanium custom abutment
- Model scan : Long (15mm)
- Intra oral scan : Short (10mm)
- Hand tightened with a 1.2 hex driver
- Packing unit : Scan body + Ti screw

Scan body + screw order code
: Product code + TH (ex : TSSBMTH)

M Mini
R Regular



Scan body (long type) or producing OneFit abutment for implants of other companies

D Type	DESBSTH	Purple anodizing screw
Di Type		
Dt Type	CUSBSTH	
M Type		

OneFit Zr Abutment

- Abutment for producing cement-retained/combination prosthesis
- Hybrid type custom abutment produced using CAD/CAM
- Material : Ti base + Zr coping
- Suitable for making aesthetic prosthesis for anterior region, etc.
- Fixture level impression
- Production time (on the basis of working day) : 7 days
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm (mini), 30Ncm (regular)
- Packing unit : Abutment assembly + EbonyGold screw



Pre-Milled Abutment ^{10.2016}

- Making custom abutment with dental milling equipment
- Easy identification of non-genuine product with osstem activation mark
- Superior tightening accuracy compared to non-genuine
- Dedicated lineup for various milling equipment
(milling manufacturers : Doowon, Vatech, Neo, Manix, and Zirkonzahn)
- Packing unit : Abutment + EbonyGold screw or Ti screw

Abutment + screw order code

: Product code + **WH** or **TH** (ex : TSPM10ARM**WH**)

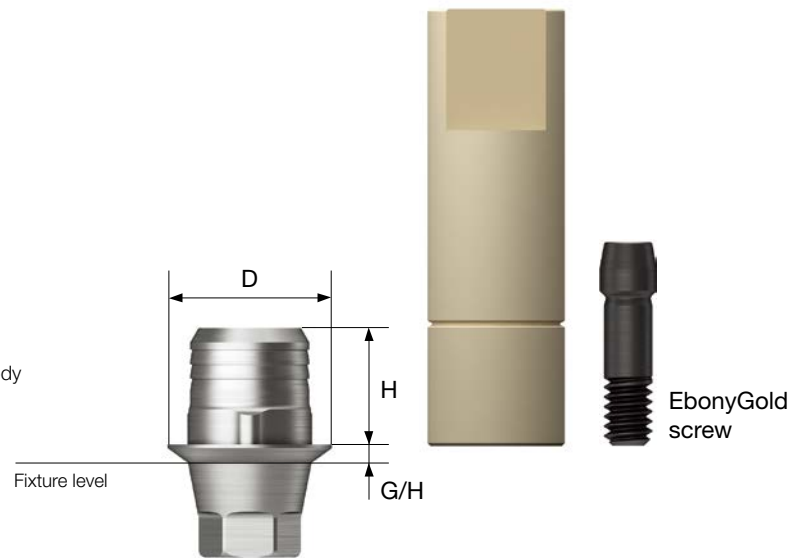


Equipment	Implant	D	Specifications	Code
Doowon ARUM Vatech imes-icore	Osstem TS	Ø10	Mini Hex	TSPM10ARMWH
			Mini Non-hex	TSPM10ARMNWH
	Regular Hex		TSPM10ARRWH	
	Regular Non-hex		TSPM10ARRNWH	
	D type		Regular Hex	DEPM10ARRTH
			Regular Non-hex	DEPM10ARRNTH
N type	Regular Hex	NEPM10ARRTH		
	Regular Non-hex	NEPM10ARRNTH		
Neo Cameleon	Osstem TS	Ø10	Mini Hex	TSPM10CAMWH
			Mini Non-hex	TSPM10CAMNWH
	Regular Hex		TSPM10CARWH	
	Regular Non-hex		TSPM10CARNWH	
	D type		Regular Hex	DEPM10CARTH
			Regular Non-hex	DEPM10CARNTH
N type	Regular Hex	NEPM10CARTH		
	Regular Non-hex	NEPM10CARNTH		
Zirkonzahn	Osstem TS	Ø10	Mini Hex	TSPM10ZKMWH
			Mini Non-hex	TSPM10ZKMNWH
			Regular Hex	TSPM10ZKRWH
Manix	Osstem TS	Ø10	Regular Non-hex	TSPM10ZKRNWH
			Mini Hex	TSPM10MXMWH
			Mini Non-hex	TSPM10MXMNWH
			Regular Hex	TSPM10MXRWH
			Regular Non-hex	TSPM10MXRNWH

Link Abutment for Public (A Type) ^{06.2016}

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Osstem's official implant library provided
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm (mini), 30Ncm (regular)
- Packing unit : Abutment + EbonyGold screw + Scan body

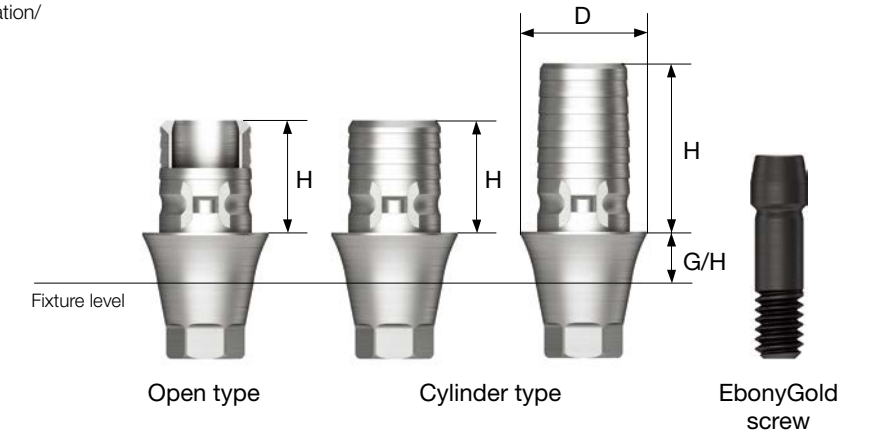
Abutment + EbonyGold screw + scan body
order code
 : Product code + **WH** (ex : TSPTB431R**WH**)



Link Abutment for Public (B Type) ^{06.2019}

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Osstem's official implant library provided
- Fixture 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 : TSPL4541R**WH**)



D Ø4.0



EbonyGold screw
 : GSABSM

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

D Ø4.5



EbonyGold screw
 : GSABSS

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

D Ø4.0



EbonyGold screw
 : GSABSM

H \ G/H Type	1.0				2.0				3.0				4.0			
	Hex	4.0 Open Type	TSPL4041M	TSPL4042M	TSPL4043M	TSPL4044M	4.0 Cylinder Type	TSPL4041C	TSPL4042C	TSPL4043C	TSPL4044C	6.0 Cylinder Type	TSPL4061M	TSPL4062M	TSPL4063M	TSPL4064M
Non-Hex	4.0 Open Type	TSPL4041MN	TSPL4042MN	TSPL4043MN	TSPL4044MN	4.0 Cylinder Type	TSPL4041CN	TSPL4042CN	TSPL4043CN	TSPL4044CN	6.0 Cylinder Type	TSPL4061MN	TSPL4062MN	TSPL4063MN	TSPL4064MN	

D Ø4.5



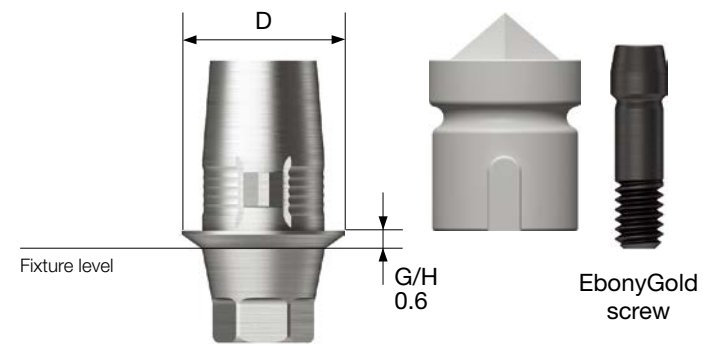
EbonyGold screw
 : GSABSS

H \ G/H Type	1.0				2.0				3.0				4.0			
	Hex	4.0 Open Type	TSPL4541R	TSPL4542R	TSPL4543R	TSPL4544R	4.0 Cylinder Type	TSPL4541C	TSPL4542C	TSPL4543C	TSPL4544C	6.0 Cylinder Type	TSPL4561R	TSPL4562R	TSPL4563R	TSPL4564R
Non-Hex	4.0 Open Type	TSPL4541RN	TSPL4542RN	TSPL4543RN	TSPL4544RN	4.0 Cylinder Type	TSPL4541CN	TSPL4542CN	TSPL4543CN	TSPL4544CN	6.0 Cylinder Type	TSPL4561RN	TSPL4562RN	TSPL4563RN	TSPL4564RN	

Link Abutment for Cerec ^{12.2015}

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Tightened with 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 : TSCTBR**WH**)



Scan Post

- Used for the scan body of Cerec link abutment with little vertical exposure
(If the fixture is deeply placed or the soft tissue is thick)
- Scanning by connecting the scan body
- Hand tightened with a 1.2 hex driver
- Packing unit : Scan post + Ti screw

Scan post + screw order code
: Product code + **TH** (ex : TSCSPR**TH**)

- M** Mini
- R** Regular



Yellow anodizing screw
: GSABSML



TSCSPM



Green anodizing screw
: GSABSSL



TSCSPR

Scan Body

- Connected to the Cerec link abutment or scan post for scanning
- Packing unit : 10ea



TSCSBS

D Ø4.5



EbonyGold screw
: GSABSM

Type Hex Non-Hex



TSCT**BM**



TSCT**BMN**

D Ø4.5



EbonyGold screw
: GSABSS

Type Hex Non-Hex



TSCT**BR**

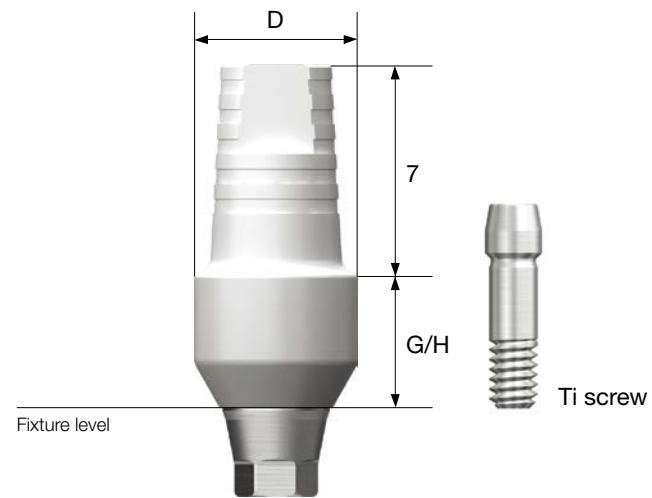


TSCT**BRN**

Quick Temporary Abutment ^{04.2012}

- Abutment for producing cement-retained/screw-retained prosthesis
- Used to produce 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 Ø4.5



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

03.2015

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



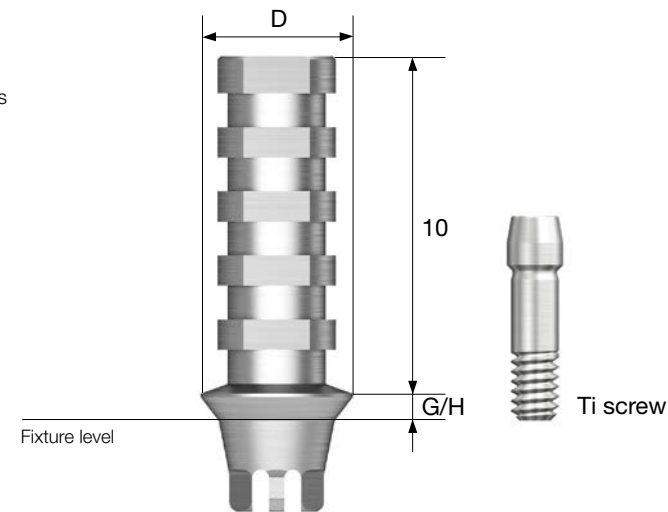
Ti screw
: GSABSMT

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

Temporary Abutment ^{11.2019}

- Abutment for producing cement-retained/screw-retained prosthesis
- Removed and used for producing temporary prosthesis (Ti Gr-3)
- Temporary fixation without screws possible with the hex holding structure added
- Fixture 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 : GSTTA4510**TH**)



D Ø4.0



Ti screw
 : GSABSMT

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



D Ø4.5

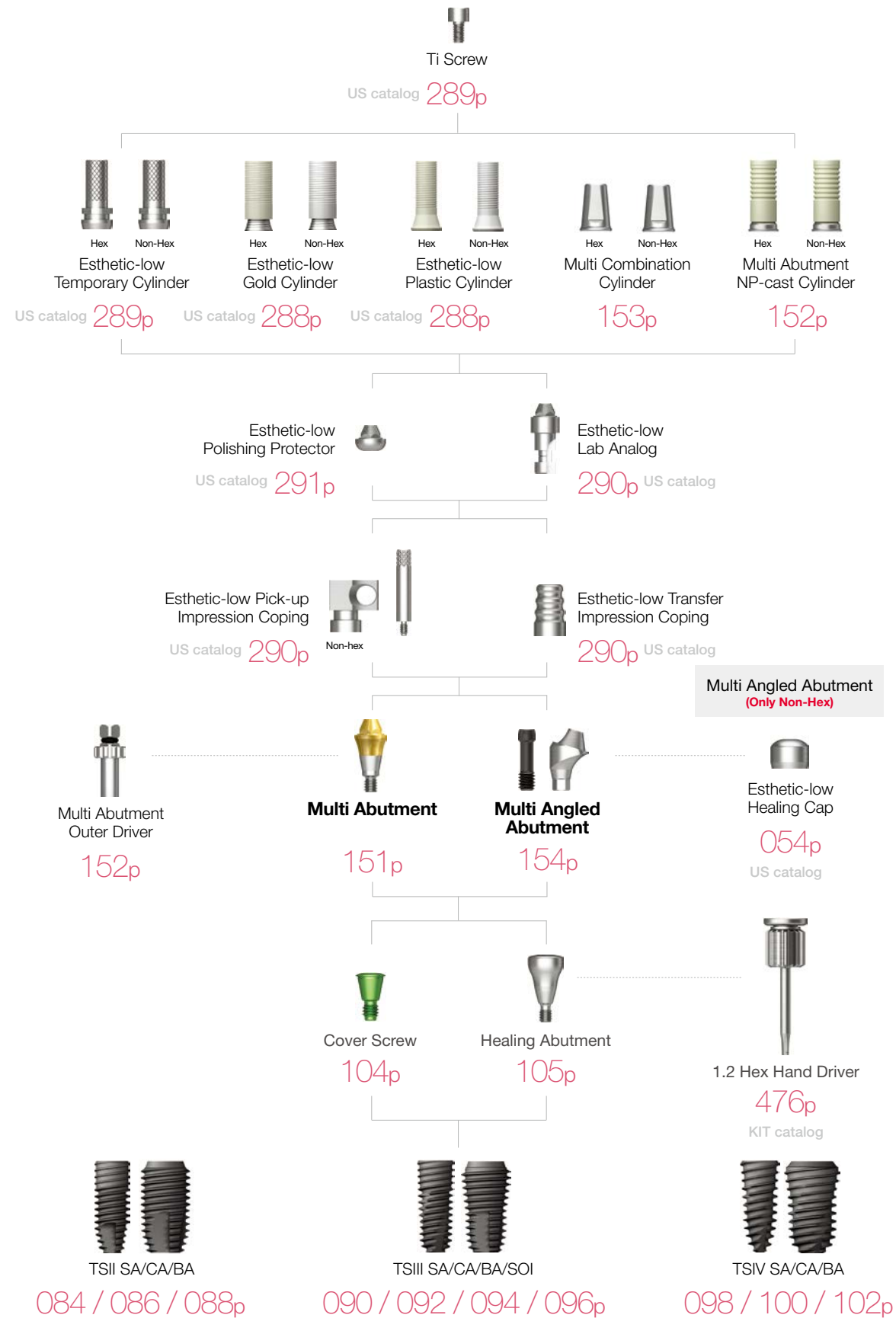


Ti screw
 : GSABSST

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

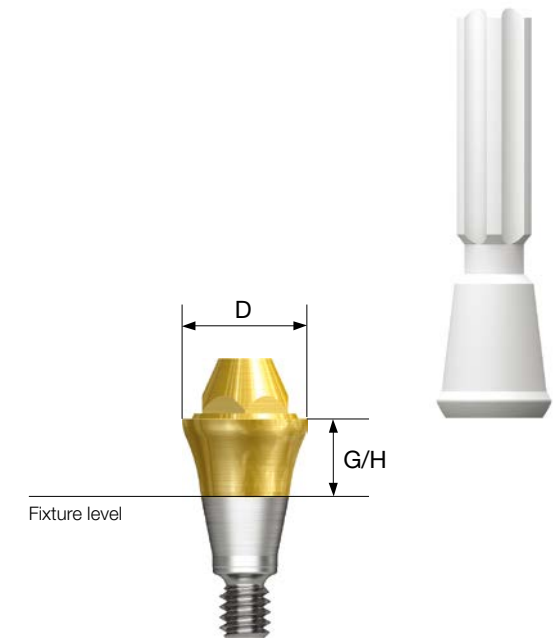
Multi / Multi Angled

Abutment Level Impression



Multi Abutment 08.2012

- Used for producing screw-retained prosthesis in multiple case
- Same platform as multi angled abutment
- Producing prosthesis with US 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 : TSMA5030P)

D Ø4.8



D Ø4.8



Multi Abutment Components

Multi Abutment Outer Driver

- Dedicated torque driver for multi abutment



MAOD

Multi Abutment Machine Driver

- Dedicated machine driver for multi abutment



MAMD

Multi Abutment NP-Cast Cylinder

- Used for producing screw-retained prosthesis in multi abutment
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Cylinder melting temperature : 1,400~1,550°C
- 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**)



Mini



Regular

Ti screw

: MTS200

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**)



Mini



Regular

Ti screw

: MTS200

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



TSMC500



TSMC500N

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



TSMN500

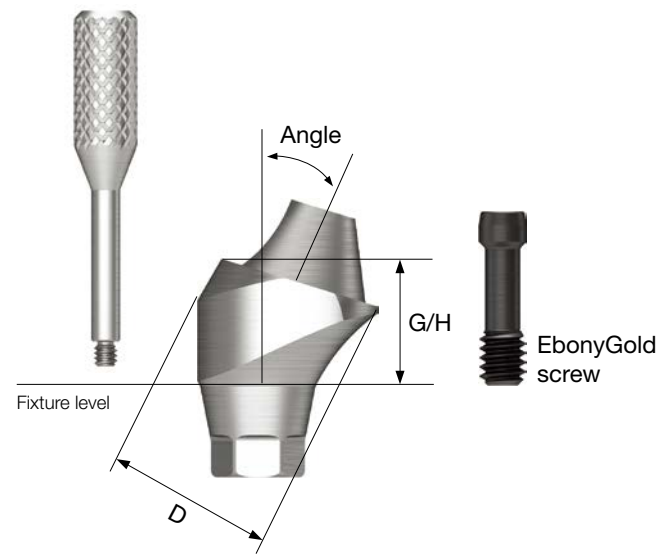


TSMN500N

Multi Angled Abutment 04.2014

- Used for producing screw-retained prosthesis in multiple case
- Same platform as multi abutment
- Fixture placement angle compensated up to 108°
- Producing prosthesis with US esthetic low cylinder (regular/non-hex)
- Using dedicated abutment screw
- 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
: P roduct 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

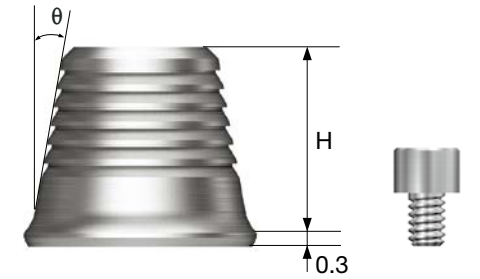
Angle \ G/H	2.5	3.0	4.0	5.0
17°	 GS17MAS4820	 GS17MAS4830	 GS17MAS4840	 GS17MAS4850

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

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 : TSMTB505**GTH**)



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

TS Multi Scan Body

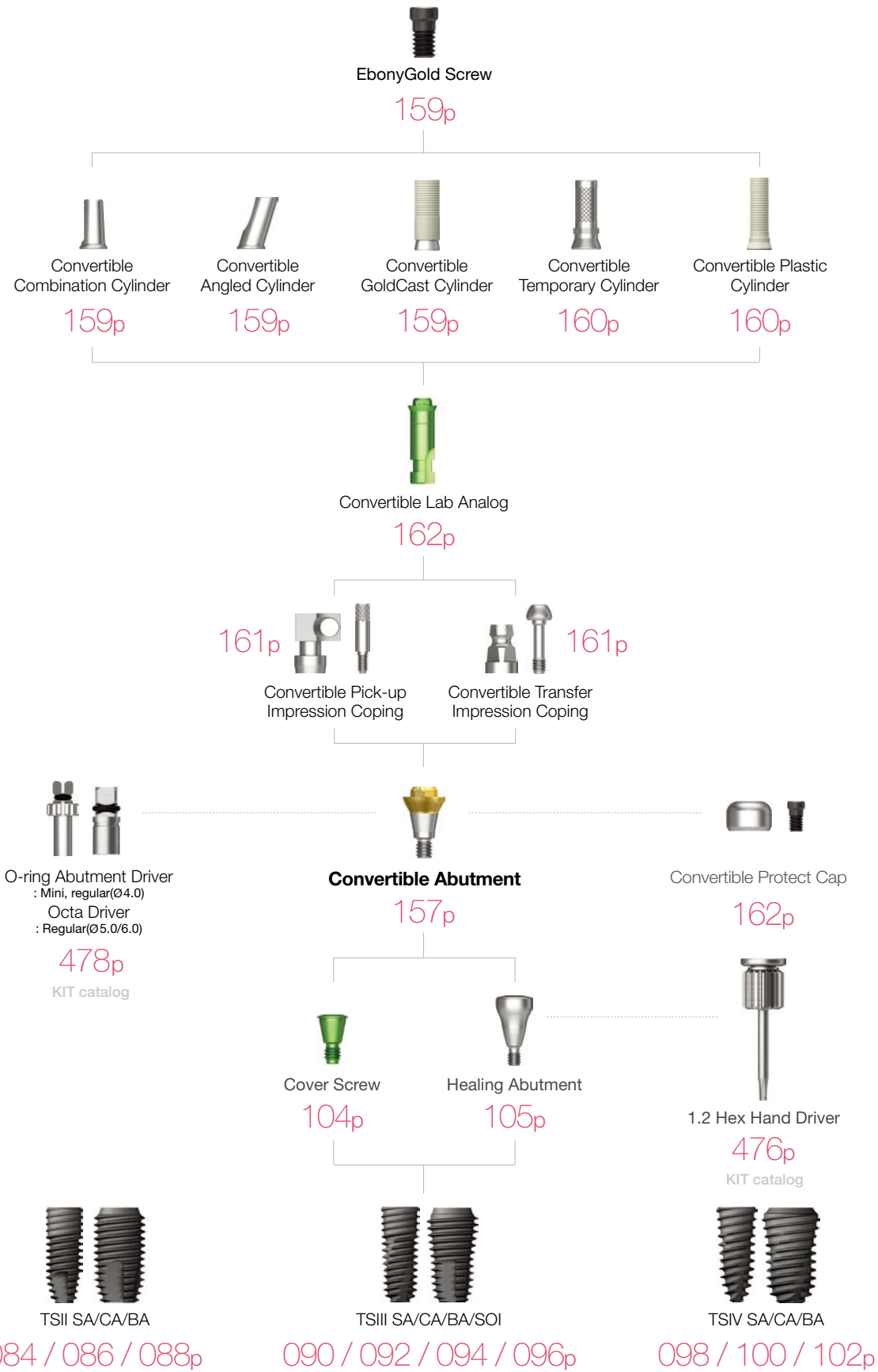
- Used by connecting to the TS multi abutment for oral scanning
- Used for non-hex type
- Hand tightened with a 1.2 hex driver



TSMSBC

Convertible

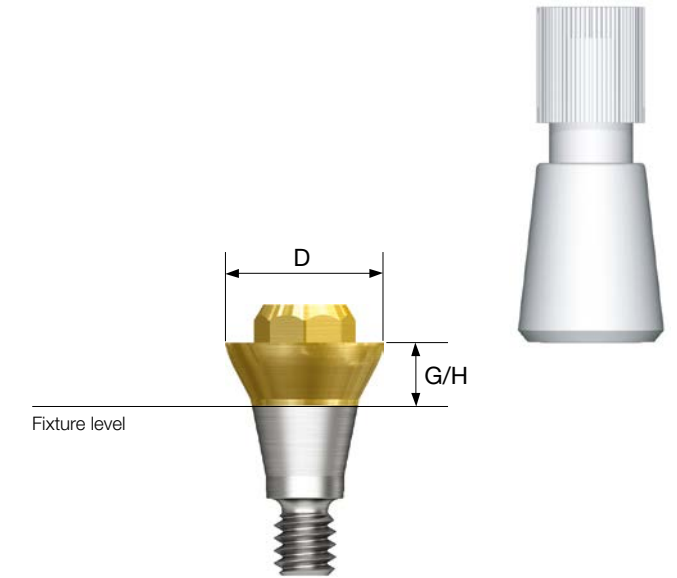
Abutment Level Impression



Convertible Abutment ^{01.2013}



- Used for producing combination/screw-retained prosthesis in multiple case
- Fixture placement angle compensated up to 60°
- Tightened with a dedicated outer driver
 - Ø4.0 : o-ring abutment driver (code : AORD)
 - Ø5.0/6.0 : octa abutment driver (code : ODSL/ODSS)
- Recommended tightening torque : 30Ncm (mini/regular)
- Packing unit : Abutment + Carrier



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

D Ø4.0



D Ø4.0



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 : GSCC5070**WH**)



D \ H	Type		
	Hex	Non-Hex	Octa
7.0			
Ø4.0/Ø4.0	GSCC4070T	GSCC4070TN	-
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 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 : GSAC5080**WH**)



D \ H	Type		
	Hex	Non-Hex	Octa
8.0			
Ø4.0/Ø4.0	GSAC4080T	GSAC4080TN	-
Ø5.0	-	-	GSAC5080T
Ø6.0	-	-	GSAC6080T

EbonyGold screw
: GSFSM (Ø4.0 Ø4.0)
: GSFSR (Ø5.0 Ø6.0)

Convertible GoldCast Cylinder

- Abutment for producing screw-retained prosthesis in convertible abutment
- Used to produce customized prosthesis by casting with gold alloy
- Cylinder melting temperature : 1400~1450°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**)



D \ H	Type		
	Hex	Non-Hex	Octa
12			
Ø4.0/Ø4.0	GSGC400	GSGC400N	-
Ø5.0	-	-	GSGC500
Ø6.0	-	-	GSGC600

EbonyGold screw
: GSFSM (Ø4.0 Ø4.0)
: GSFSR (Ø5.0 Ø6.0)

Convertible Abutment Components

Convertible Temporary Cylinder

- Abutment 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 : GSCTC500**TH**)

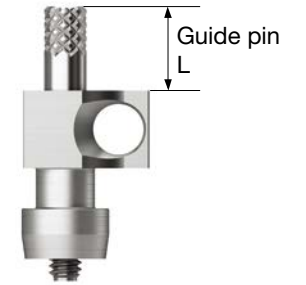


D \ H	Type	12		
		Hex	Non-Hex	Octa
Ø 4.0 / Ø 4.0		GSCTC400T	GSCTC400NT	-
Ø 5.0		-	-	GSCTC500T
Ø 6.0		-	-	GSCTC600T

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

Convertible Pick-up Impression Coping

- Components fixture level impression
- Convertible abutment pick up impression coping
- 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
Ø 5.0	GSPIC500 (Octa / Silver)	-	GSGP400L*
Ø 6.0	GSPIC600 (Octa / Blue)	-	GSGP500S
			GSGP500L*

Convertible Plastic Cylinder

- Abutment for producing screw-retained prosthesis in convertible abutment
- Used to produce customized prosthesis by casting with non precious metal alloy
- 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	Type	12		
		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

- 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

- 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)

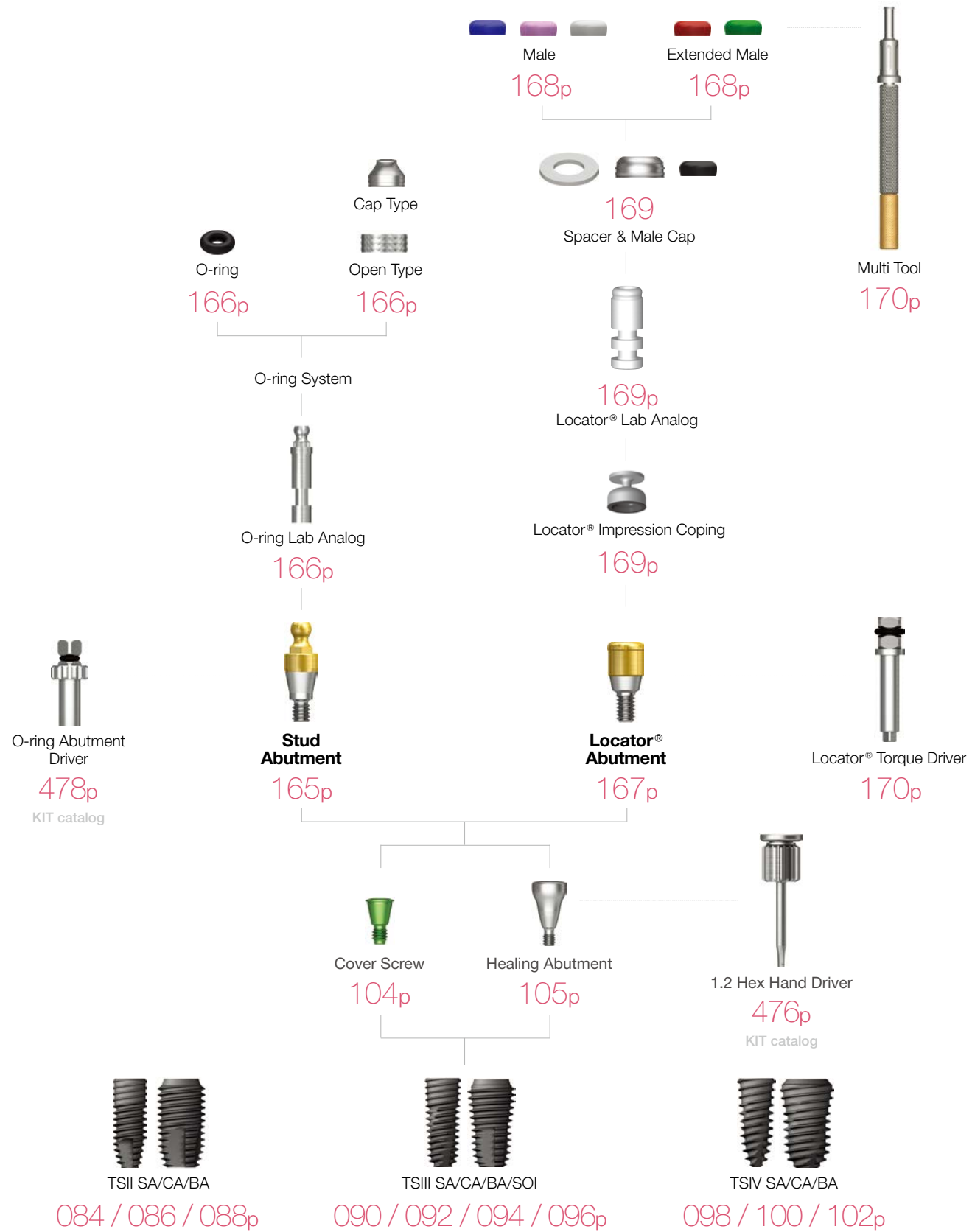
Convertible Polishing Protector

- Protecting GoldCast/plastic cylinder joints during polishing process
- Hand tightened with a 1.2 hex driver

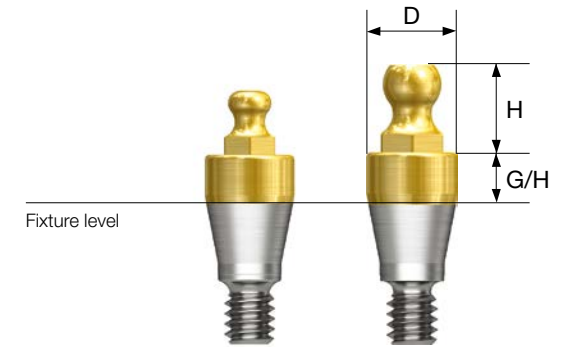
- M** Mini
- R** Regular

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

OSSTEM[®]
IMPLANT



- Abutment with o-ring attachment for overdenture
- Placement angle compensation up to 20°
- Tightened with a dedicated outer driver (code : AORD)
- Recommended tightening torque : 30Ncm (mini/regular)
- Ball head diameter
 - Small size : Ø1.7 (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 metal housing
- 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



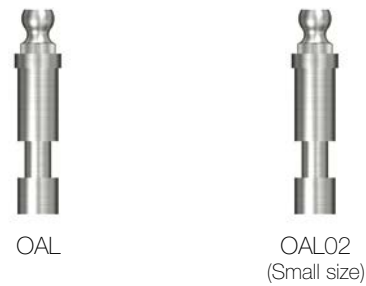
O-ring Set

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



O-ring Lab Analog

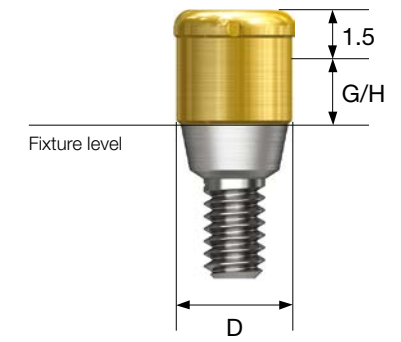
- Lab analog for O-ring abutment
- Packing unit : O-ring 5ea



Locator® Abutment ^{01.2010}

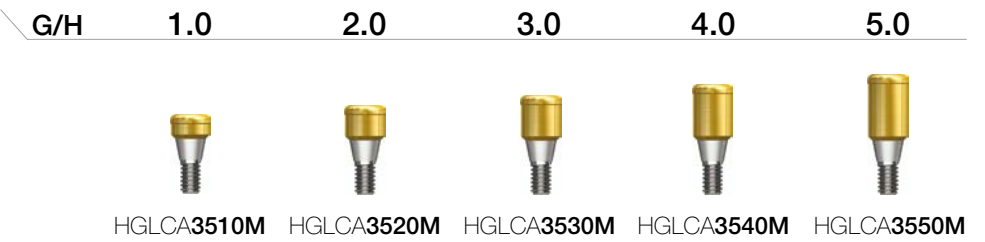


- Genuine zest anchors abutment
- Placement angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Tightened with a dedicated outer driver (code : TWLDLK/TWLDLSK)
- Recommended tightening torque : 30Ncm



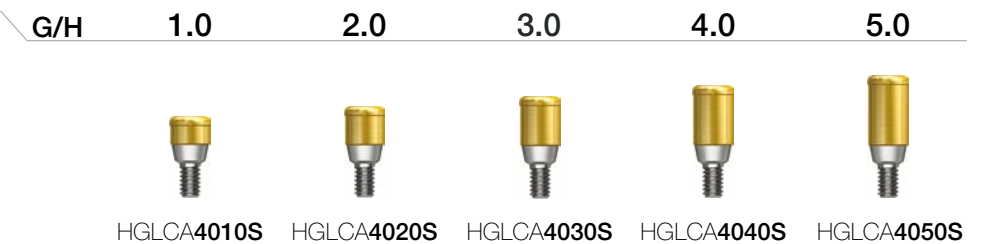
D Ø3.7

M



D Ø3.7

R



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 the adequate retention force for each case
- Locator core tool for replacing the male
- Packing unit : 2sets



Locator® Black Processing Male

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



Locator® Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20°
- Packing unit : 4ea



- Retention force : Approx. 22N
- Placement angle compensation up to 20°
- Packing unit : 4ea



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



Locator® Extended Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



Locator® Lab Analog

- Lab analog for locator abutment
- Packing unit : 2ea



Locator® Impression Coping

- Pick-up impression coping for locator abutment
- Closed tray
- Packing unit : Impression coping + Provisional male 1set



Locator® Abutment Components

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



Locator® Torque Driver

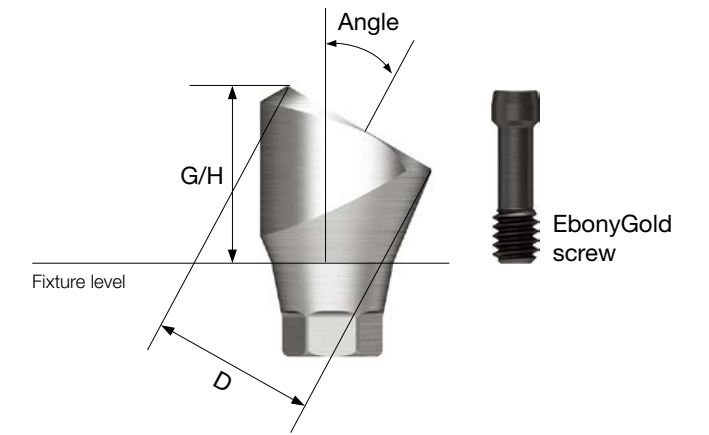
- Torque driver for locator abutment



Port Angled Abutment ^{01.2015}

- Used for placement angle compensation in overdenture
- Abutment level impression
- Placement angle compensation 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
: GSMABSM

Angle \ G/H	4.0	5.0
10°	 TS10PA454M	 TS10PA455M
17°	 TS17PA454M	 TS17PA455M
30°	 TS30PA454M	 TS30PA455M

Port Angled Abutment ^{01.2015}

D Ø4.6



EbonyGold screw
: GSMABSS

Angle \ G/H	4.0	5.0
10°	 TS10PA454R	 TS10PA455R
17°	 TS17PA454R	 TS17PA455R
30°	 TS30PA454R	 TS30PA455R

Port Angled Abutment Components

Port Angled Abutment Head

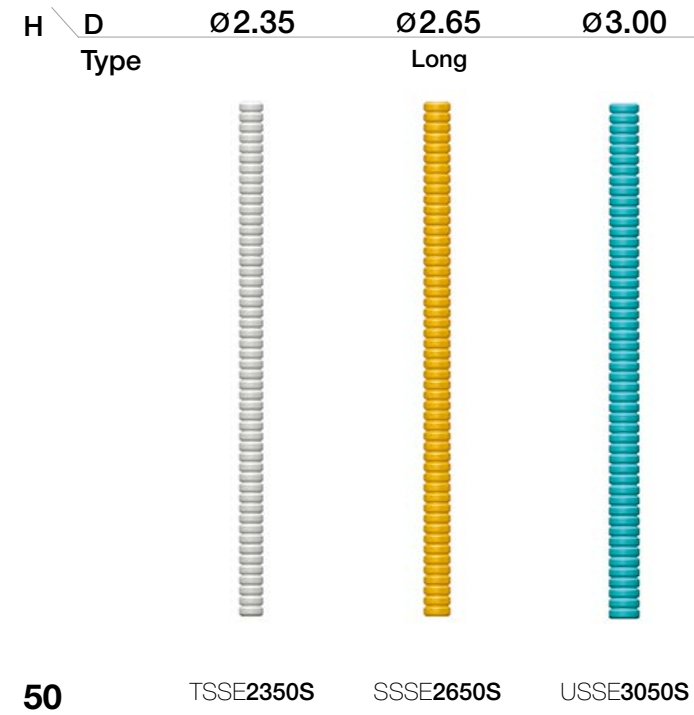
- Head connected to a Port Angled Abutment
- Torque using locator torque driver
- Recommended tightening torque : 20Ncm
- Packing unit : Abutment head + Carrier



PTAAH450P

OneSeal

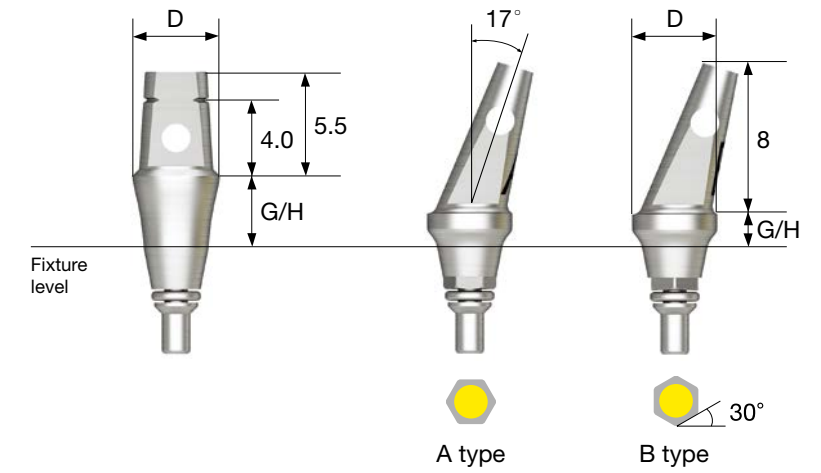
- Disposable medical devices for internal filling of superstructure
- Cut to desired length (medical silicone)
- Packing unit : short 10ea / long 5ea
- TS regular, US mini : TSSE2350S
- SS regular, US regular : SSSE2650S
- US wide : USSE3050S



- Component accessory; the ability to predict the final abutment specification
- Rigid, transfer, angled abutment limited
- PSU ring combination allows manual tightening and removal
- Hole for oral drop prevention

KIT order code : TSKCA (selection KIT)

- M** Mini (Yellow)
- R** Regular (Green)



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

Scan Healing Abutment ^{03.2018}

- Healing abutment with scan body function
- Specification by top maker shape (refer to table below)
- Abutment level impression
- Using a carrier, the scan healing abutment can be easily transported in the mouth
- Having screw for each length (not interchangeable)
- Hand tightened with a 1.2 hex driver
- Packing unit : Healing abutment body + screw

Abutment + Ti screw order code

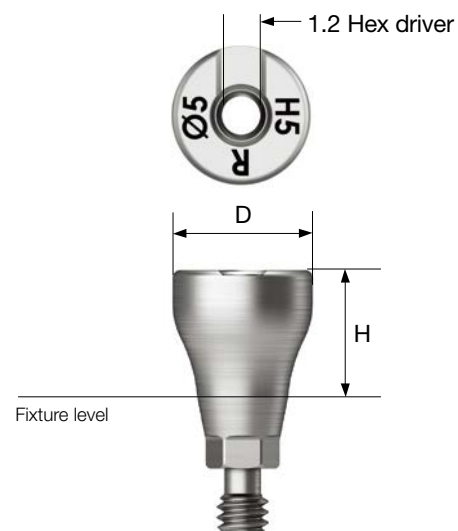
: Product code + TH (ex : TSSHA505RTH)

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



Scan Healing Abutment Components

Scan Healing Abutment Carrier ^{03.2018}

- Scan healing abutment is delivered in the oral cavity
- Selected according to body diameter
- Material : PEEK



H \ Scan Healing(D)	Ø 4.0	Ø 4.5	Ø 5.0	Ø 6.0	Ø 7.0
9.0	TSSHAC400	TSSHAC450	TSSHAC500	TSSHAC600	TSSHAC700

D \ H	3.0	4.0	5.0	7.0
*Partial Side Cut	TSSHA403M	TSSHA404M	TSSHA405M	TSSHA407M
	TSSHA453M	TSSHA454M	TSSHA455M	TSSHA457M

D \ H	3.0	4.0	5.0	7.0
*Cut to the Hole	TSSHA403R	TSSHA404R	TSSHA405R	TSSHA407R
	TSSHA453R	TSSHA454R	TSSHA455R	TSSHA457R
	TSSHA503R	TSSHA504R	TSSHA505R	TSSHA507R
	TSSHA603R	TSSHA604R	TSSHA605R	TSSHA607R
	TSSHA703R	TSSHA704R	TSSHA705R	TSSHA707R

OSSTEM[®]
IMPLANT



SS SYSTEM

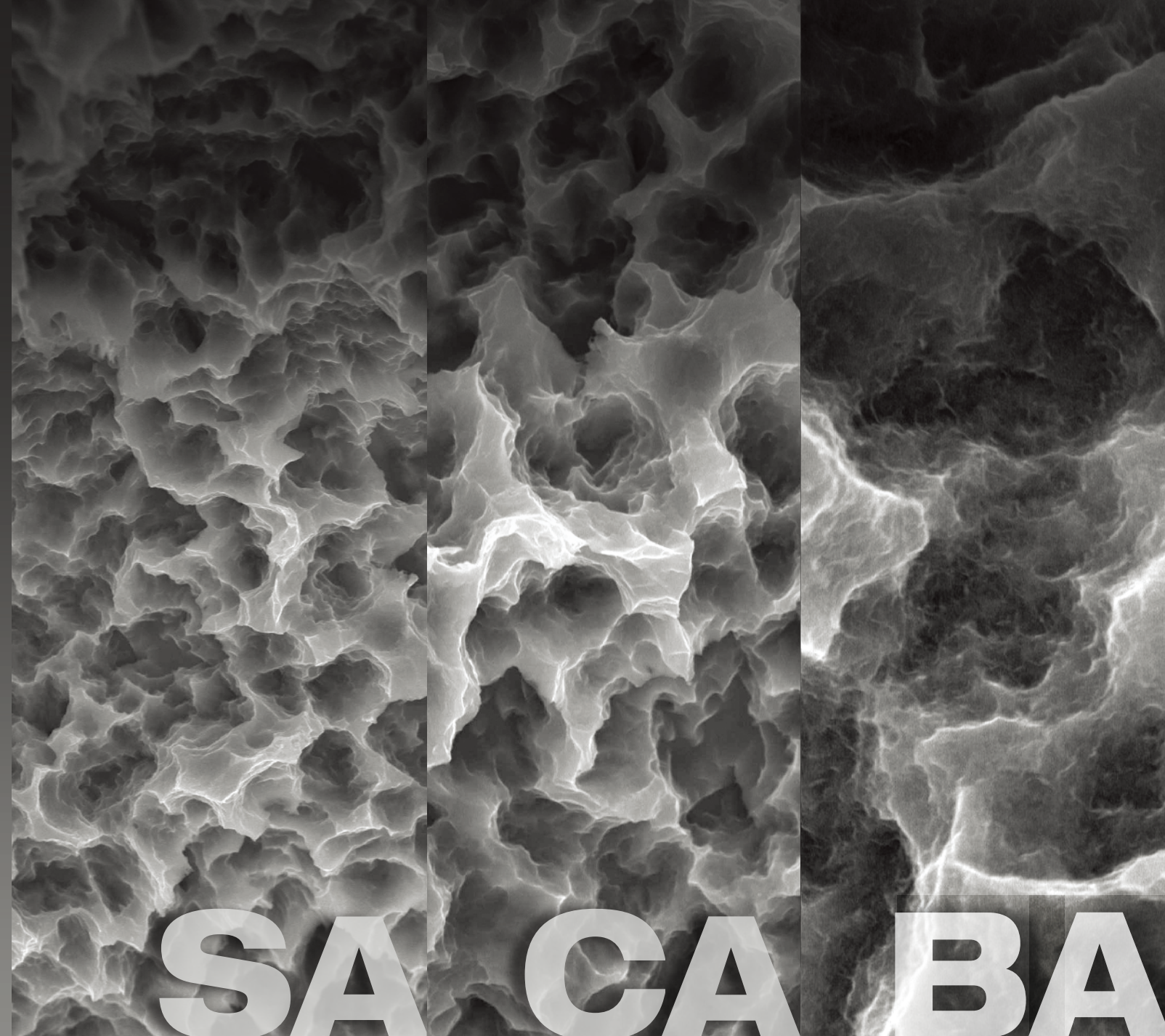
FIXTURE

- 182** SSII SA Fixture
- 184** SSII CA Fixture
- 186** SSII BA Fixture
- 188** SSIII SA Fixture
- 192** SSIII CA Fixture
- 196** SSIII BA Fixture
- 200** Simple Mount
- 200** Cover Screw
- 201** Closing Screw
- 202** Healing Abutment

COMPONENTS

- 204** PROSTHETIC FLOW DIAGRAM 1
- 205** Solid Abutment
- 208** Excellent Solid Abutment
- 212** PROSTHETIC FLOW DIAGRAM 2
- 213** ComOcta Abutment
- 216** ComOcta Plus Abutment
- 222** ComOcta Milling Abutment
- 223** ComOcta Gold Abutment
- 224** ComOcta NP-Cast Abutment
- 225** ComOcta Temporary Abutment
- 226** OneFit Abutment
- 227** Pre-Milled Abutment
- 228** ComOcta Angled Abutment
- 230** PROSTHETIC FLOW DIAGRAM 3
- 231** Octa Abutment
- 236** PROSTHETIC FLOW DIAGRAM 4
- 237** O-ring Abutment
- 239** Locator® Abutment
- 243** OneSeal

SS Design & Surface Feature



SS

SA

CA

BA

**Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
Abutment holding system enables screw fastening with one hand**

- Connection - Regular / Wide
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy placement path adjustment
 - Enhanced initial stability in soft bone and consistent placement torque according to the drill diameter
- Various body shape options available to match the patient's bone quality and clinical condition
 - SSII (straight body) : Easy to adjust placement depth
 - SSIII (1.5° tapered body) : Excellent initial stability needed for immediate loading even in soft bone
- Available surface types - SA / CA / BA



SS packaging color information

Optimized surface through acid treatment

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

In-vitro and In-vivo Bone Response

- Osteoblast separation and ossification improved by 20% compared to RBM treated implants
- Initial bone reaction performance in big animal model (mini-pig)
 - Initial stability (RT, 4 weeks) improved by 48% compared to RBM treated implants
 - Ossification (BIC, 4 weeks) improved by 20% compared to RBM treated implants

Super-hydrophilic SA surface suspended in a calcium solution

- Same surface morphology as SA surfaces
- Surface reaction activated by immersing in a calcium solution (CaCl₂)
- Increased new bone formation area with excellent blood wettability
- Bone response improved in early osseointegration stage compared to standard SA surface

In-vitro and In-vivo Bone Response

- Protein and cellular adhesion tripled compared to SA surfaces
- Initial cellular differentiation (7 days) improved by 19% compared to SA surfaces
- Initial stability (RT, 4 weeks) improved by 34% compared to SA surfaces
- Ossification (BIC, 4 weeks) improved by 26% compared to SA surfaces

Premium low crystalline nano-HA coated SA surface

- 10nm ultra-thin HA coating
- SA surface (Ra 2.0-3.011 μ m) coated with HA
- Dual functions of titanium and HA
 - HA is naturally resorbed during ossification

In-vitro and In-vivo Bone Response

- Advantages of both SA and HA surfaces
 - SA's ability to maintain an optimal surface
 - HA's ability to form high quality initial bone even in bone of poor quality
- Ossification (BIC) improved by 26% compared to SA surfaces
- Applicable to all types of bone quality

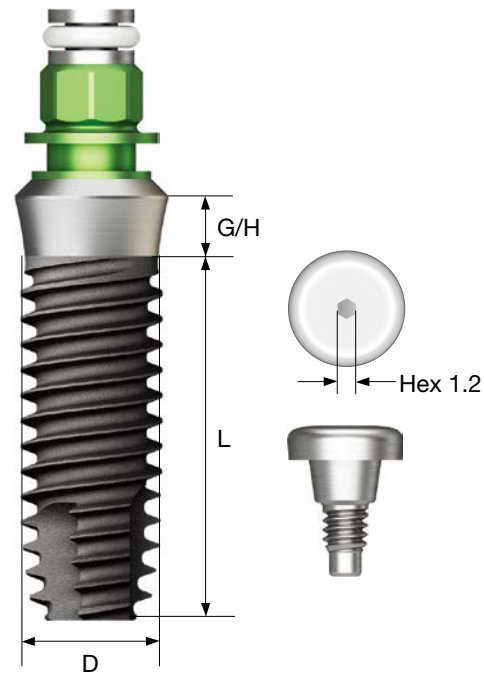
- Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
- Optimal thread design for realization of optimal SA surface
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code







: Fixture product code (ex : SS2R4011S18)

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






: A + Fixture product code (ex : ASS2R4011S18)








D Ø5.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
	 Short					
1.8	SS2W5006S18	SS2W5007S18	SS2W5008S18	SS2W5010S18	SS2W5011S18	SS2W5013S18
2.8	SS2W5006S28	SS2W5007S28	SS2W5008S28	SS2W5010S28	SS2W5011S28	SS2W5013S28






D Ø4.0
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
					
1.8	SS2R4007S18	SS2R4008S18	SS2R4010S18	SS2R4011S18	SS2R4013S18
2.8		SS2R4008S28	SS2R4010S28	SS2R4011S28	SS2R4013S28

D Ø4.5
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
					
1.8	SS2R4507S18	SS2R4508S18	SS2R4510S18	SS2R4511S18	SS2R4513S18
2.8		SS2R4508S28	SS2R4510S28	SS2R4511S28	SS2R4513S28

D Ø4.5
P Ø6.0
W

G/H \ L	7	8.5	10	11.5	13
					
1.8	SS2W4507S18	SS2W4508S18	SS2W4510S18	SS2W4511S18	SS2W4513S18
2.8	SS2W4507S28	SS2W4508S28	SS2W4510S28	SS2W4511S28	SS2W4513S28

Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

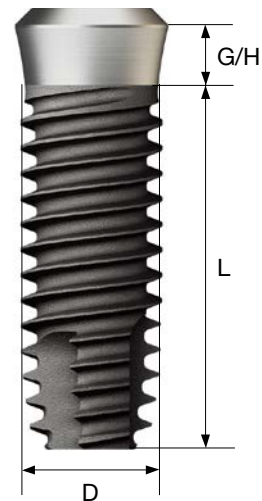
- Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
- Super-hydrophilic SA surface suspended in a calcium solution
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread

Ultra-wide

- Ideal for placement in a fresh extraction socket in the posterior area 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
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

: Fixture product code (ex : SS2R4010C18)



D Ø5.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W5006C18	SS2W5007C18	SS2W5008C18	SS2W5010C18	SS2W5011C18	SS2W5013C18
2.8	SS2W5006C28	SS2W5007C28	SS2W5008C28	SS2W5010C28	SS2W5011C28	SS2W5013C28

2016.04

Ultra-wide

D Ø6.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W6006C18	SS2W6007C18	SS2W6008C18	SS2W6010C18	SS2W6011C18	SS2W6013C18
2.8	SS2W6006C28	SS2W6007C28	SS2W6008C28	SS2W6010C28	SS2W6011C28	SS2W6013C28

D Ø7.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W7006C18	SS2W7007C18	SS2W7008C18	SS2W7010C18	SS2W7011C18	SS2W7013C18
2.8	SS2W7006C28	SS2W7007C28	SS2W7008C28	SS2W7010C28	SS2W7011C28	SS2W7013C28

Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

D Ø4.0
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS2R4007C18	SS2R4008C18	SS2R4010C18	SS2R4011C18	SS2R4013C18
2.8	-	SS2R4008C28	SS2R4010C28	SS2R4011C28	SS2R4013C28

D Ø4.5
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS2R4507C18	SS2R4508C18	SS2R4510C18	SS2R4511C18	SS2R4513C18
2.8	-	SS2R4508C28	SS2R4510C28	SS2R4511C28	SS2R4513C28

D Ø4.5
P Ø6.0
W

G/H \ L	7	8.5	10	11.5	13
1.8	SS2W4507C18	SS2W4508C18	SS2W4510C18	SS2W4511C18	SS2W4513C18
2.8	SS2W4507C28	SS2W4508C28	SS2W4510C28	SS2W4511C28	SS2W4513C28

- Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
- Premium low crystalline nano-HA coated SA surface
- Bioabsorbable coating layer with no fear of cracking and peeling
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread

Ultra-wide

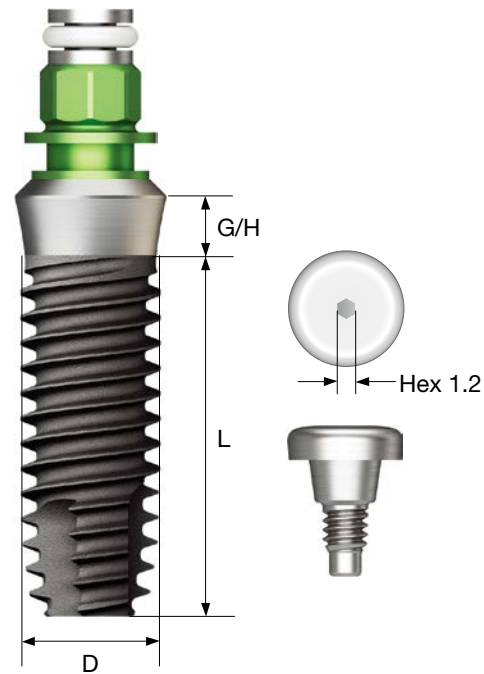
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤40 Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

: Fixture product code (ex : SS2R4011B18)

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

: A + Fixture product code (ex : ASS2R4011B18)



D Ø5.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W5006B18	SS2W5007B18	SS2W5008B18	SS2W5010B18	SS2W5011B18	SS2W5013B18
2.8	SS2W5006B28	SS2W5007B28	SS2W5008B28	SS2W5010B28	SS2W5011B28	SS2W5013B28

Ultra-wide

D Ø6.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W6006B18	SS2W6007B18	SS2W6008B18	SS2W6010B18	SS2W6011B18	SS2W6013B18
2.8	SS2W6006B28	SS2W6007B28	SS2W6008B28	SS2W6010B28	SS2W6011B28	SS2W6013B28

D Ø7.0
P Ø6.0
W

G/H \ L	6	7	8.5	10	11.5	13
Short						
1.8	SS2W7006B18	SS2W7007B18	SS2W7008B18	SS2W7010B18	SS2W7011B18	SS2W7013B18
2.8	SS2W7006B28	SS2W7007B28	SS2W7008B28	SS2W7010B28	SS2W7011B28	SS2W7013B28

Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

D Ø4.0
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS2R4007B18	SS2R4008B18	SS2R4010B18	SS2R4011B18	SS2R4013B18
2.8	-	SS2R4008B28	SS2R4010B28	SS2R4011B28	SS2R4013B28

D Ø4.5
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS2R4507B18	SS2R4508B18	SS2R4510B18	SS2R4511B18	SS2R4513B18
2.8	-	SS2R4508B28	SS2R4510B28	SS2R4511B28	SS2R4513B28

D Ø4.5
P Ø6.0
W

G/H \ L	7	8.5	10	11.5	13
1.8	SS2W4507B18	SS2W4508B18	SS2W4510B18	SS2W4511B18	SS2W4513B18
2.8	SS2W4507B28	SS2W4508B28	SS2W4510B28	SS2W4511B28	SS2W4513B28

SSIII SA Fixture ^{11.2011}

- Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
- Optimal thread design for realization of optimal SA surface
- Tapered body design for excellent initial stability
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

Ultra-wide

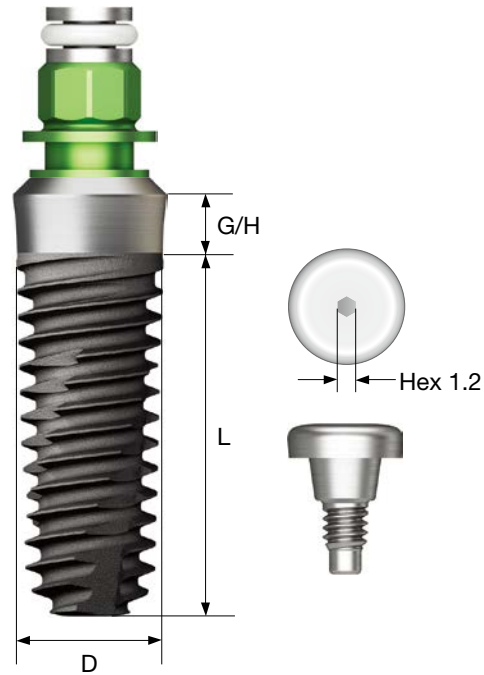
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

: Fixture product code (ex : SS3R4011S18)

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

: A + Fixture product code (ex : ASS3R4011S18)



D Ø4.5
P Ø4.8
R

G/H \ L	7	7	8.5	10	11.5	13
	Extra short					
0.8	SS3R4506S08	-	-	-	-	-
1.8	SS3R4506S18	SS3R4507S18	SS3R4508S18	SS3R4510S18	SS3R4511S18	SS3R4513S18
2.8	-	-	SS3R4508S28	SS3R4510S28	SS3R4511S28	SS3R4513S28

D Ø5.0
P Ø4.8
R

G/H \ L	6	7	8.5	10	11.5	13
	Short					
1.8	SS3R5006S18	SS3R5007S18	SS3R5008S18	SS3R5010S18	SS3R5011S18	SS3R5013S18
2.8	SS3R5006S28	SS3R5007S28	SS3R5008S28	SS3R5010S28	SS3R5011S28	SS3R5013S28

D Ø3.5
P Ø4.8
R

G/H \ L	8.5	10	11.5	13
1.8	SS3R3508S18	SS3R3510S18	SS3R3511S18	SS3R3513S18
2.8	SS3R3508S28	SS3R3510S28	SS3R3511S28	SS3R3513S28

D Ø4.0
P Ø4.8
R

G/H \ L	7	7	8.5	10	11.5	13
	Extra short					
0.8	SS3R4006S08	-	-	-	-	-
1.8	SS3R4006S18	SS3R4007S18	SS3R4008S18	SS3R4010S18	SS3R4011S18	SS3R4013S18
2.8	-	-	SS3R4008S28	SS3R4010S28	SS3R4011S28	SS3R4013S28

D Ø4.5
P Ø6.0
W

G/H \ L	7	7	8.5	10	11.5	13
	Extra short					
0.8	SS3W4506S08	-	-	-	-	-
1.8	SS3W4506S18	SS3W4507S18	SS3W4508S18	SS3W4510S18	SS3W4511S18	SS3W4513S18
2.8	-	SS3W4507S28	SS3W4508S28	SS3W4510S28	SS3W4511S28	SS3W4513S28

D Ø5.0
P Ø6.0
W







G/H \ L	6	6	6	7	8.5	10	11.5	13
	Extra short	Extra short	Short					
0.8	SS3W5004S08	SS3W5005S08	-	-	-	-	-	-
1.8	-	SS3W5005S18	SS3W5006S18	SS3W5007S18	SS3W5008S18	SS3W5010S18	SS3W5011S18	SS3W5011S18
2.8	-	-	SS3W5006S28	SS3W5007S28	SS3W5008S28	SS3W5010S28	SS3W5011S28	SS3W5011S28

Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

Ultra-wide

D \varnothing 6.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
		 Short					
1.8		SS3W6006S18	SS3W6007S18	SS3W6008S18	SS3W6010S18	SS3W6011S18	SS3W6013S18
2.8		SS3W6006S28	SS3W6007S28	SS3W6008S28	SS3W6010S28	SS3W6011S28	SS3W6013S28

D \varnothing 7.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
		 Short					
1.8		SS3W7006S18	SS3W7007S18	SS3W7008S18	SS3W7010S18	SS3W7011S18	SS3W7013S18
2.8		SS3W7006S28	SS3W7007S28	SS3W7008S28	SS3W7010S28	SS3W7011S28	SS3W7013S28



Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

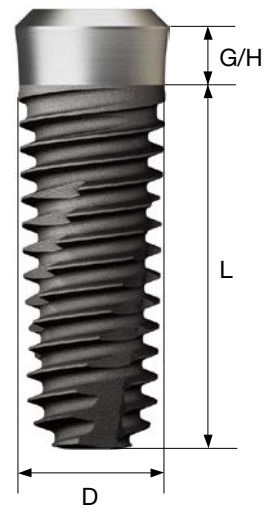
- Non-submerged type implant with an internal octa 8° tapered connection based on one-time procedure
- Super-hydrophilic SA surface suspended in a calcium solution
- Tapered body design for excellent initial stability
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

Ultra-wide

- Ideal for placement in an fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in an fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

: Fixture product code (ex : SS3R4011C18)



D Ø4.5
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS3R4507C18	SS3R4508C18	SS3R4510C18	SS3R4511C18	SS3R4513C18
2.8	-	SS3R4508C28	SS3R4510C28	SS3R4511C28	SS3R4513C28

D Ø5.0
P Ø4.8
R

G/H \ L	6	7	8.5	10	11.5	13
1.8	SS3R5006C18	SS3R5007C18	SS3R5008C18	SS3R5010C18	SS3R5011C18	SS3R5013C18
2.8	SS3R5006C28	SS3R5007C28	SS3R5008C28	SS3R5010C28	SS3R5011C28	SS3R5013C28

D Ø3.5
P Ø4.8
R

G/H \ L	8.5	10	11.5	13
1.8	SS3R3508C18	SS3R3510C18	SS3R3511C18	SS3R3513C18
2.8	SS3R3508C28	SS3R3510C28	SS3R3511C28	SS3R3513C28

D Ø4.0
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS3R4007C18	SS3R4008C18	SS3R4010C18	SS3R4011C18	SS3R4013C18
2.8	-	SS3R4008C28	SS3R4010C28	SS3R4011C28	SS3R4013C28

D Ø4.5
P Ø6.0
W

G/H \ L	7	8.5	10	11.5	13
1.8	SS3W4507C18	SS3W4508C18	SS3W4510C18	SS3W4511C18	SS3W4513C18
2.8	SS3W4507C28	SS3W4508C28	SS3W4510C28	SS3W4511C28	SS3W4513C28







D Ø5.0
P Ø6.0
W







G/H \ L	6	7	8.5	10	11.5	13
1.8	SS3W5006C18	SS3W5007C18	SS3W5008C18	SS3W5010C18	SS3W5011C18	SS3W5011C18
2.8	SS3W5006C28	SS3W5007C28	SS3W5008C28	SS3W5010C28	SS3W5011C28	SS3W5011C28

Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

Ultra-wide

D \varnothing 6.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
							
		Short					
1.8		SS3W6006C18	SS3W6007C18	SS3W6008C18	SS3W6010C18	SS3W6011C18	SS3W6013C18
2.8		SS3W6006C28	SS3W6007C28	SS3W6008C28	SS3W6010C28	SS3W6011C28	SS3W6013C28

D \varnothing 7.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
							
		Short					
1.8		SS3W7006C18	SS3W7007C18	SS3W7008C18	SS3W7010C18	SS3W7011C18	SS3W7013C18
2.8		SS3W7006C28	SS3W7007C28	SS3W7008C28	SS3W7010C28	SS3W7011C28	SS3W7013C28



Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

- Non-submerged type implant with an internal octa 8° tapered connection based on 1st stage surgery
- Premium low crystalline nano-HA coated SA surface
- Tapered body design for excellent initial stability
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

Ultra-wide

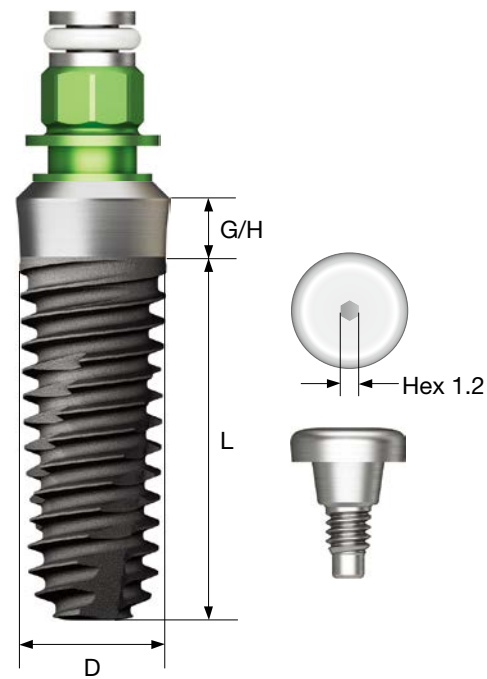
- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in a fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

: Fixture product code (ex : SS3R4011B18)

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

: A + Fixture product code (ex : ASS3R4011B18)



D Ø4.5
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS3R4507B18	SS3R4508B18	SS3R4510B18	SS3R4511B18	SS3R4513B18
2.8	-	SS3R4508B28	SS3R4510B28	SS3R4511B28	SS3R4513B28

D Ø5.0
P Ø4.8
R

G/H \ L	6	7	8.5	10	11.5	13
1.8	Short					
2.8	SS3R5006B18	SS3R5007B18	SS3R5008B18	SS3R5010B18	SS3R5011B18	SS3R5013B18
2.8	SS3R5006B28	SS3R5007B28	SS3R5008B28	SS3R5010B28	SS3R5011B28	SS3R5013B28

D Ø3.5
P Ø4.8
R

G/H \ L	8.5	10	11.5	13
1.8	SS3R3508B18	SS3R3510B18	SS3R3511B18	SS3R3513B18
2.8	SS3R3508B28	SS3R3510B28	SS3R3511B28	SS3R3513B28

D Ø4.0
P Ø4.8
R

G/H \ L	7	8.5	10	11.5	13
1.8	SS3R4007B18	SS3R4008B18	SS3R4010B18	SS3R4011B18	SS3R4013B18
2.8	-	SS3R4008B28	SS3R4010B28	SS3R4011B28	SS3R4013B28

D Ø4.5
P Ø6.0
W

G/H \ L	7	8.5	10	11.5	13
1.8	SS3W4507B18	SS3W4508B18	SS3W4510B18	SS3W4511B18	SS3W4513B18
2.8	SS3W4507B28	SS3W4508B28	SS3W4510B28	SS3W4511B28	SS3W4513B28





D Ø5.0
P Ø6.0
W







G/H \ L	6	7	8.5	10	11.5	13
1.8	Short					
2.8	SS3W5006B18	SS3W5007B18	SS3W5008B18	SS3W5010B18	SS3W5011B18	SS3W5013B18
2.8	SS3W5006B28	SS3W5007B28	SS3W5008B28	SS3W5010B28	SS3W5011B28	SS3W5013B28

Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

Ultra-wide

D \varnothing 6.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
		 Short					
1.8		SS3W6006B18	SS3W6007B18	SS3W6008B18	SS3W6010B18	SS3W6011B18	SS3W6013B18
2.8		SS3W6006B28	SS3W6007B28	SS3W6008B28	SS3W6010B28	SS3W6011B28	SS3W6013B28

D \varnothing 7.0 P \varnothing 6.0 W	G/H \ L	6	7	8.5	10	11.5	13
		 Short					
1.8		SS3W7006B18	SS3W7007B18	SS3W7008B18	SS3W7010B18	SS3W7011B18	SS3W7013B18
2.8		SS3W7006B28	SS3W7007B28	SS3W7008B28	SS3W7010B28	SS3W7011B28	SS3W7013B28



Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

Simple Mount

- Selected according to the fixture platform
- Hand tightened with a 1.2 hex driver
- ※ Disposable, Do not reuse
- P = Platform

R Regular

W Wide

P

R



SSH**RG**

W



SSH**WB**

Closing Screw

- For lack of soft tissue in the suture
- Hand tightened with a 1.2 hex driver
- P = Platform

R Regular

W Wide

P

R



SSCS**480N**

W



SSCS**600N**

Cover Screw

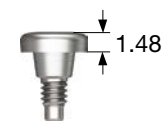
- Selected according to the fixture platform
- Hand tightened with a 1.2 hex driver
- P = Platform

R Regular

W Wide

P

R



SSCS**480**

W



SSCS**600**

Healing Abutment 09.2007

- Selected according to the fixture platform
- Hand tightened with a 1.2 hex driver
- P = Platform

- R** Regular
- W** Wide



OSSTEM[®]
IMPLANT

P \ H	2.0	3.0	4.0	5.0
Ø4.8	SSH482	SSH483	SSH484	SSH485

P \ H	2.0	3.0	4.0	5.0
Ø6.0	-	SSH603	SSH604	SSH605

Solid / Excellent Solid

Abutment Level Impression

Solid Abutment ^{09.2007}



Single Bridge
Solid/Excellent Solid
Burn-out Cylinder
207 / 210p



Finishing Reamer Set
482p
KIT catalog



Solid/Excellent Solid
Lab Analog
207 / 210p



Solid/Excellent Solid
Impression Coping
207 / 210p



Solid/Excellent Solid
Protect Cap
206 / 209p



Solid/Excellent Solid
Retraction Cap
206 / 209p



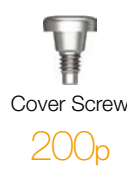
**Solid
Abutment**
205p



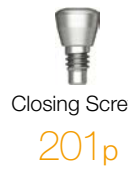
**Excellent Solid
Abutment**
208p



Regular
Solid/Excellent Solid
Abutment Driver
478 / 479p
KIT catalog



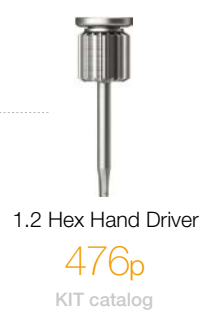
Cover Screw
200p



Closing Screw
201p



Healing Abutment
202p



1.2 Hex Hand Driver
476p
KIT catalog



SSII SA/CA/BA
182 / 184 / 186p



SSIII SA/CA/BA
188 / 192 / 196p

- Abutment for producing cement-retained prosthesis
- Abutment level impression
- Ø4.8 : Tightened with Solid Abutment driver (code : SDSL/SDSS)
- Ø6.0 : Tightened with a 1.2 hex driver or solid abutment driver (code : SD60S)
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Protect cap

Abutment + protect cap order code
: Product code + **P** (ex : SSS485**P**)



P Ø4.8
R



P Ø6.0
W



204

SS SYSTEM

205

SS SYSTEM







Solid Abutment Components

Solid Protect Cap

- Solid Abutment protection with reduced patient discomfort
- Used as a temporary crown base

R Regular

W Wide




P \ H	4.0	5.5	7.0
Ø 4.8	 SSC484	 SSC485	 SSC487
Ø 6.0	 SSC604	 SSC605	 SSC607

Solid Impression Coping

- Components for Solid Abutment impression
- Enabling production of elaborate prosthesis using lab analog
- Used by selecting the color that matches the abutment height

R Regular

W Wide





P \ H	4.0	5.5	7.0
Ø 4.8	 SSIC484	 SSIC485	 SSIC487
Ø 6.0	 SSIC604	 SSIC605	 SSIC607

Solid Retraction Cap

- Ensuring clear margin by pushing the gingiva around the margin in the direct impression of Solid Abutment
- Ensuring clear margin in the direct impression of Solid Abutment
- Used as a temporary crown base

R Regular

W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	 SSSRC484	 SSSRC485	 SSSRC487
Ø 6.0	 SSSRC604	 SSSRC605	 SSSRC607

Solid Lab Analog

- Replacement of resin cap before wax up using rigid abutment
- Used by assembling to the solid impression coping in the same color

R Regular

W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	 SSSA484	 SSSA485	 SSSA487
Ø 6.0	 SSSA604	 SSSA605	 SSSA607

Solid Burn-out Cylinder

- Solid Abutment reproduction on model after impression
- Enabling the production of elaborate prosthesis with uniform interior
- Used after casting, after cleaning the margin for proper fitting

R Regular

W Wide

P \ H	Single	Bridge
Ø 4.8	 SSSP480S	 SSSP480B
Ø 6.0	 SSSP600S	 SSSP600B

Excellent Solid Abutment ^{09.2007}



- Abutment for producing cement-retained prosthesis
- Larger in volume compared to Solid Abutment, suitable for molars or when removal is required
- Abutment level impression
- Ø4.8 : Tightened with a 1.2 hex driver or Excellent Solid Abutment driver (code : ESDSS/ESDSL)
- Ø6.0 : Tightened with a 1.2 hex driver or Excellent Solid Abutment driver (code: ESD60S)
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Protect cap



Abutment + protect cap order code

: Product code + **P** (ex : SSE485**P**)

P Ø4.8

R



P Ø6.0

W



Excellent Solid Abutment Components

Excellent Solid Protect Cap

- Used for Excellent Solid Abutment protection and reducing patient discomfort
- Used as a temporary crown base

R Regular

W Wide

P \ H	4.0	5.5	7.0
Ø4.8			
	SSEC484	SSEC485	SSEC487
Ø6.0			
	SSEC604	SSEC605	SSEC607

Excellent Solid Retraction Cap

- Used for accurate margin reproduction by pushing away the surrounding gingiva when taking a direct impression of Excellent Solid Abutment
- Accurate margin reproduction Excellent Solid Abutment in direct impression of Excellent Solid Abutment
- Used as a temporary crown base

R Regular

W Wide




P \ H	4.0	5.5	7.0
Ø4.8			
	SSERC484	SSERC485	SSERC487
Ø6.0			
	SSERC604	SSERC605	SSERC607

Excellent Solid Abutment Components

Excellent Solid Impression Coping

- Components for Excellent Solid Abutment impression
- Enabling the production of elaborate prosthesis using lab analog
- Used by selecting the color matching the abutment height

- R** Regular
- W** Wide

P \ H	4.0	5.5	7.0
			
	SSEIC484	SSEIC485	SSEIC487
	SSEIC604	SSEIC605	SSEIC607

Ø 4.8
Ø 6.0

Excellent Solid Lab Analog

- Replacement of resin cap before wax up using Excellent Solid Abutment
- Used by connecting to the appropriate color coded excellent solid impression cap

- R** Regular
- W** Wide

P \ H	4.0	5.5	7.0
			
	SSEA484	SSEA485	SSEA487
	SSEA604	SSEA605	SSEA607

Ø 4.8
Ø 6.0

Excellent Solid Burn-out Cylinder

- Excellent Solid Abutment reproduction on model after impression
- Enabling the production of elaborate prosthesis with uniform interior
- Used after casting, after cleaning the margin for proper fitting

- R** Regular
- W** Wide

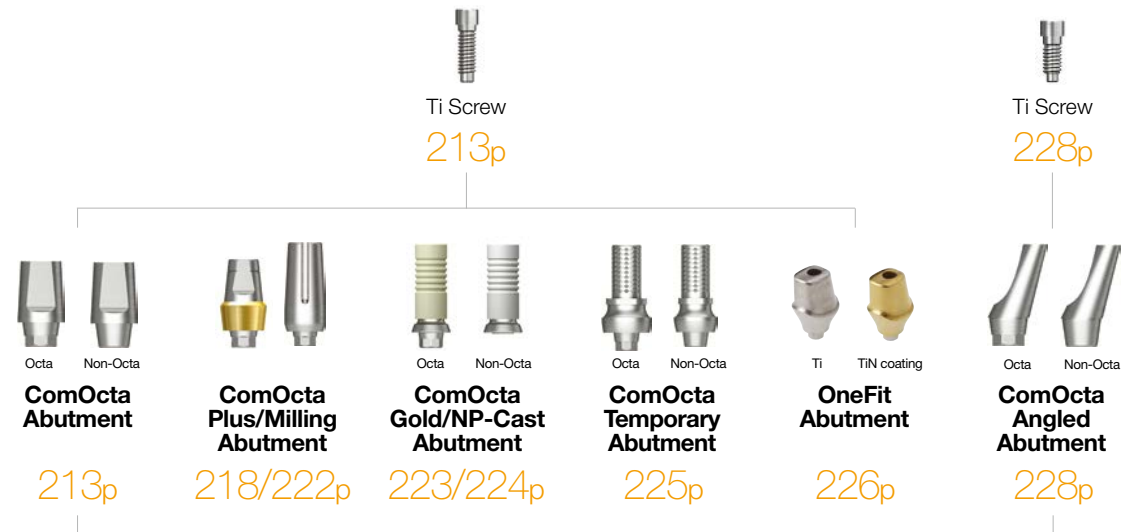
P \ H	Single	Bridge
		
	SSEP480S	SSEP480B
	SSEP600S	SSEP600B

Ø 4.8
Ø 6.0

OSSTEM[®]
IMPLANT

ComOcta / OneFit

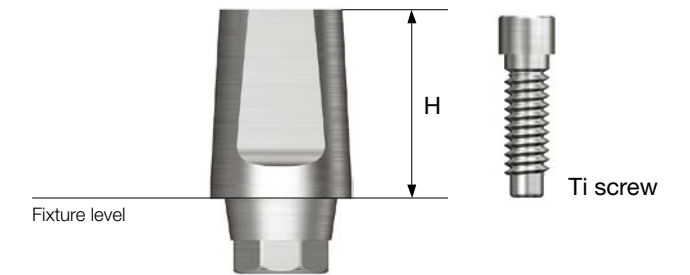
Fixture Level Impression



ComOcta Abutment ^{01.2011}

- Abutment for producing cement-retained/combination prosthesis
- Fixture level impression
- Abutment level impression enabled using the retraction cap
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

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



P Ø4.8



Ti screw : ASR200

H	4.0	5.5	7.0	4.0	5.5	7.0
Type	Octa	Octa	Octa	Non-Octa	Non-Octa	Non-Octa
	SSCA484	SSCA485	SSCA487	SSCA484N	SSCA485N	SSCA487N

P Ø6.0



Ti screw : ASR200

H	4.0	5.5	7.0	4.0	5.5	7.0
Type	Octa	Octa	Octa	Non-Octa	Non-Octa	Non-Octa
	SSCA604	SSCA605	SSCA607	SSCA604N	SSCA605N	SSCA607N

ComOcta Abutment Components

ComOcta Protect Cap

- ComOcta Abutment protection with reduced patient discomfort
- Used as a temporary crown base
- Excellent solid protect cap used in common for wide type

R Regular
W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	SSCC484	SSCC485	SSCC487
Ø 6.0	SSEC604	SSEC605	SSEC607

ComOcta Retraction Cap

- Used for accurate margin reproduction by pushing away the surrounding gingiva when taking a direct impression of ComOcta Abutment
- Used as a temporary crown base

R Regular
W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	SSCRC484	SSCRC485	SSCRC487
Ø 6.0	SSCRC604	SSCRC605	SSCRC607

ComOcta Impression Coping

- Components for ComOcta Abutment impression
- Enabling production of elaborate prosthesis using lab analog
- Used by selecting the color that matches the abutment height
- Excellent solid protect cap used in common for wide type

R Regular
W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	SSCIC484	SSCIC485	SSCIC487
Ø 6.0	SSEIC604	SSEIC605	SSEIC607

ComOcta Lab Analog

- Replacement of resin cap before wax up using ComOcta Abutment
- Connected to the same color as the ComOcta impression cap for use

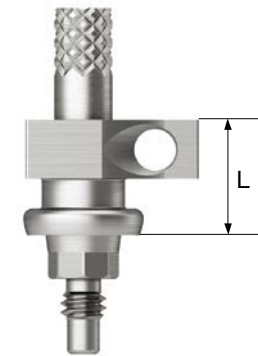
R Regular
W Wide

P \ H	4.0	5.5	7.0
Ø 4.8	SSCLA484	SSCLA485	SSCLA487
Ø 6.0	SSCLA604	SSCLA605	SSCLA607

Fixture Pick-up Impression Coping

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

R Regular (Green)
W Wide (Blue)



P \ L Type	5		10		Guide Pin		
	Octa	Non-Octa	Octa	Non-Octa	10	15	17
Ø 4.8	SSICAS480	SSICAS480N	SSICA480	SSICA480N	CSR100*(L5)	CSR150*(L10)	CSR170
Ø 6.0	SSICAS600	SSICAS600N	SSICA600	SSICA600N			

ComOcta Abutment Components

Fixture Transfer Impression Coping

- Components for fixture 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
 - Octa : Impression coping body + Guide pin
 - Non-octa : Impression coping



- R** Regular (Green)
- W** Wide (Blue)

P \ L	9.5		12.5		9.5		12.5	
	Type				Type			
	Octa				Non-Octa			
	SSCTIS480	SSCTIS600	SSCTIL480	SSCTIL600	SSCTIS480N	SSCTIS600N	SSCTIL480N	SSCTIL600N

Ø 4.8
Ø 6.0



Fixture Lab Analog

- Lab analog for fixture level impression
- Selected according to the fixture platform
 - Ø4.8/6.0

- R** Regular (Green)
- W** Wide (Blue)

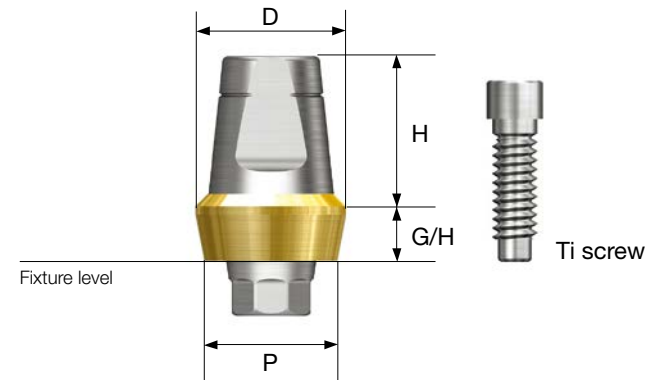
P	
	SSFA480
	SSFA600

Ø 4.8
Ø 6.0

ComOcta Plus Abutment 03.2014

- Abutment for producing cement-retained/combination prosthesis
- Used for thick gingiva or for deeply inserted fixture
- 45° platform contact for abutment-fixture connection
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : SSCAP4826**CTH**)



P Ø6.0



Ti screw
: ASR200

		H \ G/H D	1.0 Ø6.5	2.0 Ø6.5	3.0 Ø6.5	4.0 Ø6.5
Octa	4.0					
	5.5		SSCAP6016C	SSCAP6026C	SSCAP6036C	SSCAP6046C
Non-Octa	5.5		SSCAP6016CN	SSCAP6026CN	SSCAP6036CN	SSCAP6046CN

		H \ G/H D	2.0 Ø6.8	3.0 Ø7.2	4.0 Ø7.6
Octa	5.5				
Non-Octa	5.5		SSCAP6026EN	SSCAP6036EN	SSCAP6046EN

P Ø4.8



Ti screw
: ASR200

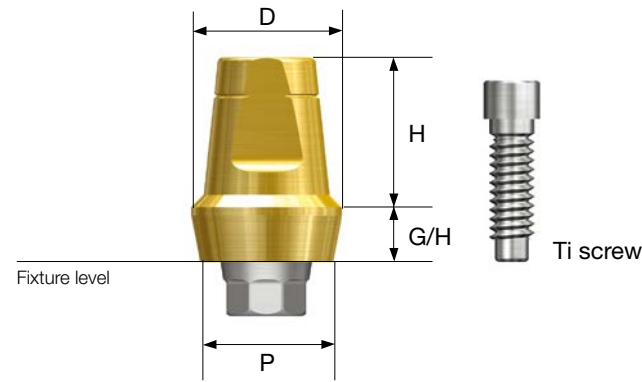
		H \ G/H D	1.0 Ø5.5	2.0 Ø5.5	3.0 Ø5.5	4.0 Ø5.5
Octa	4.0					
	5.5		SSCAP4816C	SSCAP4826C	SSCAP4836C	SSCAP4846C
Non-Octa	5.5		SSCAP4816CN	SSCAP4826CN	SSCAP4836CN	SSCAP4846CN

		H \ G/H D	2.0 Ø6.0	3.0 Ø6.5	4.0 Ø7.0
Octa	5.5				
Non-Octa	5.5		SSCAP4826EN	SSCAP4836EN	SSCAP4846EN

ComOcta Plus ID Abutment 09.2014

• ComOcta Plus Abutment not covered by insurance

Abutment + Ti screw order code
: product code + **TH** (ex : BSSCAP4826**CTH**)



P Ø6.0



Ti screw
: ASR200

		H \ G/H D	1.0 Ø6.5	2.0 Ø6.5	3.0 Ø6.5	4.0 Ø6.5
Octa	4.0		BSSCAP6014C	BSSCAP6024C	BSSCAP6034C	BSSCAP6044C
	5.5		BSSCAP6046C	BSSCAP6046C	BSSCAP6046C	BSSCAP6046C
Non-Octa	5.5		BSSCAP6016CN	BSSCAP6026CN	BSSCAP6036CN	BSSCAP6046CN

		H \ G/H D	2.0 Ø6.8	3.0 Ø7.2	4.0 Ø7.6
Octa	5.5		BSSCAP6026E	BSSCAP6036E	BSSCAP6046E
Non-Octa	5.5		BSSCAP6026EN	BSSCAP6036EN	BSSCAP6046EN

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P Ø4.8



Ti screw
: ASR200

		H \ G/H D	1.0 Ø5.5	2.0 Ø5.5	3.0 Ø5.5	4.0 Ø5.5
Octa	4.0		BSSCAP4814C	BSSCAP4824C	BSSCAP4834C	BSSCAP4844C
	5.5		BSSCAP4816C	BSSCAP4826C	BSSCAP4836C	BSSCAP4846C
Non-Octa	5.5		BSSCAP4816CN	BSSCAP4826CN	BSSCAP4836CN	BSSCAP4846CN

		H \ G/H D	2.0 Ø6.0	3.0 Ø6.5	4.0 Ø7.0
Octa	5.5		BSSCAP4826E	BSSCAP4836E	BSSCAP4846E
Non-Octa	5.5		BSSCAP4826EN	BSSCAP4836EN	BSSCAP4846EN

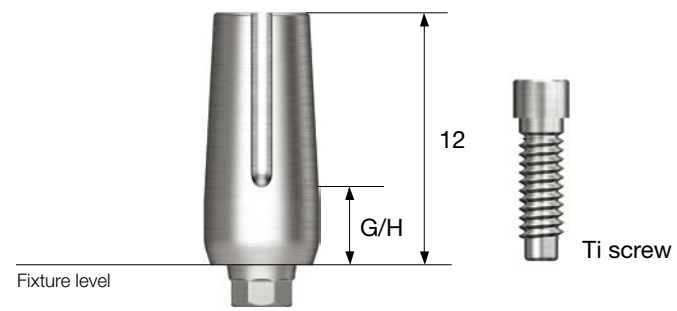
221

SS SYSTEM

ComOcta Milling Abutment 03.2014

- Abutment for producing cement-retained/combination prosthesis
- Used for the shape of the abutment margin
- 45° platform contact for abutment-fixture connection
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : SSCMA4830**TH**)

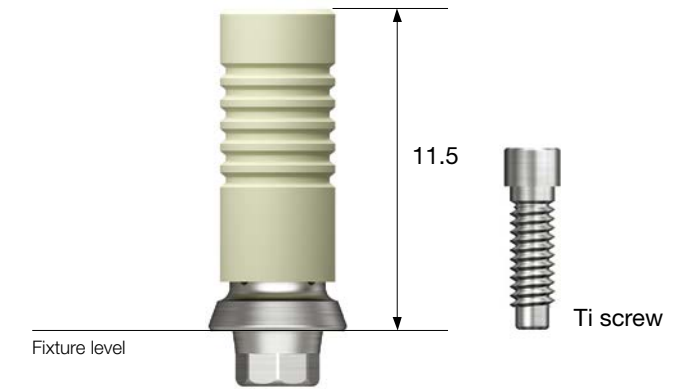


ComOcta Gold Abutment 09.2007



- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with gold alloy
- 45° platform contact for abutment-fixture connection
- Abutment melting temperature : 1,400~1,450°C
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : COG480**STH**)



P Ø4.8 / G/H 3.0

R

Ti screw : ASR200

SSCMA4830

P Ø6.0 / G/H 3.0

W

Ti screw : ASR200

SSCMA6030

P Ø4.8 / Type Octa Non-Octa

R

Ti screw : ASR200

COG480S

COG480B

P Ø6.0 / Type Octa Non-Octa

W

Ti screw : ASR200

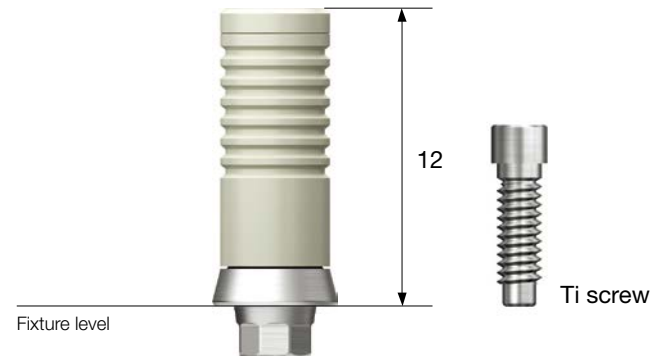
COG600S

COG600B

ComOcta NP-Cast Abutment ^{04.2012}

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- 45° platform contact for abutment-fixture connection
- Abutment melting temperature : 1,400~1,450°C
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

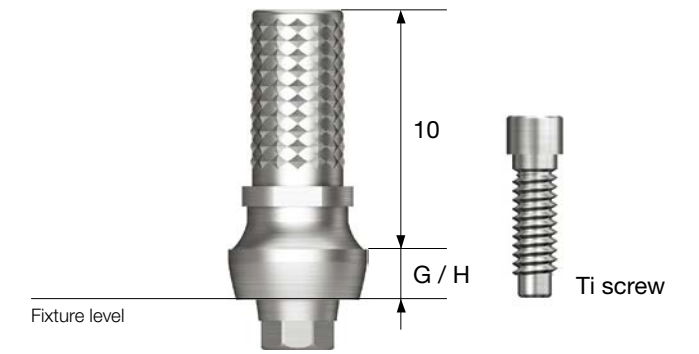
Abutment + Ti screw order code
: Product code + **TH** (ex : CON480**TH**)



ComOcta Temporary Abutment ^{09.2007}

- Abutment for producing cement-retained/screw-retained prosthesis
- Removed to produce temporary prosthesis (Ti Gr-3)
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : SSTA0480**TH**)



224

P Ø4.8 Type **Octa** **Non-Octa**

R
Ti screw : ASR200

CON480S CON480B

P Ø6.0 Type **Octa** **Non-Octa**

W
Ti screw : ASR200

CON600S CON600B

225

P Ø4.8 G/H Type **0** **2.0** **0** **2.0**

R **Octa** **Non-Octa**
Ti screw : ASR200

SSTA0480 SSTA0482 SSTAN480 SSTAN482

P Ø6.0 G/H Type **0** **2.0** **0** **2.0**

W **Octa** **Non-Octa**
Ti screw : ASR200

SSTA0600 SSTA0602 SSTAN600 SSTAN602

SS SYSTEM

SS SYSTEM

OneFit Abutment 05.2012

- Abutment for producing cement-retained/combination prosthesis
- Custom abutment produced using CAD/CAM
- Fixture level impression
- Enabling abutment level impression using scan healing abutment
- Production time (on the basis of working day)
 - Titanium : 5 days
 - Titanium + gold color : 7 days
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw



Pre-Milled Abutment 07.2018

- Milling equipment for dental work to product custom abutment
- Excellent tightening precision compared to non-genuine products
- Packing unit : Abutment + Ti screw

Abutment + screw order code
: Product code + **TH** (ex : SSPM10AGRTH)



Scan Body

- Scan body for producing titanium custom abutment
- Tightened with a 1.2 hex driver
- Packing unit : Scan body + Ti screw

Scan body + screw order code
: Product code + **TH** (ex : SSSBRTH)

R Regular

W Wide



R
Green color screw
: USSBRS

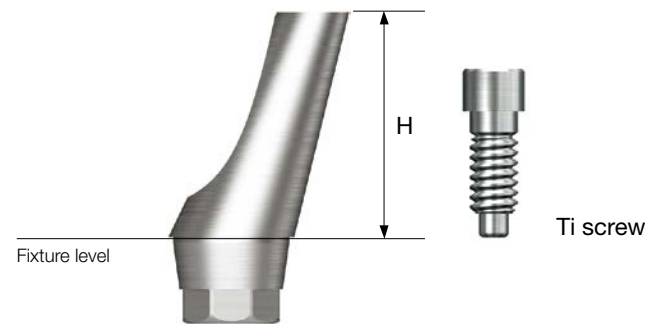
W
Green color screw
: USSBRS

Equipment	Implant	D	Specifications	Code
Doowon ARUM	Osstem SS	Ø10	Regular Octa	SSPM10AGRTH
			Regular Non-octa	SSPM10AGRNTH
			Wide Octa	SSPM10AGWTH
			Wide Non-octa	SSPM10AGWNTH

ComOcta Angled Abutment ^{01.2011}



- Abutment for producing cement-retained/combination prosthesis
- 15°/25° fixture placement angle compensation
- Use SS only abutment screw
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw (only angled)



Abutment + Ti screw order code
: Product code + **TH** (ex : SSA4815**TH**)



P Ø4.8



Ti screw
: ASS200

Angle	15°	20°	15°	20°
Type	Octa		Non-Octa	
	SSA4815	SSA4820	SSA4815N	SSA4820N

P Ø6.0



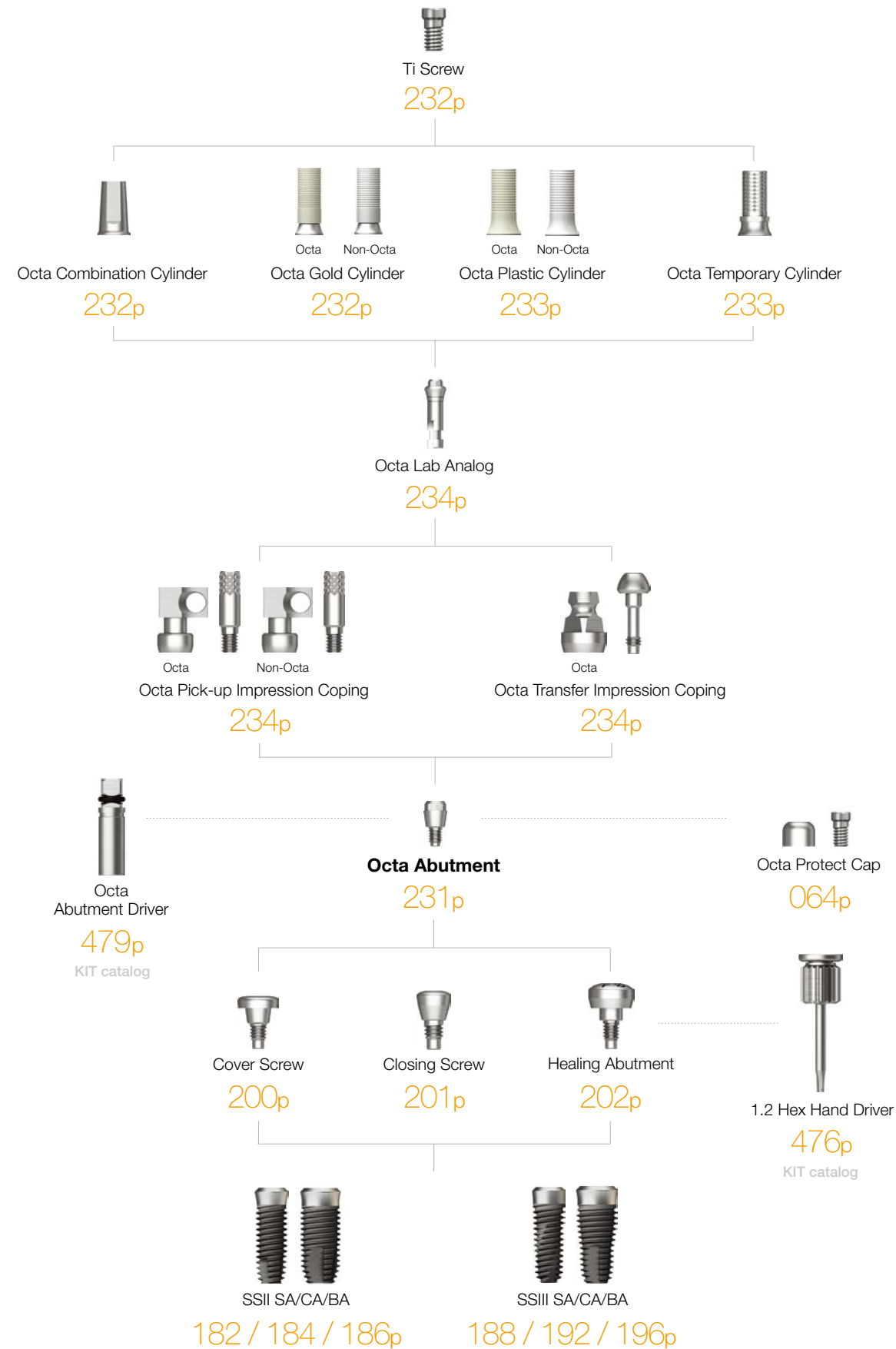
Ti screw
: ASS200

Angle	15°	20°	15°	20°
Type	Octa		Non-Octa	
	SSA6015	SSA6020	SSA6015N	SSA6020N

Octa

Abutment Level Impression

Octa Abutment ^{09.2007}



- Used for producing combination/screw-retained prosthesis in multiple case
- Fixture placement angle compensated up to 60°
- Tightened with dedicated outer driver (code : ODSL/ODSS)
- Recommended tightening torque : 30Ncm



P Ø4.8



SSOA480

P Ø6.0



SSOA600

Octa Abutment Components

Octa Protect Cap

- Protect cap for Octa Abutment
- Hand tightened with 1.2 hex driver
- Packing unit : Protect cap + Ti screw

Protect cap + Ti screw order code
: Product code + **TH** (ex : SSHC480**TH**)

R Regular

W Wide



Octa Temporary Cylinder

- Used for producing temporary prosthesis in Octa 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 : SSTCO480**TH**)

R Regular

W Wide



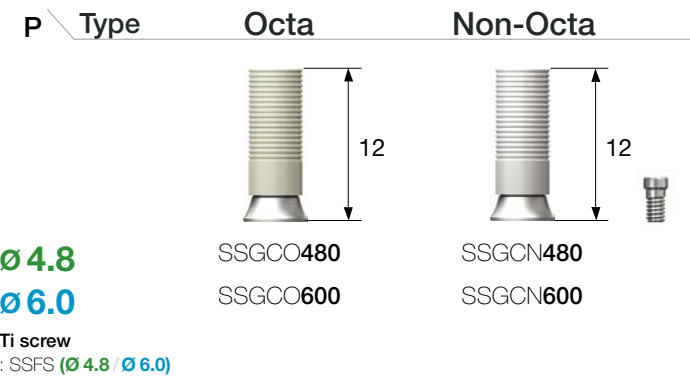
Octa Gold Cylinder

- Used for producing screw-retained prosthesis in Octa Abutment
- Used to produce customized prosthesis by casting with gold alloy
- 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 : SSGCO480**TH**)

R Regular

W Wide



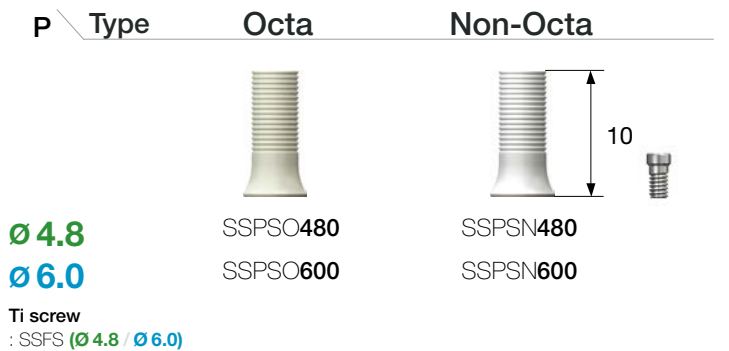
Octa Plastic Cylinder

- Used for producing screw-retained prosthesis in Octa Abutment
- Used to produce customized prosthesis by casting with non precious metal alloy
- 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 : SSPSO480**TH**)

R Regular

W Wide



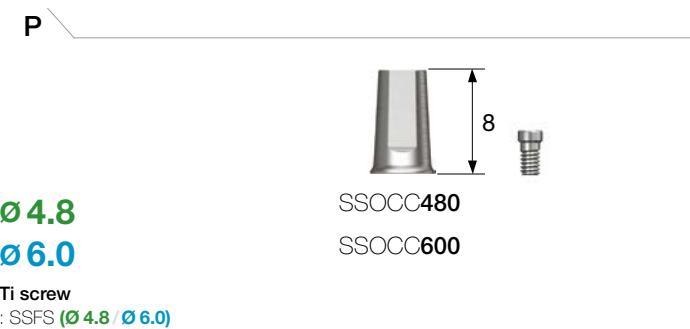
Octa Combination Cylinder

- Used for producing combination prosthesis in Octa Abutment
- Used for both octa/non-octa
- 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 : SSOCC480**TH**)

R Regular

W Wide



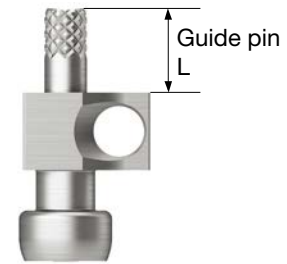
Octa Abutment Components

Octa Pick-up Impression Coping

- Pick-up impression coping for Octa Abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : Impression coping body + Guide pin(*)

R Regular (Green)

W Wide (Blue)



P \ L	Octa		Non-Octa		Guide Pin	
	Ø 4.8	Ø 6.0	Ø 4.8	Ø 6.0	0	5.0
	SSICO480	SSICO600	SSICN480	SSICN600	SSGS100	SSGS150*

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IMPLANT

Octa Transfer Impression Coping

- Transfer impression coping Octa Abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : Impression coping body + Guide pin

R Regular (Green)

W Wide (Blue)

P	Ø 4.8	Ø 6.0
	SSOTI480	SSOTI600

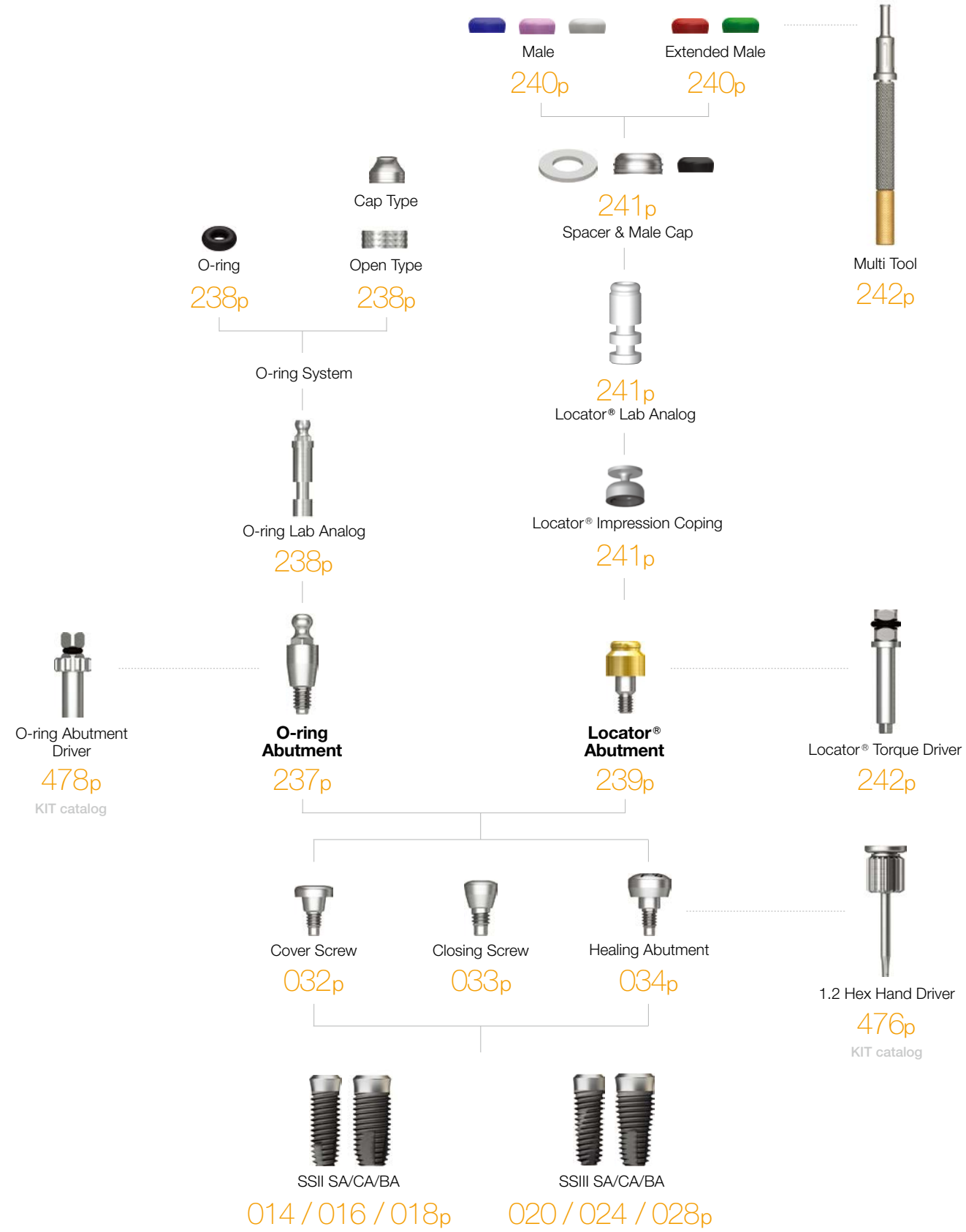
Octa Lab Analog

- Lab analog Octa Abutment
- Hand tightened with a 1.2 hex driver

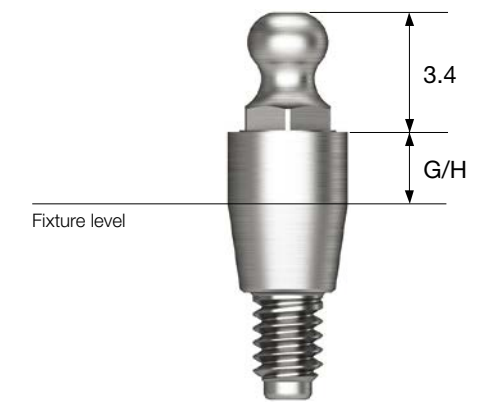
R Regular (Green)

W Wide (Blue)

P	Ø 4.8	Ø 6.0
	SSLA480	SSLA600



- Abutment for overdenture with O-ring attachment
- Placement angle compensated up to 20°
- Tightened with dedicated outer driver (code : AORD)
- Recommended tightening torque : 30Ncm



P Ø4.8
R



236
 SS SYSTEM

237
 SS SYSTEM

O-ring Abutment Components

O-ring Retainer Cap Set

- O-ring attachment for O-ring Abutment
- O-ring replaced in metal housing
- Packing unit : Retainer cap + O-ring



RCS01

O-ring Retainer Set

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



RS01

O-ring Set

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



OAON01S

O-ring Lab Analog

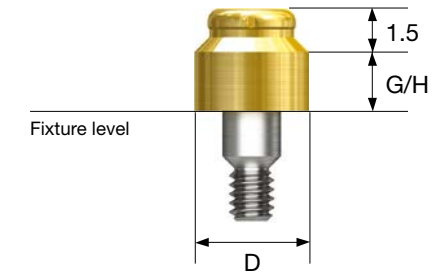
- Lab analog for O-ring abutment
- Packing unit : O-ring 5ea



OAL

Locator® Abutment ^{01.2010}

- Genuine zest anchors abutment
- Placement angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Tightened with dedicated outer driver (code : TWLDLK/TWLDLSK)
- Recommended tightening torque : 30Ncm



P Ø4.8



HSLCA4810R

HSLCA4820R

HSLCA4830R

HSLCA4840R

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 the adequate retention force for each case
- Locator core tool for replacing the male
- Packing unit : 2 sets



Locator® Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20°
- Packing unit : 4ea

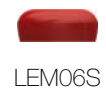


- Retention force : Approx. 22N
- Placement angle compensation up to 20°
- Packing unit : 4ea



Locator® Extended Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



Locator® Black Processing Male

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



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



Locator® Impression Coping

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



Locator® Lab Analog

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



Locator® Abutment Components

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



Locator® Torque Driver

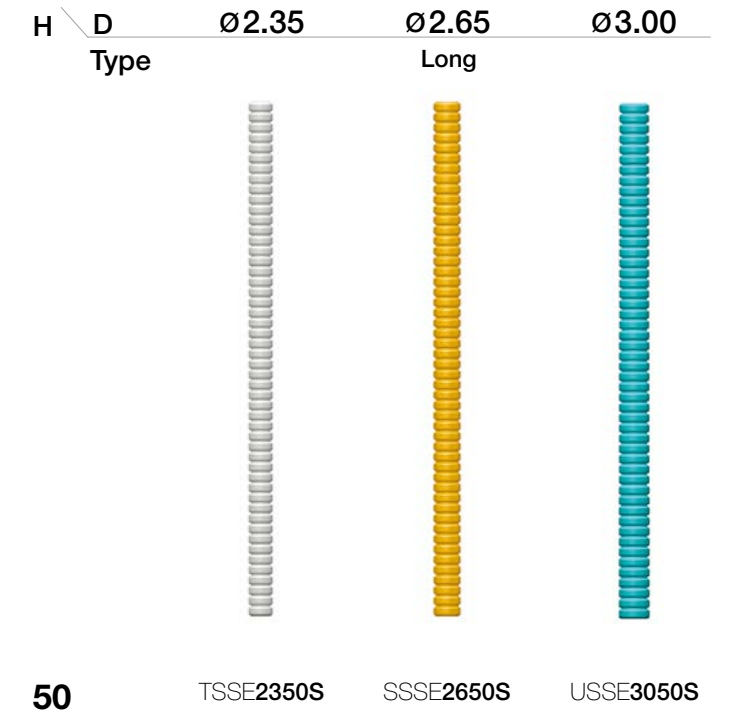
- Torque driver for Locator Abutment




OneSeal^{10.2017}

OneSeal

- Disposable medical devices for internal filling of abutment
- Cut to desired length (medical silicone)
- Packing unit : Long 5ea
- TS regular, US mini : TSSE2350S
- SS regular, US regular : SSSE2650S
- US wide : USSE3050S



OSSTEM[®]
IMPLANT



US SYSTEM

FIXTURE

- 248** USII SA Fixture
- 250** USII CA Fixture
- 252** USIII SA Fixture
- 254** USIII CA Fixture
- 256** USIV SA Fixture
- 258** Simple Mount
- 258** Cover Screw
- 258** Headless Cover Screw
- 259** Healing Abutment

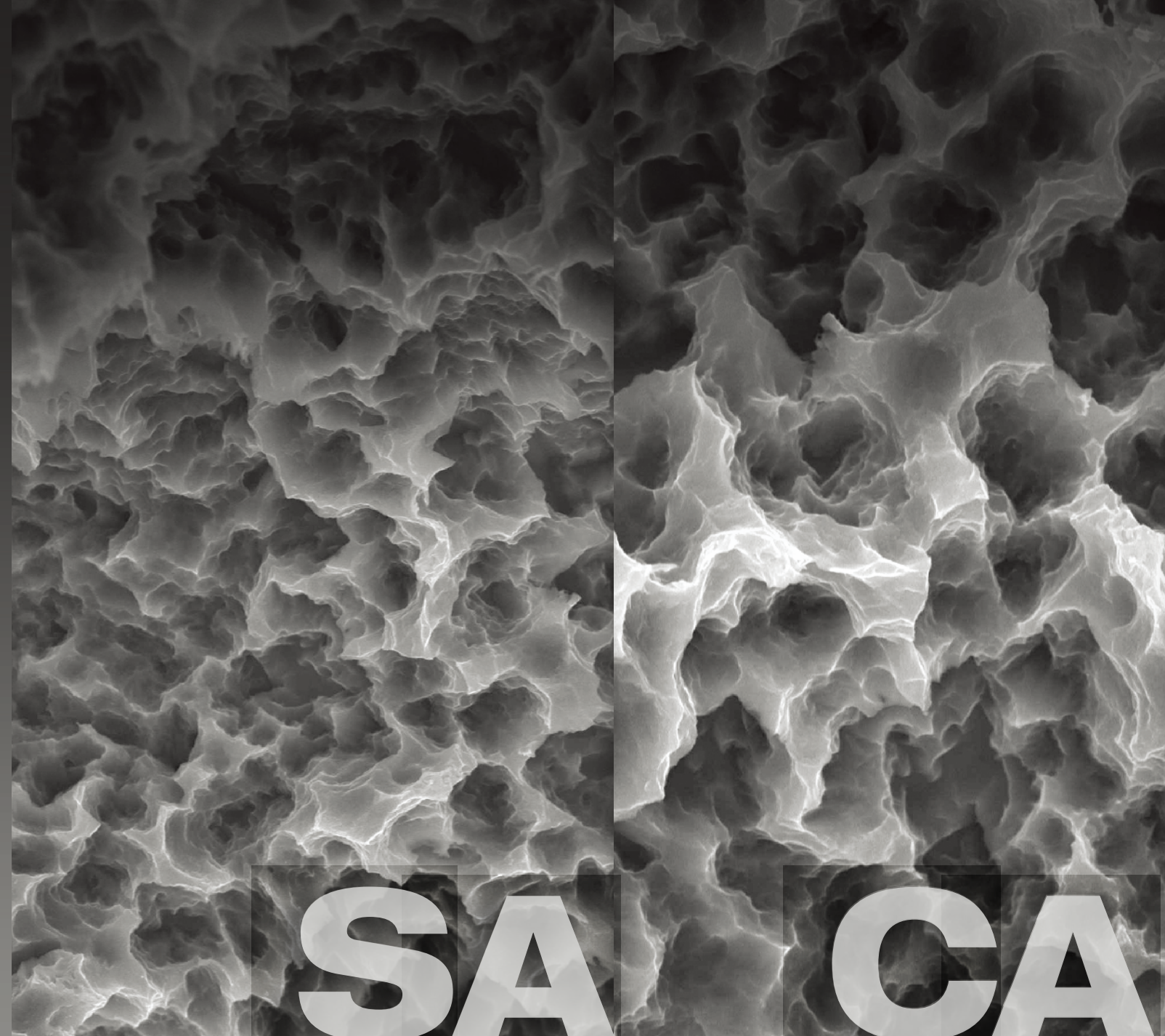
COMPONENTS

- 260** PROSTHETIC FLOW DIAGRAM 1
- 261** Cement Abutment
- 267** Angled Abutment
- 269** UCLA Gold Abutment
- 270** UCLA NP-Cast Abutment
- 271** UCLA Plastic Abutment
- 272** UCLA Temporary Abutment
- 276** OneFit Abutment
- 278** Pre-Milled Abutment
- 279** Safe Abutment
- 280** PROSTHETIC FLOW DIAGRAM 2
- 282** Esthetic Abutment
- 286** Esthetic-low Abutment
- 292** Multi Angled Abutment
- 294** PROSTHETIC FLOW DIAGRAM 3
- 295** O-ring Abutment
- 297** Locator® Abutment
- 301** OneSeal

TS Design & Surface Feature



US



Submerged type implant with an external hex connection structure

- Connection - Mini / Regular / Wide / Wide PS
- Corkscrew thread & cutting edge
 - Superior self-threading effect for easy insertion path adjustment
 - Enhanced initial stability in soft bone and consistent insertion torque according to the drill diameter
- Various body shape options available to match the patient's bone quality and clinical condition
 - USII (straight body) : Easy to adjust placement depth
 - USIII (1.5° taper body) : Excellent initial stability needed for immediate loading even in soft bone
 - USIV (6° taper body) : Specifically designed for use in maxillary sinus and soft bone, providing excellent initial stability
- Available surface types - SA / CA



US packaging color information

Optimized Surface through Acid Treatment

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

In-vitro and In-vivo Bone Response

- Osteoblast separation and ossification improved by 20% compared to RBM treated implants
- Initial bone reaction performance in big animal model (mini-pig)
 - Initial stability (RT, 4 weeks) improved by 48% compared to RBM treated implants
 - Ossification (BIC, 4 weeks) improved by 20% compared to RBM treated implants

Super-hydrophilic SA surface immersed in a calcium solution

- Same surface morphology as SA surfaces
- Surface reaction activated by immersing in a calcium solution (CaCl₂)
- Increased new bone formation area with excellent blood wettability
- Bone response improved in early osseointegration stage compared to standard SA surface

In-vitro and In-vivo Bone Response

- Protein and cellular adhesion tripled compared to SA surfaces
- Initial cellular differentiation (7 days) improved by 19% compared to SA surfaces
- Initial stability (RT, 4 weeks) improved by 34% compared to SA surfaces
- Ossification (BIC, 4 weeks) improved by 26% compared to SA surfaces

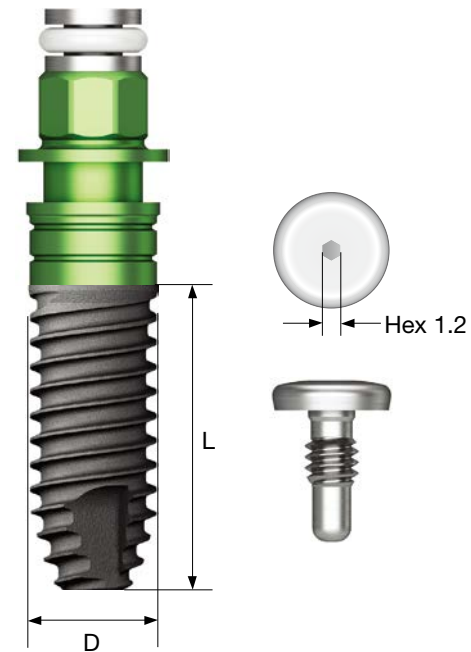
- Submerged type implant with an external hex connection structure
- Optimal thread design for realization of optimal SA surface
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

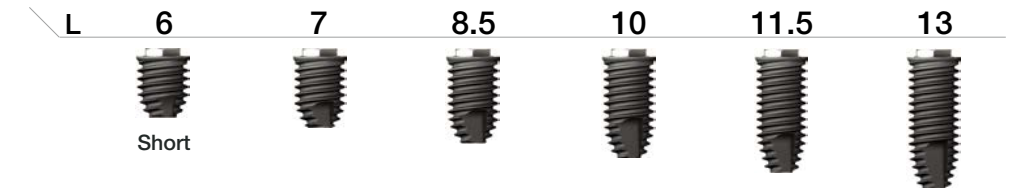
: Fixture product code (ex : US2R4010S)

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

: A + fixture product code (ex : AUS2R4010S)

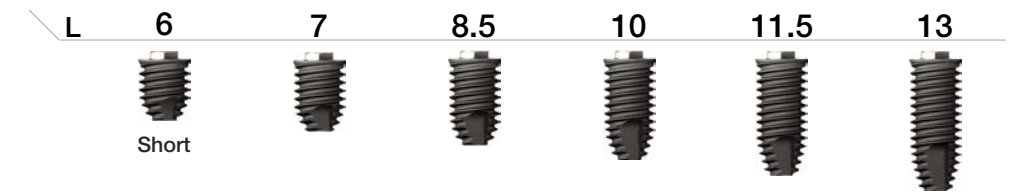


D $\varnothing 5.0$
P $\varnothing 5.1$
Hex 3.4



US2W5006S US2W5007S US2W5008S US2W5010S US2W5011S US2W5013S

D $\varnothing 5.0$
P $\varnothing 5.0$
Hex 2.7



US2P5006S US2P5007S US2P5008S US2P5010S US2P5011S US2P5013S

D $\varnothing 3.5$
P $\varnothing 3.5$
Hex 2.4



US2M3508S US2M3510S US2M3511S US2M3513S

D $\varnothing 4.0$
P $\varnothing 4.1$
Hex 2.7



US2R4007S US2R4008S US2R4010S US2R4011S US2R4013S

D $\varnothing 4.5$
P $\varnothing 4.1$
Hex 2.7



US2R4507S US2R4508S US2R4510S US2R4511S US2R4513S

Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

- Submerged type implant with an external hex connection structure
- Super-hydrophilic SA surface immersed in a calcium solution
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread

Ultra-wide

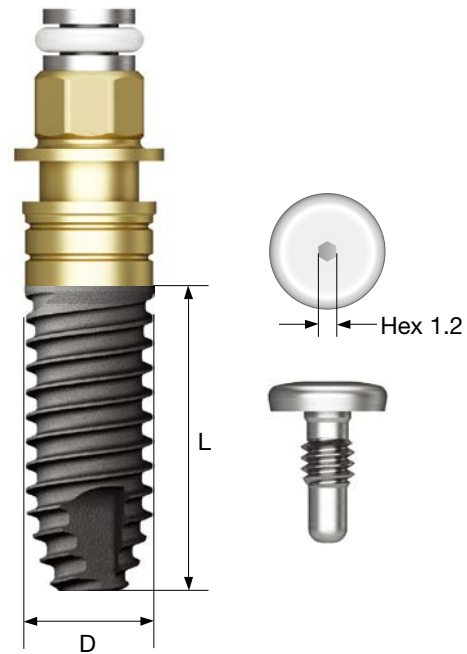
- Ideal for placement in an fresh extraction socket in the posterior area or for replacing a failed implant

- Recommended placement torque : $\leq 40\text{Ncm}$

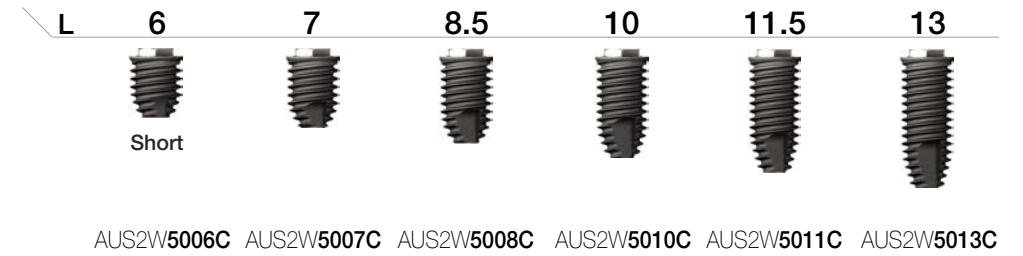
※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

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

: A + fixture product code (ex : AUS2R4010C)

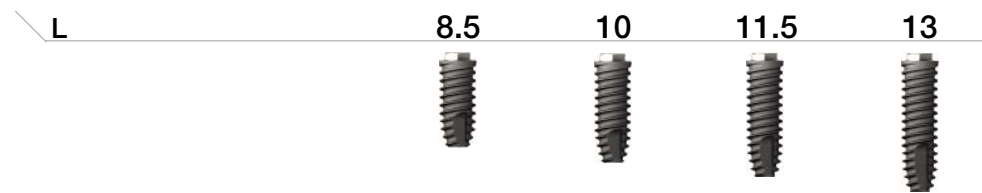


D $\varnothing 5.0$
P $\varnothing 5.1$
Hex 3.4



AUS2W5006C AUS2W5007C AUS2W5008C AUS2W5010C AUS2W5011C AUS2W5013C

D $\varnothing 3.5$
P $\varnothing 3.5$
Hex 2.4



AUS2M3508C AUS2M3510C AUS2M3511C AUS2M3513C

D $\varnothing 4.0$
P $\varnothing 4.1$
Hex 2.7



AUS2R4007C AUS2R4008C AUS2R4010C AUS2R4011C AUS2R4013C

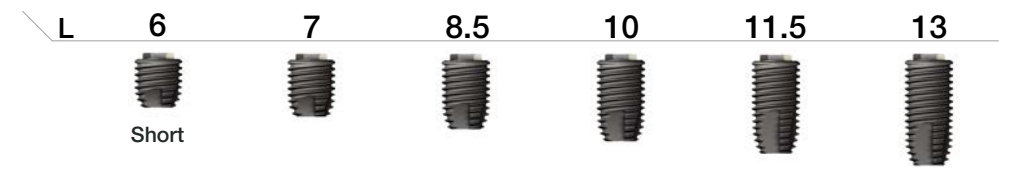
D $\varnothing 4.5$
P $\varnothing 4.1$
Hex 2.7



AUS2R4507C AUS2R4508C AUS2R4510C AUS2R4511C AUS2R4513C

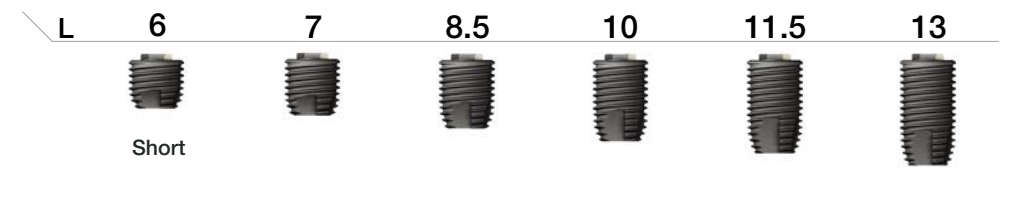
Ultra-wide

D $\varnothing 6.0$
P $\varnothing 5.1$
Hex 3.4



AUS2W6006C AUS2W6007C AUS2W6008C AUS2W6010C AUS2W6011C AUS2W6013C

D $\varnothing 7.0$
P $\varnothing 5.1$
Hex 3.4



AUS2W7006C AUS2W7007C AUS2W7008C AUS2W7010C AUS2W7011C AUS2W7013C

Nominal diameter may differ from actual diameter.

Note Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

USIII SA Fixture ^{12.2011}

- Submerged type implant with an external hex connection structure
- Optimal thread design for realization of optimal SA surface
- Tapered body design for excellent initial stability
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

Ultra-wide

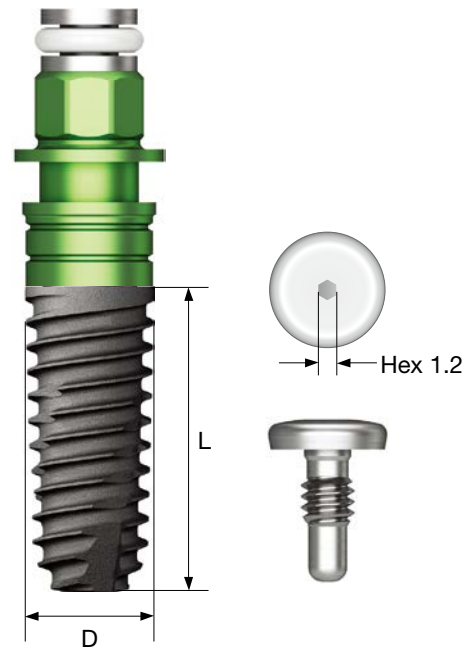
- Ideal for placement in an fresh extraction socket in the posterior area or for replacing a failed implant
- Optimized apex design for excellent initial stability in an fresh extraction socket or in 3mm from the bottom
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

NoMount Fixture order code

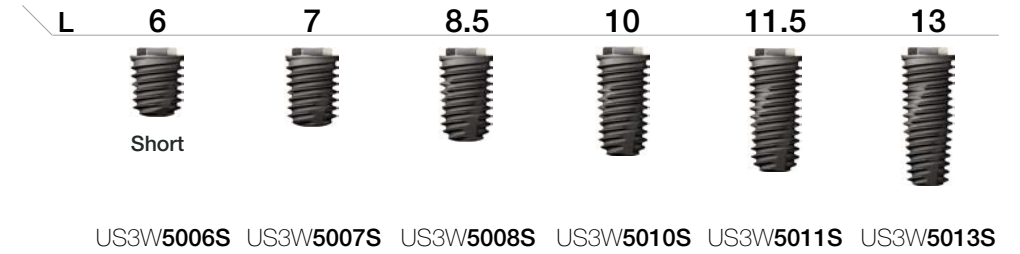
: Fixture product code (ex : US3R4010S)

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

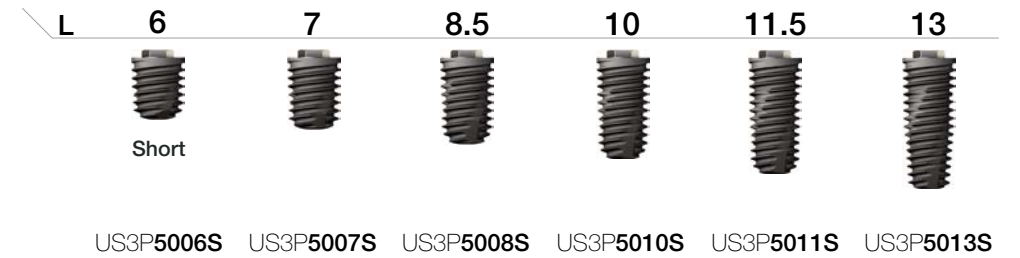
: A + fixture product code (ex : AUS3R4010S)



D $\varnothing 5.0$
P $\varnothing 5.1$
Hex 3.4

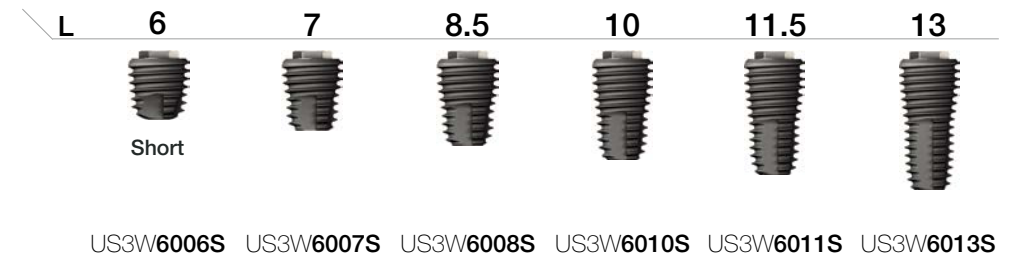


D $\varnothing 5.0$
P $\varnothing 5.0$
Hex 2.7

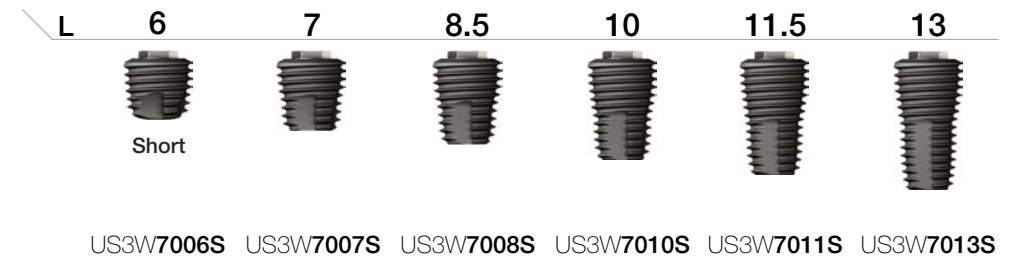


Ultra-wide

D $\varnothing 6.0$
P $\varnothing 5.1$
Hex 3.4



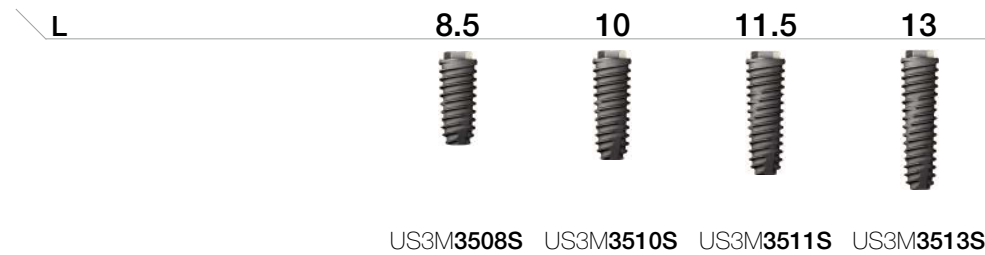
D $\varnothing 7.0$
P $\varnothing 5.1$
Hex 3.4



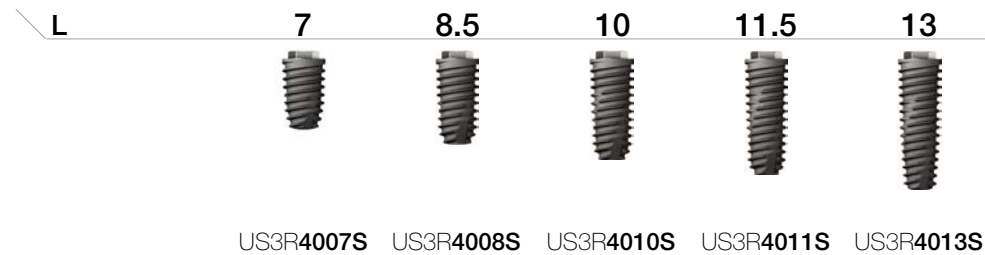
Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

D $\varnothing 3.5$
P $\varnothing 3.5$
Hex 2.4



D $\varnothing 4.0$
P $\varnothing 4.1$
Hex 2.7



D $\varnothing 4.5$
P $\varnothing 4.1$
Hex 2.7

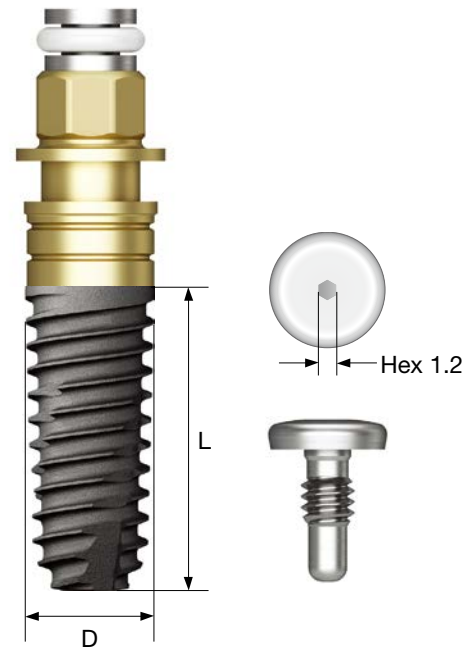


- Submerged type implant with an external hex connection structure
- Super-hydrophilic SA surface immersed in a calcium solution
- Straight body design for easy adjustment of placement depth
- Superior self-threading effect with corkscrew thread
- Excellent initial stability needed for immediate loading even in soft bone

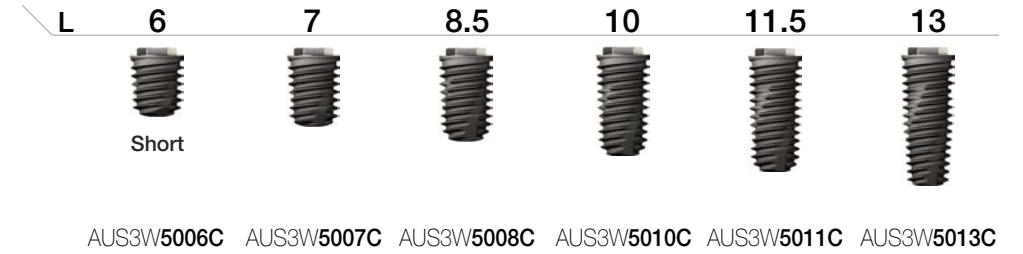
Ultra-wide

- Ideal for placement in a fresh extraction socket in the posterior area or for replacing a failed implant
- Recommended placement torque : $\leq 40\text{Ncm}$
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region

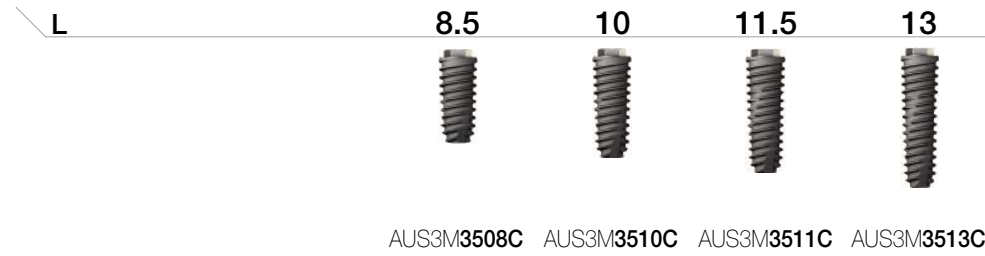
Pre-Mounted Fixture (fixture + mount + cover screw) order code
: A + fixture product code (ex : AUS3R4010S)



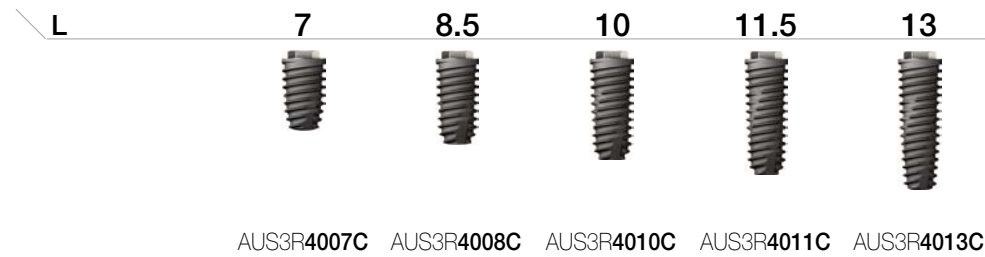
D $\varnothing 5.0$
P $\varnothing 5.1$
Hex 3.4
W



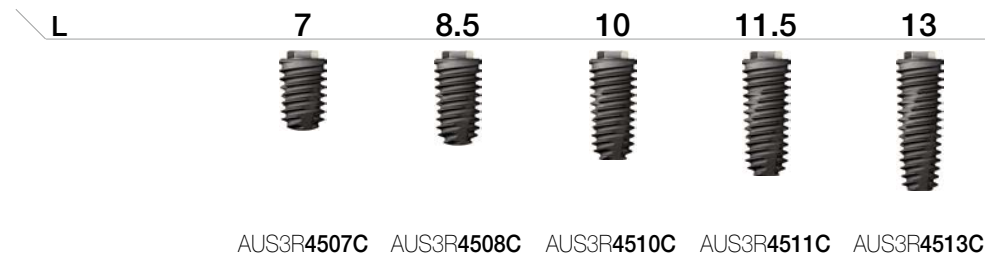
D $\varnothing 3.5$
P $\varnothing 3.5$
Hex 2.4
M



D $\varnothing 4.0$
P $\varnothing 4.1$
Hex 2.7
R

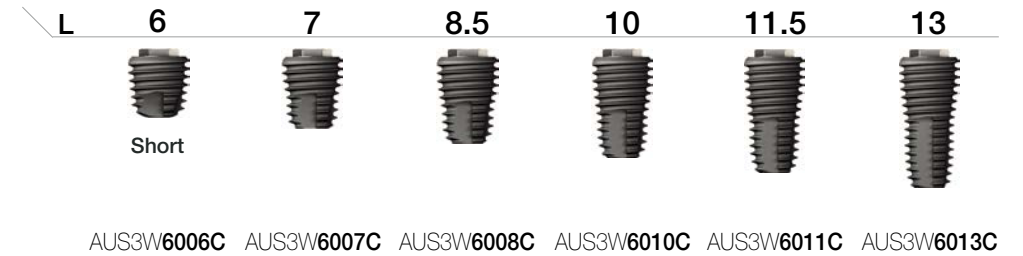


D $\varnothing 4.5$
P $\varnothing 4.1$
Hex 2.7
R

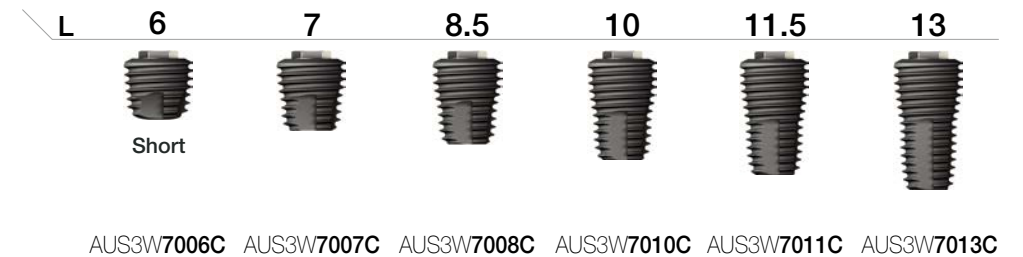


Ultra-wide

D $\varnothing 6.0$
P $\varnothing 5.1$
Hex 3.4
W



D $\varnothing 7.0$
P $\varnothing 5.1$
Hex 3.4
W



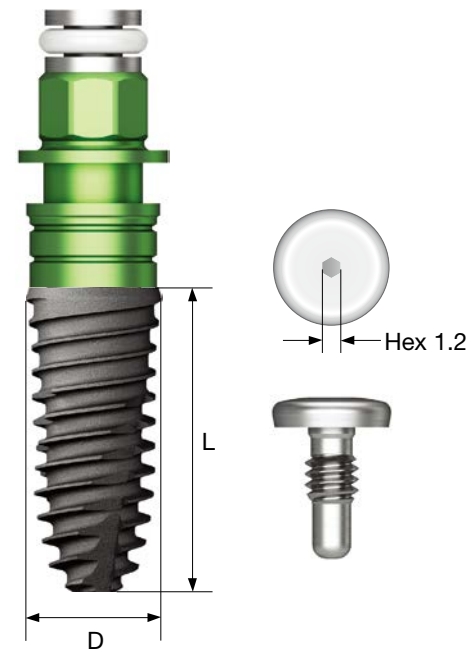
Nominal diameter may differ from actual diameter.

Note: Short implant should be used after a sufficient healing period. It is used by splinting with other implants for prosthesis.

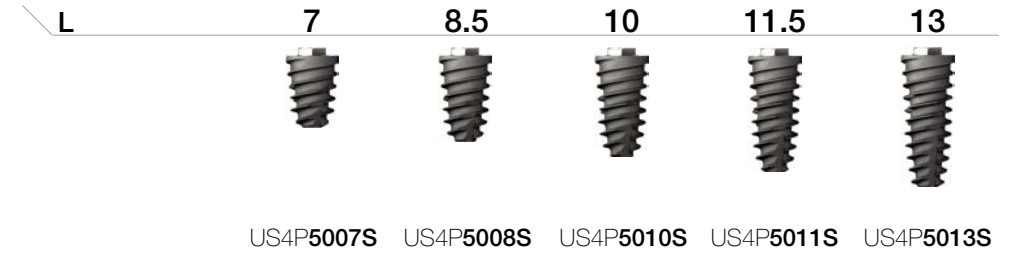
USIV SA Fixture 06.2012

- Submerged type implant with an external hex connection structure
- Optimal thread design for realization of optimal SA surface
- Dedicated fixture for use in maxillary sinus and soft bone
- Excellent initial stability in soft bone with 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
- Recommended placement torque : ≤40Ncm
- ※ Fixtures with a diameter of 4.5mm or greater are recommended for the posterior region.
- ※ Reducing the speed to 15rpm or lower recommended for insertion as the placement speed is too fast for USIV fixtures due to large thread pitch

Pre-Mounted Fixture (fixture + mount + cover screw) order code
 : A + fixture product code (ex : AUS4R4010S)



D Ø5.0
P Ø5.0
Hex 2.7



US4P5007S US4P5008S US4P5010S US4P5011S US4P5013S

D Ø4.0
P Ø4.1
Hex 2.7



US4R4007S US4R4008S US4R4010S US4R4011S US4R4013S

D Ø4.5
P Ø4.1
Hex 2.7



US4R4507S US4R4508S US4R4510S US4R4511S US4R4513S

D Ø5.0
P Ø5.1
Hex 3.4



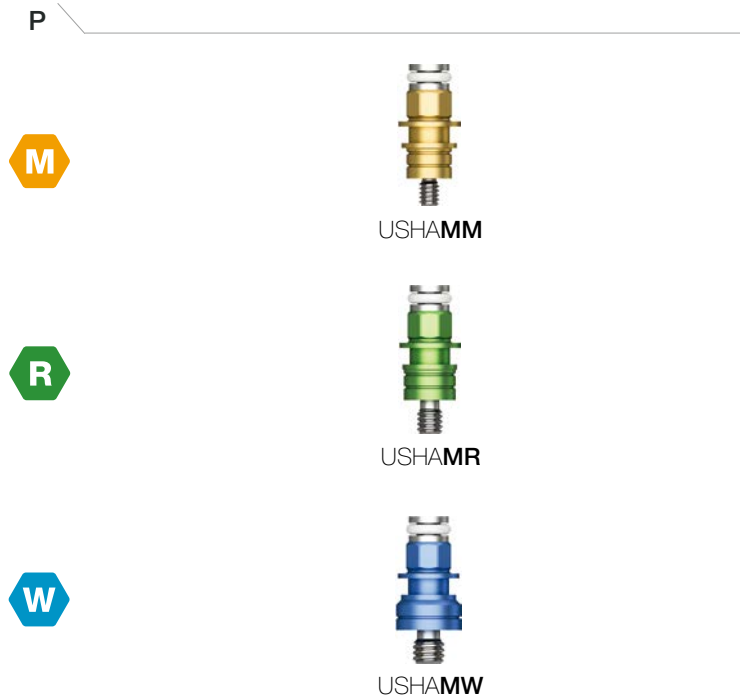
US4W5007S US4W5008S US4W5010S US4W5011S US4W5013S

Nominal diameter may differ from actual diameter.

Simple Mount

- Selected according to the fixture platform
- Hand tightened with 1.2 hex driver
- ※ Disposable, Do not reuse
- P = Platform

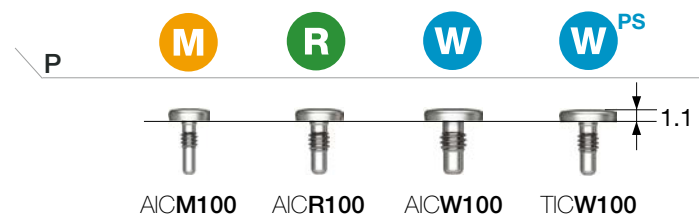
- M** Mini
- R** Regular
- W** Wide



Cover Screw

- Selected according to the fixture platform
- Hand tightened with a 1.2 hex driver
- P = Platform

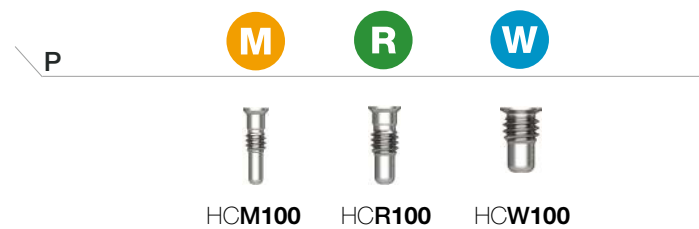
- M** Mini
- R** Regular
- W** Wide



Headless Cover Screw

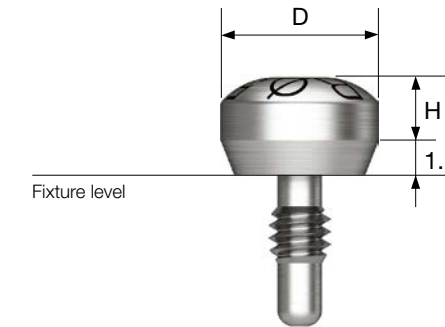
- For lack of soft tissue in the suture
- 0.9 hex (only mini), hand tightened with a 1.2 hex driver
- P = Platform

- M** Mini
- R** Regular
- W** Wide



- Hex driver : 1.2
- Recommended tightening torque : 5~8Ncm

- M** Mini
- R** Regular
- W** Wide



D \ H	2.0	3.0	4.0	5.5	7.0
-------	-----	-----	-----	-----	-----

Ø 4.0	-	AIHM403	-	AIHM405	-
Ø 5.0	-	AIHM503	-	AIHM505	-

D \ H	2.0	3.0	4.0	5.5	7.0
-------	-----	-----	-----	-----	-----

Ø 4.1 One Piece	-	AIOHR403	-	AIOHR405	AIOHR407
Ø 4.1 Two Piece	-	AIHR403	-	AIHR405	AIHR407
Ø 5.0	AIHR502	AIHR503	AIHR504	AIHR505	AIHR507
Ø 6.0	AIHR602	AIHR603	AIHR604	AIHR605	AIHR607

D \ H	2.0	3.0	4.0	5.5	7.0
-------	-----	-----	-----	-----	-----

Ø 5.1 One Piece	-	AIOHW503	-	AIOHW505	-
Ø 5.1 Two Piece	-	AIHW503	-	AIHW505	-
Ø 6.0	AIHW602	AIHW603	AIHW604	AIHW605	-
Ø 7.0	AIHW702	AIHW703	AIHW704	AIHW705	-
Ø 6.0 PS	-	TIHW603	-	TIHW605	-

Cement / Angled / UCLA / OneFit / ZioCera / Safe

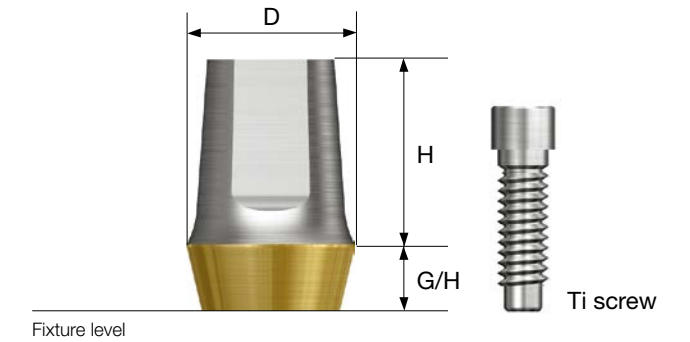
Fixture Level Impression



Cement Abutment 09.2007

- Abutment for producing cement-retained/combination prosthesis
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

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



D Ø4.0
M
Ti screw : USABSMT

H \ G/H Type	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
	Hex				Non-Hex			
7.0	-	CAM427	-	CAM447	-	CAM427N	-	CAM447N

D Ø4.1
R
Ti screw : ASR200

H \ G/H Type	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
	Hex				Non-Hex			
7.0	-	-	CAR437	-	-	-	CAR437N	-

Cement Abutment 09.2007

D Ø5.0



Ti screw
: ASR200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
4.0								
5.5	CAR514	CAR524	CAR534	CAR544	CAR514N	CAR524N	CAR534N	CAR544N
7.0	CAR517	CAR527	CAR537	CAR547	CAR517N	CAR527N	CAR537N	CAR547N

D Ø7.0



Ti screw
: ASW200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
5.5								
	CAW715	CAW725	CAW735	CAW745	CAW715N	CAW725N	CAW735N	CAW745N

D Ø6.0



Ti screw
: ASR200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
5.5								
	CAR615	CAR625	CAR635	CAR645	CAR615N	CAR625N	CAR635N	CAR645N

D Ø6.0



Ti screw
: ASR200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
7.0	-		-		-		-	
	-	TCAW627	-	TCAW647	-	TCAW627N	-	TCAW647N

D Ø5.1



Ti screw
: ASW200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
7.0	-	-		-	-	-		-
	-	-	CAW537	-	-	-	CAW537N	-

D Ø6.0



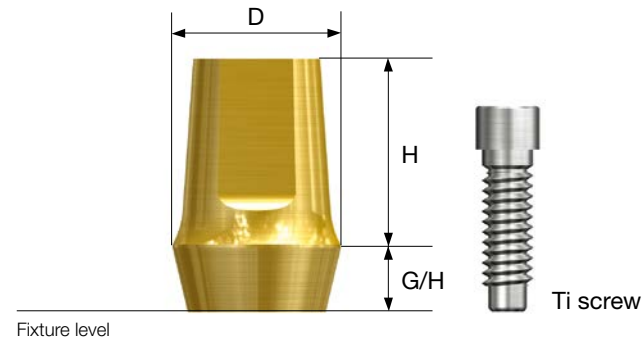
Ti screw
: ASW200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
4.0								
5.5	CAW614	CAW624	CAW634	CAW644	CAW614N	CAW624N	CAW634N	CAW644N
7.0	CAW617	CAW627	CAW637	CAW647	CAW617N	CAW627N	CAW637N	CAW647N

Cement ID Abutment 09.2014

• Cement Abutment not covered by insurance

Abutment + Ti screw order code
: Product code + **TH** (ex : BCAR525**TH**)



D Ø5.0



Ti screw
: ASR200

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

D Ø6.0



Ti screw
: ASR200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
5.5								

D Ø4.0



Ti screw
: USABSMT

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
7.0	-		-		-		-	

D Ø4.1



Ti screw
: ASR200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
7.0	-	-		-	-	-		-

D Ø5.1



Ti screw
: ASW200

H \ G/H Type	Hex				Non-Hex			
	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
7.0	-	-		-	-	-		-

D Ø6.0



Ti screw
: ASW200

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

Cement ID Abutment 09.2014

D Ø7.0



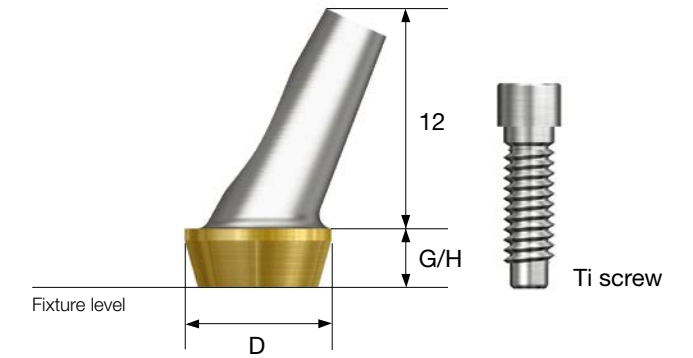
Ti screw
: ASW200

H \ G/H	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
Type	Hex				Non-Hex			
5.5								
	BCAW715	BCAW725	BCAW735	BCAW745	BCAW715N	BCAW725N	BCAW735N	BCAW745N

Angled Abutment 09.2007



- Abutment for producing cement-retained/combination prosthesis
- 15°/25° fixture insertion angle compensation
- Double hex (dodecagon) structure to overcome restrictions in abutment direction
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw



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

D Ø6.0



Ti screw
: ASR200

H \ G/H	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
Type	Hex				Non-Hex			
7.0	-		-		-		-	
	-	BTCAW627	-	BTCAW647	-	BTCAW627N	-	BTCAW647N

D Ø4.0



Ti screw
: USABSMT

G/H	2.0	4.0	2.0	4.0
Angle	15°		25°	
	AAM4152C	AAM4154C	AAM4252C	AAM4254C

D Ø5.0



Ti screw
: ASR200

G/H	2.0	4.0	2.0	4.0
Angle	15°		25°	
	AAR5152C	AAR5154C	AAR5252C	AAR5254C

D Ø6.0



Ti screw
: ASW200

G/H	2.0	4.0	2.0	4.0
Angle	15°		25°	
	AAW6152C	AAW6154C	AAW6252C	AAW6254C

Angled Abutment 09.2007

D Ø6.0



Ti screw : ASR200

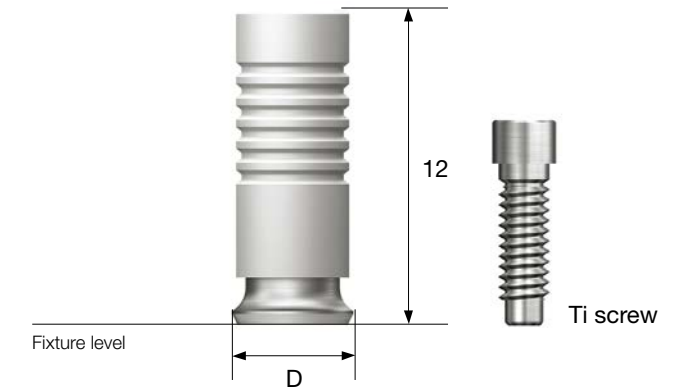


UCLA Gold Abutment 09.2007



- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with gold alloy
- Abutment melting temperature : 1,400~1,450°C
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + TH (ex : GCR200TH)



D Ø4.0



Ti screw : USABSMT

Type Hex Non-Hex



D Ø4.5



Ti screw : ASR200

Type Hex Non-Hex



D Ø5.5



Ti screw : ASW200

Type Hex Non-Hex



D Ø5.5



Ti screw : ASR200

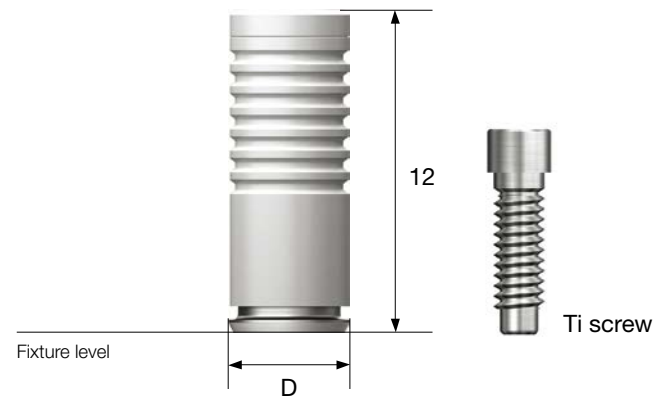
Type Hex Non-Hex



UCLA NP-Cast Abutment 04.2012

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Abutment melting temperature : 1,400~1,450°C
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

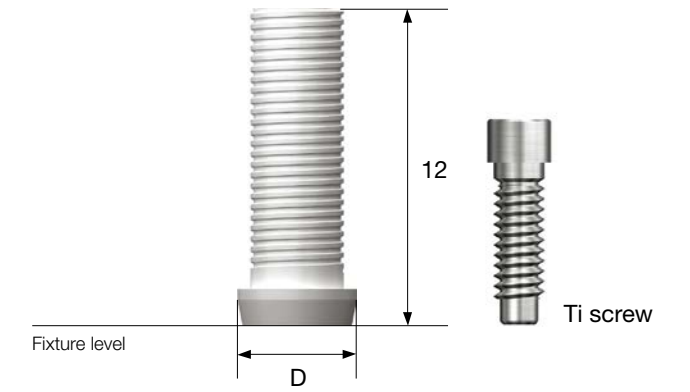
Abutment + Ti screw order code
: Product code + TH (ex : NCR200TH)



UCLA Plastic Abutment 09.2007

- Abutment for producing cement-retained/combination/screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy up to the abutment joint
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + TH (ex : PSR200TH)



D Ø4.0	Type	Hex	Non-Hex	D Ø4.5	Type	Hex	Non-Hex
M				R			
Ti screw : USABSMT				Ti Screw : ASR200			
		NCM200	NCM100			NCR200	NCR100

D Ø4.0	Type	Hex	Non-Hex	D Ø4.5	Type	Hex	Non-Hex
M				R			
Ti screw : USABSMT				Ti screw : ASR200			
		PSM200	PSM100			PSR200	PSR100

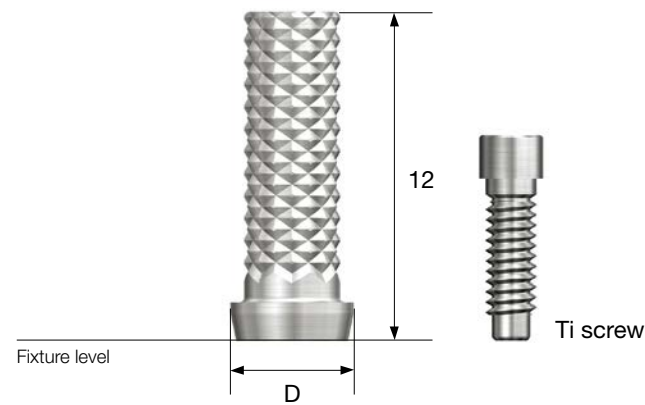
D Ø5.5	Type	Hex	Non-Hex	D Ø5.5	Type	Hex	Non-Hex
W				W^{PS}			
Ti screw : ASW200				Ti screw : ASR200			
		NCW200	NCW100			TNCW200	TNCW100

D Ø5.5	Type	Hex	Non-Hex	D Ø5.5	Type	Hex	Non-Hex
W				W^{PS}			
Ti screw : ASW200				Ti screw : ASR200			
		PSW200	PSW100			TPSW200	TPSW100

UCLA Temporary Abutment 09.2007

- Abutment for producing cement-retained/combination prosthesis
- Removed to produce temporary prosthesis (Ti Gr-3)
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : TAR200**TH**)



D Ø4.0

M Mini (Yellow)

Ti screw : USABSMT

Type	Hex	Non-Hex
	TAM200	TAM100

D Ø4.5

R Regular (Green)

Ti screw : ASR200

Type	Hex	Non-Hex
	TAR200	TAR100

D Ø5.5

W Wide (Blue)

Ti screw : ASW200

Type	Hex	Non-Hex
	TAW200	TAW100

D Ø5.5^{PS}

W^{PS} Wide (Blue)

Ti screw : ASR200

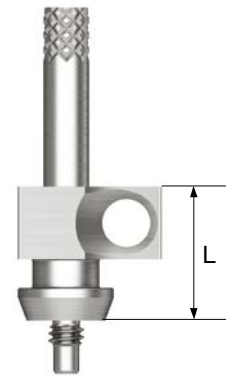
Type	Hex	Non-Hex
	TTAW200	TTAW100

UCLA Abutment Components

Fixture Pick-Up Impression Coping

- Components for fixture level impression taking
- Using open tray
- Unique design that is 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)
- W** Wide (Blue)



D	L	Guide Pin				Guide Pin		
		Hex	Non-Hex	Hex	Non-Hex	10	15	17
Ø 4.0		-	-	ICFM400	ICFM400N	-	CSM150	-
Ø 5.0		ICSR500	ICSR500N	ICFR500	ICFR500N	CSR100	CSR150*	CSR170
Ø 6.0		-	-	ICFR600	ICFR600N	-	-	-
Ø 6.0		ICSW600	ICSW600N	ICFW600	ICFW600N	CSW100	CSW150*	-
Ø 6.0 ^{PS}		-	-	TICFW600	TICFW600N	-	TCSW150	-

UCLA Abutment Components

Fixture Transfer Impression Coping

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

- M** Mini (Yellow)
- R** Regular (Green)
- W** Wide (Blue)



Fixture Lab Analog

- Lab analog for fixture level impression
- Packing unit : lab analog

- M** Mini (Yellow)
- R** Regular (Green)
- W** Wide (Blue)

C



FAM300

FAR300

FAW300

TFAW300

- M**
- R**
- W**
- W**^{PS}

D \ L	10.5		13.5	
	Hex	Non-Hex	Hex	Non-Hex
Ø 4.0	ICPM402S	ICPM401S	ICPM402L	ICPM401L
Ø 5.0	ICPR502S	ICPR501S	ICPR502L	ICPR501L
Ø 6.0	ICPW602S	ICPW601S	ICPW602L	ICPW601L
Ø 6.0^{PS}	-	-	TICPW602	TICPW601

UCLA Polishing Protector

- Protecting the joint in the polishing procedure after producing a prosthesis using UCLA abutment
- Hand tightened with a 1.2 hex driver

- M** Mini (Yellow)
- R** Regular (Green)
- W** Wide (Blue)

C



UPCM100

UPCR100

UPCW100

TUPCW100

- M**
- R**
- W**
- W**^{PS}

OneFit Abutment 05.2012

- Abutment for producing cement-retained/combination prosthesis
- Custom abutment produced using CAD/CAM
- Fixture level impression
- Enabling abutment level impression using scan healing abutment
- Production time (on the basis of working day)
 - Titanium : 5 days
 - Titanium + gold color : 7 days
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw



Scan Body

- Scan body for producing titanium custom abutment
- Screw color coding for convenient indication of specification
- Hand tightened with a 1.2 hex driver
- Packing unit : Scan body + Ti screw

Scan body + screw order code
: Product code + **TH** (ex : USSBM**TH**)

- M** Mini
- R** Regular
- W** Wide

	10mm	15mm
M Yellow color screw : USSBMS	 USSBOM	 USSBM
R Green color screw : USSBRS	 USSBOR	 USSBR
W Blue color screw : USSBWS	 USSBOW	 USSBW
W^{PS} Green color screw : USSBRS	 USSBOWP	 USSBWP

Pre-Milled Abutment 07.2018

- Milling equipment for dental work to product custom abutment
- Excellent tightening precision compared to non-genuine products
- Packing unit : Pre-Milled Abutment + Ti

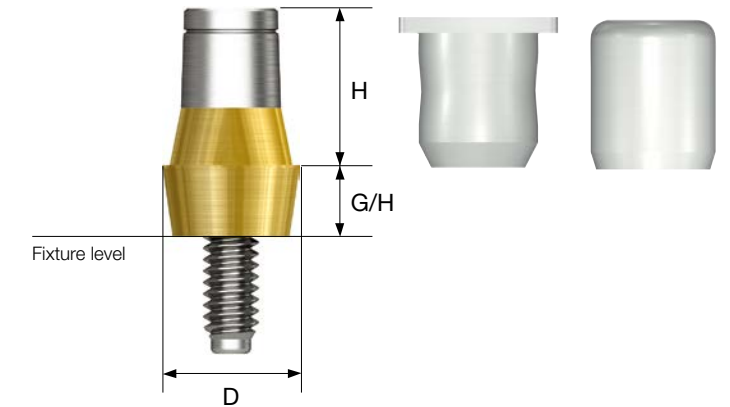
Pre-Milled Abutment + screw order code
: Product code + **TH** (ex : USPM10AGR**TH**)



Safe Abutment 09.2007



- Abutment for producing cement-retained prosthesis
- Structure to minimize screw loosening
- Used without modifying or removing abutment
- Fixture/abutment level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw + Carrier cap + Protect cap



Equipment	Implant	D	Specifications	Code
Doowon ARUM	Osstem US	Ø10	Mini Hex	USPM10AGMTH
			Mini Non-hex	USPM10AGMNTH
			Regular Hex	USPM10AGRTH
			Regular Non-hex	USPM10AGRNTH
			Wide Hex	USPM10AGWTH
			Wide Non-hex	USPM10AGWNTH


D Ø4.8



H \ G/H	1.0	2.5	4.0
4.0			
5.5	SFAR515SC	SFAR525SC	SFAR545SC
7.0	SFAR517SC	SFAR527SC	SFAR547SC

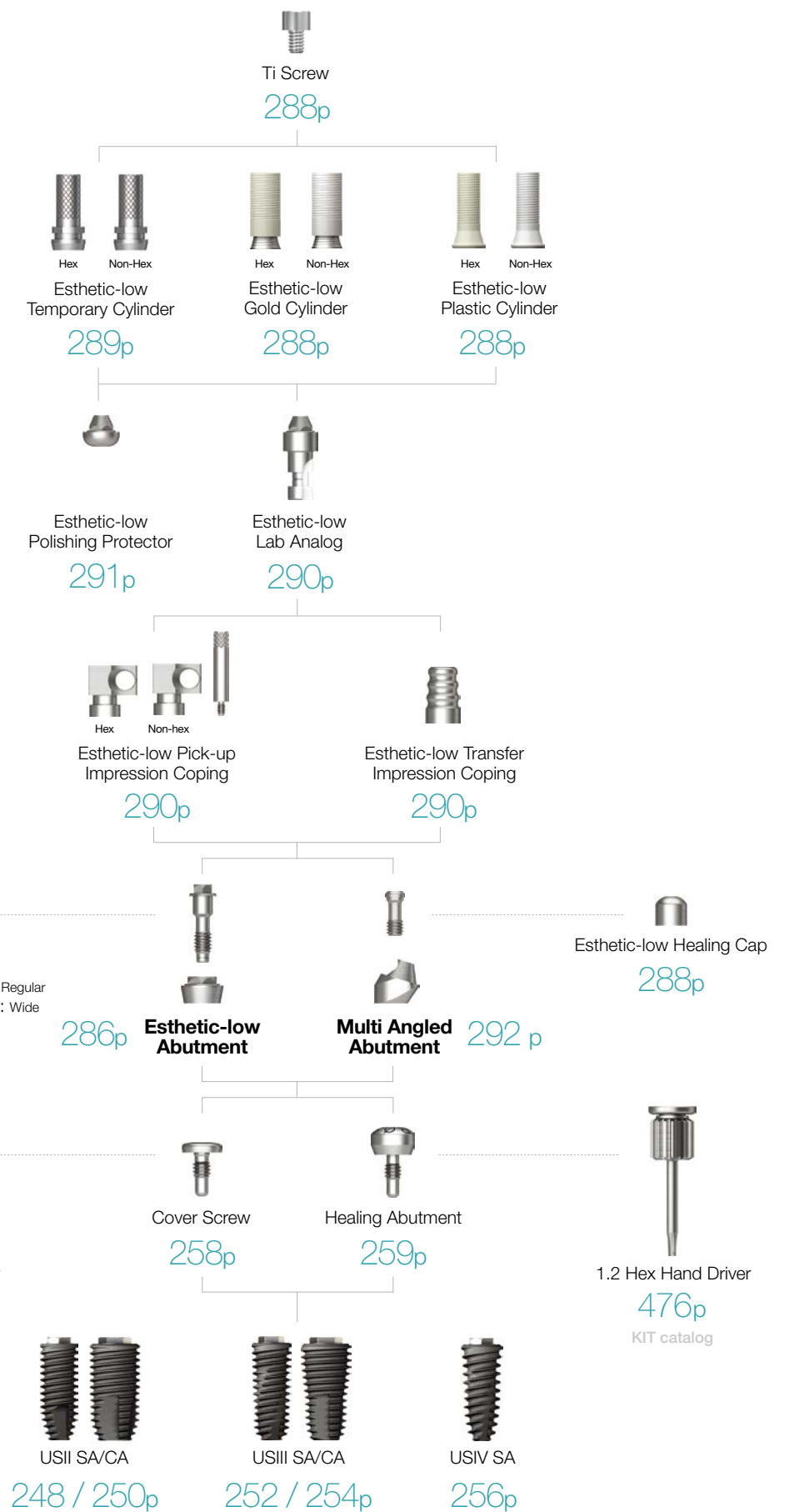
D Ø6.0



H \ G/H	1.0	2.5	4.0
4.0			
5.5	SFAW615SC	SFAW625SC	SFAW645SC

Esthetic / Esthetic-low / Multi Angled

Abutment Level Impression

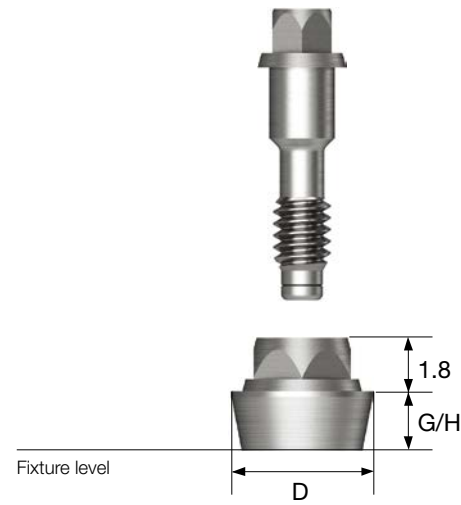


Esthetic Abutment 09.2007

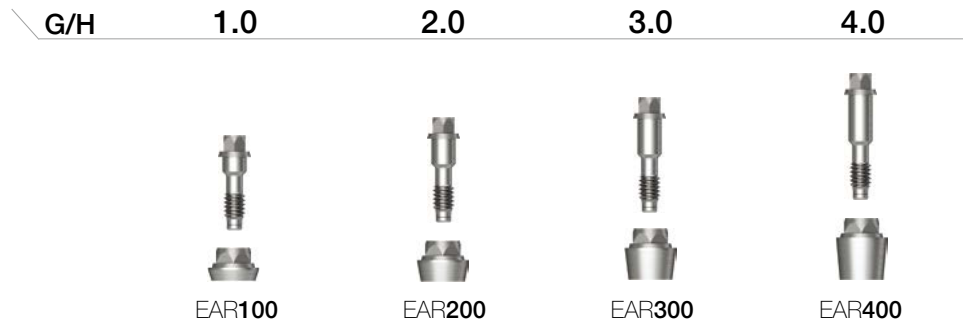


- Used for producing screw-retained prosthesis in multiple case
- Moving the prosthesis joint upward to the soft tissue
- Abutment level impression
- Fixture insertion angle compensated up to 30°
- Tightened with dedicated outer driver (code : TIHD20L/TIHD20S)
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

Abutment + Ti screw order code
: Product code + **TH** (ex : EAR200**TH**)



D Ø4.8



Esthetic Abutment Components

Esthetic Healing Cap

- Protect cap for esthetic abutment
- Hand tightened with a 1.2 hex driver

R Regular

D \ H 6.0



Ø4.8

EHC100

Esthetic Gold Cylinder

- Used for producing screw-retained prosthesis in esthetic abutment
- Used to produce customized prosthesis by casting with gold alloy
- 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

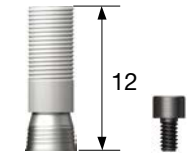
Cylinder + EbonyGold screw order Code
: Product code + **WH** (ex : EGC200**WH**)

R Regular

D \ Type Hex Non-Hex



EGC200



EGC100

Ø4.8

EbonyGold screw
: TS200W

Esthetic Plastic Cylinder

- Used for producing screw-retained prosthesis in esthetic abutment
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Cylinder + Ti cylinder screw

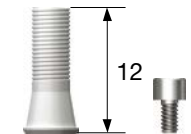
Cylinder + Ti Screw order code
: Product code + **TH** (ex : ETT200**TH**)

R Regular

D \ Type Hex Non-Hex



EPS200



EPS100

Ø4.8

Ti screw
: TS200

Esthetic Abutment Components

Esthetic Temporary Cylinder

- Used for producing temporary prosthesis in esthetic 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 : ETT200TH)

R Regular

D \ Type	Hex	Non-Hex
Ø 4.8	 ETT200	 ETT100
Ti screw : TS200		

Esthetic Transfer Impression Coping

- Transfer impression coping for esthetic abutment
- Hand tightened with 1.2 hex driver

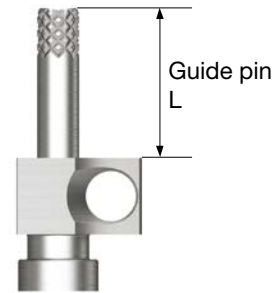
R Regular

D \ H	8.0
Ø 4.8	 ETR100

Esthetic Pick-up Impression Coping

- Pick-up impression coping for esthetic abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : Impression coping body + Guide pin(*)

R Regular






Esthetic Lab Analog

- Lab analog for esthetic abutment
- Hand tightened with 1.2 hex driver

R Regular

D	
Ø 4.8	 ERR300

D \ L	Hex	Non-Hex	Guide Pin			
			5	10	12	15
Ø 4.8	 ESR200	 ESR100	 GP100	 GP150*	 GP170	 GP200

Esthetic 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

R Regular

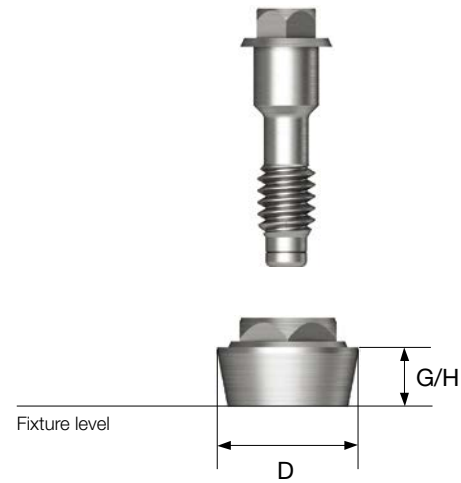
D	
Ø 4.8	 EPCR100

Esthetic-low Abutment 09.2007



- Used for producing screw-retained prosthesis in multiple case
- Moving the prosthesis joint upward to the soft tissue
- Abutment level impression
- Fixture insertion angle compensated up to 48°
- Tightened with a dedicated outer driver
 - Regular : 2.0 internal hex driver (code : TIHD20S/TIHD20L)
 - Wide : 2.7 internal hex driver (code : TIHD27)
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Ti screw

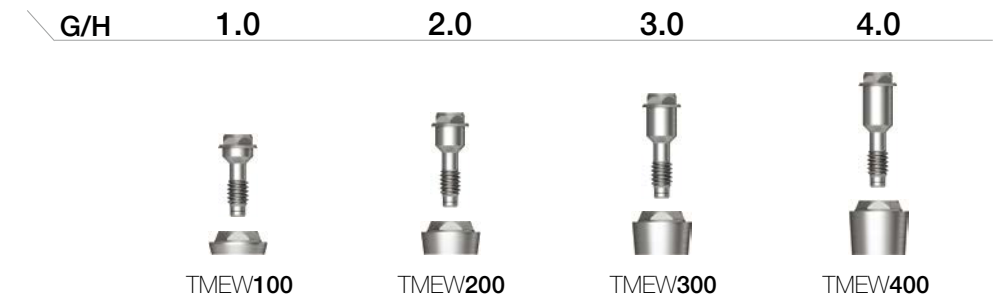
Abutment + Ti screw order code
: Product code + **TH** (ex : MER200**TH**)



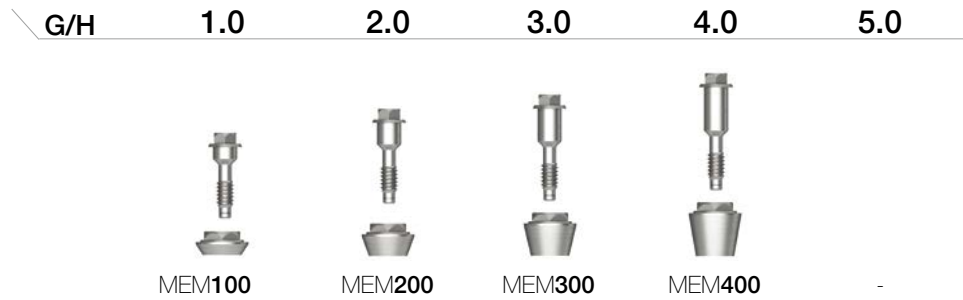
D Ø5.5



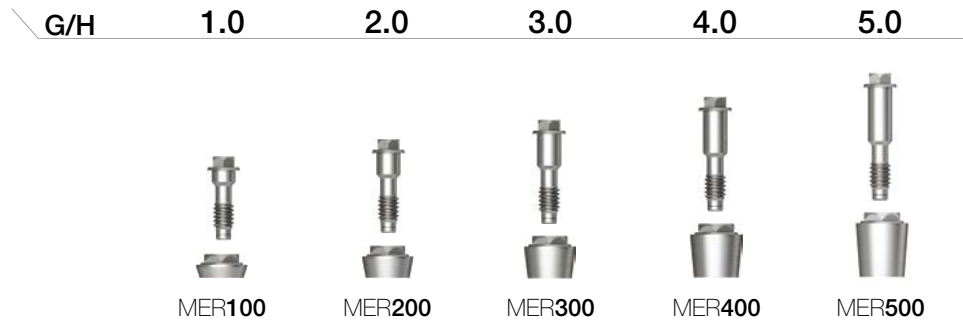
D Ø5.5



D Ø4.8



D Ø4.8



Esthetic-low Abutment Components

Esthetic-low Healing Cap

- Dedicated protect cap for Esthetic-low Abutment
- Hand tightened with a 1.2 hex driver

- M** Mini
- R** Regular
- W** Wide

D \ H	6.0
Ø 4.8 / Ø 4.8	MHCR100
Ø 5.5 / Ø 5.5 PS	MHCW100



Esthetic-low Gold Cylinder

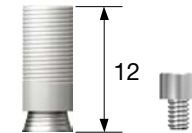
- Used for producing screw-retained prosthesis in Esthetic-low Abutment screw
- Used to produce customized prosthesis by casting with gold alloy
- Cylinder melting temperature : 1,400~1,450°C
- Tightened with 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Cylinder + Ti cylinder screw

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

- M** Mini
- R** Regular
- W** Wide

D \ Type	Hex	Non-Hex
Ø 4.8 / Ø 4.8	MGR200	MGR100
Ø 5.5 / Ø 5.5 PS	MGW200	MGW100

Ti screw
: MTS200 (Ø 4.8 / Ø 4.8)
: WTS200 (Ø 5.5 / Ø 5.5PS)



Esthetic-low Plastic Cylinder

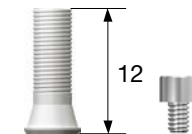
- Used for producing screw-retained prosthesis in Esthetic-low Abutment screw
- Used to produce customized prosthesis by casting with nonprecious metal alloy
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Cylinder + Ti cylinder screw

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

- M** Mini
- R** Regular
- W** Wide

D \ Type	Hex	Non-Hex
Ø 4.8 / Ø 4.8	MEPR200	MEPR100
Ø 5.5 / Ø 5.5 PS	MEPW200	MEPW100

Ti screw
: MTS200 (Ø 4.8 / Ø 4.8)
: WTS200 (Ø 5.5 / Ø 5.5PS)



Esthetic-low Temporary Cylinder

Standard Type

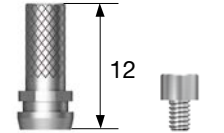
- Used for producing temporary prosthesis in Esthetic-low Abutment (Ti Gr-3)
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Cylinder + Ti cylinder screw

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

- M** Mini
- R** Regular
- W** Wide

D \ Type	Hex	Non-Hex
Ø 4.8 / Ø 4.8	MTR200	MTR100
Ø 5.5 / Ø 5.5 PS	MTW200	MTW100

Ti screw
: MTS200 (Ø 4.8 / Ø 4.8)
: WTS200 (Ø 5.5 / Ø 5.5PS)



Narrow Type

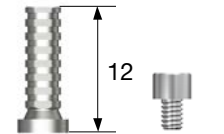
- Used for producing temporary prosthesis in Esthetic-low Abutment (Ti Gr-3)
- Suitable for overdenture with thinner diameter compared to the standard type
- Tightened with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : Cylinder + Ti cylinder screw

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

- M** Mini
- R** Regular
- W** Wide

D \ Type	Hex	Non-Hex
Ø 4.8 / Ø 4.8	NMTR200	NMTR100
Ø 5.5 / Ø 5.5 PS	NMTW200	NMTW100

Ti screw
: MTS200 (Ø 4.8 / Ø 4.8)
: WTS200 (Ø 5.5 / Ø 5.5PS)

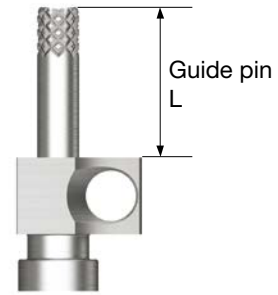


Esthetic-low Abutment Components

Esthetic-low Pick-up Impression Coping

- Components for fixture level impression taking
- Pick-up impression coping for Esthetic-low Abutment
- Hand tightened with a 1.2 hex driver
- Packing unit : Impression coping body + Guide pin(*)

- M** Mini
- R** Regular
- W** Wide



D \ L	Hex		Non-Hex		Guide Pin			
					5	10	12	15
	$\varnothing 4.8 / \varnothing 4.8$ $\varnothing 5.5 / \varnothing 5.5_{PS}$				GPW100	GPW150*	-	-

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
- W** Wide

D	
	MPCR100
	MPCW100
	$\varnothing 4.8 / \varnothing 4.8$ $\varnothing 5.5 / \varnothing 5.5_{PS}$

Esthetic-low Transfer Impression Coping

- Transfer impression coping for Esthetic-low Abutment
- Hand tightened

- M** Mini
- R** Regular
- W** Wide

D \ H	8.0
	MTTR100
	MTTW100
	$\varnothing 4.8 / \varnothing 4.8$ $\varnothing 5.5 / \varnothing 5.5_{PS}$

Esthetic-low Lab Analog

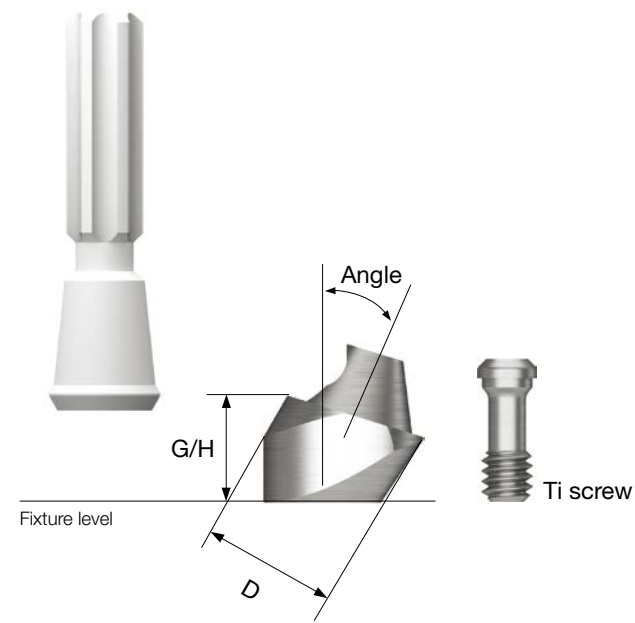
- Lab analog for Esthetic-low Abutment
- Hand tightened with a 1.2 hex driver

- M** Mini
- R** Regular
- W** Wide

D	
	MERR300
	MERW300
	$\varnothing 4.8 / \varnothing 4.8$ $\varnothing 5.5 / \varnothing 5.5_{PS}$

Multi Angled Abutment 01.2013

- Used for producing screw-retained prosthesis in multiple case
- Fixture insertion angle compensated up to 180°
- Same platform as esthetic low abutment
- Producing prosthesis using 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 + Ti screw



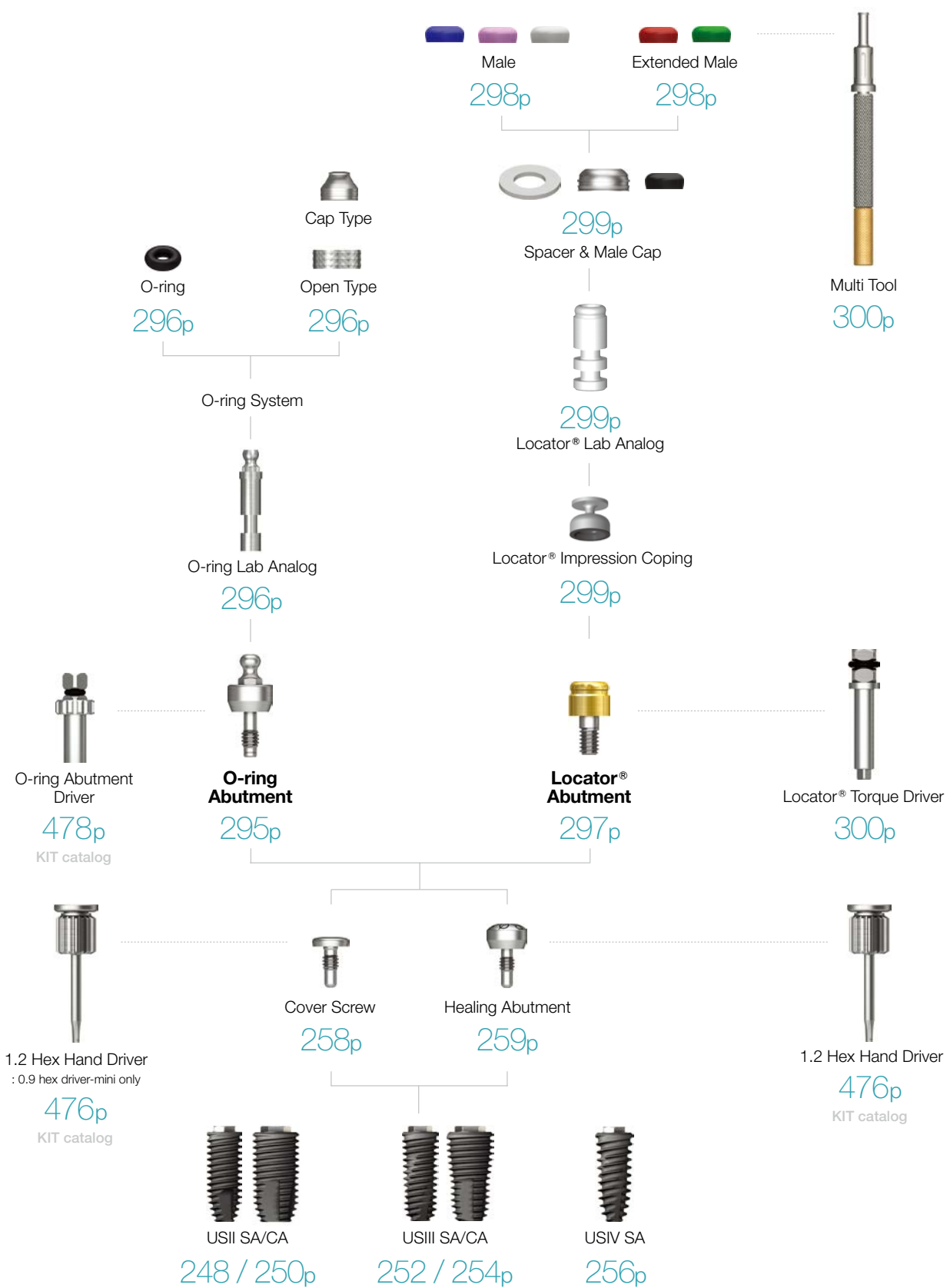
Abutment + Ti screw + Carrier order code
: Product code + **TH** (ex : US17MAR4830**TH**)

D Ø4.8	G/H	2.0	3.0	4.0	3.0	4.0	5.0
	Angle		17°			30°	
M				-	-	-	-
Ti screw : USMABSM		US17MAM4820	US17MAM4830	-	-	-	-

D Ø4.8	G/H	2.0	3.0	4.0	3.0	4.0	5.0
	Angle		17°			30°	
R							
Ti screw : USMABSR		US17MAR4820	US17MAR4830	US17MAR4840	US30MAR4830	US30MAR4840	US30MAR4850

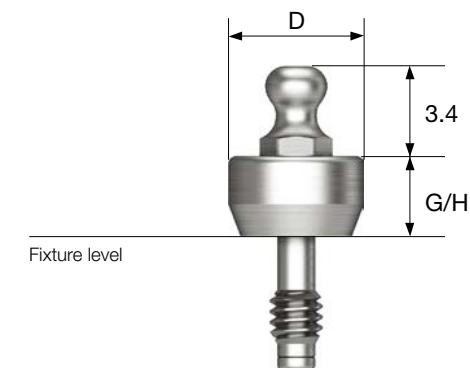


PROSTHETIC FLOW DIAGRAM 3
O-ring / Locator®
 Overdenture



O-ring Abutment 09.2007

- Abutment for overdenture with o-ring attachment
- Insertion angle compensated up to 20°
- Tightened with dedicated outer driver (code : AORD)
- Recommended tightening torque : 30Ncm



D Ø5.0
R

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

D Ø5.6
W

G/H	2.0	3.0	4.0	5.0	6.0
	OAAW200	OAAW300	OAAW400	OAAW500	OAAW600

O-ring Abutment Components

O-ring Retainer Cap Set

- O-ring attachment for O-ring abutment
- O-ring replaced in metal housing
- 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



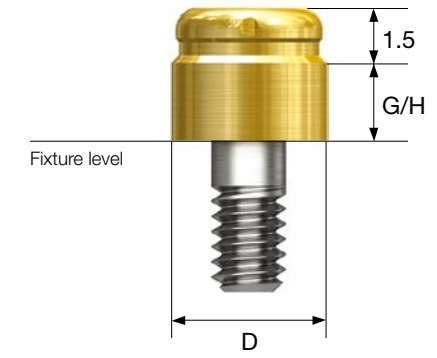
O-ring Lab Analog

- Lab analog for O-ring abutment



Locator® Abutment ^{01.2010}

- Genuine zest anchors abutment
- Placement angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Tightened with a dedicated outer driver (code : TWLDLK/TWLDLSK)
- Recommended tightening torque : 30Ncm



D Ø3.5

M

G/H	1.0	2.0	3.0	4.0	5.0
	HULCA3510M	HULCA3520M	HULCA3530M	HULCA3540M	HULCA3550M

D Ø4.1

R

G/H	1.0	2.0	3.0	4.0	5.0
	HULCA4010R	HULCA4020R	HULCA4030R	HULCA4040R	HULCA4050R

D Ø5.0

W

G/H	1.0	2.0	3.0	4.0	5.0
	HULCA5010W	HULCA5020W	HULCA5030W	HULCA5040W	HULCA5050W

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 the adequate retention force for each case
- Locator core tool for replacing the male
- Packing unit : 2sets



Locator® Black Processing Male

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



Locator® Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20°
- Packing unit : 4ea



- Retention force : Approx. 22N
- Placement angle compensation up to 20°
- Packing unit : 4ea



Locator® Extended Replacement Male

- Retention force : Approx. 6N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



- Retention force : Approx. 12N
- Placement angle compensation up to 20-40°
- Packing unit : 4ea



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



Locator® Impression Coping

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



Locator® Lab Analog

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



Locator® Abutment Components

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



LCOCT

Locator® Torque Driver

- Torque driver for Locator Abutment



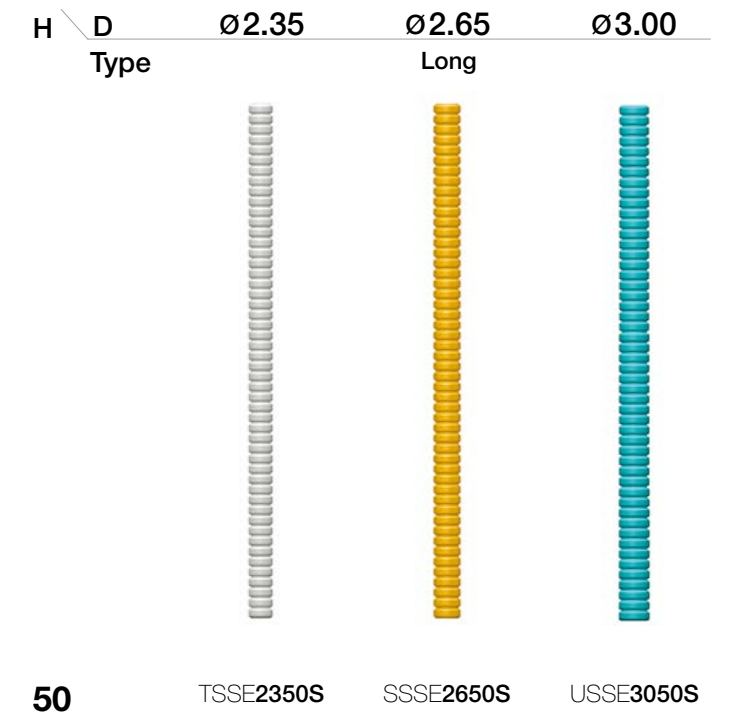
TWLDSK

TWLDLK

OneSeal^{10.2017}

OneSeal

- Disposable medical devices for internal filling of abutment
- Cut to desired length (medical silicone)
- Packing unit : Long 5ea
- TS regular, US mini : TSSE2350S
- SS regular, US regular : SSSE2650S
- US wide : USSE3050S



OSSTEM[®]
IMPLANT



MS SYSTEM

304 MS SA Implant **Narrow Ridge**

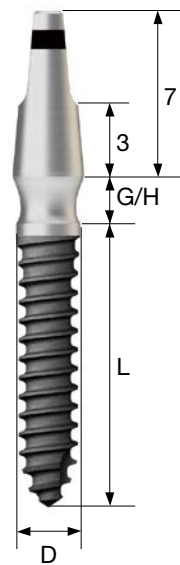
306 MS SA Implant **Denture**

308 MS Implant **Provisional**

310 MS KIT

Narrow Ridge

- Implant system for narrow ridge, such as anterior mandible
- SA surface characterized by superior osseointegration
- Optimized abutment shape and size for prosthesis without removal
- Recommended denture torque : 30Ncm or less



D Ø2.0	G/H \ L	8.5	10	11.5	13

2.5	MSN2008S25	MSN2010S25	MSN2011S25	MSN2013S25
4.0	MSN2008S40	MSN2010S40	MSN2011S40	MSN2013S40

D Ø2.5	G/H \ L	8.5	10	11.5	13

2.5	MSN2508S25	MSN2510S25	MSN2511S25	MSN2513S25
4.0	MSN2508S40	MSN2510S40	MSN2511S40	MSN2513S40

D Ø3.0	G/H \ L	8.5	10	11.5	13

2.5	MSN3008S25	MSN3010S25	MSN3011S25	MSN3013S25
4.0	MSN3008S40	MSN3010S40	MSN3011S40	MSN3013S40

Impression Coping (Narrow Ridge)

- Designed for used in precision impression-taking



MSPIC

Temporary Cap

- Designed for use in temporary prosthesis



MSPTC

Lab Analog

- Incorporating the oral MS implant narrow ridge abutment into the working model



MSPLA

Burn-out Cylinder

- Used as a prosthetic framework by attaching into MS implant narrow ridge
- After prosthetic casting, the margin is adjusted with a special-purpose reamer

Type **Single** **Bridge**



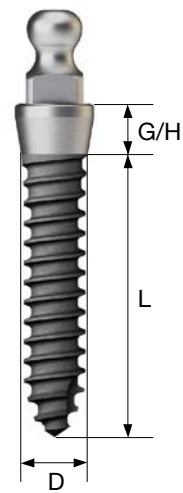
MSPBCS



MSPBCB

Denture

- Implant system for edentulous patients with narrow ridge that cannot accommodate regular-diameter implants
- SA surface characterized by superior osseointegration
- Easy and convenient fabrication of dentures using retainer and lab analog
- Recommended denture torque : 30Ncm or less



D Ø	G/H \ L	8.5	10	11.5	13
2.0		MSD2008S20	MSD2010S20	MSD2011S20	MSD2013S20
	4.0	MSD2008S40	MSD2010S40	MSD2011S40	MSD2013S40
2.5		MSD2508S20	MSD2510S20	MSD2511S20	MSD2513S20
	4.0	MSD2508S40	MSD2510S40	MSD2511S40	MSD2513S40
3.0		MSD3008S20	MSD3010S20	MSD3011S20	MSD3013S20
	4.0	MSD3008S40	MSD3010S40	MSD3011S40	MSD3013S40

O-ring Retainer Cap Set

- Designed for use in the fabrication of stud type overdenture prosthesis
- Packing unit : Retainer cap + O-ring



RCS01

O-ring Set

- Packing unit : 5ea



OAON01S

O-ring Lab Analog (Denture)

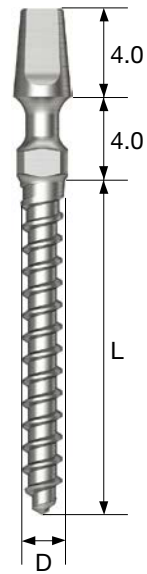
- Incorporating the oral o-ring abutment into the working model



MSDLA

Provisional

- Implant system for completely or partially edentulous patients who require an immediate, temporary prosthesis
- Specially designed neck for providing path compensation and maintaining strength
- Facilitating easy fabrication of temporary prosthesis with provisional cap and lab analog
- One-time bending up to 30°
- Recommended denture torque : 30Ncm or less



D Ø1.8



D Ø2.5



Provisional Cap

- Designed for use in fabrication of temporary prosthesis (titanium)



MSTPC

Lab Analog

- Incorporating the oral MS implant provisional abutment into working model



MSTLA



Base component

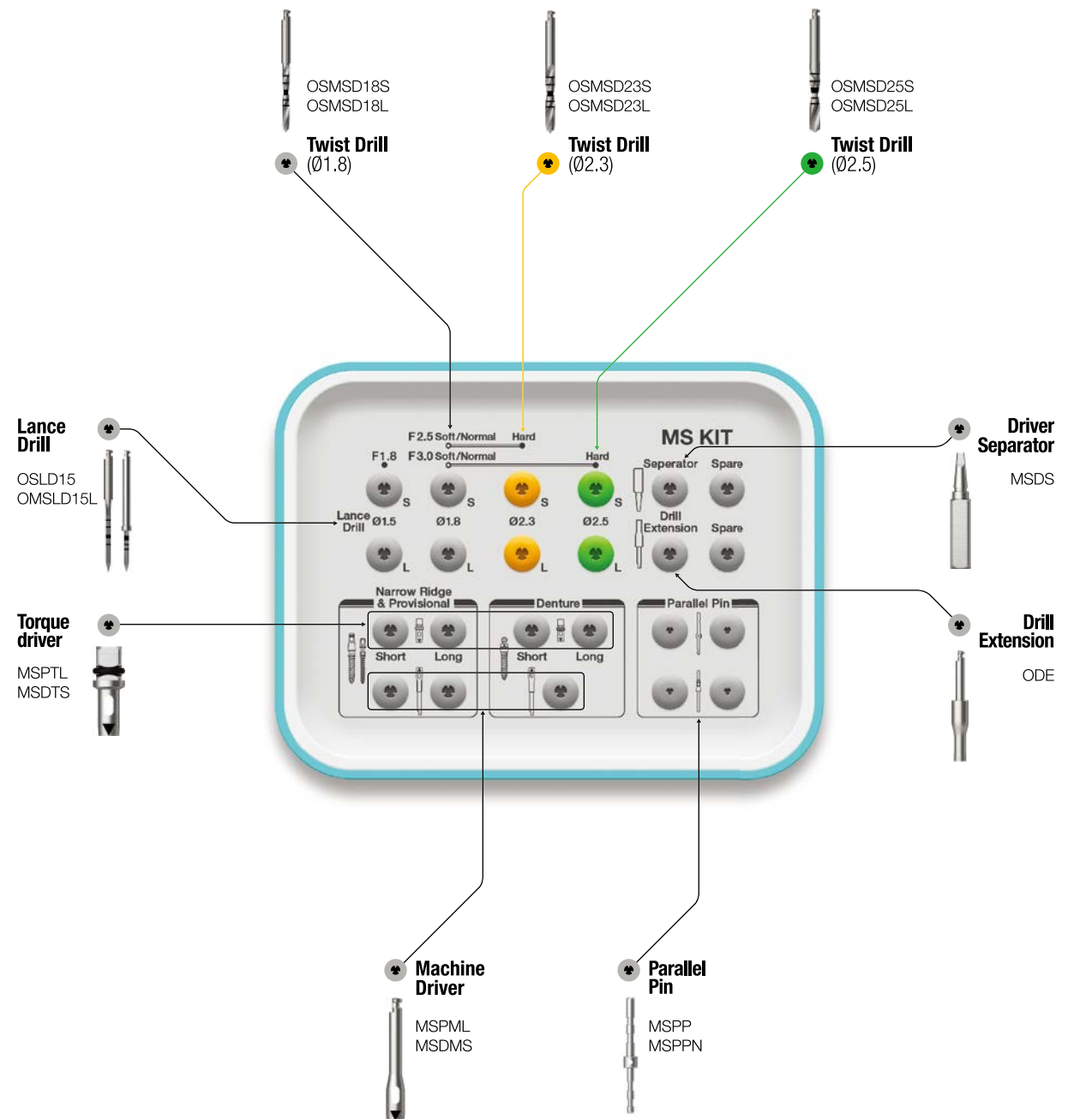
Depth Gauge
MSDG



Ratchet Wrench
CITQW-1185A



For use with MS **MS**



Drill for MS Implant

- Easy to identify by marking a depth corresponding to the available implant lengths (8/10/11.5/13/15)
- Lance drill is recommended only for cortical bone drilling and may be used up to marking line, depending on a surgical environment
- Long type drill with built-in stopper for 13mm length implant



Lance Drill

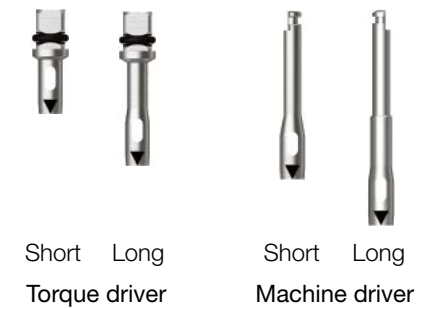
L \ D	Ø1.5
35	OSLD15
38 (Long)	OMSLD15L

Twist Drill

L \ D	Ø1.8	Ø2.3	Ø2.5
Short (33)	OSMSD18S	OSMSD23S	OSMSD25S
Long (41)	OSMSD18L	OSMSD23L	OSMSD25L

Driver for Narrow Ridge & Provisional Type

- Exclusive driver for MS implant narrow ridge & provisional
- Use it by aligning the triangle mark with a cross-section of implant



Torque Driver

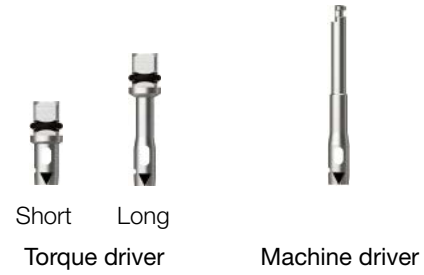
L \ D	Ø3.4
Short (21.5)	MSPTS
Long (16.5)	MSPTL

Machine Driver

L \ D	Ø3.4
Short (29.4)	MSPMS
Long (24.4)	MSPML

Driver for Denture Type

- Drivers specifically exclusive to MS implant denture
- For proper use, align the triangle mark with cross section of implant



Torque Driver

L \ D	Ø3.8
Short (13.5)	MSDTS
Long (18.5)	MSDTL

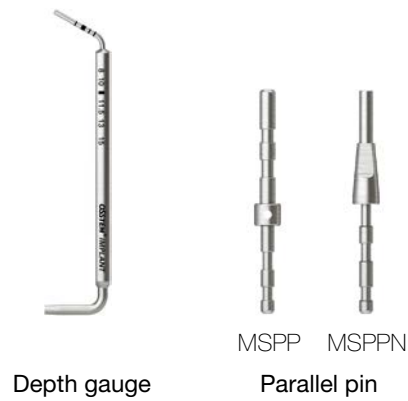
Machine Driver

L \ D	Ø3.8
Long (21.4)	MSDMS

Gauge for MS Implant

- Depth gauge
 - Left : for measuring drill depth
 - Right : for measuring bends in the MS provisional type
 - ※ MS narrow ridge type cannot be bent
- Parallel pin is used to check for drill path
- MSPP : lower diameter Ø 1.5 / upper diameter Ø 1.8
- MSPPN : lower diameter Ø 1.5 / upper shape is the same as MS narrow ridge

Depth Gauge	Parallel Pin
MSDG	MSPP
-	MSPPN



Torque Driver Handle

- Attach it to torque driver when initial implant is placed by hand



MSTH

Driver Separator

- If a driver is stuck during implant placement, then insert driver separator into groove in the driver to separate it by applying leverage



MSDS

MS Removal Tool

- Easy removal of fractured MS Implant (narrow ridge)
- After attaching it to universal handle, use by rotating it in a reverse direction
- Options based on diameter of fractured implant (for Ø 2.0, select orthodontic screw removal tool)
- ※ Single use only. Do not reuse

D (implant to be removed)	Ø2.5	Ø3.0
	OMRT25H	OMRT30H



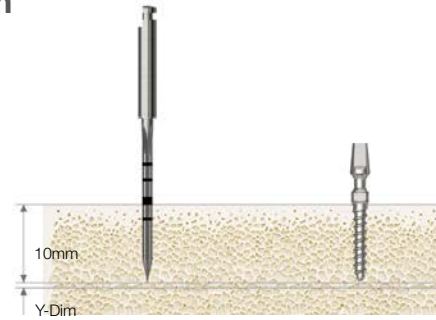
67

Drilling Sequence **MS Drill**

Narrow Ridge | **Denture** | **Provisional**

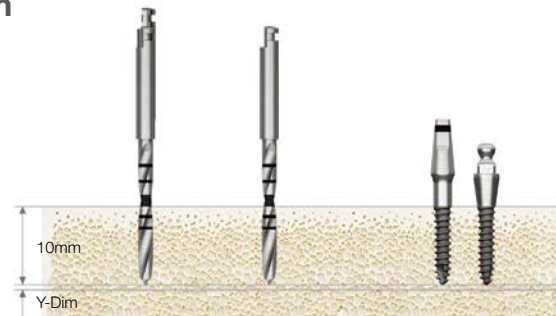
(Length : 10mm)

Ø1.8mm



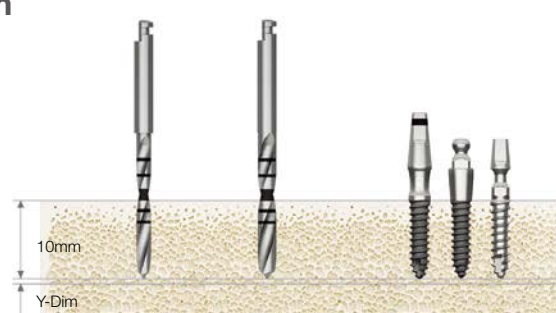
Bone Quality	Lance Drill	Ø 3.0 Fixture
Soft	▶	Implant Placement
Normal	▶	
Hard	▶	

Ø2.0mm



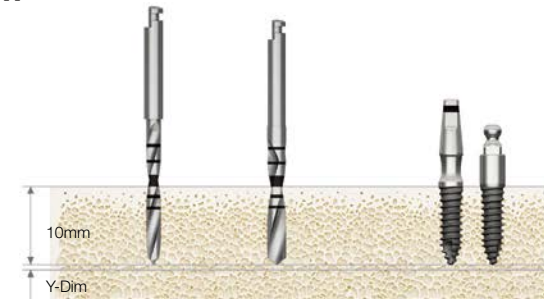
Bone Quality	Lance Drill	Drill (Ø1.8)	Ø 2.0 Fixture
Soft	▶		Implant Placement
Normal	▶		
Hard	▶	▶	

Ø2.5mm



Bone Quality	Drill (Ø1.8)	Drill (Ø2.3)	Ø 2.5 Fixture
Soft	▶		Implant Placement
Normal	▶		
Hard		▶	

Ø3.0mm



Bone Quality	Drill (Ø1.8)	Drill (Ø2.5)	Ø 3.0 Fixture
Soft	▶		Implant Placement
Normal	▶		
Hard		▶	

OSSTEM[®]
IMPLANT



OS SYSTEM

318 OrthAnchor Simple Head
320 OrthAnchor Through Hole
322 OrthAnchor Small Head
323 OrthAnchor Bracket Head
324 OrthAnchor Simple Head Half Etched
326 OrthAnchor Through Hole Half Etched

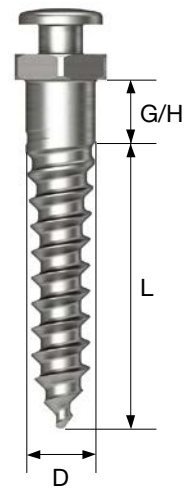
328 Ortho KIT
332 ORP KIT
338 e-Driver & e-Driver plus
339 V-ceph

OrthAnchor Simple Head



Simple Head

- Machined surface
- Material : Ti-6Al-4V
- Connected component : Coil spring(Ø2.5), Power chain, Elastic band
- ※ G/H 4.0 type is produced after order.



D Ø1.2

G/H \ L	6	8	10
1.5	OSSH1206	OSSH1208	-

D Ø1.4

G/H \ L	6	8	10
1.5	OSSH1406	OSSH1408	-

D Ø1.6

G/H \ L	6	8	10
1.5	OSSH1606	OSSH1608	OSSH1610
4.0	OSSH16064	-	-

D Ø1.8

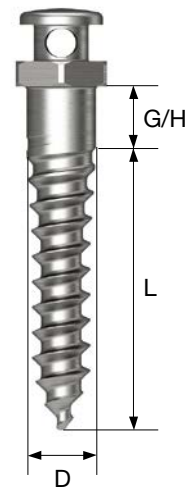
G/H \ L	6	8	10
1.5	OSSH1806	OSSH1808	OSSH1810
4.0	OSSH18064	-	-

OrthAnchor Through Hole



Through Hole

- Machined surface
- Material : Ti-6Al-4V
- D (hole) : Ø0.8
- Connected component : Arch wire(round), Coil spring(Ø2.5), Power chain, Elastic band
- ※ G/H 4.0 type is produced after order.



D Ø1.2

G/H \ L	6	8	10
1.5	OSTH1206	OSTH1208	-

D Ø1.4

G/H \ L	6	8	10
1.5	OSTH1406	OSTH1408	-

D Ø1.6

G/H \ L	6	8	10
1.5	OSTH1606	OSTH1608	OSTH1610
4.0	OSTH16064	-	-

D Ø1.8

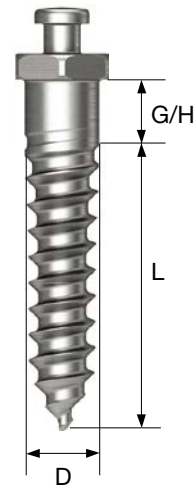
G/H \ L	6	8	10
1.5	OSTH1806	OSTH1808	OSTH1810
4.0	OSTH18064	-	-

OrthAnchor Small Head 10.2013



Small Head

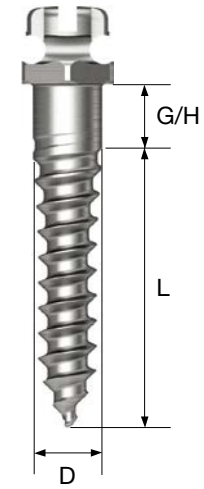
- Machined surface
- Material : Ti-6Al-4V
- D (head) : Ø1.48
- Connected component : Coil spring(Ø1.5/2.0/2.5), Power chain, Elastic band



OrthAnchor Bracket Head 10.2013

Bracket Head

- Machined surface
- Material : Ti-6Al-4V
- Excellent compatibility with various arch wires
- Easy path adjustment with the cross wire slot
- Connected component : Arch wire(rec./round), Coil spring(Ø2.5), Power chain, Elastic band



D Ø	G/H \ L	6			8			10		
		Image			Image			Image		
D Ø1.4	G/H \ L	Image			Image			-		
		OSSHS1406			OSSHS1408			-		
D Ø1.6	G/H \ L	Image			Image			Image		
		OSSHS1606			OSSHS1608			OSSHS1610		
D Ø1.8	G/H \ L	Image			Image			Image		
		OSSHS1806			OSSHS1808			OSSHS1810		

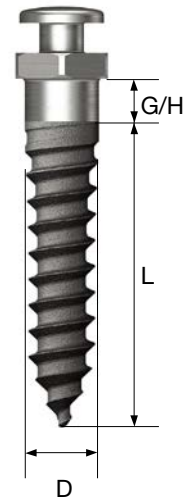
D Ø	G/H \ L	6			8			10		
		Image			Image			Image		
D Ø1.4	G/H \ L	Image			Image			-		
		OSBH1406			OSBH1408			-		
D Ø1.6	G/H \ L	Image			Image			Image		
		OSBH1606			OSBH1608			OSBH1610		
D Ø1.8	G/H \ L	Image			Image			Image		
		OSBH1806			OSBH1808			OSBH1810		

OrthAnchor Simple Head Half Etched



Simple Head Half Etched

- Acid etched surface
- Material : Ti-6Al-4V
- Minimization of early drop out possibility
- Stable effect for children or adolescents or cases with poor bone quality
- Connected component : Arch wire(round), Coil spring(Ø2.5), Power chain, Elastic band



D Ø1.6

G/H \ L	6	8	10
1.5	OSSH1606HE	OSSH1608HE	OSSH1610HE

D Ø1.2

G/H \ L	6	8	10
1.5	OSSH1206HE	OSSH1208HE	-

D Ø1.8

G/H \ L	6	8	10
1.5	OSSH1806HE	OSSH1808HE	OSSH1810HE

D Ø1.4

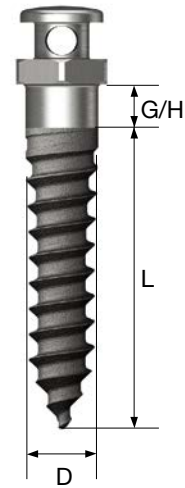
G/H \ L	6	8	10
1.5	OSSH1406HE	OSSH1408HE	-

OrthAnchor Through Hole Half Etched



Through Hole Half Etched

- Acid etched surface
- Material : Ti-6Al-4V
- Minimization of early drop out possibility
- Stable effect when applying for children or adolescents or cases with poor bone quality
- Connected component : Arch wire(round), Coil spring(Ø2.5), Power chain, Elastic band



D Ø1.6

G/H \ L	6	8	10
1.5	OSTH1606HE	OSTH1608HE	OSTH1610HE

D Ø1.2

G/H \ L	6	8	10
1.5	OSTH1206HE	OSTH1208HE	-

D Ø1.8

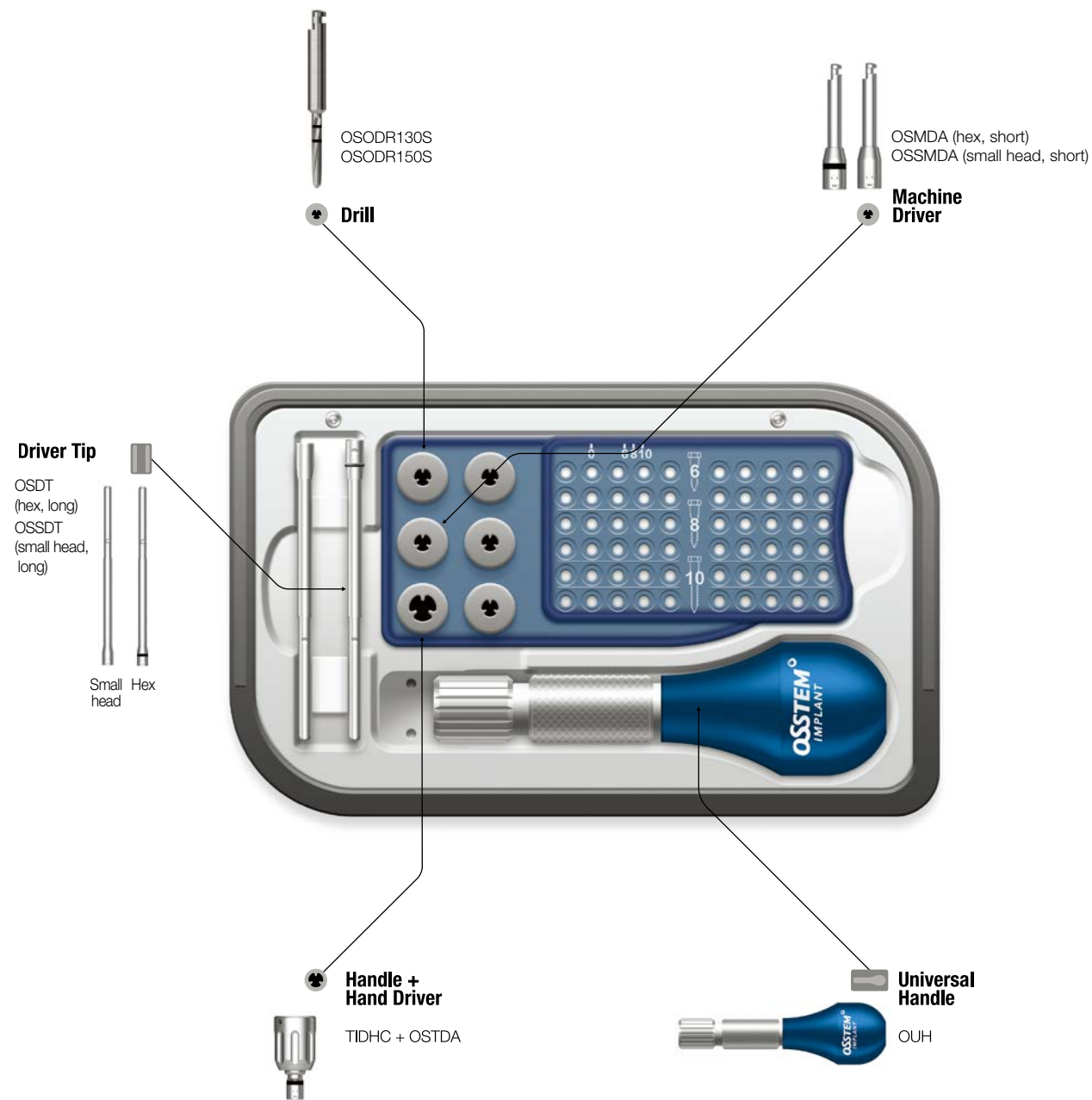
G/H \ L	6	8	10
1.5	OSTH1806HE	OSTH1808HE	OSTH1810HE

D Ø1.4

G/H \ L	6	8	10
1.5	OSTH1406HE	OSTH1408HE	-

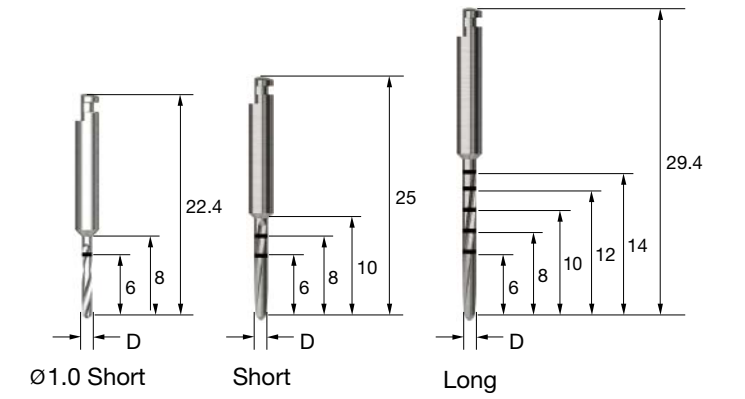


For OS



Drill 10.2013

- Connected to a hand piece (engine) for use
- Ø1.0 drill : For Ø1.2/1.4 screw procedure
- Ø1.3 drill : For Ø1.6 screw procedure
- Ø1.5 drill : For Ø1.8 screw procedure
- Recommended speed : 800rpm (high speed)
- Insertion placement recommended after removing cortical bone only
(Drilling to the same length as the screw length if the cortical bone is too thick)
- Ø1.0 drill for optional purchase (not included in the KIT)



L \ D	Ø1.0	Ø1.3	Ø1.5
Short	OSODR100S	OSODR130S	OSODR150S
Long	-	OSODR130C	OSODR150C

Universal Handle 01.2009

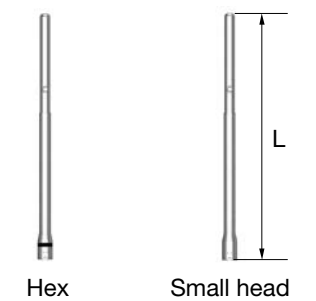
- Used after assembling to the driver tip, easy procedure with anti-slip handle



Driver Tip 01.2009

- Assembled to a universal handle for OrthAnchor procedure
- Consisted of a general hex driver and a small head driver
- Compatible with a universal handle of other company (J company)

L \ Type	Hex	Small Head
Short (L)	OSDTS (45)	OSSDTS (45)
Long (L)	OSDT (67)	OSSDT (67)



Ortho KIT Surgical Instruments

Hand Drill ^{03.2012}

- Assembled to a universal handle for use
- Removing cortical bone only
- Drilling depth : 4mm
- Optional purchase (not included in the KIT)
- ※ Maintain the drilling direction, not exerting bending load while using



Machine Driver ^{01.2009}

- Connected to the engine for OrthAnchor surgery
- Consisted of a general hex driver and a small head hand driver

L \ Type	Hex	Small Head
Short (L)	OSMDA (21.4)	OSSMDA (21.4)
Long (L)	OSMDB (31.4)	OSSMDB (31.4)



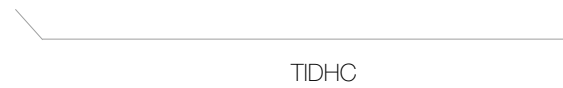
Hex



Small head

Driver Handle ^{01.2009}

- Used for tightening screws with a hand after connecting a hand driver



Hand Driver ^{01.2009}

- Connected to a driver handle or a ratchet wrench for OrthAnchor screw procedure
- Consisted of a general hex driver and a small head hand driver
- Small head hand driver for optional purchase (not included in the KIT)

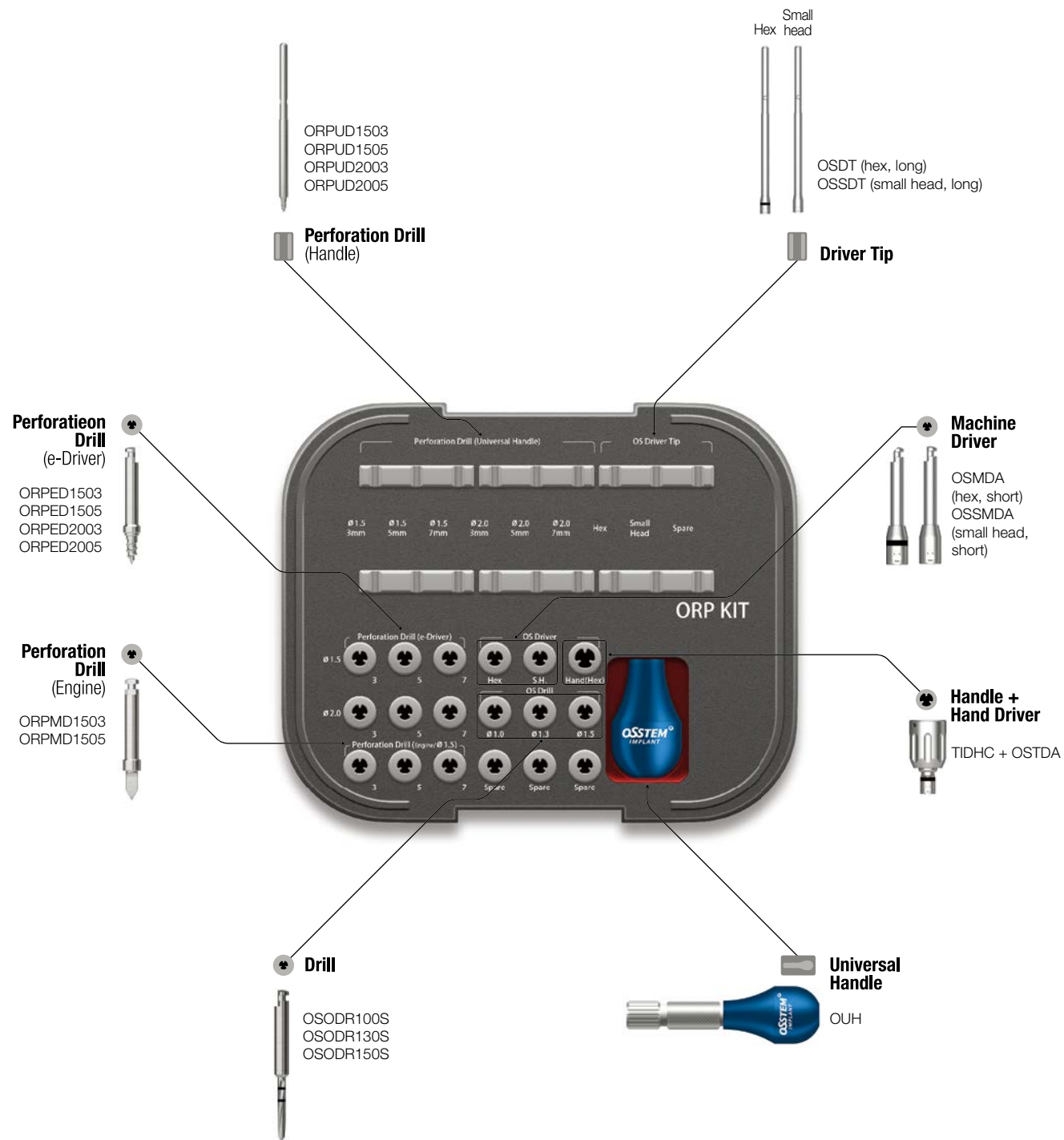
Type	Hex	Small Head
	OSTDA	OSSTDA



Hex

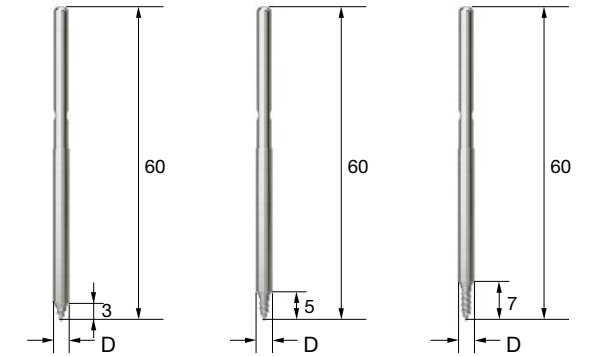


Small head



Perforation Drill (Handle)

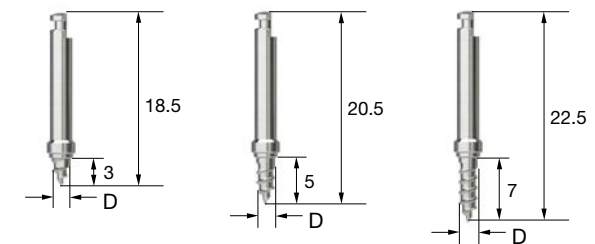
- Connected to universal handle for MOP operation
- Used for areas easy to reach
- Ø1.5 : Anterior region / Ø2.0 : Posterior region and areas with wide spacing between teeth
- ※ MOP : micro-osteoperforation



L \ D	Ø1.5	Ø2.0
3.0	ORPUD1503	ORPUD2003
5.0	ORPUD1505	ORPUD2005
7.0	ORPUD1507	ORPUD2007

Perforation Drill (e-Driver)

- Connected to hand piece (engine) for MOP operation
- Used for areas hard to reach with a hand drill such as palatal region
- Recommended tightening : 25Ncm
- Recommended speed : 30-60rpm

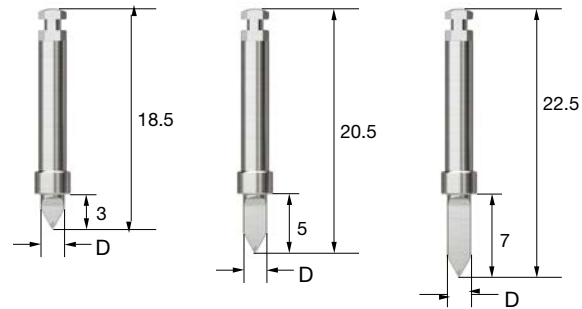


L \ D	Ø1.5	Ø2.0
3.0	ORPED1503	ORPED2003
5.0	ORPED1505	ORPED2005
7.0	ORPED1507	ORPED2007

ORP KIT Surgical Instruments

Perforation Drill (Engine)

- Connected to hand piece(engine) for MOP operation (e-Driver cannot be used)
- Fast operation for hard bone or areas hard to reach with a handle drill
- Recommended speed : 1200rpm



L \ D	Ø1.5	Ø2.0
3.0	ORPMD1503	ORPMD2003
5.0	ORPMD1505	ORPMD2005
7.0	ORPMD1507	ORPMD2007

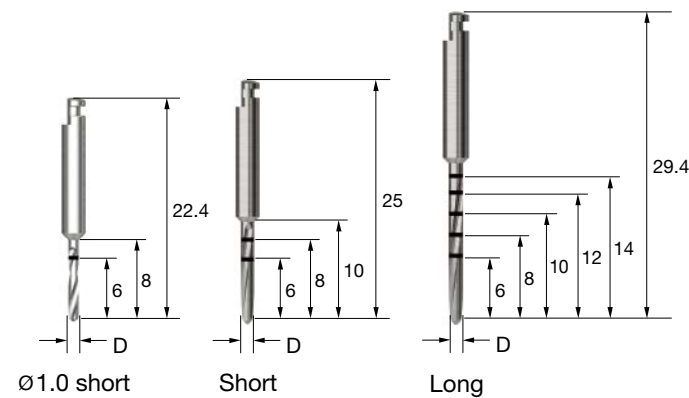
Universal Handle

- Used for MOP surgery by connecting perforation drill (for handle)
- Screw placement is available by connecting a dedicated driver tip



Drill

- Connected to hand piece(engine) for use
- Ø1.0 drill : used for Ø1.2/1.4 screw
- Ø1.3 drill : used for Ø1.6 screw
- Ø1.5 drill : used for Ø1.8 screw
- Recommended speed : 800rpm
- Removal of cortical bone and placement is recommended (If the cortical bone is very thick, drilling has to be same as screw length)

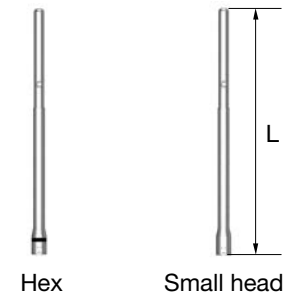


L \ D	Ø1.0	Ø1.3	Ø1.5
Short	OSODR100S	OSODR130S	OSODR150S
Long	-	OSODR130C	OSODR150C

Driver Tip

- Used for OrthAnchor surgery by connecting universal handle
- Composed of general hex driver and small head driver
- Compatible with other company's universal handle (J, Initial of company)

L \ Type	Hex	Small Head
Short (L)	OSDTS (45)	OSSDTS (45)
Long (L)	OSDT (67)	OSSDT (67)



Hand Drill

- Connected to universal handle
- It can remove only cortical bone
- Drilling depth : 4mm
- Optional purchase (not included in the KIT)
- ※ Maintain drilling direction so that no bending load is applied



ORP KIT Surgical Instruments

Driver Handle

- Use for manually fastening screws after connecting a hand driver



Hand Driver

- Used for OrthAnchor surgery by connecting to driver handle and ratchet wrench
- Composed of general hex driver and hand driver for small head
- Hand driver for small head is optional purchase (not included in the KIT)

Type	Hex	Small Head
	OSTDA	OSSTDA



Hex



Small head

Machine Driver

- Used in OrthAnchor operation by fastening to engine
- Composed of general hex driver and machine driver for small head

L \ Type	Hex	Small Head
Short (L)	OSMDA (21.4)	OSSMDA (21.4)
Long (L)	OSMDB (31.4)	OSSMDB (31.4)



Hex

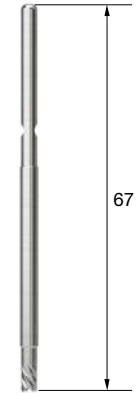


Small head

ORP KIT Removal Tool ^{08.2017}

Removal Tool (Handle)

- Easily removable when fracturing OrthAnchor
- Connect to a universal handle and use it in reverse
- Select the specification according to the fracture screw diameter
- Can also be used for other company screw fractures



D (Removal Screw)	Ø1.2	Ø1.4	Ø1.6	Ø1.8	Ø2.0
	OSRT12H	OSRT14H	OSRT16H	OSRT18H	OSRT20H

Removal Tool (Engine)

- Easily removable when fracturing OrthAnchor
- Connect to e-driver or hand piece (engine) and use it in reverse
- Select the specification according to the fracture screw diameter
- Can also be used for other company screw fractures
- Recommended tightening torque : 35Ncm
- Recommended speed : 100rpm or less



D (Removal Screw)	Ø1.2	Ø1.4	Ø1.6	Ø1.8	Ø2.0
	OSRT12E	OSRT14E	OSRT16E	OSRT18E	OSRT20E

Wireless Electric Driver

e-Driver 06.2016

- Strong and accurate torque (5–35Ncm)
- Adjustable rpm (15–60rpm)
- Minimizes OrthAnchor fractures and accurate insertion path
- Easy abutment tightening and minimizing the chance of screw loosening

OSM-TORQ



V-ceph

V-ceph

- Orthodontics diagnostic software
- VTO / STO (simulation of facial changes before and after treatment)
- Grid view (check the symmetry in the front picture with the guide line)
- Dual monitor-views (compare patient data on two monitors)
- X-ray superimposition (with tracing)
- Sticky note (note in all image views)
- Gallery format (23 types)
- Image process (Image editing)
- Growth forecast
- Change axis (fix FH line horizontally)
- Smart V-ceph (iPad application)



e-Driver Plus NEW 03.2021

- Easy tightening of contra angles
- Strong and accurate torque (5–40Ncm)
- Adjustable rpm (15–55rpm)
- Minimizes OrthAnchor fractures and accurate placement path
- Easy abutment tightening and minimizing the chance of screw loosening

DSD-DTD-0100



OSSTEM[®]
IMPLANT



OSSTEM KIT

- | | | | |
|------------|----------------------------|------------|---------------------------------|
| 342 | OneGuide KIT | 475 | Prosthetic KIT |
| 364 | OneGuide Accessory KIT | 484 | CAS KIT |
| 366 | OnePositioning KIT | 490 | LAS KIT |
| 372 | OneMS KIT | 491 | LAS Full KIT |
| 380 | OneCAS KIT | 494 | ESSET KIT |
| 384 | One485 KIT | 498 | IM-Cure KIT |
| 390 | Denture 4U KIT | 502 | ESR KIT |
| 396 | Positioning Guide KIT | 503 | ESR Full KIT |
| 397 | Positioning Guide Full KIT | 512 | EFR KIT |
| 401 | SmartGuide KIT | 513 | EFR Full KIT |
| 404 | 122 Taper KIT | 518 | Dr.Cho's Instrument KIT |
| 405 | 122 Taper Full KIT | 519 | Osstem Basic Instrument KIT |
| 414 | Taper KIT | 522 | Custom KIT |
| 415 | Taper Ultra KIT | 523 | Healing Case |
| 426 | 123 Straight Simple KIT | 524 | Osteo KIT |
| 430 | 123 Straight KIT | 525 | Osteotome KIT |
| 431 | 123 Straight Full KIT | 526 | Sinus KIT |
| 440 | New Hanaro KIT | 527 | Bone Spreader KIT |
| 446 | Ultra KIT | 528 | Ridge Split KIT Straight |
| 458 | 485 KIT | 529 | Ridge Split KIT Offset |
| 474 | Prosthetic Simple KIT | | |



Top panel components

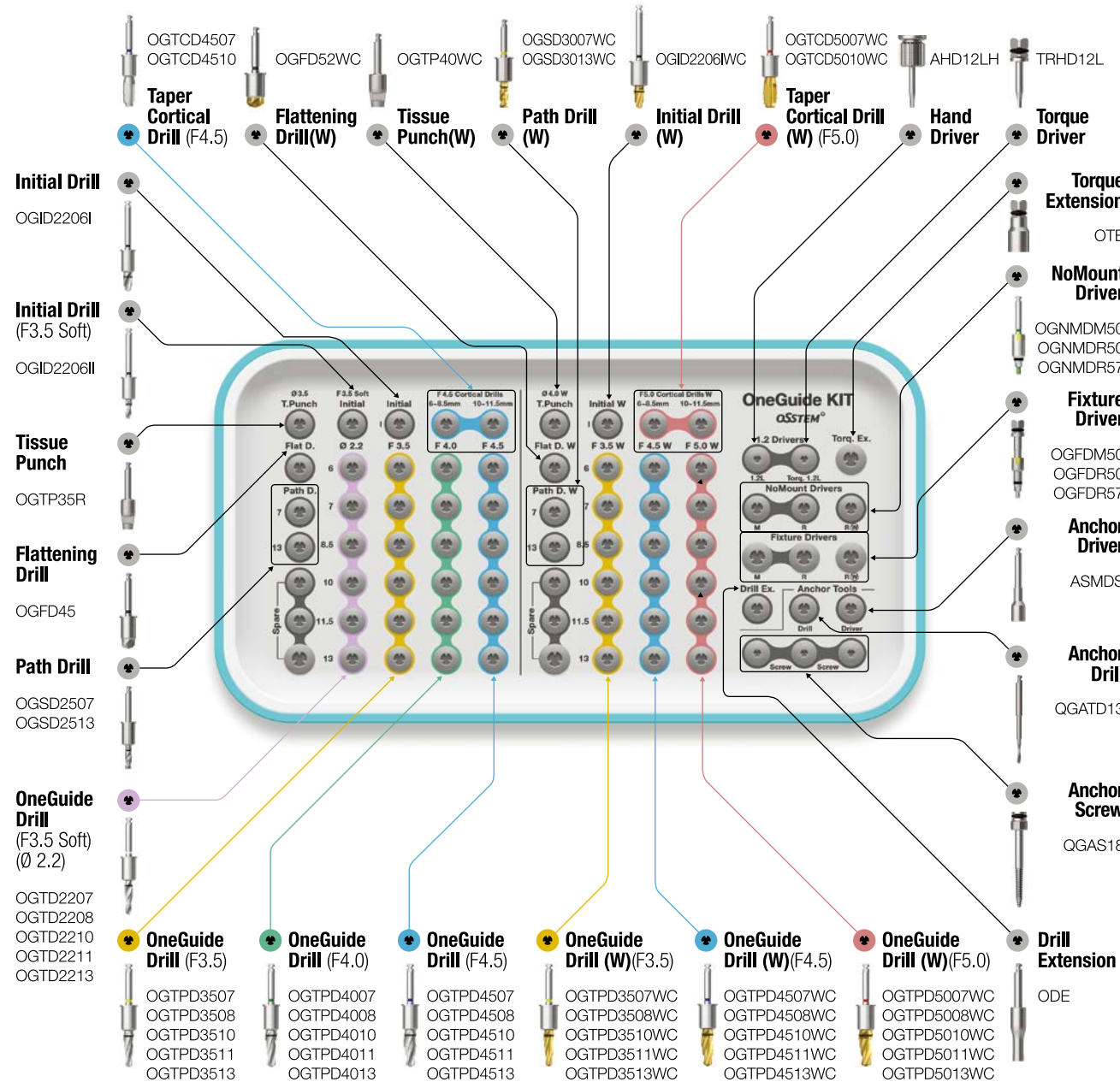
Torque Wrench
TW30B



Depth Gauge
OSDG



For **TSIII / IV** **SSIII** **USIII** **KSIII**



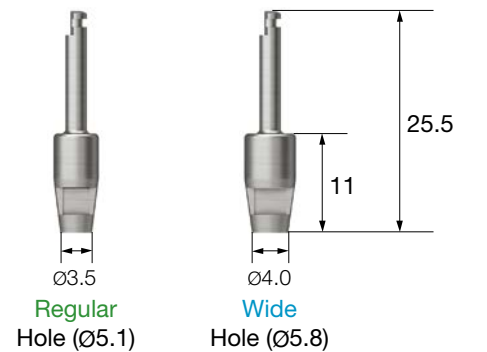
OneGuide

- Sleeveless type : 2 types, open type and close type
 - Open type can be used in posterior region with limited opening
- Metal sleeve type : 1 close type
 - Inserted to the OneGuide hole for use
 - Option available upon ordering the surgical guide
- 2 guide hole types according to the diameter of the fixture
 - Regular hole (Ø5.1) : F3.5 / 4.0 / 4.5
 - Wide hole (Ø5.8) : F5.0
- Double contact function for excellent implant placement accuracy
 - Drill for double contact with drilling hole and OneGuide
- Simple drilling sequence by using 122 Taper KIT Drill
 - Option : OneFit Abutment, temporary crown



Tissue Punch RENEWAL 2020

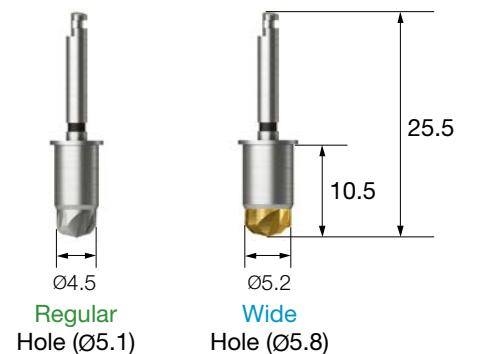
- Used to remove gingiva in flapless surgery
- 7 types according to OneGuide hole diameter
- Other types except the 2 types included in the KIT (OGTP35R, OGTP40W) are sold separately



D	Regular Hole (Ø5.1)	Wide Hole (Ø5.8)
Ø3.0	OGTP30R	-
Ø3.5	OGTP35R	-
Ø4.0	OGTP40R	OGTP40WC
Ø4.5	OGTP45R	OGTP45WC
Ø5.0	-	OGTP50WC

Flattening Drill

- Used for narrow or uneven ridges
- Many cutting blades enabling stable removal without bouncing
- 2 types (for below F4.5 / for F5.0)



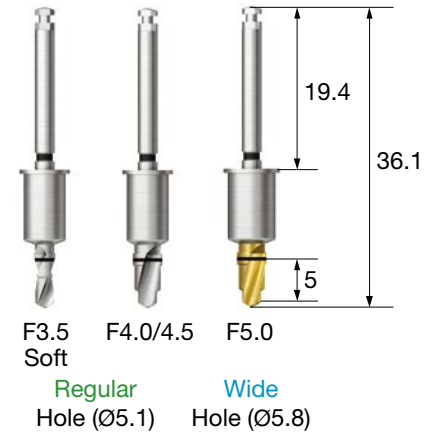
For below F4.5	Regular Hole (Ø5.1)	Wide Hole (Ø5.8)
F5.0	OGFD45	-
	-	OGFD52WC

OneGuide KIT Surgical Instruments

Initial Drill

- Positioning of placement location after using Tissue Punch
- Securing the guide depth of the following drill
- 3 types (F3.5 soft, F4.0/4.5, F5.0)
- Sold separately

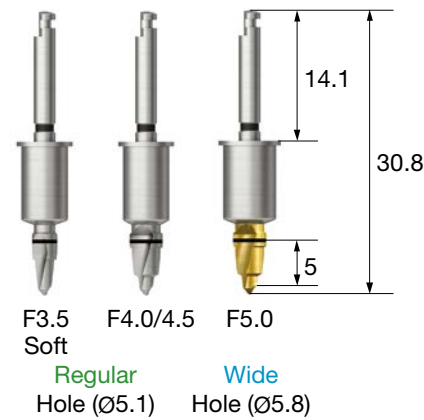
	Regular Hole (Ø5.1)	Wide Hole (Ø5.8)
F3.5 Soft	OGID2206II	-
F4.0/F4.5	OGID2206I	-
F5.0	-	OGID2206IWC



Initial Drill (Short Type) NEW 2020

- Short type drill with a handle 5.3mm shorter than the Initial Drill
- Used for limited intermaxillary space
- 3 types (F3.5 soft, F4.0/4.5, F5.0)
- Sold separately

	Regular Hole (Ø5.1)	Wide Hole (Ø5.8)
F3.5 Soft	OGD2206IIS	-
F4.0/F4.5	OGD2206IS	-
F5.0	-	OGD2206ISWC

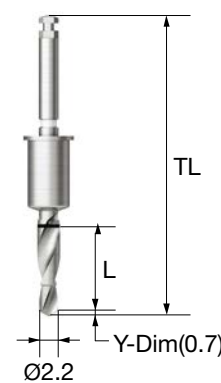


OneGuide Twist Drill (Ø2.2)

- Used for placing a F3.5 Fixture in soft bone
- 5 types according to the length

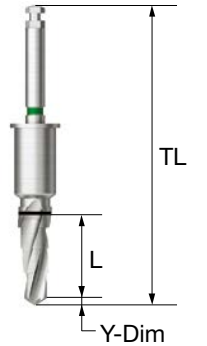
Regular Hole (Ø5.1)

L	TL	Ø2.2
7	36.1	OGTD2207
8.5	36.1	OGTD2208
10	36.1	OGTD2210
11.5	37.6	OGTD2211
13	39.1	OGTD2213



OneGuide Drill

- Taper Drill optimized for III/IV type Fixture
- Used for placing F3.5~F5.0 and 6~13mm Fixture
- Stable drilling with multi-stage structure
- 6mm diameter and F5.5(W) types are sold separately



Regular Hole (Ø5.1)

L	TL	F3.5	F4.0	F4.5
	Y-Dim	0.7	0.9	1.0
6	36.1	OGTPD3506	OGTPD4006	OGTPD4506
7	36.1	OGTPD3507	OGTPD4007	OGTPD4507
8.5	36.1	OGTPD3508	OGTPD4008	OGTPD4508
10	36.1	OGTPD3510	OGTPD4010	OGTPD4510
11.5	37.6	OGTPD3511	OGTPD4011	OGTPD4511
13	39.1	OGTPD3513	OGTPD4013	OGTPD4513

Wide Hole (Ø5.8)

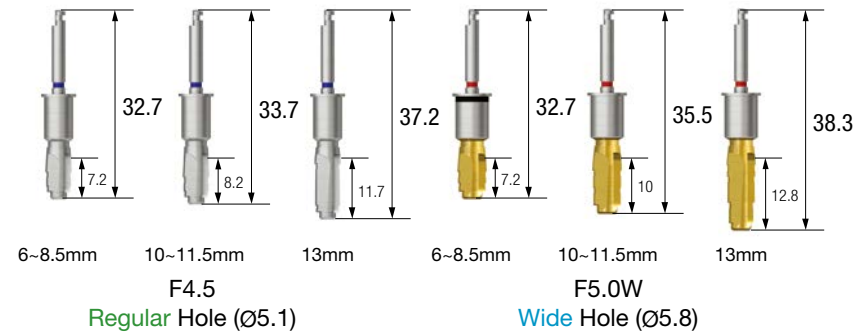
L	TL	F3.5(w)	F4.5(w)	F5.0(w)	F5.5(w)
	Y-Dim	0.7	1.0	1.0	1.0
6	36.1	OGTPD3506WC	OGTPD4506WC	OGTPD5006WC	OGTPD5506WC
7	36.1	OGTPD3507WC	OGTPD4507WC	OGTPD5007WC	OGTPD5507WC
8.5	36.1	OGTPD3508WC	OGTPD4508WC	OGTPD5008WC	OGTPD5508WC
10	36.1	OGTPD3510WC	OGTPD4510WC	OGTPD5010WC	OGTPD5510WC
11.5	37.6	OGTPD3511WC	OGTPD4511WC	OGTPD5011WC	OGTPD5511WC
13	39.1	OGTPD3513WC	OGTPD4513WC	OGTPD5013WC	OGTPD5513WC

OneGuide KIT Surgical Instruments

RENEWAL 2020

OneGuide Taper Cortical Drill

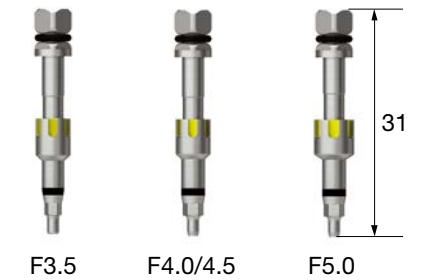
- Used for placing F4.5 and F5.0 Fixtures in hard bone
- Optimized placement torque by cutting cortical bone
- Product for 13mm diameter Fixtures is sold separately
- Drilling up to the marking line when placing F5.0 6mm



L \ C	Regular Hole (Ø5.1) F4.5		Wide Hole (Ø5.8) F5.0W	
	Mini	Regular	Mini	Regular
6 / 7 / 8.5mm		OGTCD4507		OGTCD5007WC
10 / 11.5mm		OGTCD4510		OGTCD5010WC
13mm		OGTCD4513		OGTCD5013WC

Fixture Driver

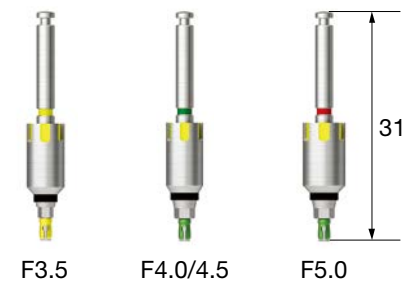
- Used by assembling to a wrench for adjusting the final placement depth
- Yellow groove formed to align the abutment hex direction
- Checked by matching the groove of OneGuide with the groove of driver
- C = Connection



C	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Mini	Regular	Mini	Regular
F3.5	OGFDM50	-	-	-
F4.0 / F4.5	-	OGFDR50	-	-
F5.0	-	-	-	OGFDR57

NoMount Driver

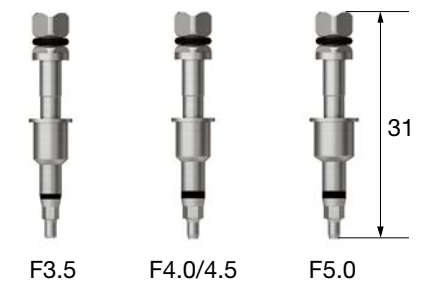
- Used for placing a NoMount fixture
- ※ It is recommended to place up to 80% of the planned fixture placement depth
- C = Connection



C	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Mini	Regular	Mini	Regular
F3.5	OGNMDM50	-	-	-
F4.0 / F4.5	-	OGNMDR50	-	-
F5.0	-	-	-	OGNMDR57

Fixture Driver (Stopper Type) NEW 2020

- Featuring stopper design to prevent entry below the upper surface of OneGuide hole
- Sold separately
- C = Connection

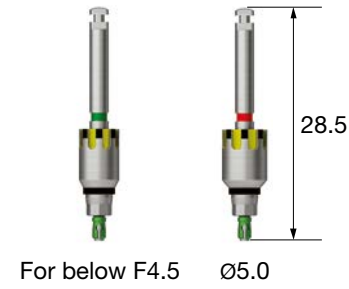


C	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Mini	Regular	Mini	Regular
F3.5	OGFDSM50	-	-	-
F4.0 / F4.5	-	OGFDSR50	-	-
F5.0	-	-	-	OGFDSR57

OneGuide KIT Surgical Instruments

OneGuide SS NoMount Driver

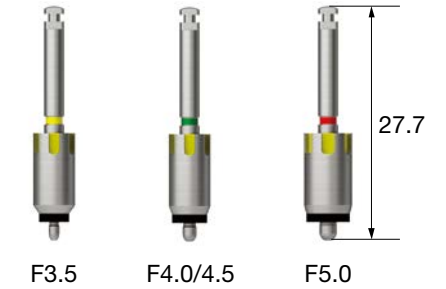
- Used for placing a SSIII NoMount fixture
- It is recommended to place up to 80% of the planned fixture placement depth
- Sold separately
- P = Platform



P	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Regular		Regular	
For below F4.5	OGNMDR50S	-	-	OGNMDR57S
F5.0	-	-	-	-

OneGuide US NoMount Driver

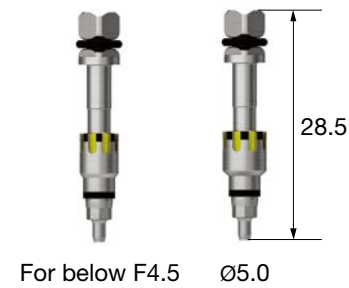
- Used for placing a USIII NoMount Fixture
- It is recommended to place up to 80% of the planned fixture placement depth
- Sold separately
- P = Platform



P	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Mini	Regular	Wide	
F3.5	OGNMDM50U	-	-	-
F4.0 / F4.5	-	OGNMDR50U	-	-
F5.0	-	-	-	OGNMDW57U

OneGuide SS Fixture Driver

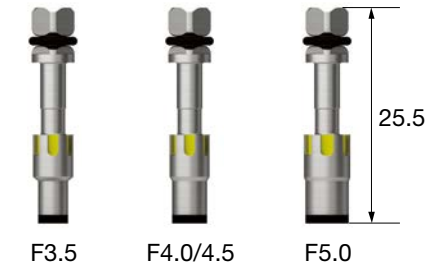
- Used by assembling to a wrench for adjusting the final placement depth
- Placing SSIII G/H 2.8 up to the octa custom groove marking line
- Yellow groove formed to align the abutment octa direction
- Checked by matching the groove of OneGuide with the groove of driver
- Sold separately
- P = Platform



P	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Regular		Regular	
For below F4.5	OGFDR50S	-	-	OGFDR57S
F5.0	-	-	-	-

OneGuide US Fixture Driver

- Used by assembling to a wrench for adjustment of the final placement depth
- Yellow groove formed to align the abutment hex direction
- Checked by matching the groove of OneGuide with the groove of driver
- Sold separately
- P = Platform

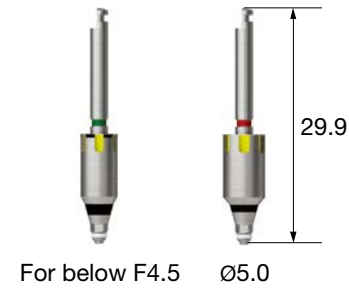


P	Regular Hole (Ø5.1)		Wide Hole (Ø5.8)	
	Mini	Regular	Wide	
F3.5	OGFDM50U	-	-	-
F4.0 / F4.5	-	OGFDR50U	-	-
F5.0	-	-	-	OGFDW57U

OneGuide KIT Surgical Instruments

OneGuide KS NoMount Driver NEW 2020

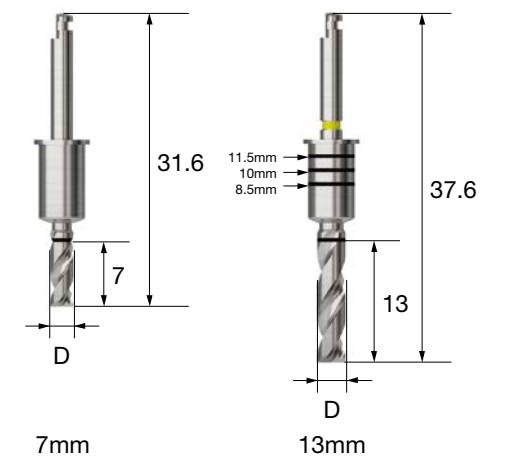
- Used for placing a KS NoMount Fixture
- It is recommended to place up to 80% of the planned fixture placement depth
- Sold separately
- C = Connection



C	Regular Hole (Ø5.1) Regular	Wide Hole (Ø5.8) Regular
For below F4.5	OGNMDR50K	-
F5.0	-	OGNMDR57K

OneGuide Path Drill 12.2018

- Drill to correct the path deviation during OneGuide surgery
- Drill to form fixture placement path for extraction case
- Flat blade design optimized for cutting inclined bones
- 4 types for each OneGuide hole diameter, 8 types in total : Regular hole (Ø5.1) / Wide hole (Ø5.8)
- Default KIT components : Regular hole (Ø5.1) - Ø2.5 / Wide hole (Ø5.8) - Ø3.0
- 13mm type product adjusts depth according to the marking line (Top line 11.5mm, Midline 10mm, Bottom line 8.5mm)



Regular Hole (Ø5.1)

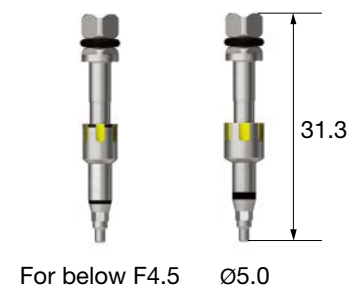
L \ D	Ø2.5	Ø3.0
7	OGSD2507	OGSD3007
13.0	OGSD2513	OGSD3013

Wide Hole (Ø5.8)

L \ D	Ø2.5	Ø3.0
7	OGSD2507WC	OGSD3007WC
13.0	OGSD2513WC	OGSD3013WC

OneGuide KS Fixture Driver

- Used by assembling to a wrench for adjustment of the final placement depth
- Yellow groove formed to align the abutment hex direction
- Checked by matching the groove of OneGuide with the groove of driver
- Below F4.5 : Up to the marking line
- F3.5 : Up to the lower line, placing the a fixture up to the lower part of the hex custom groove line
- Sold separately
- C = Connection



C	Regular Hole (Ø5.1) Regular	Wide Hole (Ø5.8) Regular
For below F4.5	OGFDR50K	-
F5.0	-	OGFDR57K

Anchor Drill

- Used for drilling before using an Anchor Screw

QGATD13



Mount Driver (OneGuide Anchor Driver)

- Used by connecting to a simple mount for placing a fixture (Short type)
- Used by connecting to an Anchor Screw for OneGuide surgery

ASMDS



OneGuide KIT Surgical Instruments

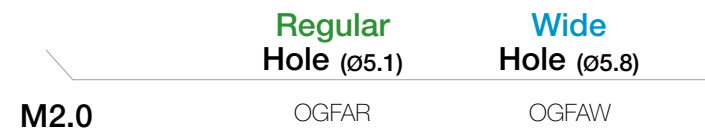
Anchor Screw

- Used for fixing OneGuide in place (e.g. edentulous case)
- Applied selectively in preoperative planning stage



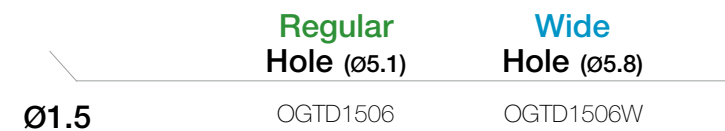
OneGuide Fixture Anchor ^{11.2019}

- Used for fixing OneGuide in place vertically (e.g. edentulous case)
- Placed to the fixture vertically to fix OneGuide in place
- Tightened with 1.2 hex driver (hand mode)
- Only used for a Regular connection of F4.0 or greater
- Sold separately



OneGuide Twist Drill ^{11.2019}

- Used for drilling before using an OneGuide Bone Anchor
- Sold separately



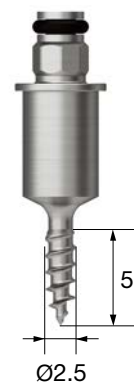
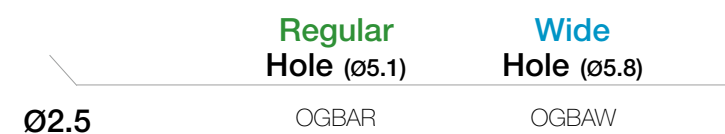
CT Checker ^{08.2019}

- Checking the drilling path through CT scan by connecting to the guide hole before OneGuide procedure (e.g. edentulous case)
- 1 type each for each hole diameter
- Sold separately
- 1 set = 5ea



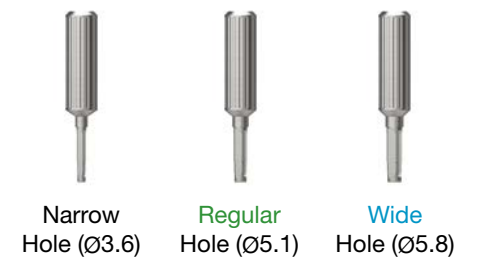
OneGuide Bone Anchor ^{11.2019}

- Used for fixing OneGuide in place vertically (e.g. edentulous case)
- Mounted on alveolar bone to fix OneGuide in place
- Soft bone : placed directly
- Normal/hard bone : placed after using the OneGuide Twist Drill for Bone Anchor
- Tightened 20rpm FWD with Anchor Driver
- Sold separately



OneGuide Reamer Drill ²⁰¹⁹

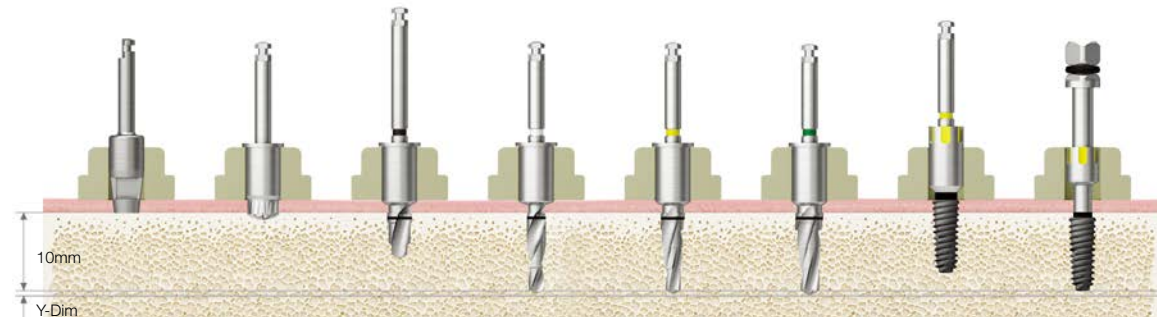
- Reamer for hole size adjustment after OneGuide template output
- 3 types according to the OneGuide hole size
- Sold separately



Drilling Sequence **OneGuide Drill**

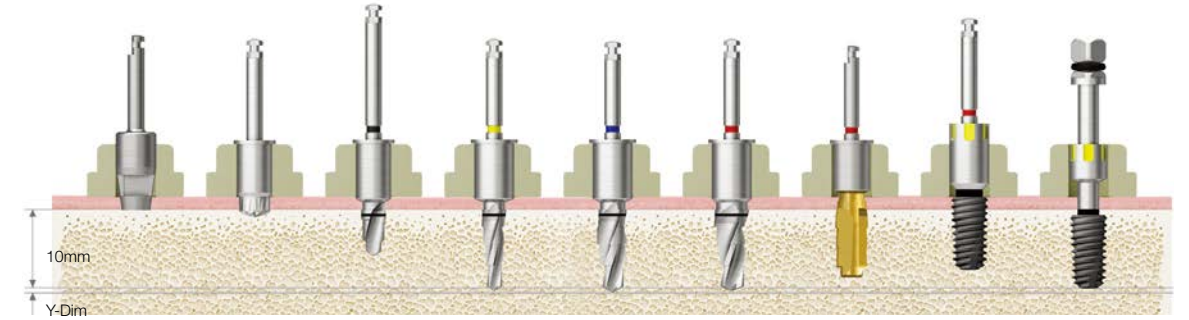
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

Ø3.5



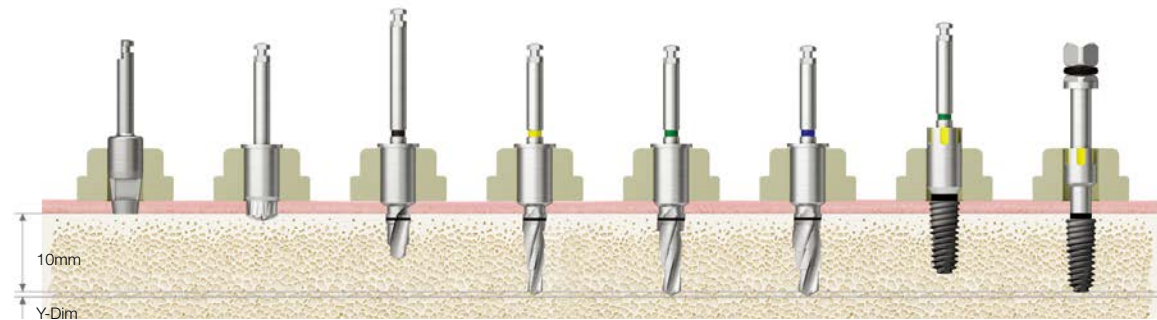
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (Ø2.2)	Drill (F3.5)	Drill (F4.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	(F3.5 Soft) ▶	▶				
Normal	▶	(▶)	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶		▶	▶		

Ø5.0



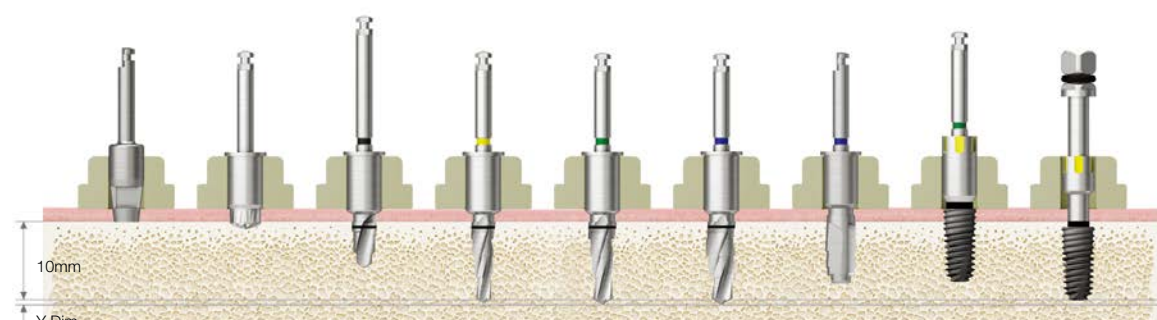
Bone Quality	Tissue Punch	Flattening Drill (W)	Initial Drill (W)	Drill (W) (F3.5)	Drill (W) (F4.5)	Drill (W) (F5.0)	Cortical (W) (F5.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶				
Normal	▶	(▶)	▶	▶			▶	Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶		▶	▶		

Ø4.0



Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶				
Normal	▶	(▶)	▶	▶	▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶		▶		

Ø4.5

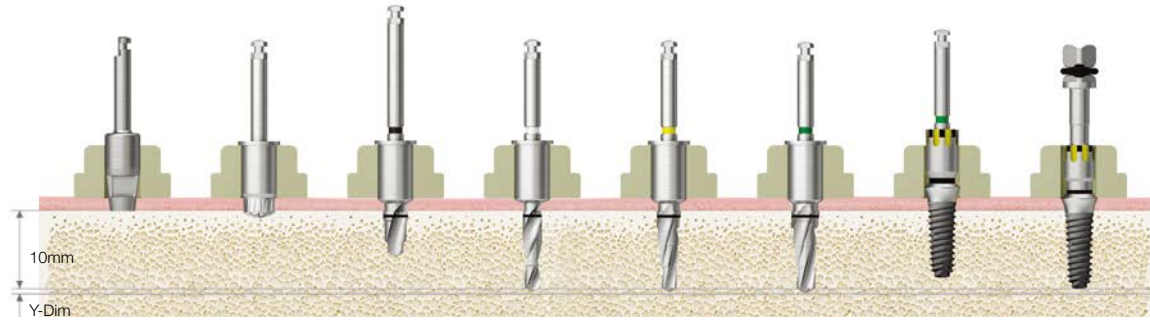


Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶				
Normal	▶	(▶)	▶	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶		▶	▶		

Drilling Sequence OneGuide Drill

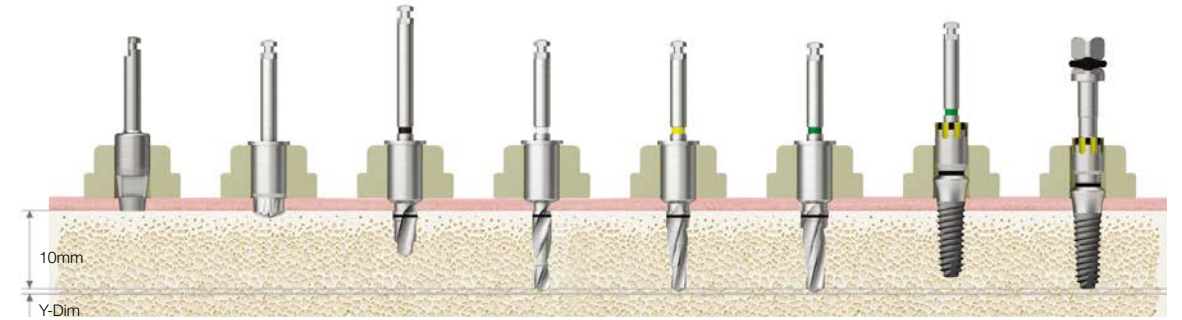
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

G/H 1.8
Ø3.5



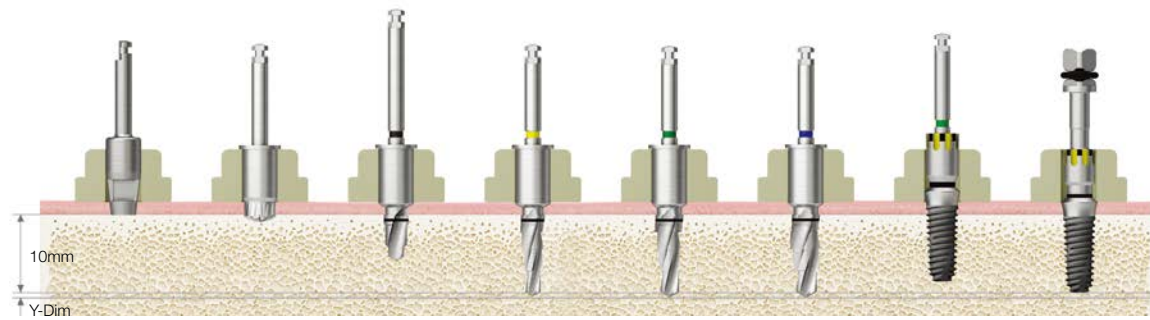
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (Ø2.2)	Drill (F3.5)	Drill (F4.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	(F3.5 Soft) ▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶		▶			
Hard	▶	(▶)	▶		▶	▶		

G/H 2.8
Ø3.5



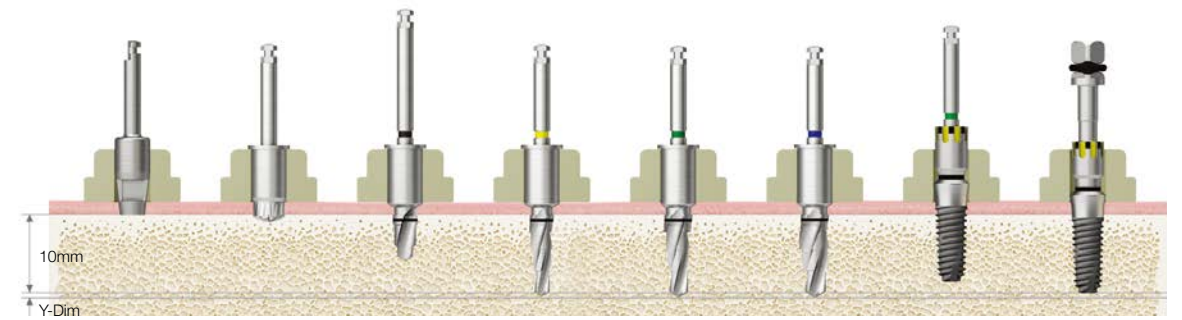
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (Ø2.2)	Drill (F3.5)	Drill (F4.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	(F3.5 Soft) ▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶		▶			
Hard	▶	(▶)	▶		▶	▶		

G/H 1.8
Ø4.0



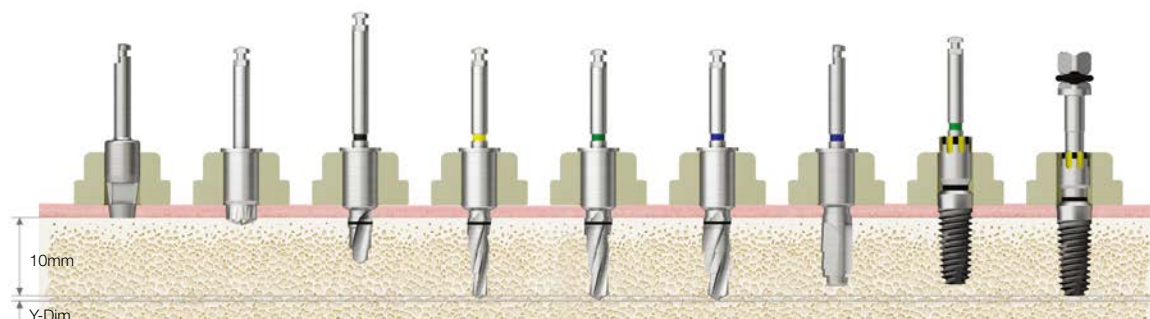
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶	▶			
Hard	▶	(▶)	▶	▶		▶		

G/H 2.8
Ø4.0



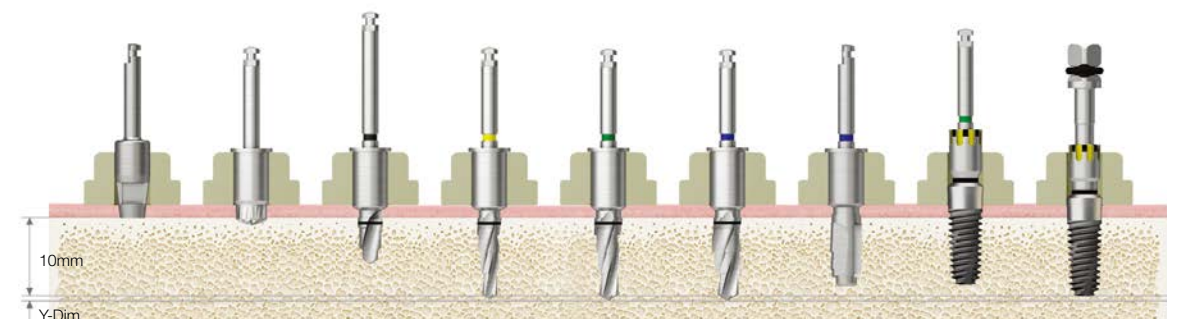
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶	▶			
Hard	▶	(▶)	▶	▶		▶		

G/H 1.8
Ø4.5



Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶		▶			
Hard	▶	(▶)	▶	▶		▶	▶		

G/H 2.8
Ø4.5

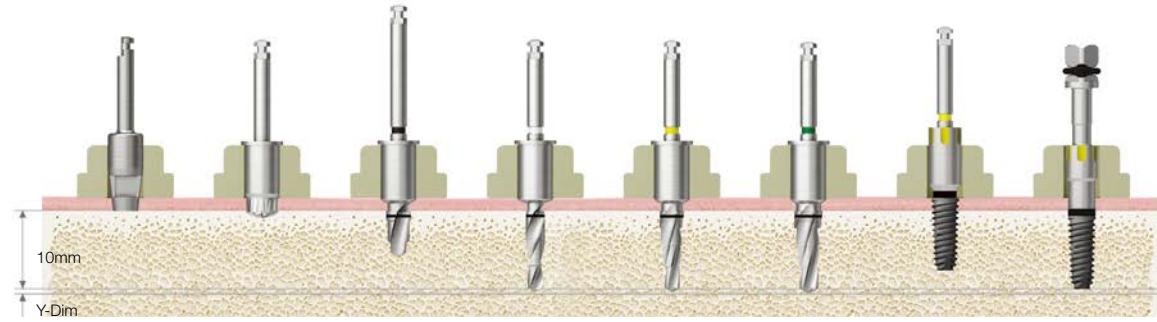


Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶		▶			
Hard	▶	(▶)	▶	▶		▶	▶		

Drilling Sequence OneGuide Drill

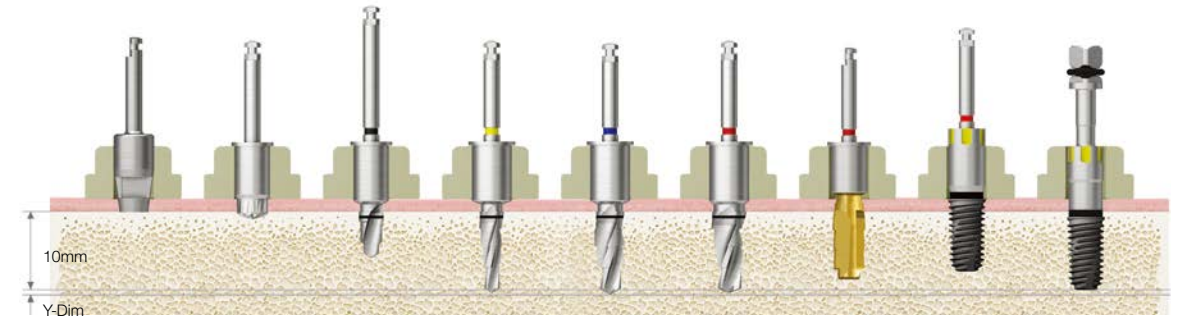
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

Ø3.5



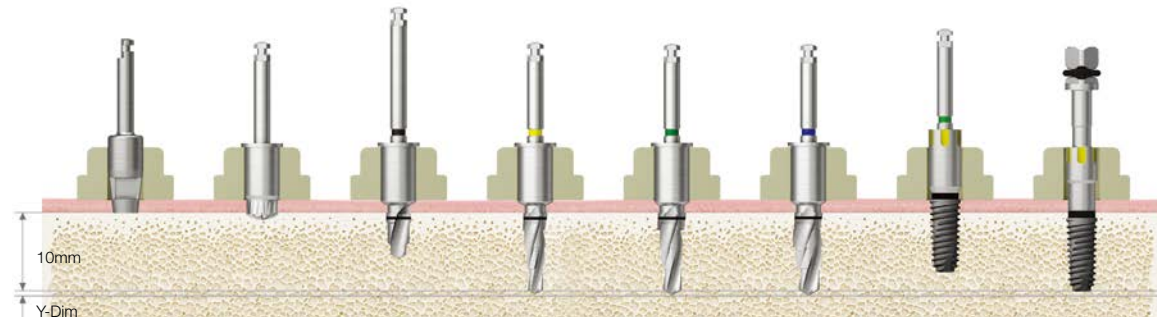
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (Ø2.2)	Drill (F3.5)	Drill (F4.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	(F3.5 Soft) ▶	▶				
Normal	▶	(▶)	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶		▶	▶		

Ø5.0



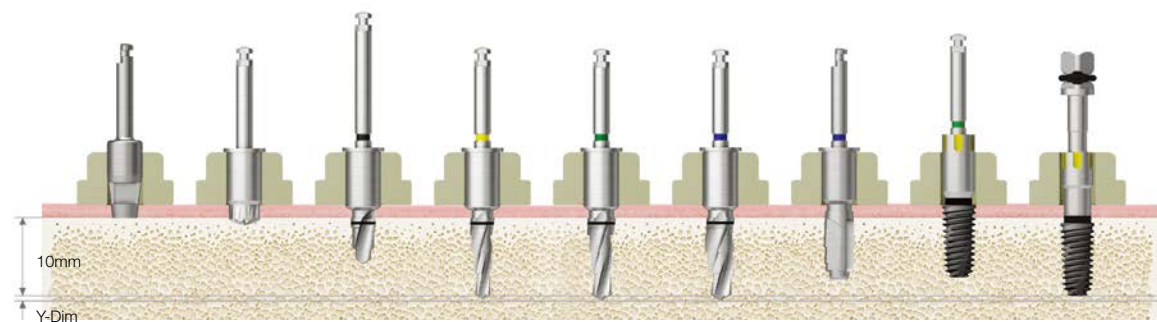
Bone Quality	Tissue Punch	Flattening Drill (W)	Initial Drill (W)	Drill (W) (F3.5)	Drill (W) (F4.5)	Drill (W) (F5.0)	Cortical (W) (F5.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶				
Normal	▶	(▶)	▶	▶			▶	Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶			▶		

Ø4.0



Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶				
Normal	▶	(▶)	▶	▶	▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶		▶		

Ø4.5



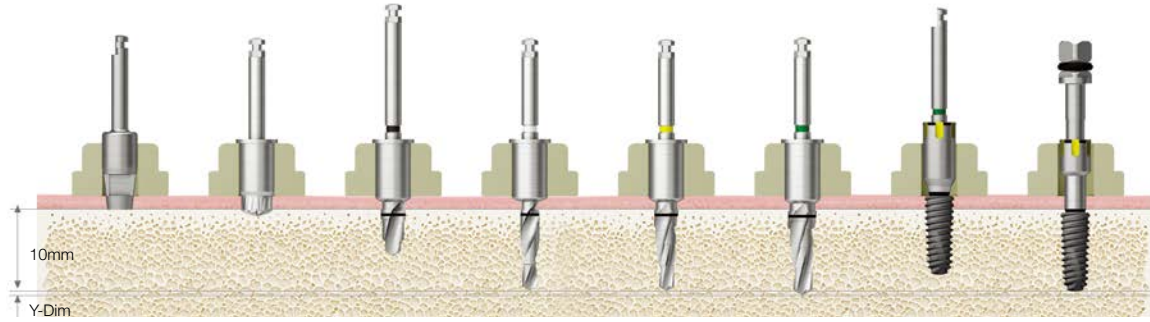
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶					
Normal	▶	(▶)	▶	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard	▶	(▶)	▶	▶		▶	▶		

Drilling Sequence OneGuide Drill

TSIII | SSIII | USIII | **KSIII**

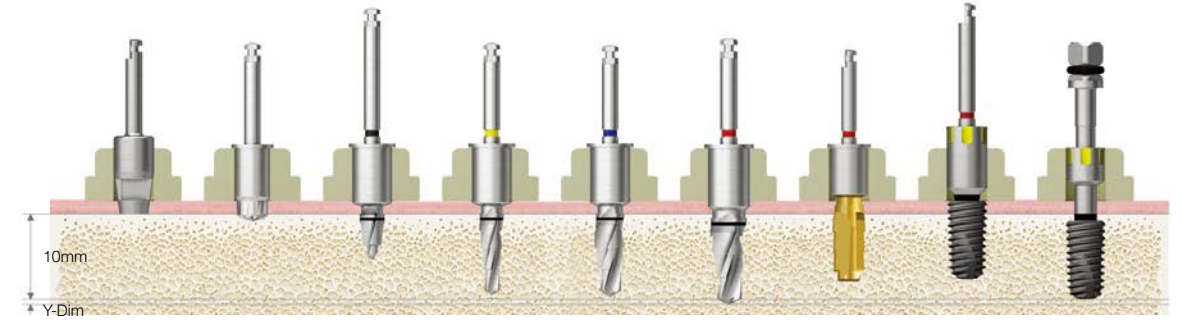
(Length : 10mm)

Ø3.5



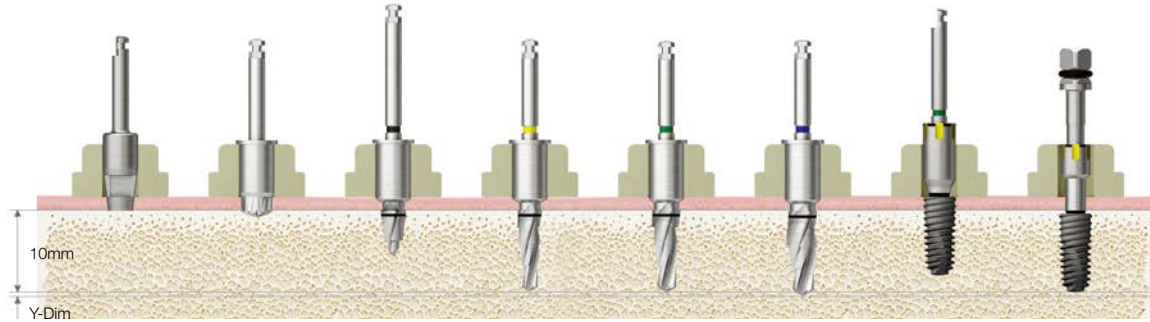
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (Ø2.2)	Drill (F3.5)	Drill (F4.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	(F3.5 Soft) ▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶		▶			
Hard	▶	(▶)	▶		▶	▶		

Ø5.0



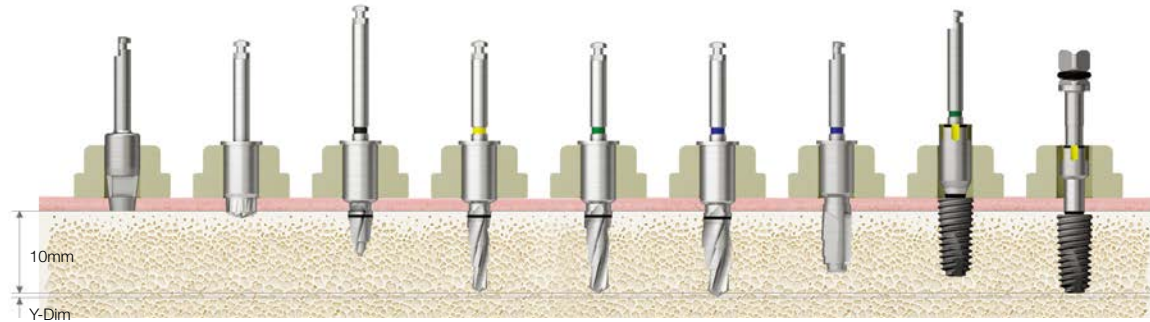
Bone Quality	Tissue Punch	Flattening Drill (W)	Initial Drill (W)	Drill (W) (F3.5)	Drill (W) (F4.5)	Drill (W) (F5.0)	Cortical (W) (F5.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶		▶			
Hard	▶	(▶)	▶	▶		▶	▶		

Ø4.0



Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶	▶			
Hard	▶	(▶)	▶	▶		▶		

Ø4.5



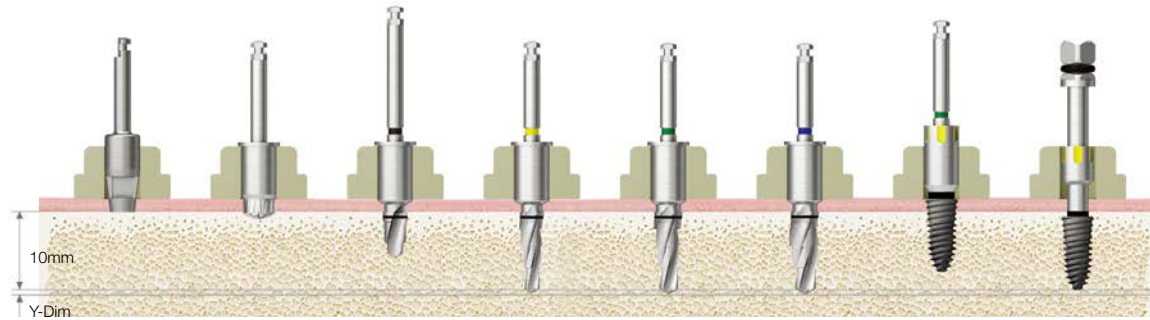
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶			Implant Placement (Up to 80%)	Implant Placement
Normal	▶	(▶)	▶	▶		▶			
Hard	▶	(▶)	▶	▶		▶	▶		

Drilling Sequence OneGuide Drill

TSIV

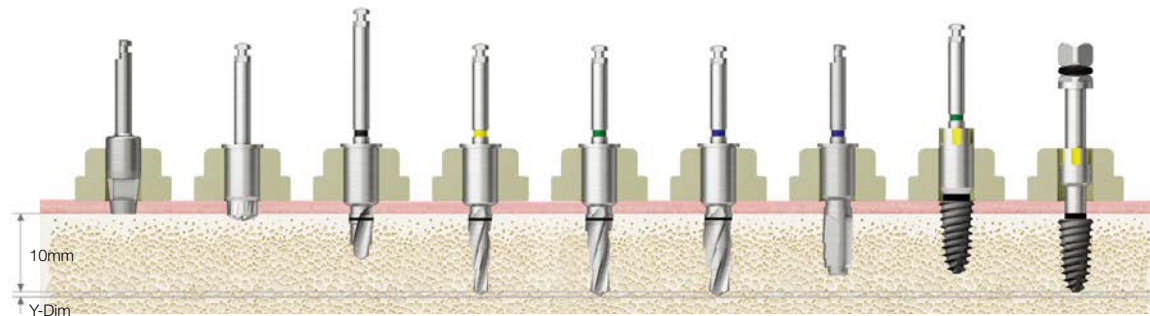
(Length : 10mm)

Ø4.0



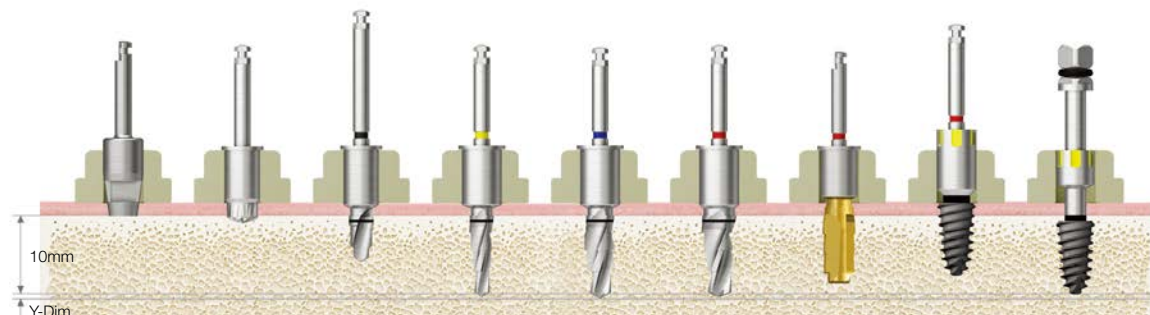
Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶				
Normal	▶	(▶)	▶	▶	▶		Implant Placement (Up to 80%)	Implant Placement
Hard								

Ø4.5



Bone Quality	Tissue Punch	Flattening Drill	Initial Drill	Drill (F3.5)	Drill (F4.0)	Drill (F4.5)	Cortical (F4.5)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶				
Normal	▶	(▶)	▶	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard									

Ø5.0

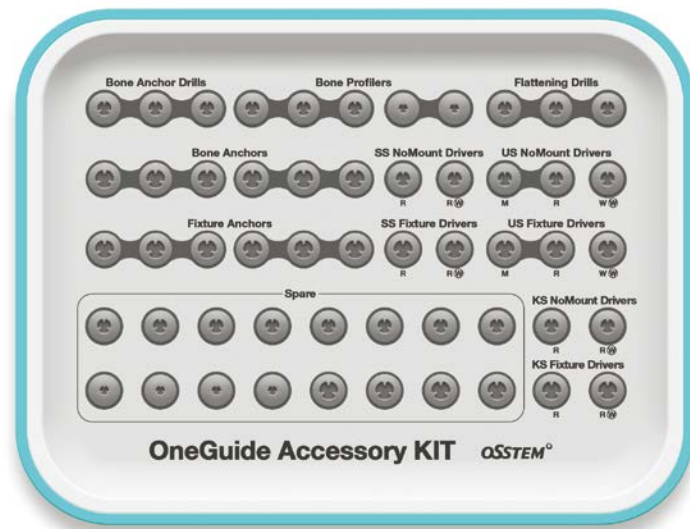


Bone Quality	Tissue Punch	Flattening Drill (W)	Initial Drill (W)	Drill (W) (F3.5)	Drill (W) (F4.5)	Drill (W) (F5.0)	Cortical (W) (F5.0)	Nomount Driver	Fixture Driver
Soft	▶	(▶)	▶	▶	▶				
Normal	▶	(▶)	▶	▶		▶		Implant Placement (Up to 80%)	Implant Placement
Hard									

OSSTEM[®]
IMPLANT

OneGuide Accessory KIT (OOGAK) NEW 2020

- KIT consisted of the tools selected by user
- Possible to accommodate the products not included in the OneGuide KIT by default such as OneGuide Bone/Fixture Anchor, and SS/US/KS Driver
- Spare holes deployed by rubber size (Large 4, Medium 8, Small 4) for user preferences

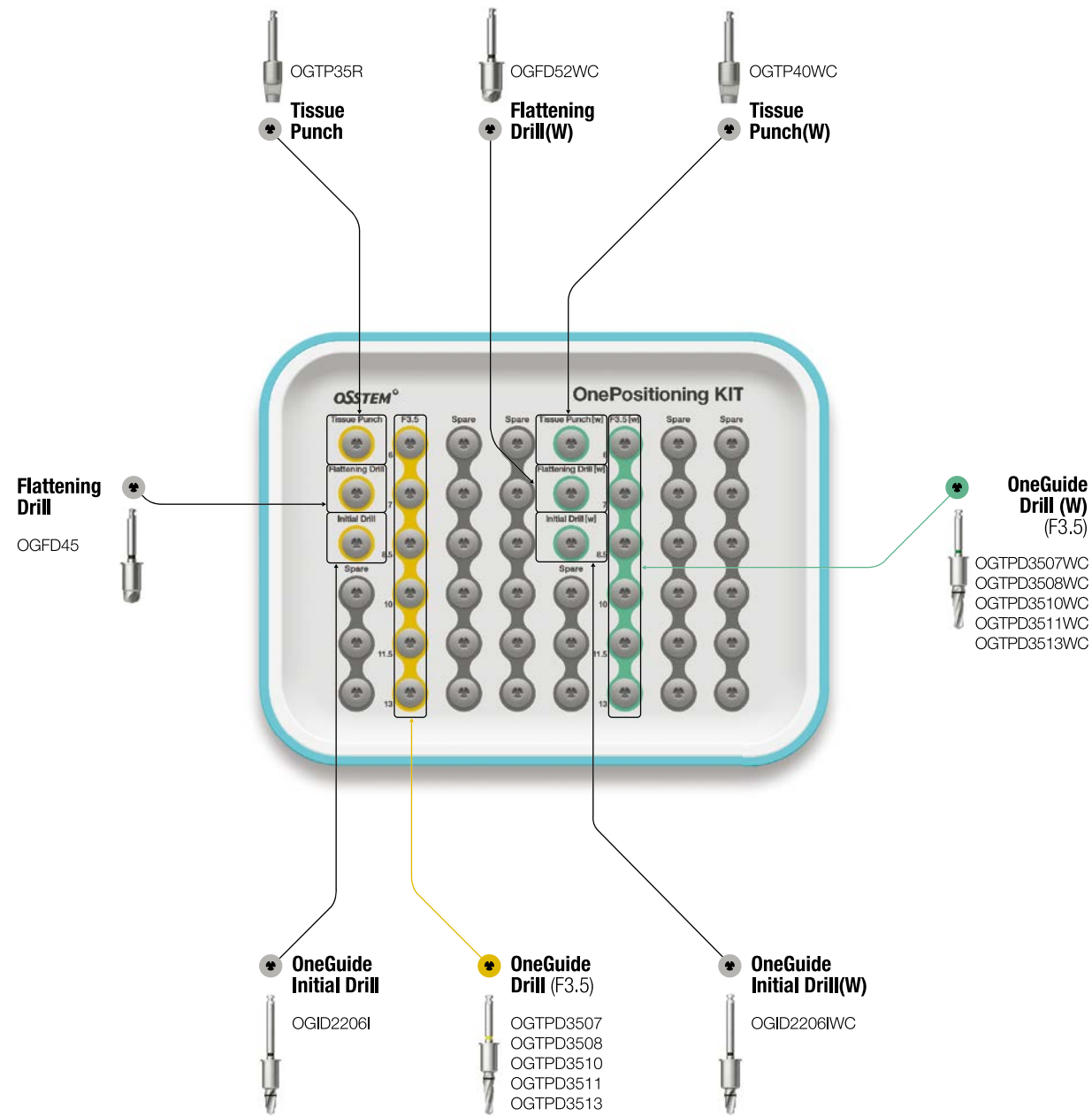


OSSTEM[®]
IMPLANT

OnePositioning KIT (OOPK) ²⁰¹⁹

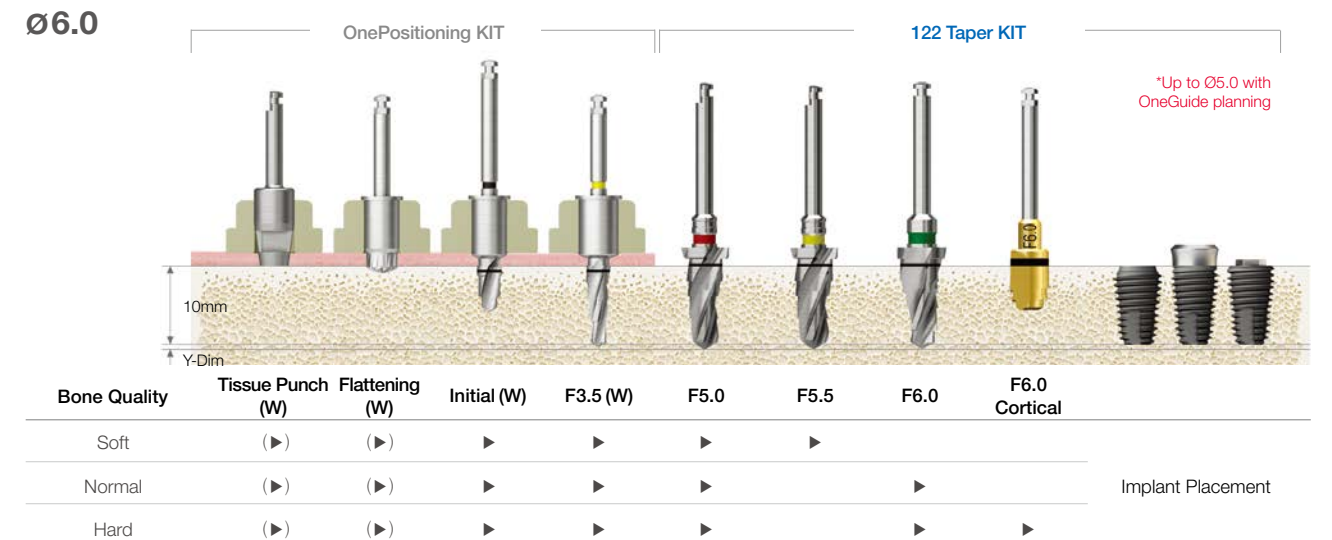
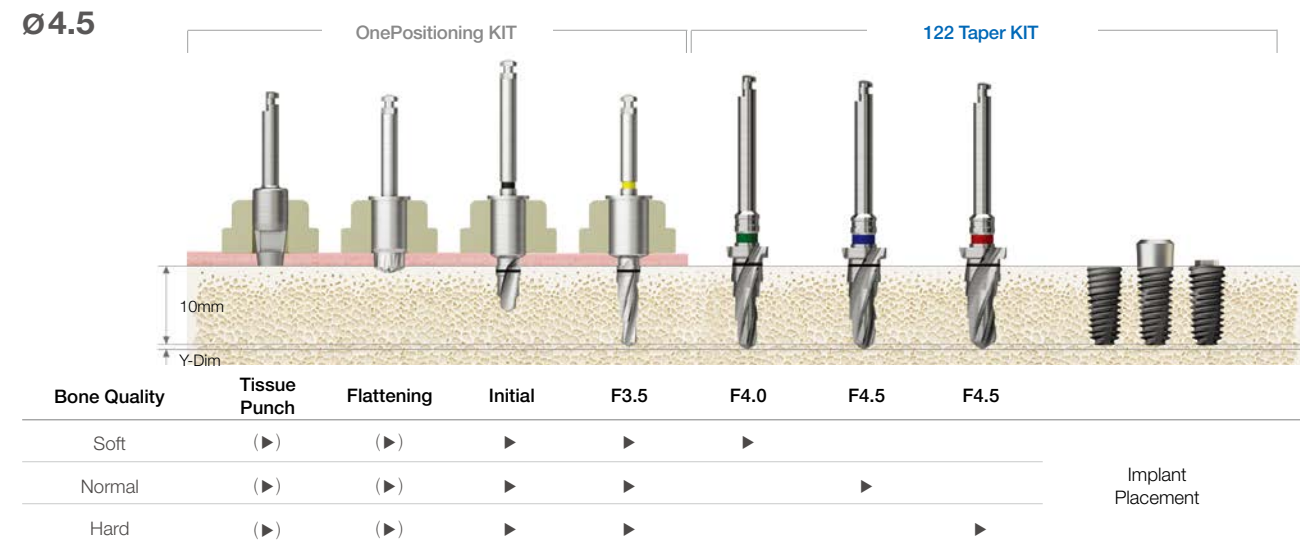
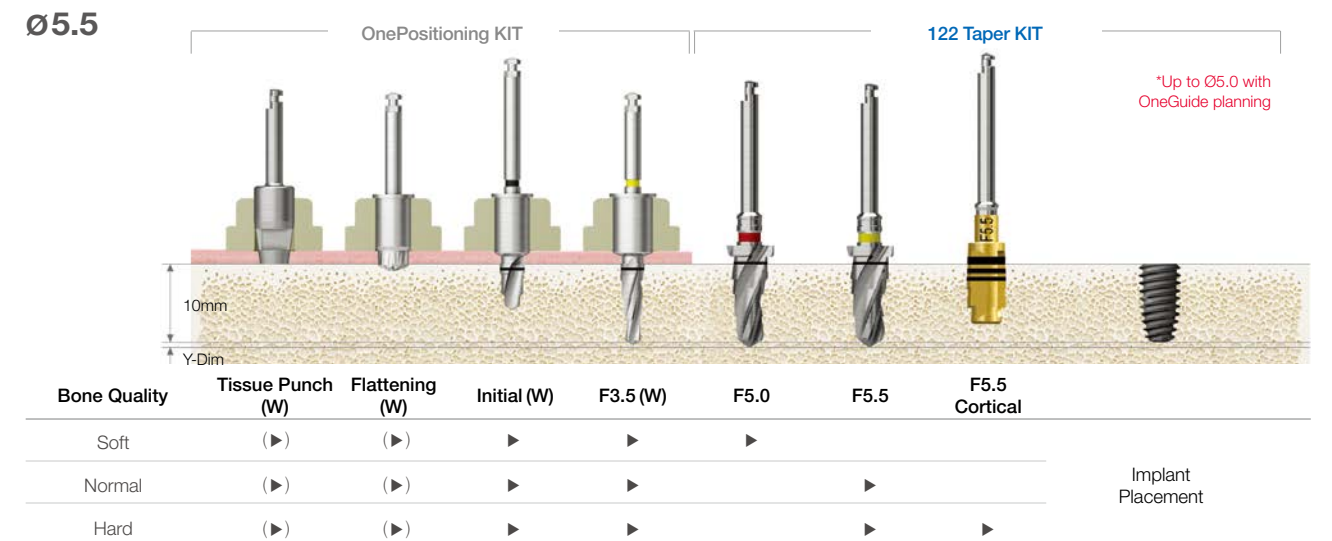
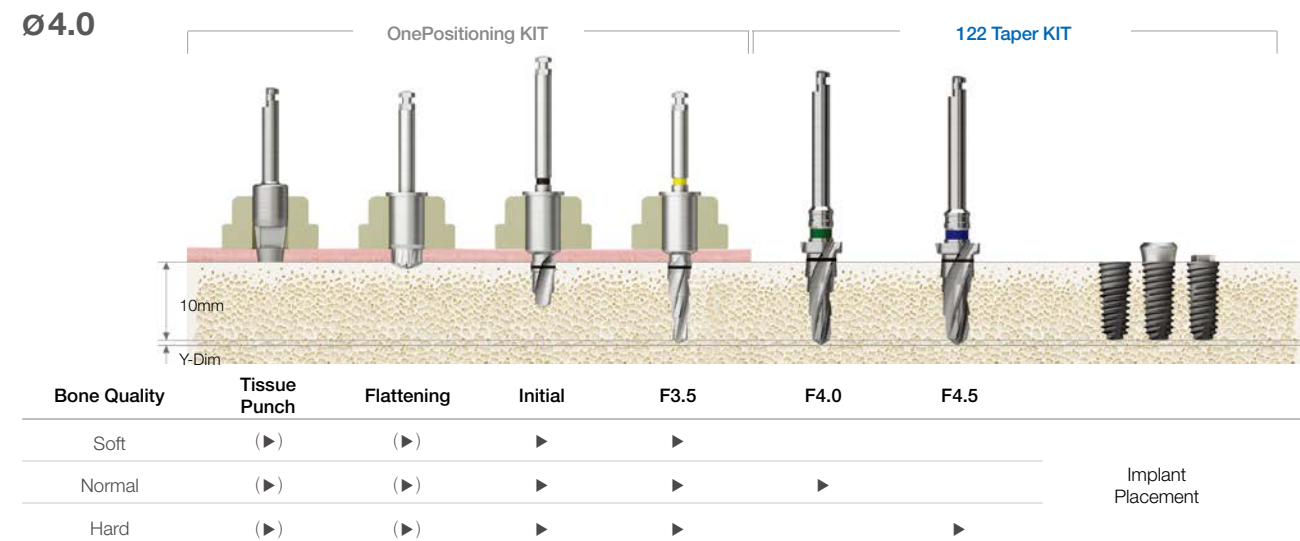
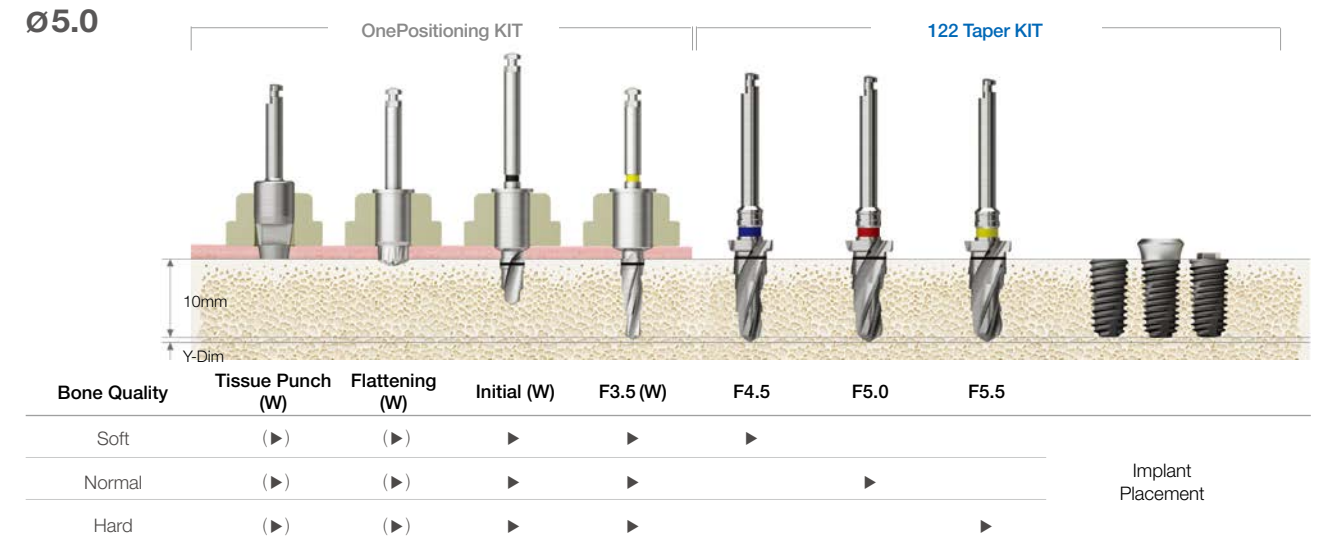
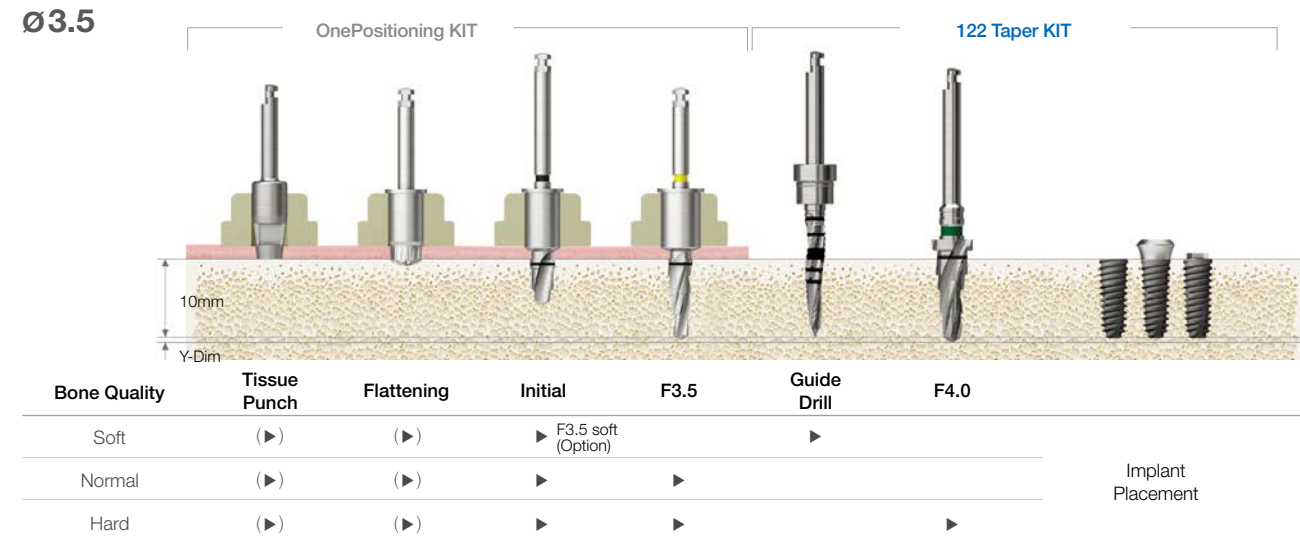
For **TSIII / IV** **SSIII** **USIII / IV** **KSIII** **III / IV Ultra-wide**

- Selecting the initial placement position, path and depth using OneGuide
- Removing OneGuide after F3.5 drilling and proceeding up to fixture placement through manual surgery



OSSTEM
IMPLANT

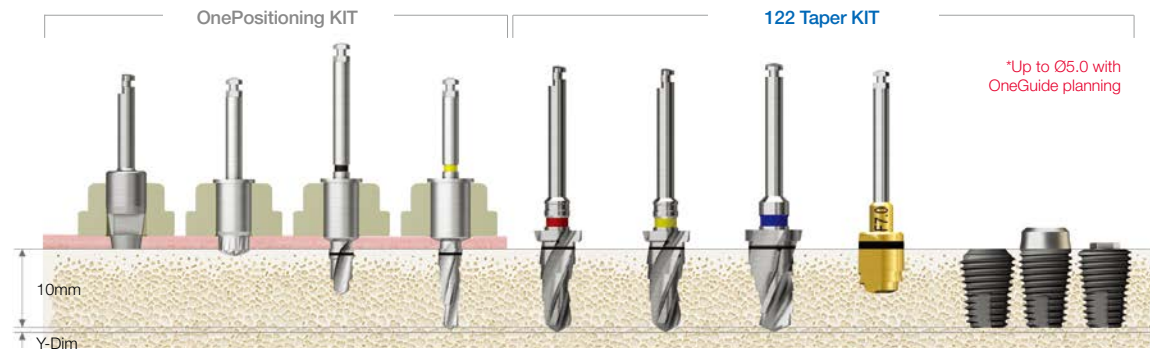
Drilling Sequence **OneGuide Drill + 122 Taper Drill**
TSIII/IV | SSIII | USIII/IV | KSIII | III/IV Ultra-wide
 (Length : 10mm)



Drilling Sequence **OneGuide Drill + 122 Taper Drill**

TSIII/IV | SSIII | USIII/IV | KSIII | III/IV Ultra-wide
 (Length : 10mm)

Ø7.0



Bone Density	Tissue Punch (W)	Flattening (W)	Initial (W)	F3.5 (W)	F5.0	F6.0	F7.0	F7.0 Cortical	
Soft	▶	▶	▶	▶	▶	▶			Implant Placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	



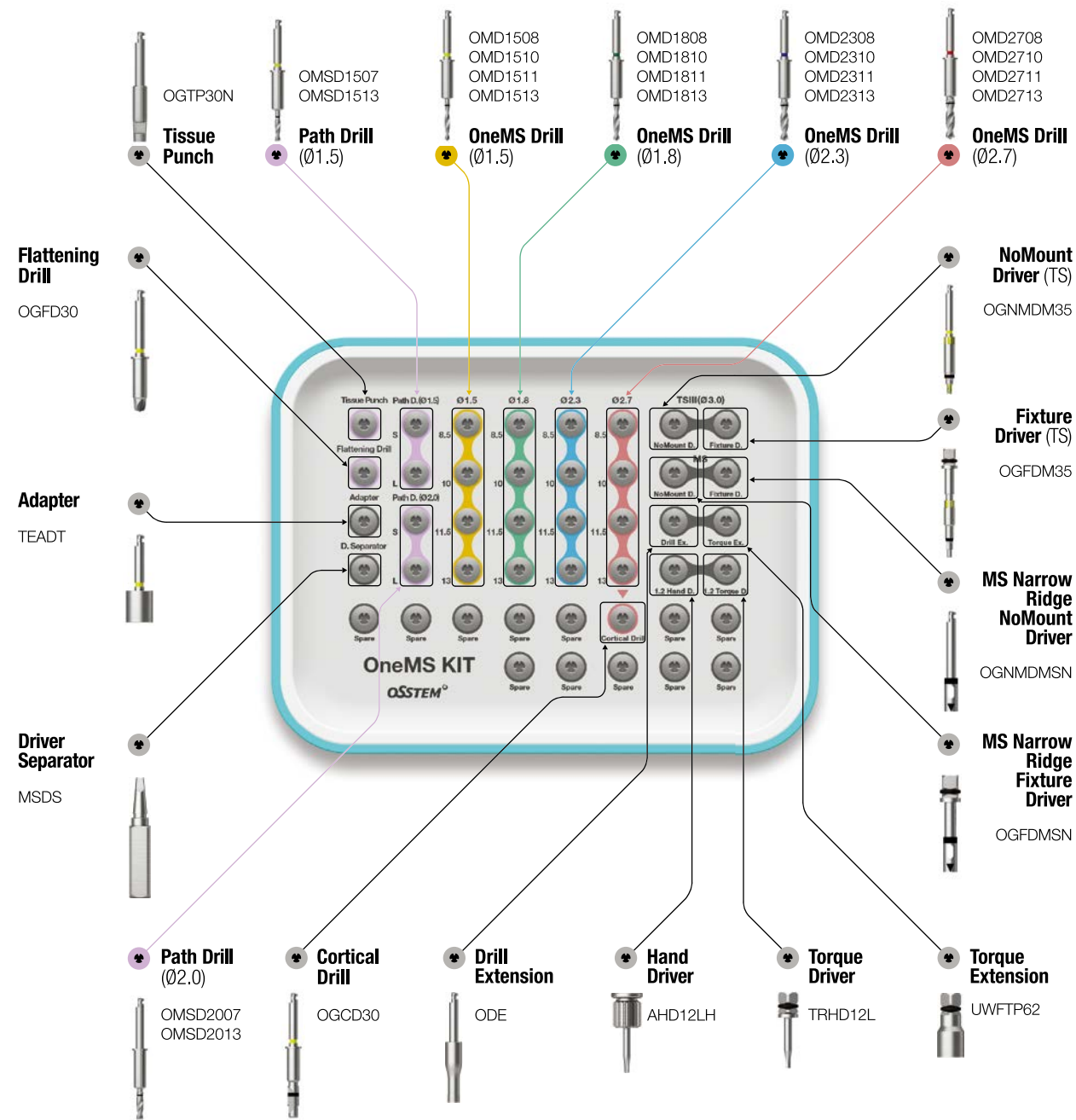
For **TSIII** **MS**
Ø3.0

Top panel components

Torque Wrench
TW30B



Depth Gauge
MSDG



OneGuide Template

- Sleeveless type : 2 types, open type and close type
 - Open type can be used in posterior region with limited opening
- Metal sleeve type : 1 close type
 - Placed to the OneGuide hole for use
 - Option available upon ordering the surgical guide
- 1 guide hole type for narrow fixture diameter
 - Narrow hole (Ø3.6) : MS narrow Ø2.0 / 2.5 / 3.0, TSIII Ø3.0
- Double contact function for excellent positioning accuracy
 - Drill for double contact with drilling hole and OneGuide
- Simple drilling sequence by using conventional drilling sequence
- Packing unit : surgical guide
 - Option : temporary crown

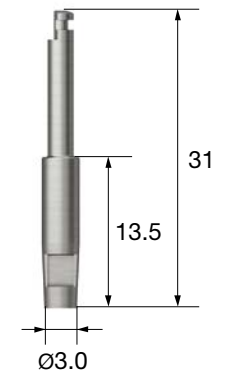


Tissue Punch RENEWAL 2020

- Used to remove gingiva in flapless surgery

Narrow Hole (Ø3.6)

OGTP30N

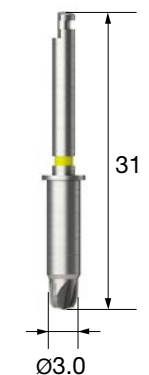


Flattening Drill

- Used for narrow or uneven ridges
- Many cutting edges enabling stable removal without bouncing

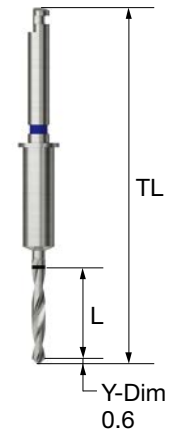
Narrow Hole (Ø3.6)

OGFD30



OneMS Drill

- Optimized Straight Drill for MS implant / TSIII Ø3.0 Fixture
(For placing MS Ø2.0–3.0, TSIII Ø3.0 Fixtures)
- OneMS Cortical Drill used for placing a TSIII Ø3.0 Fixture in hard bone
- Recommend using 8.5mm Drill within the same diameter for stable drilling
(Inducing the double contact feature)



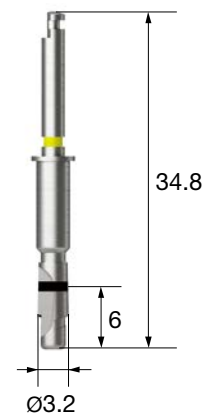
Narrow Hole (Ø3.6)

L	TL	Ø1.5	Ø1.8	Ø2.3	Ø2.7
8.5	37.5	OMD1508	OMD1808	OMD2308	OMD2708
10	39.0	OMD1510	OMD1810	OMD2310	OMD2710
11.5	40.5	OMD1511	OMD1811	OMD2311	OMD2711
13	42.0	OMD1513	OMD1813	OMD2313	OMD2713

OneMS Cortical Drill

- Drill used for removing cortical bone from hard bone
- Drill used for expanding the cortical bone after using the Straight Drill (for TSIII Ø3.0 Fixture only)

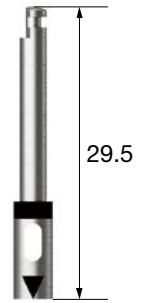
Narrow Hole (Ø3.6)
OGCD30



MS Narrow Ridge NoMount Driver

- Used for placing a MS implant Narrow Ridge
- Used by matching the triangular marking with the side of the implant

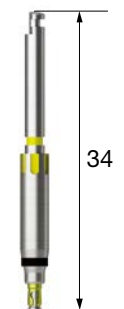
Narrow Hole (Ø3.6)
MS Narrow Ridge
Ø2.0 / Ø2.5 / Ø3.0
OGNMDMSN



NoMount Driver (TS)

- Used for placing a TSIII Ø3.0 NoMount Fixture
- It is recommended to insert up to 80% of the planned fixture placement depth
- C = Connection

Narrow Hole (Ø3.6)
Mini
TSIII Ø3.0
OGNMDM35



MS Narrow Ridge Fixture Driver

- Used by assembling to a wrench for adjusting the final placement depth of a MS implant Narrow Ridge
- Used by matching the triangular marking with the side of the implant
- Placing up to the lower marking line for G/H 4.0

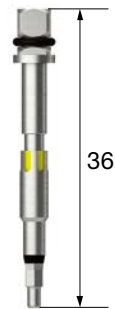
Narrow Hole (Ø3.6)
MS Narrow Ridge
Ø2.0 / Ø2.5 / Ø3.0
OGFDMSN



Fixture Driver (TS)

- Used by assembling to a wrench for adjusting the final placement depth of a TSIII Ø3.0 Fixture
- Yellow groove formed to align the abutment hex direction
- Checked by matching the groove of OneGuide with the groove of driver
- C = Connection

C	Narrow Hole (Ø3.6) Mini
TSIII Ø3.0	OGFDM35



Driver Separator

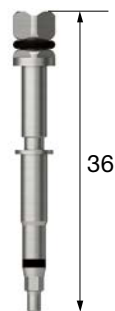
- When the driver is caught after MS Implant placement, insert the driver separator into the driver groove and remove it by using the lever principle



Fixture Driver (TS, Stopper Type) NEW 2020

- Featuring stopper design to prevent entry below the upper surface of OneGuide hole
- Sold separately
- C = Connection

C	Narrow Hole (Ø3.6) Mini
TSIII Ø3.0	OGFDSM35

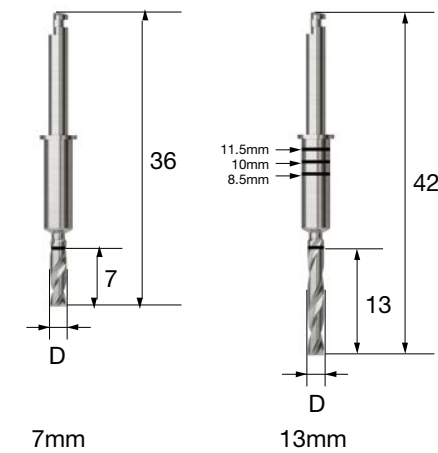


OneMS Path Drill 12.2018

- Drill to correct the path deviation during OneGuide surgery
- Drill to form fixture placement path for extraction case
- Flat blade design optimized for cutting inclined bones
- 2 types for each drill diameter, 4 types in total : Narrow hole (Ø3.6)
- 13mm type product adjusts depth according to the marking line (Top line 11.5mm, Midline 10mm, Bottom line 8.5mm)

Narrow Hole (Ø3.6)

L \ D	Ø1.5	Ø2.0
7.0	OMSD1507	OMSD2007
13.0	OMSD1513	OMSD2013



Adapter

- Driver enabling the driver for Torque Wrench to be used for engine

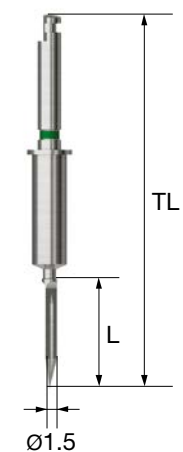


OneMS Lance Drill

- Forming a hole in bone to facilitate initial drilling
- Bone density can be checked through drilling
- Sold separately

Narrow Hole (Ø3.6)

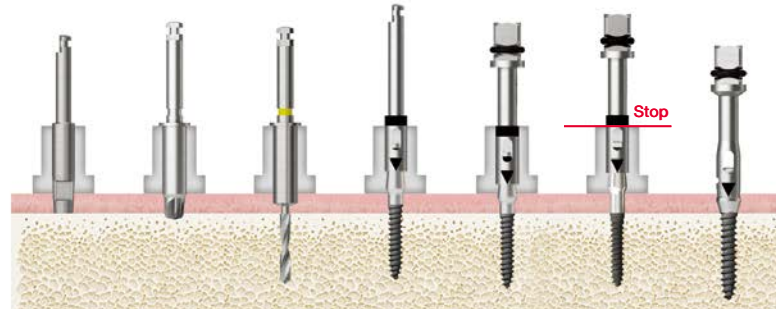
L \ TL	Ø1.5
8.5 37.5	OMLD1508
10 39.0	OMLD1510
11.5 40.5	OMLD1511
13 42.0	OMLD1513



Drilling Sequence OneMS Drill

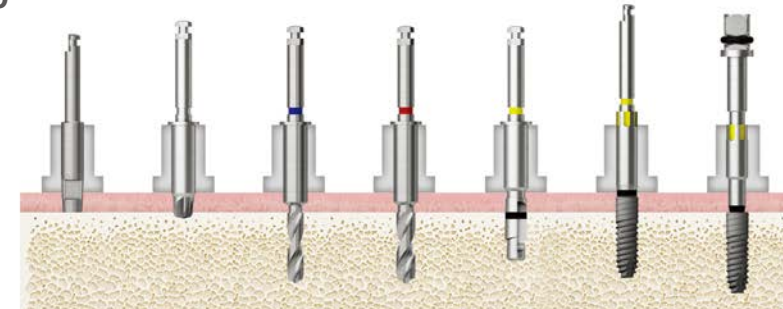
TSIII(Ø3.0) | MS
(Length : 10mm)

MS Ø2.0



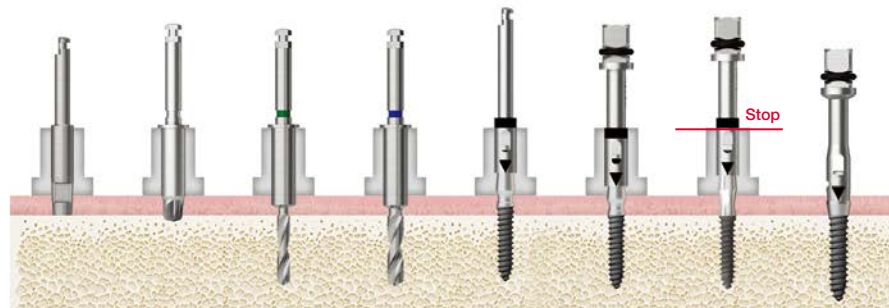
Bone Quality	Tissue Punch	Flattening Drill	OneMS Drill (Ø1.5)	NoMount Driver	Fixture Driver		
					G/H 2.5	G/H 4.0	Denture
Soft	▶	(▶)	▶	▶		▶	
Normal	▶	(▶)	▶	▶		▶	
Hard	▶	(▶)	▶	▶		▶	

TSIII Ø3.0



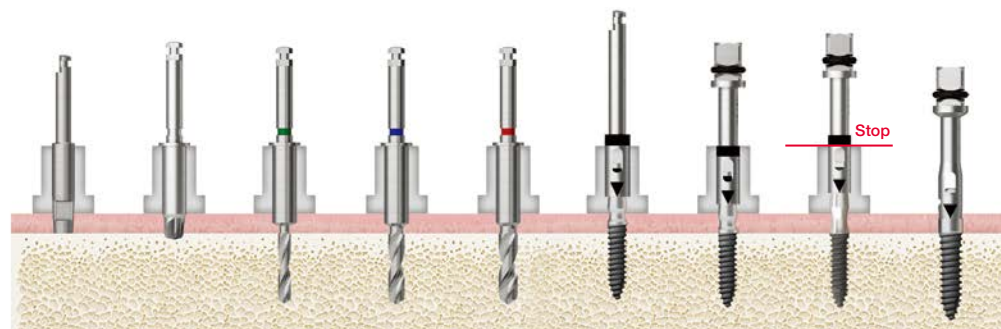
Bone Quality	Tissue Punch	Flattening Drill	OneMS Drill (Ø2.3)	OneMS Drill (Ø2.7)	F4.5 Cortical Drill	NoMount Driver	Fixture Driver
Normal	▶	(▶)	▶	▶		▶	▶
Hard	▶	(▶)	▶	▶	▶	▶	▶

MS Ø2.5



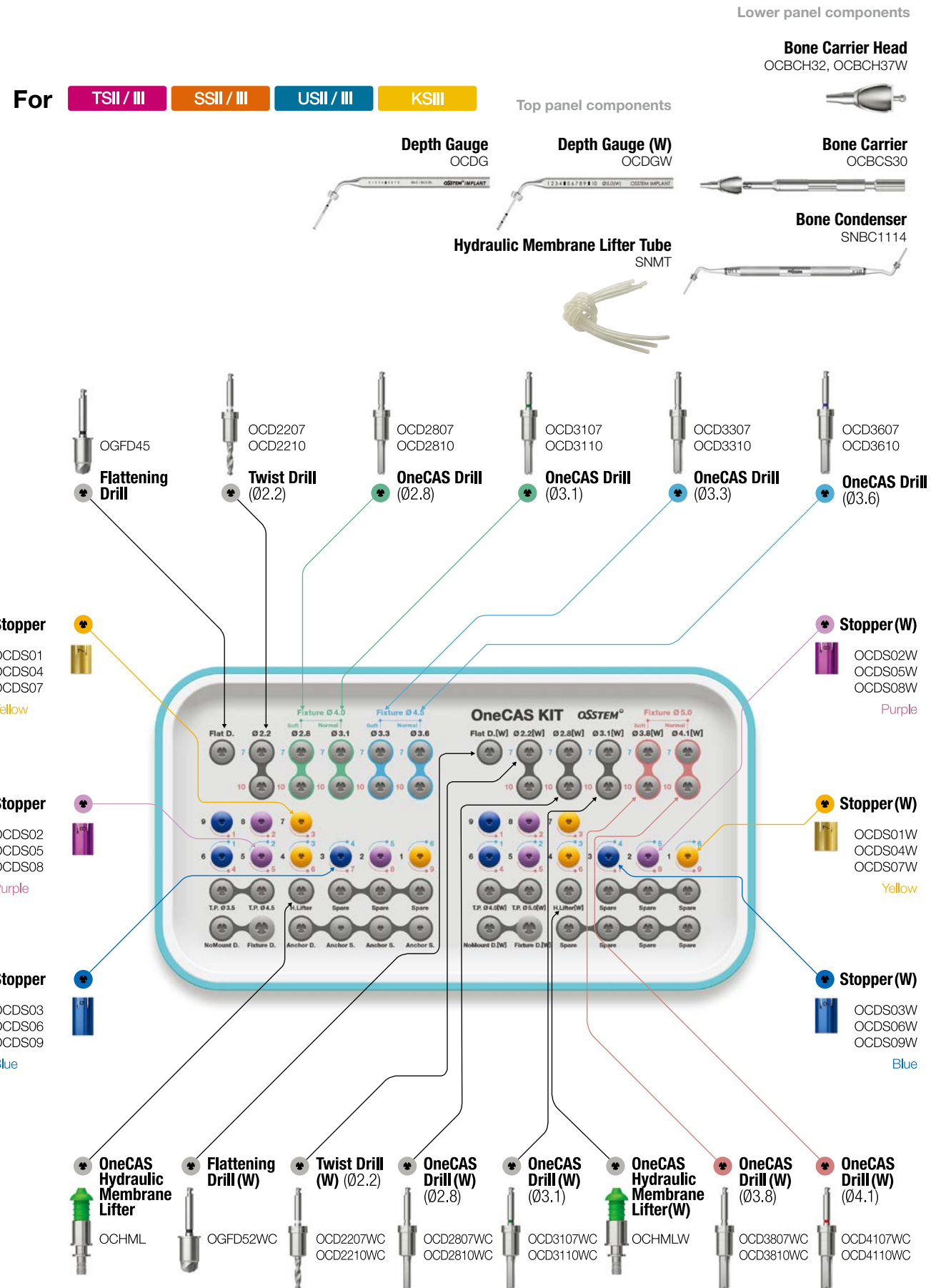
Bone Quality	Tissue Punch	Flattening Drill	OneMS Drill (Ø1.8)	OneMS Drill (Ø2.3)	NoMount Driver	Fixture Driver		
						G/H 2.5	G/H 4.0	Denture
Soft	▶	(▶)	▶	-	▶		▶	
Normal	▶	(▶)	▶	-	▶		▶	
Hard	▶	(▶)	-	▶	▶		▶	

MS Ø3.0



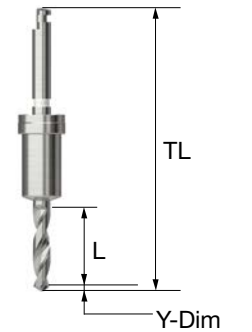
Bone Quality	Tissue Punch	Flattening Drill	OneMS Drill (Ø1.8)	OneMS Drill (Ø2.3)	OneMS Drill (Ø2.7)	NoMount Driver	Fixture Driver		
							G/H 2.5	G/H 4.0	Denture
Soft	▶		▶	-	-	▶		▶	
Normal	▶		▶	-	-	▶		▶	
Hard	▶		-	▶	▶	▶		▶	

In case of Fixture 10 / 11.5 / 13mm sequence, precede number of drilling with 8.5mm Drill for each step
Ex. Ø2.5x11.5mm MS Fixture
: Tissue Punch ▶ Flattening Drill ▶ Ø1.8x8.5mm ▶ Ø1.8x11.5mm ▶ NoMount Driver ▶ Fixture Driver



OneCAS Twist Drill (Ø2.2)

- Drilling 1mm under the depth to maxillary sinus floor
- Used with a stopper for safe lifting
- 1mm shorter than a normal Twist Drill



Regular Hole (Ø5.1)

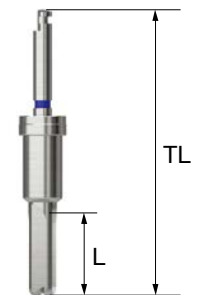
L	TL	Ø2.2
	Y-Dim	0.6
7	33.2	OCD2207
10	36.2	OCD2210

Wide Hole (Ø5.8)

L	TL	Ø2.2
	Y-Dim	0.6
7	33.2	OCD2207WC
10	36.2	OCD2210WC

OneCAS Drill

- Used with a guide of OneGuide system
- Safe lifting of the membrane for maxillary sinus procedure
- Used at low speed for autogenous bone collection
- Used with a stopper for safe lifting
- Final drill diameter selected based on the bone quality
- Recommended speed : 400-800rpm
- 4 type drills of Ø3.3 and Ø3.6 sold separately (OCD3307WC, OCD3310WC, OCD3607WC, OCD3610WC)



Regular Hole (Ø5.1)

L	TL	Ø2.8	Ø3.1	Ø3.3	Ø3.6
		7	33.6	OCD2807	OCD3107
10	36.6	OCD2810	OCD3110	OCD3310	OCD3610

Wide Hole (Ø5.8)

L	TL	Ø2.8 (W)	Ø3.1 (W)	Ø3.3 (W)	Ø3.6 (W)	Ø3.8 (W)	Ø4.1 (W)
		7	33.6	OCD2807WC	OCD3107WC	OCD3307WC	OCD3607WC
10	36.6	OCD2810WC	OCD3110WC	OCD3310WC	OCD3610WC	OCD3810WC	OCD4110WC

OneCAS KIT Surgical Instruments

OneCAS Stopper

- Number marking on the stopper indicates the stopping distance for drilling or tool assembly
- Check in the mid panel of the kit, protruding length marked in blue at connecting 7mm drill and protruding length marked in red at connecting 10mm drill
- Apply color coding by length
- Recommended use cycle : 50 times

Regular Hole (Ø5.1)



Wide Hole (Ø5.8)



Depth Gauge

- Checking the internal lifting of sinus
- Measuring residual bone depth
- Used with a stopper for safe lifting
- Marking line of the same depth as 10mm drill



Regular Hole (Ø5.1)

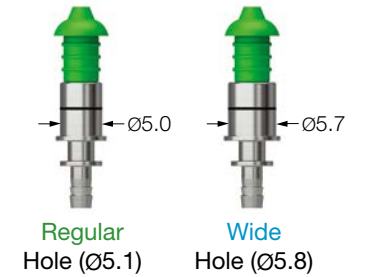
Wide Hole (Ø5.8)

OCDG

OCDGW

Hydraulic Membrane Lifter NEW 2020

- Dedicated maxillary sinus hydraulic lifting instrument for OneCAS KIT
- Hydraulic pressure is used to separate and lift the sinus membrane
- Used by placing the body until the marking line meets the upper surface of OneGuide hole
- Winged design with optimized sealing for flapless procedure



Regular Hole (Ø5.1)

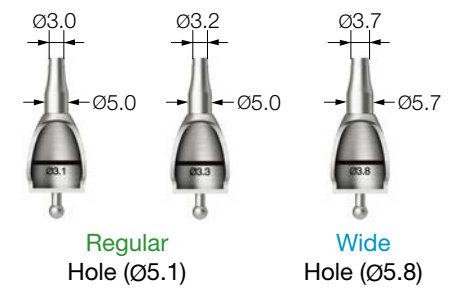
Wide Hole (Ø5.8)

OCHML

OCHMLW

Bone Carrier Head NEW 2020

- Dedicated maxillary sinus filling instrument for OneCAS KIT
- Used by placing into the OneGuide hole to the end
- OCBCH30 : Used after drilling with OneCAS Drill Ø3.1
- OCBCH32 : Used after drilling with OneCAS Drill Ø3.3/Ø3.6
- OCBCH37W : Used after drilling with OneCAS Drill Ø3.8/Ø4.1
- Used repeatedly by filling bone material in the back of the marking line of the head and taking little by little with a bone condenser to completely fill the inside of the maxillary sinus



Regular Hole (Ø5.1)

Wide Hole (Ø5.8)

OCBCH30

OCBCH32

OCBCH37W

Bone Carrier NEW 2020

- Dedicated maxillary sinus filling instrument for OneCAS KIT
- Mounting the head by fastening the handle in the back of the body
- Replaceable head for use



OCBCS30

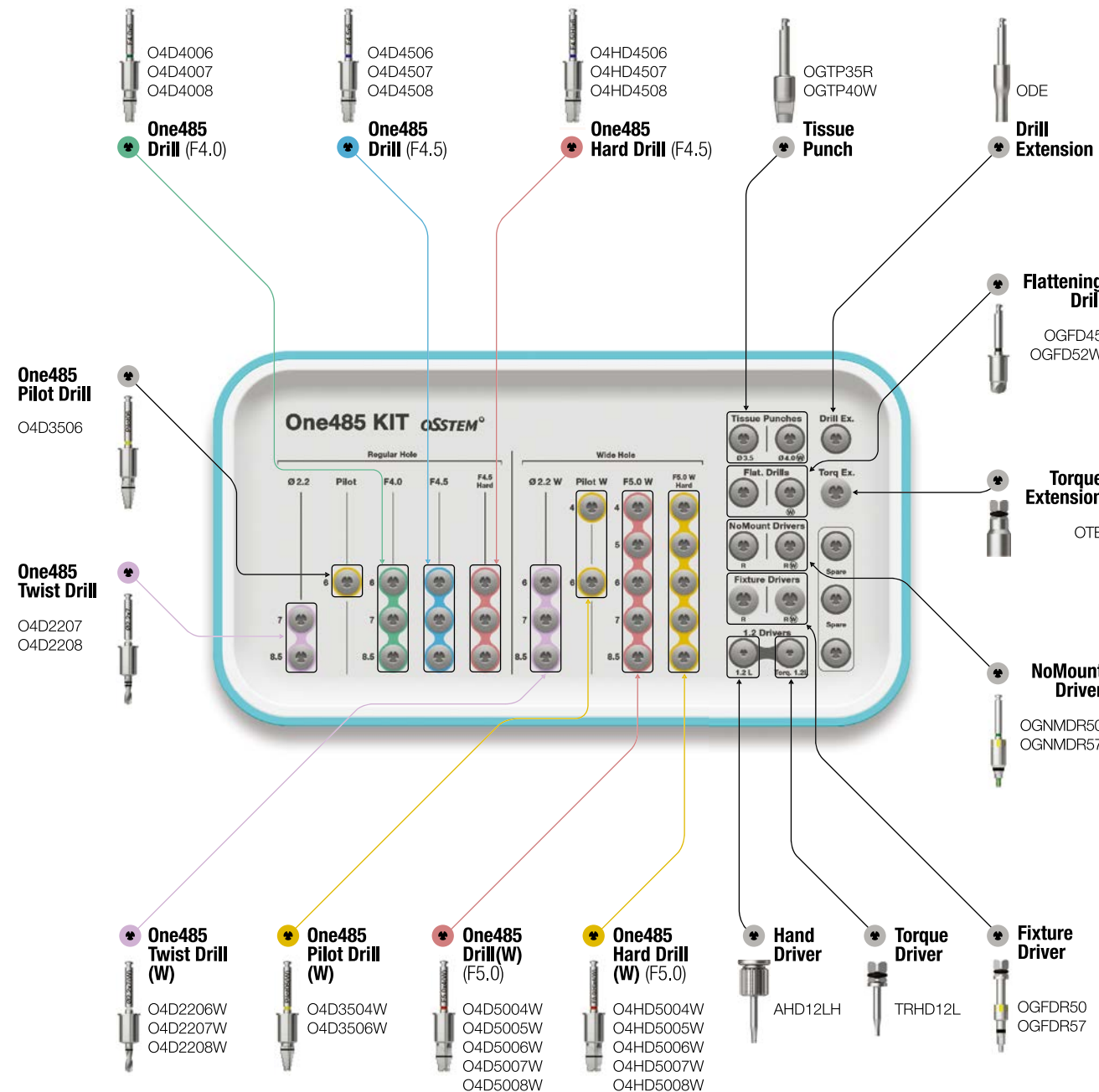
For **TSIII** **SSIII** **USIII** **KSIII**

Top panel components

Torque Wrench
TW30B

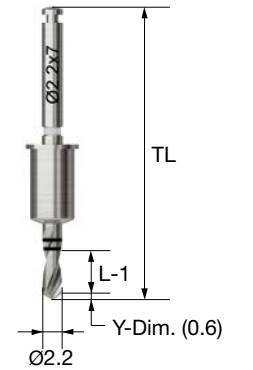


Depth Gauge
OSDG



One485 Twist Drill

- Initial Drill for determining the placement position and ensuring the guide depth for other drills
- Drilling with a straight blade up to -1mm of the fixture placement depth
- 5 types according to the OneGuide hole diameter
 - Regular hole (Ø5.1) / Wide hole (Ø5.8)
- F4.0/4.5 6mm (extra short implant) type are used 7mm drill
 - Bottom marking line : 6mm, Top line : 7mm
- F5.0 4mm, 5mm (extra short implant) type are used 6mm drill
 - Bottom marking line : 4mm, Midline : 5mm, Top line : 6mm
- Recommended speed : 800 or 1,200rpm



L	TL	Regular Hole (Ø5.1)	Wide Hole (Ø5.8)
		F4.0 / F4.5	F5.0
6.0	32.4	-	O4D2206W
7.0	33.2	O4D2207	O4D2207W
8.5	34.7	O4D2208	O4D2208W

One485 Pilot Drill

- Medium drill for expanding hole diameter
- Tip blade in the shape of 485 Drill, and the side blade in the shape of tapered drill
- 3 types according to the OneGuide hole diameter
 - Regular hole (Ø5.1) / Wide hole (Ø5.8)
- 4mm drill used for 4-5mm Fixtures, and 6mm drill used for 6-8.5mm Fixtures
- Recommended speed : 800 or 1,200rpm



L	TL	Regular Hole (Ø5.1)	TL	Wide Hole (Ø5.8)
		F4.5		F5.0W
4.0	-	-	33.1	O4D3504W
6.0	33.9	O4D3506	32.9	O4D3506W

One485 KIT Surgical Instruments

One485 Drill

- Final drill for final expansion and placement torque optimization
- Tip blade in the shape of 485 Drill, and the side blade in the shape of tapered drill
- 19 types according to the OneGuide hole diameter
 - Regular hole (Ø5.1) / Wide hole (Ø5.8)
- F4.5 and F5.0 hard drill used for placing F4.5 and F5.0 Fixtures in hard bone
- Recommended speed : 800 or 1,200rpm



Regular Hole (Ø5.1)

L \ TL	F4.0	F4.5	F4.5 Hard
6.0 33.9	O4D4006	O4D4506	O4HD4506
7.0 33.9	O4D4007	O4D4507	O4HD4507
8.5 35.4	O4D4008	O4D4508	O4HD4508

Wide Hole (Ø5.8)

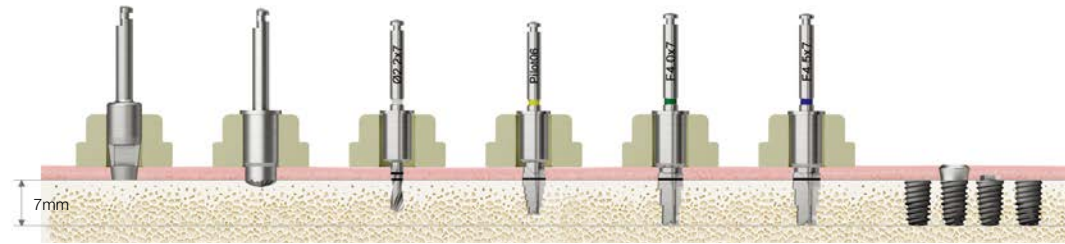
L \ TL	F5.0 (W)	F5.0 (W) Hard
4.0 33.1	O4D5004W	O4HD5004W
5.0 33.1	O4D5005W	O4HD5005W
6.0 32.9	O4D5006W	O4HD5006W
7.0 33.9	O4D5007W	O4HD5007W
8.5 35.4	O4D5008W	O4HD5008W

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Drilling Sequence One485 Drill

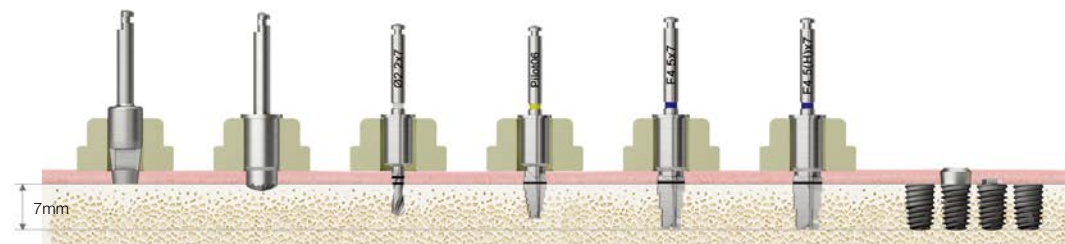
TSIII | SSIII | USIII | KSIII
(Length : 7mm)

Ø4.0



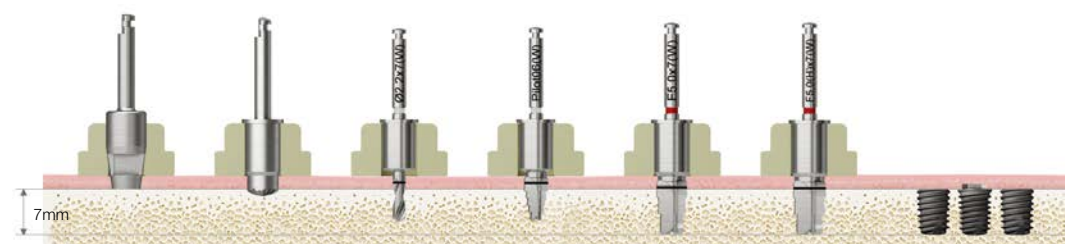
Bone Quality	Tissue Punch	Flattening Drill	Twist Drill	Pilot Drill	Drill (F4.0)	Drill (F4.5)	Fixture
Normal	▶	(▶)	▶	▶	▶		Implant Placement
Hard	▶	(▶)	▶	▶		▶	

Ø4.5



Bone Quality	Tissue Punch	Flattening Drill	Twist Drill	Pilot Drill	Drill (F4.5)	Hard Drill (F4.5)	Fixture
Normal	▶	(▶)	▶	▶	▶		Implant Placement
Hard	▶	(▶)	▶	▶		▶	

Ø5.0

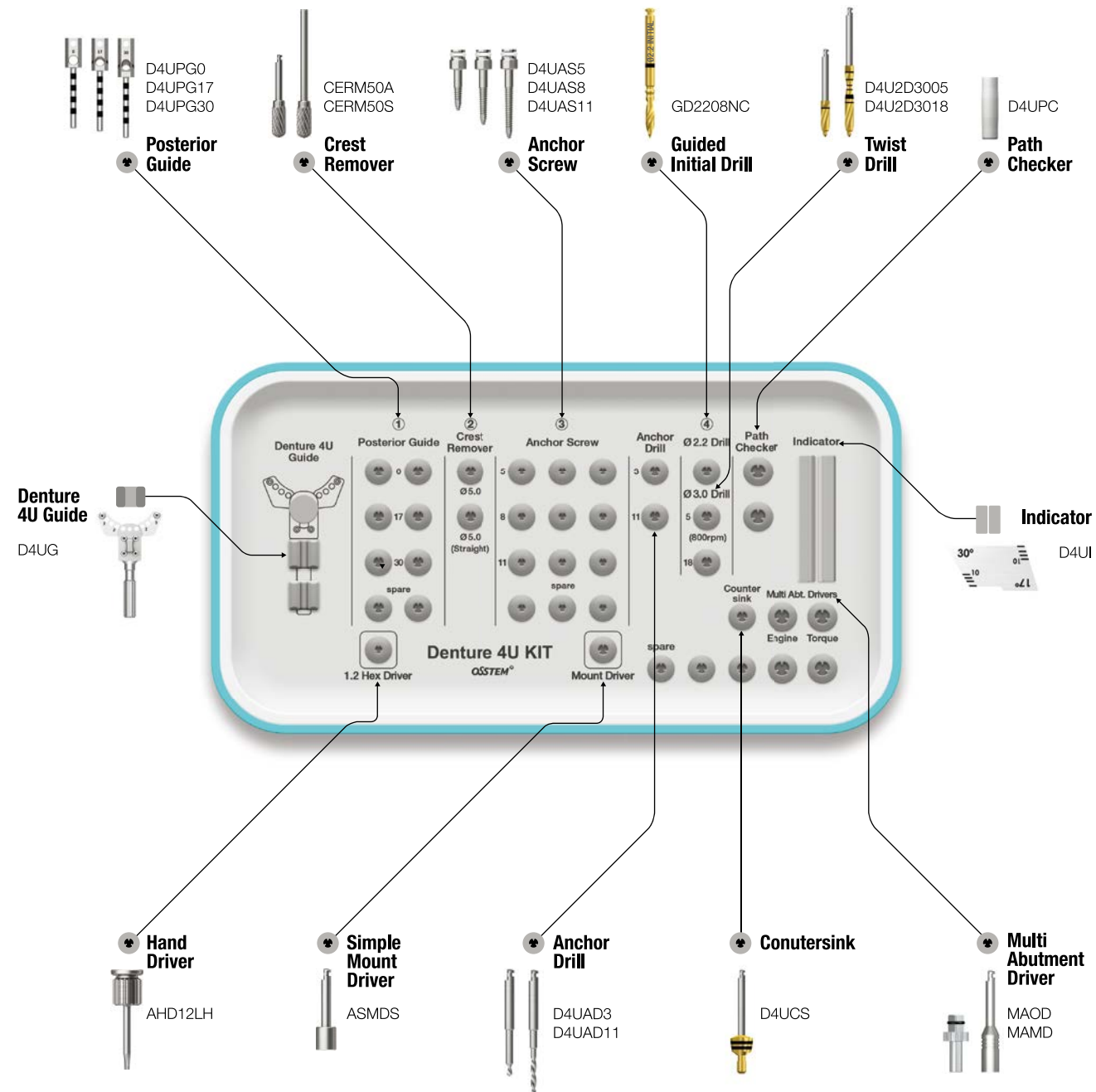


Bone Quality	Tissue Punch (W)	Flattening Drill (W)	Twist Drill (W)	Pilot Drill (W)	Drill (W) (F5.0)	Hard Drill (W) (F5.0)	Fixture
Normal	▶	(▶)	▶	▶	▶		Implant Placement
Hard	▶	(▶)	▶	▶		▶	

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Denture 4U KIT (OD4UK) NEW 2020

For **TSII / III** **USII / III**



Denture 4U KIT Surgical Instruments

Denture 4U Guide

- Guide for stable and accurate initial and intermediate drilling for Denture 4U procedure
- Anterior guide : drilling positioning for $\varnothing 2.2$ in anterior region (tooth number 2 and 3 positions marked)
- Posterior guide : drilling positioning for $\varnothing 3.0$ drill in posterior region
 - ※ Used by assembling with the posterior guide of desired angle
- Removable Denture 4U Guide handle



D4UG

Posterior Guide

- Used by assembling the anterior guide prior to procedure
 - ※ Assembled with the angle marking side shown
- Adjusting the fixture placement position in posterior region and buccolingual inclination angle
- Selecting the angle of the posterior guide through CT scan recommended prior to procedure
 - ※ Replaceable during procedure
- Drilling by slowly entering the guide hole, referring to the marking line on the side of the posterior guide hole
- Drilling depth adjusted by drilling to the bottom marking line in the mesial direction
- Marking line spacing on the rod : 2mm



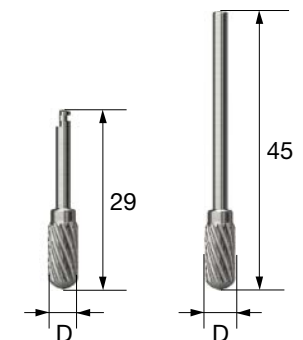
Degree	0°	17°	30°
	D4UPG0	D4UPG17	D4UPG30



Marking Bottom Line, Check Mesial Direction

Crest Remover

- Used for bone flattening for Denture 4U Guide procedure
- Marking the fixture placement position after removing narrowed ridge
- Recommended speed
 - Angled type : 1,200~1,500rpm
 - Straight type : 15,000~30,000rpm



L	D	$\varnothing 5.0$
29		CERM50A
45		CERM50S

Denture 4U KIT Surgical Instruments

Anchor Screw

- Used to fix the bone in place by connecting it to the fixed center hole of the Denture 4U Guide and the fixed hole of the posterior guide
- Fixing the Anchor Screw with the Mount Driver; if the Anchor Screw is not fixed well at this time, it should be drilled first using an Anchor Drill
 - ※ Anchor drill used first for normal/hard bone
- Selecting an Anchor Screw of appropriate length according to the degree of posterior bone retraction
- Engine stop to prevent Anchor Screw from spinning with no traction when in contact with the guide

L \ D	Ø1.65
5	D4UAS5
8	D4UAS8
11	D4UAS11



Anchor Drill

- Used to form a hole in normal/hard bone prior to tightening an Anchor Screw
- Drilling with 3mm drill prior to additional drilling with 11mm drill recommended

L \ D	Ø1.65
3	D4UAD3
11	D4UAD11



Guided Initial Drill

- Used for drilling in anterior region : Ø2.2 drilling into the anterior guide hole of the Denture 4U Guide
- Drilling by selecting a desired drilling hole of the anterior guide
- Recommended speed : 800rpm

L \ D	Ø2.2
5	GD2208NC



Twist Drill

- Drilling by slowly entering the guide hole, with the angle matched as much as possible, referring to the marking line on the side of the posterior guide hole
- Drilling depth adjusted by drilling to the bottom marking line in the mesial direction
- Marking line spacing on the rod : 2mm
- Recommended speed : 800rpm

L \ D	Ø3.0
5	D4U2D3005
18	D4U2D3018



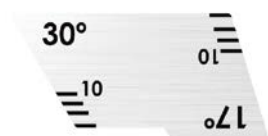
Countersink

- Drill for using the Taper Drill after removing the Denture 4U Guide
 - ※ For removing bone interference from the stopper of the Taper Drill
- Removing bone interference upon mounting a Multi Angled Abutment



Indicator

- Checking the location of the mental foramen, and the placement direction and length of the fixture beforehand for stable procedure
 - ※ For checking the location of the mental foramen by opening a flap completely



Path Checker

- Checking the location of the mental foramen by predicting the extended line of the path checker through panoramic or CT scan
 - ※ For checking the location of the mental foramen without opening a flap completely



Denture 4U KIT Surgical Instruments

Simple Mount Driver

- Used for placing an Anchor Screw to stably fix the Denture 4U Guide in place

L
Short ASMDS



Multi Abutment Machine Driver

- Dedicated Machine Driver for a Multi Abutment

MAMD



Multi Abutment Outer Driver

- Dedicated Torque Driver for a Multi Abutment

MAOD



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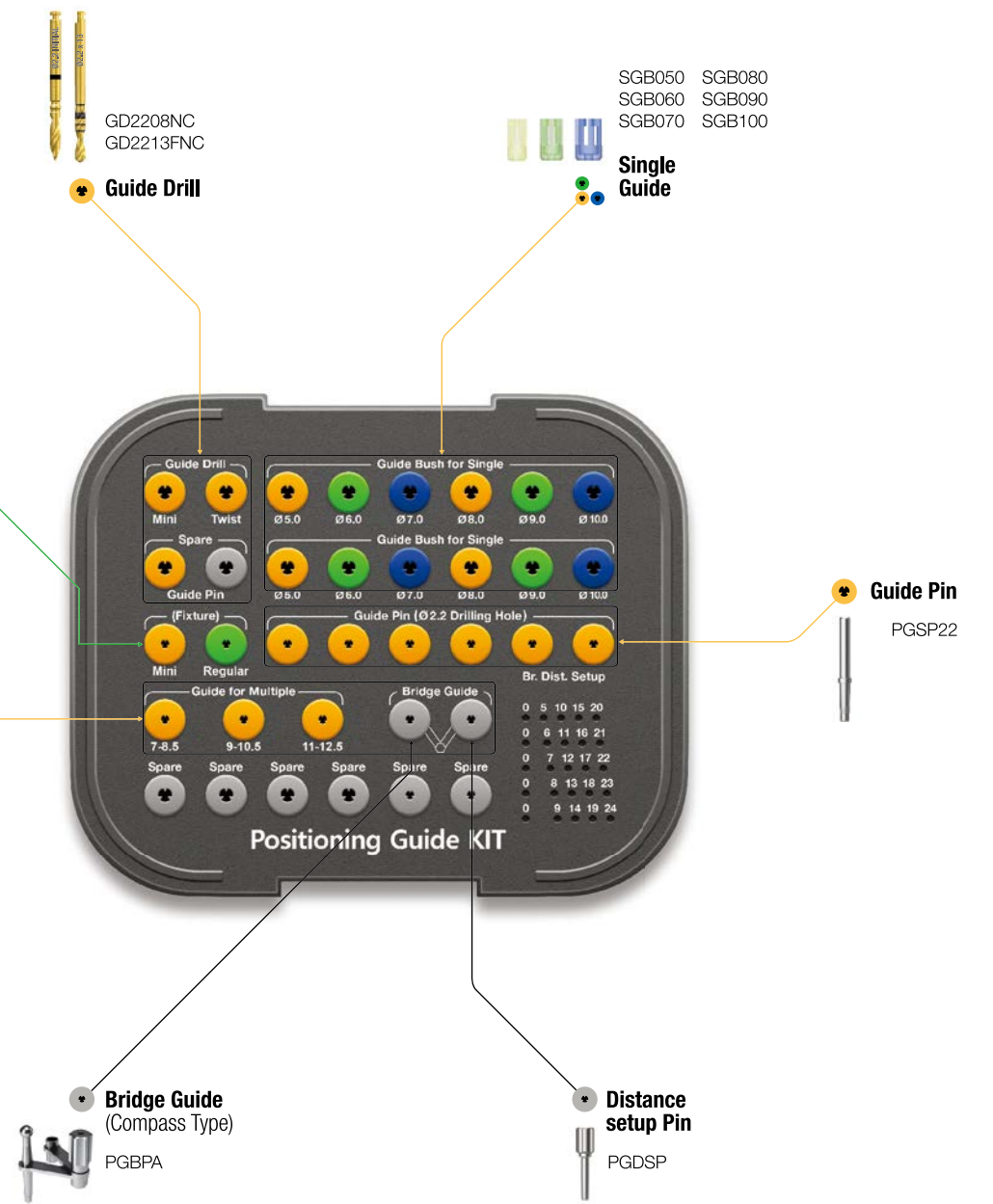
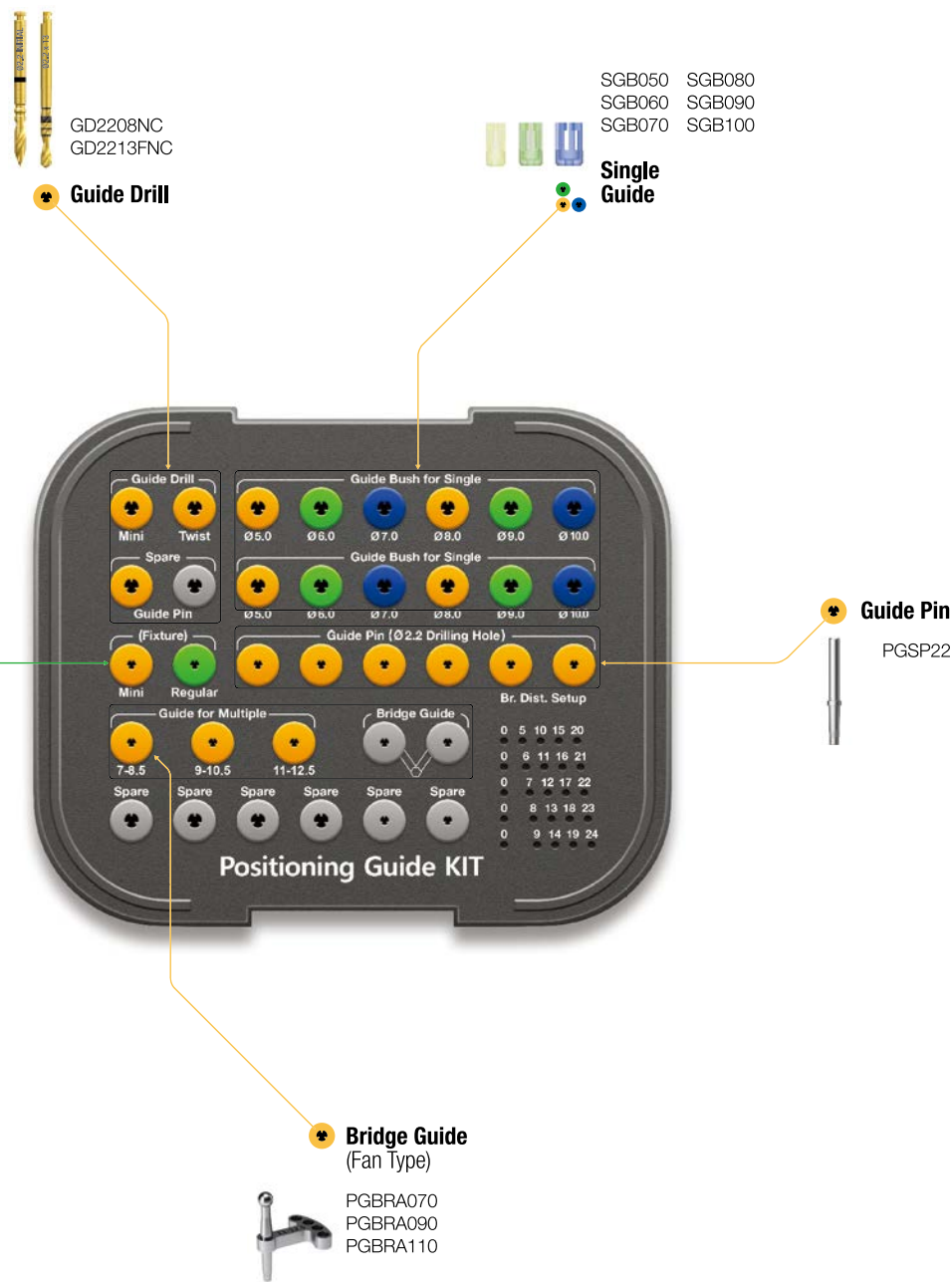
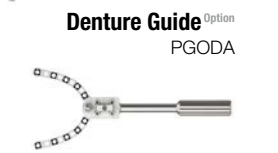
Positioning Guide KIT (OPGPK) 07.2015



Positioning Guide Full KIT (OPGAK) 07.2015



Lower panel components

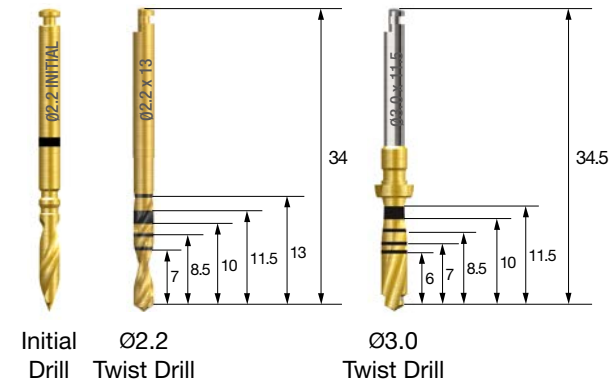


Positioning Guide KIT Surgical Instruments

Guide Drill ^{07.2015}

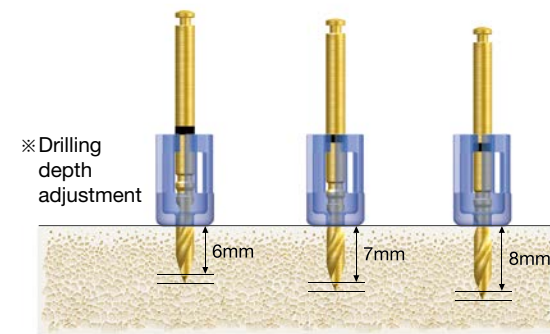
- Initial Drill : For initial drilling, assembled to the single guide to adjust the drilling depth
- Ø2.2 Twist Drill : Used with the bridge guide for initial drilling
- Ø3.0 Twist Drill : For subsequent drilling of Ø2.2 Twist Drill, drilling path guide

D	Ø2.2	Ø3.0
Initial Drill	GD2208NC	-
Twist Drill	GD2213FNC	2D3011LC01



Single Guide ^{07.2015}

- Transparent material applied to facilitate the viewing of the position and direction for drilling
- 6 types considering mesio-distal crown diameters (Ø5.0~10.0)
- Packing unit : 2ea
- ※ Drilling depth adjusted to 6, 7 or 8mm using the marking line of the Initial Drill, based on the top line of the single guide
- ※ Disposable, Do not reuse



F5.0	F6.0	F7.0	F8.0	F9.0	F10.0
SGB050	SGB060	SGB070	SGB080	SGB090	SGB100

Guide Pin (Fixture) ^{07.2015}

- Pin for checking the path and fixing the single guide in place after placing a fixture
- C = Connection

	Mini	Regular
	PGSPM	PGSPR



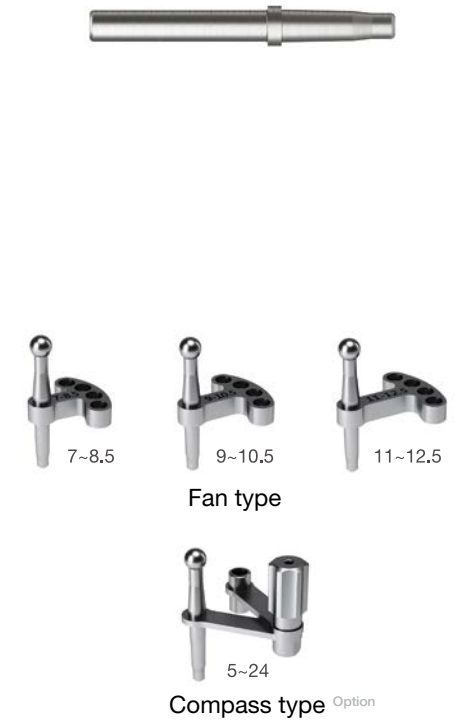
Guide Pin ^{07.2015}

- Pin for checking the drilling path and fixing the single guide in place



Bridge Guide ^{07.2015}

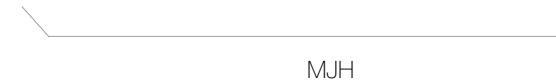
- Guide for adjusting the direction and distance for drilling
- Fan type : Selectable in 0.5mm increments (7~12.5mm)
- Compass type : Adjustable in 1 mm increments (5~24mm)
- Used after adjusting the distance in the distance setup of the mid panel of KIT



Type \ Distance	7~8.5	9~10.5	11~12.5	5~24
Fan	PGBRA070	PGBRA090	PGBRA110	-
Compass	-	-	-	PGBPA

Multi Joint Handle ^{Option 07.2015}

- Instrument to place the guide from the outside of the oral cavity by connecting to the ball head of the bridge guide



Denture Guide ^{Option 07.2015}

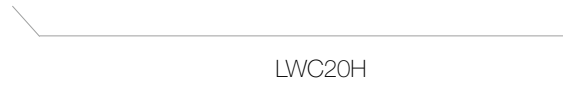
- Guide with adjustable angle for each patient in edentulous case
- Drilling in the oral cavity with the angle fixed with an L-wrench in working model model after adjusting the angle according to the arch shape of the patient
- Marking line refers to the No. 2,3,4,5,6 positions from the center



Positioning Guide KIT Surgical Instruments

L-wrench Option 07.2015

- Instrument to adjust the size of the denture guide and keep it in place



Distance Setup Pin Option 07.2015

- Pin for bridge guide compass type and denture guide fixation



SmartGuide KIT (OSGK) 12.2015



Lower panel components

Guide Pin (4ea)
SGP22



Round bur (2ea)
RAHM1018

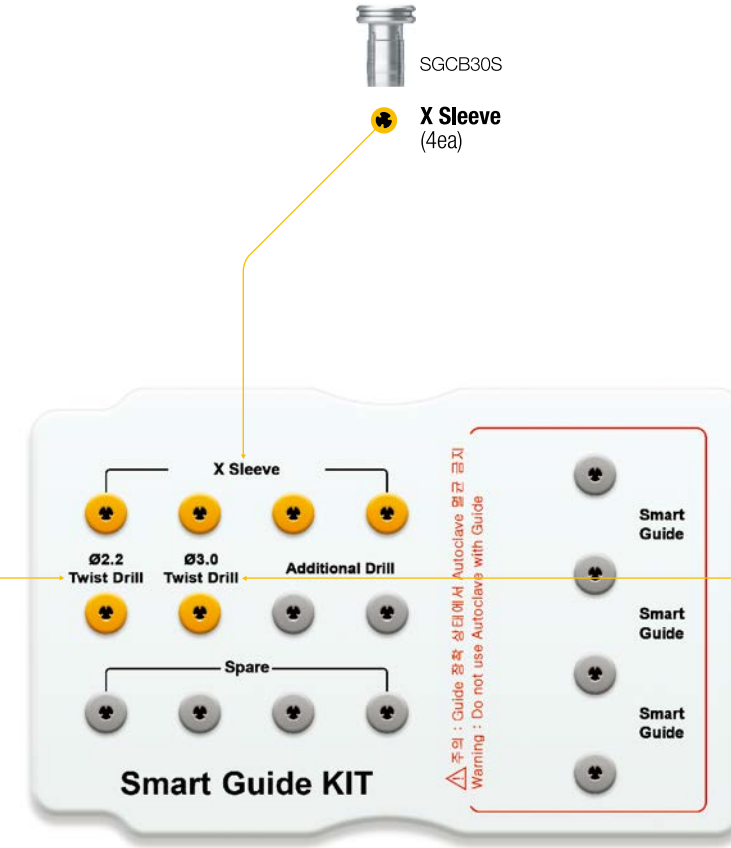


Twist Drill (2ea) (Ø2.2) For stone models
2D2208LC01



X Sleeve (4ea)

Twist Drill (Ø2.2)
SGTD2207S



Twist Drill (Ø3.0)
QGTD3008



SmartGuide KIT Surgical Instruments

SmartGuide 12.2015

- Thermoplastic surgical guide
- Freely deformable after immersion in about 70°C water for about 1 minute
- Curing at room temperature after 1 minute from deformation

※ Disposable, Do not reuse, Use after low temperature disinfection (Do not autoclave or hydrogen peroxide)

Type	Single	Free-end Bridge	2-Unit Br.: small	2-Unit Br.: large
				
	SGTSS	SGTFB90LS	SGTB63SS	SGTB85LS

Twist Drill (Ø2.2) For stone models 12.2015

- Used for initial marking on the working model
- Use cycle : 10 times
- Additional drilling after using the round bur
- Recommended speed : 1,200~1,500rpm

D	Ø2.2
	2D2208LC01



402

Twist Drill 12.2015

- Drill used through the guide in the oral cavity
- Stable drilling by connecting to the SmartGuide sleeve
- After initial drilling with Ø2.2 drill, additional drilling with Ø3.0 drill
- Recommended speed : 1,200~1,500rpm

D	Ø2.2	Ø3.0
	SGTD2207S	QGTD3008



Guide Pin 12.2015

- Assembled to the working model for fixing the SmartGuide in place
- Connected to the SmartGuide sleeve

D	SGP22



403

OSSTEM KIT

X Sleeve 12.2015

- Instrument to check if th guide is produced as intended through CT scan or x-ray by connecting to the SmartGuide sleeve
- After connecting to the SmartGuide outside the oral cavity, assemble in the oral cavity

D	SGCB30S

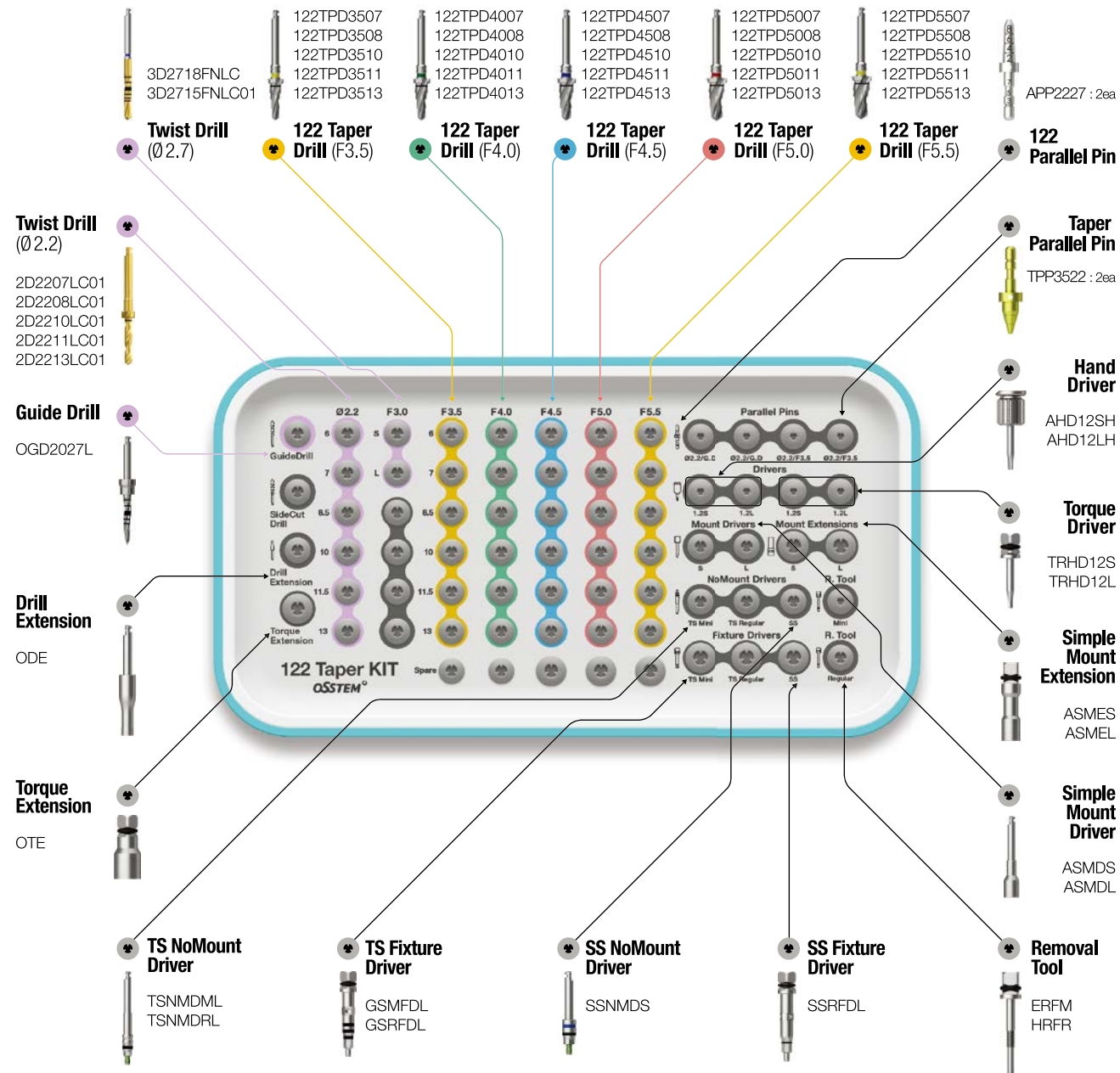
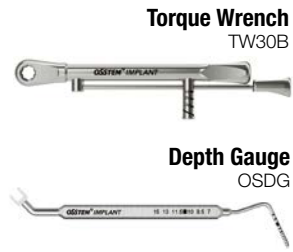


122 Taper KIT (O122TPK) 09.2016



Top panel components

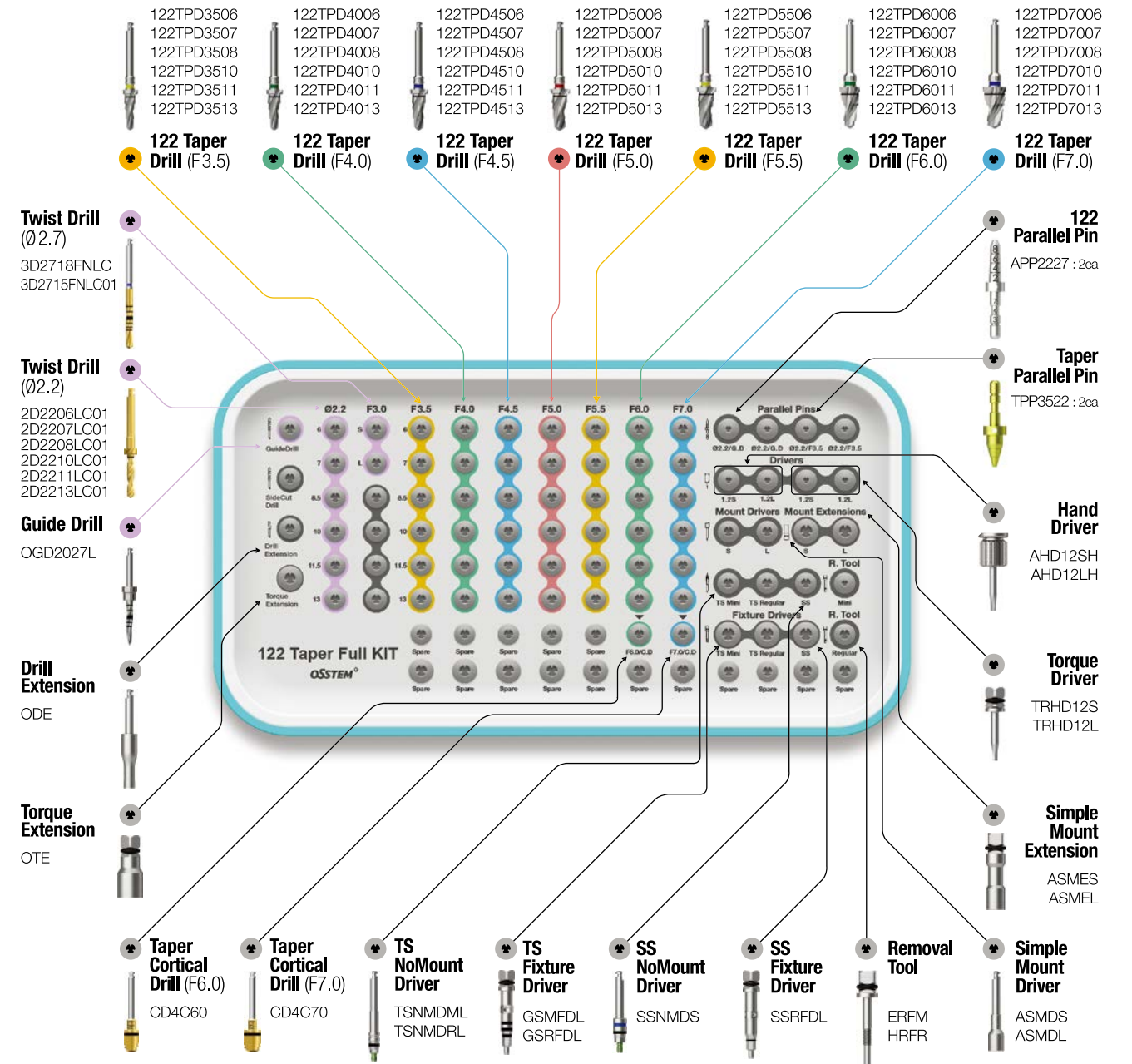
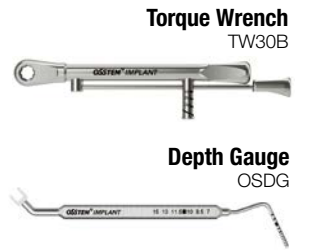
For **TSIII / IV** **SSIII** **USIII / IV** **KSIII**



122 Taper Full KIT (O122TPFK) 01.2018

Top panel components

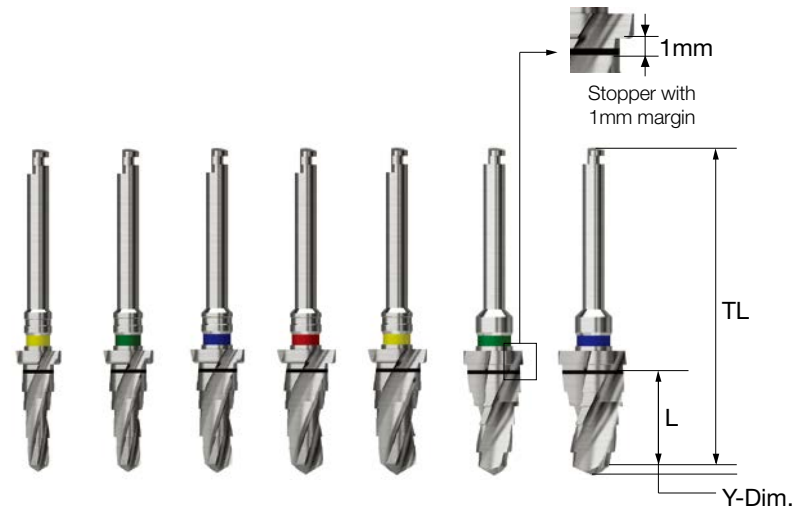
For **TSIII / IV** **SSIII** **USIII / IV** **KSIII** **III / IV Ultra-wide**



122 Taper KIT Surgical Instruments

122 Taper Drill

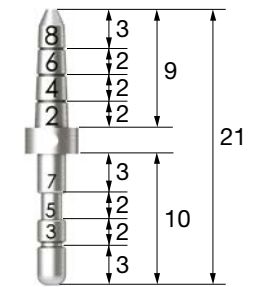
- Dedicated Taper Drill for Taper (III type) Fixture
- Types available for each diameter and length
- Color coded handle indicating the fixture diameter
- Drill slightly larger in diameter used for removing cortical bone from hard bone
- Included in 122 Taper KIT only (not included in Taper KIT)
- F = Fixture



L	TL	F3.5	F4.0	F4.5	F5.0	F5.5	F6.0	F7.0
	Y-Dim.	0.7	0.9	1.0	1.0	1.0	1.0	1.0
4.0	29.5	122TPD3504	122TPD4004	122TPD4504	122TPD5004	122TPD5504	-	-
5.0	29.5	122TPD3505	122TPD4005	122TPD4505	122TPD5005	122TPD5505	-	-
6.0	30.5	122TPD3506	122TPD4006	122TPD4506	122TPD5006	122TPD5506	122TPD6006	122TPD7006
7.0	31.5	122TPD3507	122TPD4007	122TPD4507	122TPD5007	122TPD5507	122TPD6007	122TPD7007
8.5	33	122TPD3508	122TPD4008	122TPD4508	122TPD5008	122TPD5508	122TPD6008	122TPD7008
10	34.5	122TPD3510	122TPD4010	122TPD4510	122TPD5010	122TPD5510	122TPD6010	122TPD7010
11.5	34.5	122TPD3511	122TPD4011	122TPD4511	122TPD5011	122TPD5511	122TPD6011	122TPD7011
13	36	122TPD3513	122TPD4013	122TPD4513	122TPD5013	122TPD5513	122TPD6013	122TPD7013
15	38	122TPD3515	122TPD4015	122TPD4515	122TPD5015	122TPD5515	-	-
Color		Yellow	Green	Blue	Red	Yellow	Green	Blue

Parallel Pin (122 Taper Drill)

- Dedicated Parallel Pin for 122 Taper Drill
- Used for checking the position and direction of bone preparation
- Bottom part for Ø2.2 drill, and top part for guide drill
- Included in 122 Taper KIT only (not included in Taper KIT)
- Other components same as Taper KIT



APP2227

※ Refer to surgical instruments for other components (from p462)

Cortical Drill (Ultra-wide) 01.2009

- Drill used for removing cortical bone from hard bone (for Ultra-wide)
- Dedicated drill for each fixture diameter
- Drilling up to the lower marking line recommended
- F = Fixture

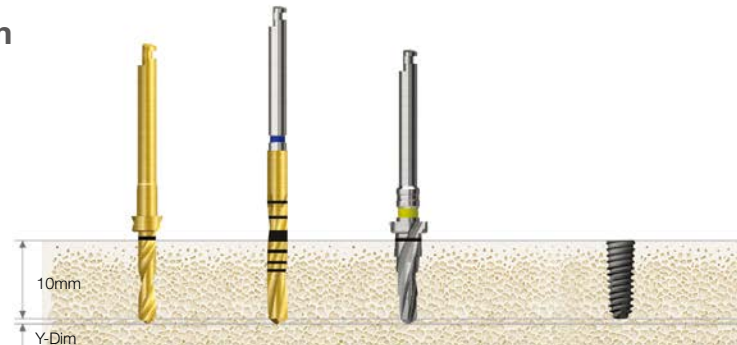


F6.0 CD4C60
F7.0 CD4C70

Drilling Sequence 122 Taper Drill

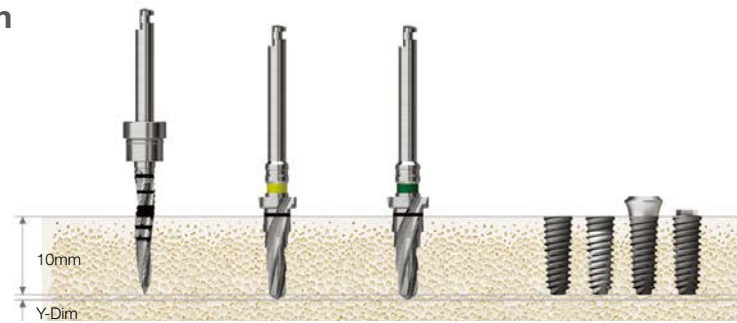
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

Ø3.0mm



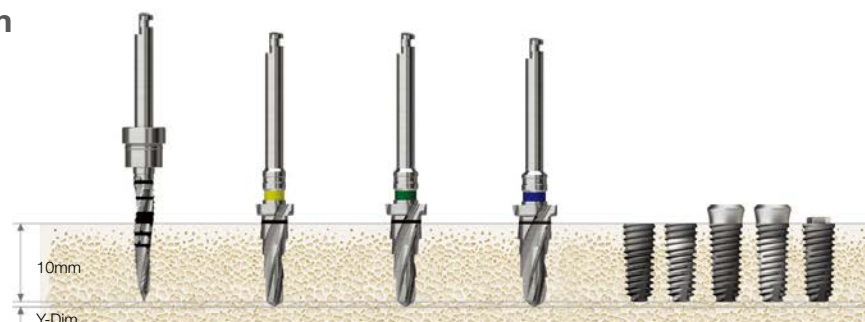
Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø2.7)	122 Taper Drill (F3.5)	Ø3.0 Fixture
Soft	▶			
Normal	▶	▶		Implant Placement
Hard	▶		▶	

Ø3.5mm



Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F4.0)	Ø3.5 Fixture
Soft	▶			
Normal	▶	▶		Implant Placement
Hard	▶	▶	▶	

Ø4.0mm



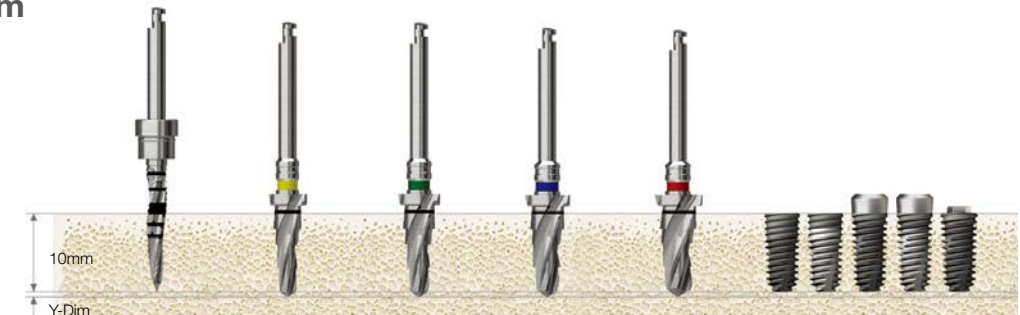
Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F4.0)	122 Taper Drill (F4.5)	Ø4.0 Fixture
Soft	▶	▶			
Normal	▶	▶	▶		Implant Placement
Hard	▶	▶		▶	

F5.5 Taper Cortical Drill marking bottom line for 6mm Fixtures, midline for 7mm Fixtures, top line for 8.5mm or greater Fixtures

Recommended placement torque ≤ 40Ncm

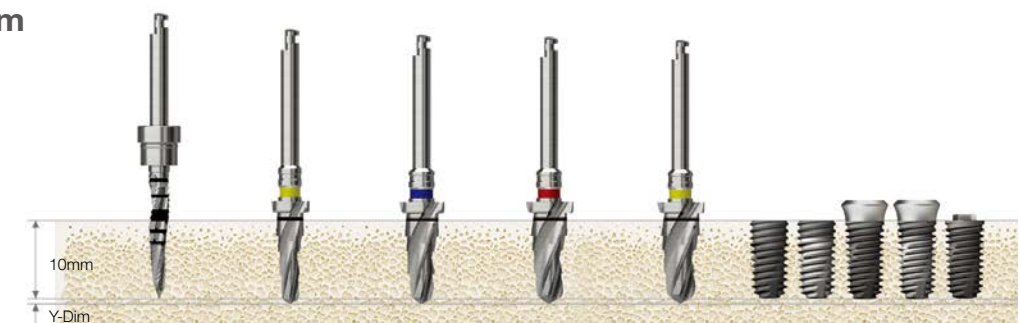
TS Fixture placed to a depth 1mm deeper than the bone level for normal bone, and to the bone level for soft bone to maintain fixation stability

Ø4.5mm



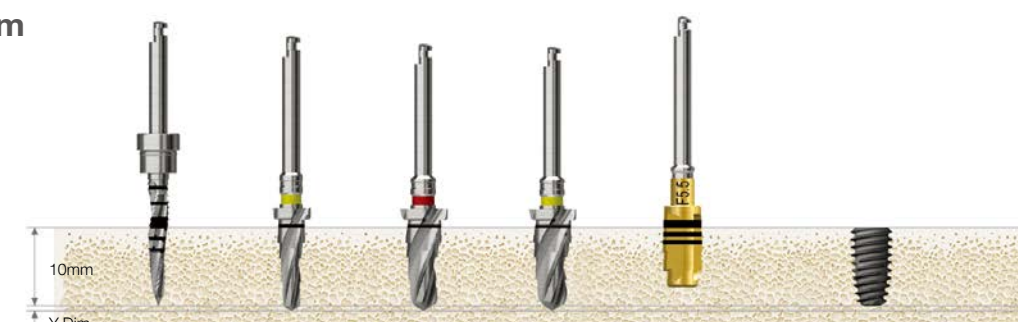
Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F4.0)	122 Taper Drill (F4.5)	122 Taper Drill (F5.0)	Ø4.5 Fixture
Soft	▶				▶	
Normal	▶	▶		▶		Implant Placement
Hard	▶	▶			▶	

Ø5.0mm



Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F4.5)	122 Taper Drill (F5.0)	122 Taper Drill (F5.5)	Ø5.0 Fixture
Soft	▶				▶	
Normal	▶	▶		▶		Implant Placement
Hard	▶	▶			▶	

Ø5.5mm



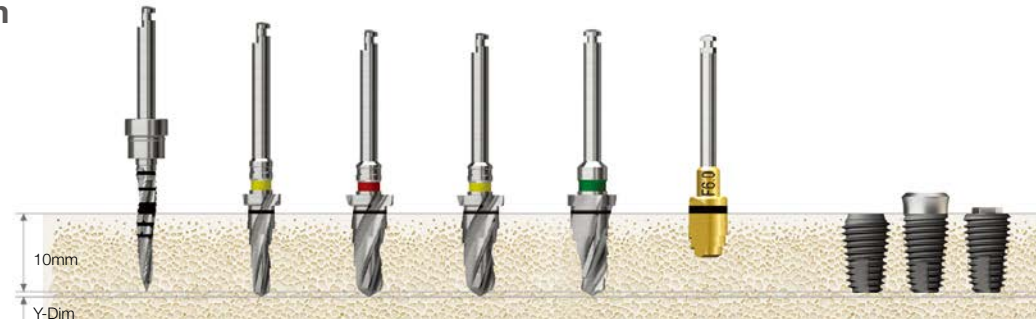
Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F5.0)	122 Taper Drill (F5.5)	Taper Cortical Drill (F5.5)	Ø5.5 Fixture
Soft	▶				▶	
Normal	▶	▶		▶		Implant Placement
Hard	▶	▶			▶	

Drilling Sequence **122 Taper Drill**

TSIII Ultra-wide | **SSIII Ultra-wide** | **USIII Ultra-wide**
KSIII Ultra-wide

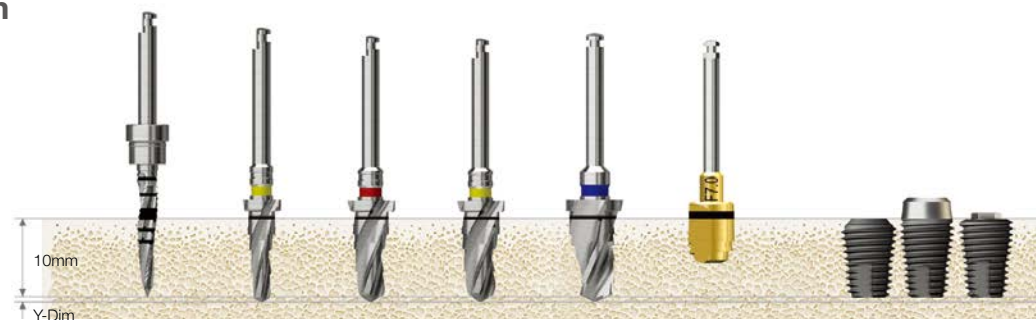
(Length : 10mm)

Ø6.0mm



Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F5.0)	122 Taper Drill (F5.5)	122 Taper Drill (F6.0)	Taper Cortical Drill (F6.0)	Ø6.0 Fixture
Soft	▶		▶	▶			Implant Placement
Normal	▶	▶	▶		▶		
Hard	▶	▶	▶		▶	▶	

Ø7.0mm



Bone Quality	Guide Drill	122 Taper Drill (F3.5)	122 Taper Drill (F5.0)	122 Taper Drill (F6.0)	122 Taper Drill (F7.0)	Taper Cortical Drill (F7.0)	Ø7.0 Fixture
Soft	▶		▶	▶			Implant Placement
Normal	▶	▶	▶		▶		
Hard	▶	▶	▶		▶	▶	

F5.5 Taper Cortical Drill marking bottom line for 6mm Fixtures, midline for 7mm Fixtures, top line for 8.5mm or greater Fixtures

Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone, and to the bone level for soft bone to maintain fixation stability

Drilling Sequence **122 Taper Drill**

TSIV | **USIV**

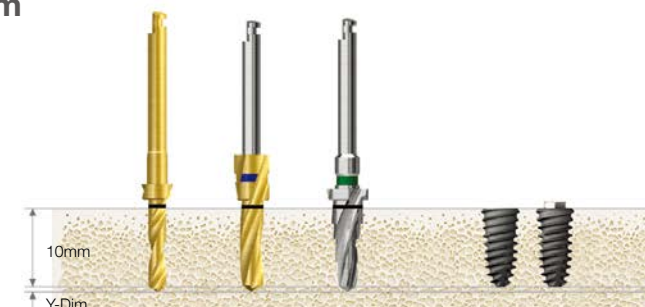
(Length : 10mm)

Ø4.0mm



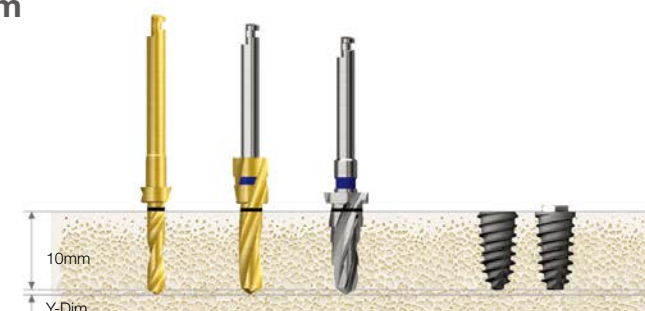
Bone Quality	Twist Drill (Ø2.2)	122 Taper Drill (F3.5)	Ø4.0 Fixture
D4	▶		Implant Placement
Soft	▶	▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø3.0)	122 Taper Drill (F4.0)	Ø4.5 Fixture
D4		▶		Implant Placement
Soft	▶		▶	

Ø5.0mm



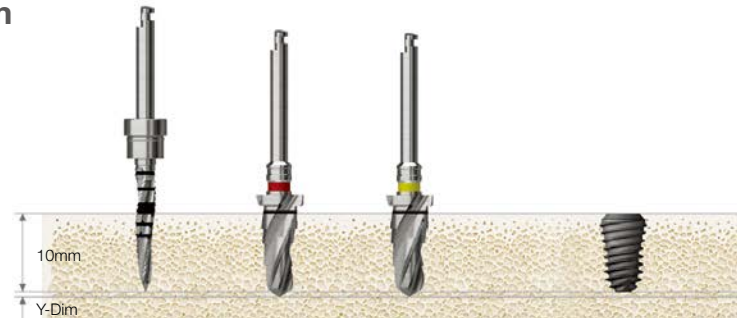
Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø3.0)	122 Taper Drill (F4.5)	Ø5.0 Fixture
D4		▶		Implant Placement
Soft	▶		▶	

Drilling Sequence 122 Taper Drill

TSIV Ultra-wide

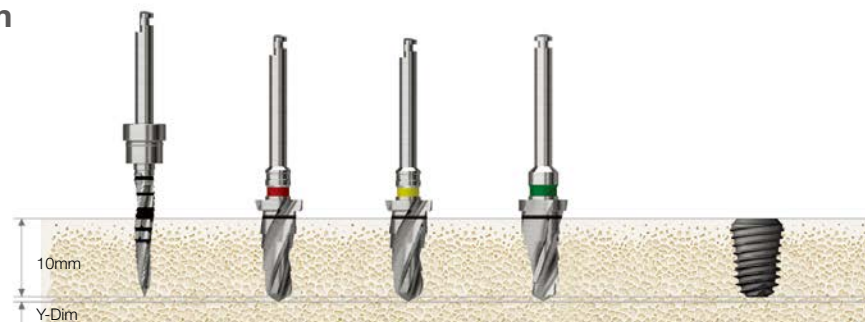
(Length : 10mm)

Ø6.0mm



Bone Quality	Guide Drill	122 Taper Drill (F5.0)	122 Taper Drill (F5.5)	Ø6.0 Fixture
D4	▶	▶		Implant Placement
Soft	▶	▶	▶	

Ø7.0mm



Bone Quality	Guide Drill	122 Taper Drill (F5.0)	122 Taper Drill (F5.5)	122 Taper Drill (F6.0)	Ø7.0 Fixture
D4	▶	▶	▶		Implant Placement
Soft	▶	▶	▶	▶	

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F5.5 Taper Cortical Drill marking bottom line for 6mm Fixtures, midline for 7mm Fixtures, top line for 8.5mm or greater Fixtures

Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone, and to the bone level for soft bone to maintain fixation stability

Taper KIT (OTSK) 09.2016



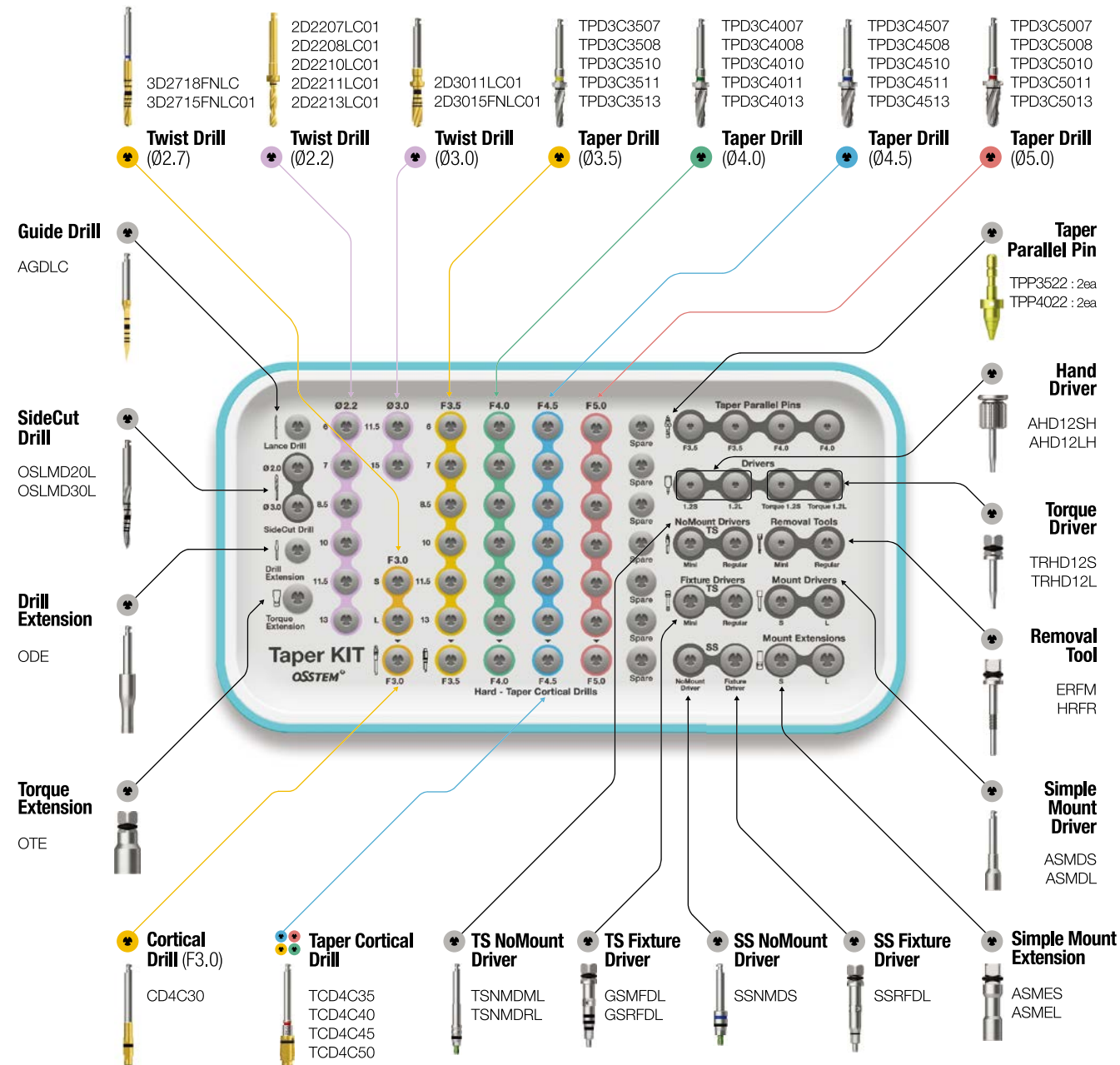
Top panel components

For **TSIII / IV** **SSIII** **USIII / IV** **KSIII**

Torque Wrench
TW30B



Depth Gauge
OSDG



Taper Ultra KIT (HULTPK) 07.2013

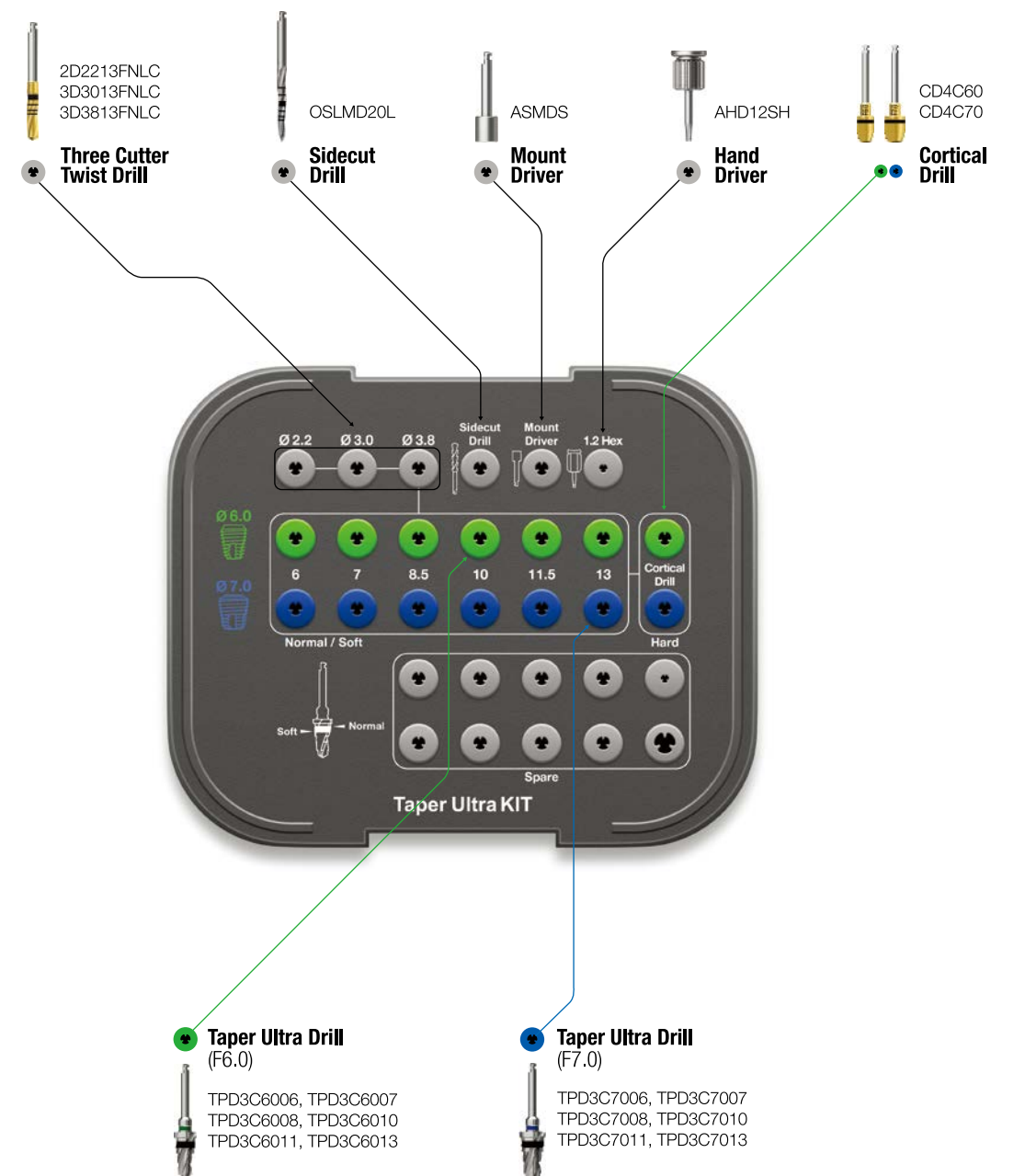
Lower panel components

For **III Ultra-wide**

Open Wrench
SPOW



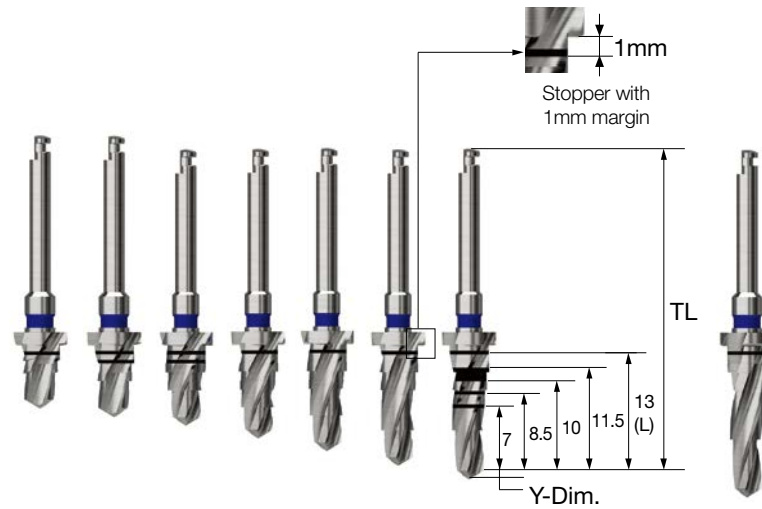
Ratchet Wrench
RCWC



Taper KIT Surgical Instruments

Taper Drill

- Dedicated Taper Drill for Taper(III type) fixtures of each diameter and length
- Stopper Drill with 1mm margin
- Color coded handle indicating the fixture diameter
- F3.5 : Yellow, F4.0 : Green, F4.5 : Blue, F5.0 : Red, F5.5 : Yellow
- Included in Taper KIT only (not included in 122 Taper KIT)



L	TL	F3.5	F4.0	F4.5	F5.0	F5.5
	Y-Dim.	0.8	0.9	1.0	1.0	1.0
5.0	29.5	TPD3C3505	TPD3C4005	TPD3C4505	TPD3C5005	-
6.0	30.5	TPD3C3506	TPD3C4006	TPD3C4506	TPD3C5006	TPD3C5506
7.0	31.5	TPD3C3507	TPD3C4007	TPD3C4507	TPD3C5007	TPD3C5507
8.5	33	TPD3C3508	TPD3C4008	TPD3C4508	TPD3C5008	TPD3C5508
10	34.5	TPD3C3510	TPD3C4010	TPD3C4510	TPD3C5010	TPD3C5510
11.5	34.5	TPD3C3511	TPD3C4011	TPD3C4511	TPD3C5011	TPD3C5511
13	36	TPD3C3513	TPD3C4013	TPD3C4513	TPD3C5013	TPD3C5513
15	38	TPD3C3515	TPD3C4015	TPD3C4515	TPD3C5015	TPD3C5515
Color		Yellow	Green	Blue	Red	Yellow

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

- Drill used for removing cortical bone from hard bone (used right after Taper Drill)
- Dedicated drill for each fixture diameter
- F3.5~5.0 drill marking line : bottom line for placing 8.5mm or smaller Fixtures, and top line for 10mm or greater Fixtures
- F5.5 drill marking line : bottom line for placing 6mm or smaller Fixtures, midline for 7mm Fixtures, and top line for 10mm or greater Fixtures
- Drilling up to the lower marking line recommended
- Included in Taper KIT only (not included in 122 Taper KIT)
- F = Fixture

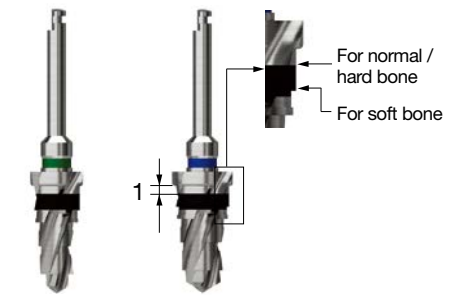


F3.5	F4.0	F4.5	F5.0	F5.5
TCD4C35	TCD4C40	TCD4C45	TCD4C50	TCD4C55

Taper Ultra Drill 09.2013

- Dedicated Taper Drill for Taper Ultra-wide Fixtures of each diameter and length
- Stopper Drill with 1mm margin
- Color coded handle indicating the fixture diameter
- F = Fixture

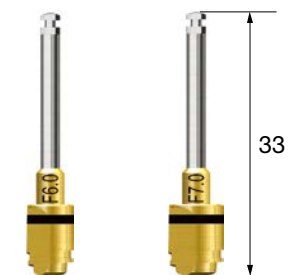
L	F6.0	F7.0
6	TPD3C6006	TPD3C7006
7	TPD3C6007	TPD3C7007
8.5	TPD3C6008	TPD3C7008
10	TPD3C6010	TPD3C7010
11.5	TPD3C6011	TPD3C7011
13	TPD3C6013	TPD3C7013
Color	Green	Blue



Cortical Drill (Ultra-wide) 01.2009

- Drill used for removing cortical bone from hard bone (for Ultra-wide)
- Dedicated drill for each fixture diameter
- Drilling up to the lower marking line recommended
- F = Fixture

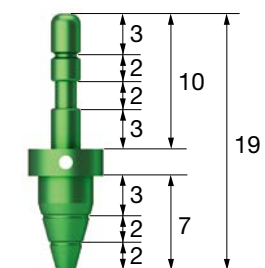
F6.0	F7.0
CD4C60	CD4C70



Parallel Pin (Taper Drill)

- Dedicated Parallel Pin for Taper Drill
- Used for checking the position and direction of bone preparation
- For lower part fixture diameter drill, for upper part Initial Drill
- Color coded according to the fixture diameter (F3.5 : Yellow, F4.0 : Green, F4.5 : Blue, F5.0 : Silver)
- Common component of 122 Taper KIT & Taper KIT

F3.5	F4.0	F4.5	F5.0
TPP3522	TPP4022	TPP4522	TPP5022

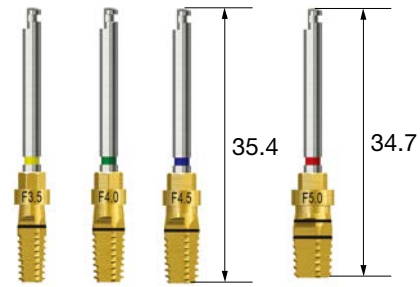


Taper KIT Surgical Instruments

Tapered Fixture Tap

(Taper Fixture TSIII, USIII, SSIII SA)

- Dedicated tap for tapered fixture (III type)
- Used for hard bones, forming fixture thread shape
- Torque wrench used after connecting to the engine (25rpm recommended) or a mount extension
- Tapping up to the bottom marking line recommended (F5.0 : Bottom line for placing 7.0mm or smaller Fixtures, and top line for 8.5mm or greater Fixtures)
- F = Fixture



F3.5	F4.0	F4.5	F5.0
OFTS35	OFTS40	OFTS45	OFTS50

※ Refer to surgical instruments for other components (from p462)

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Drilling Sequence Taper Drill

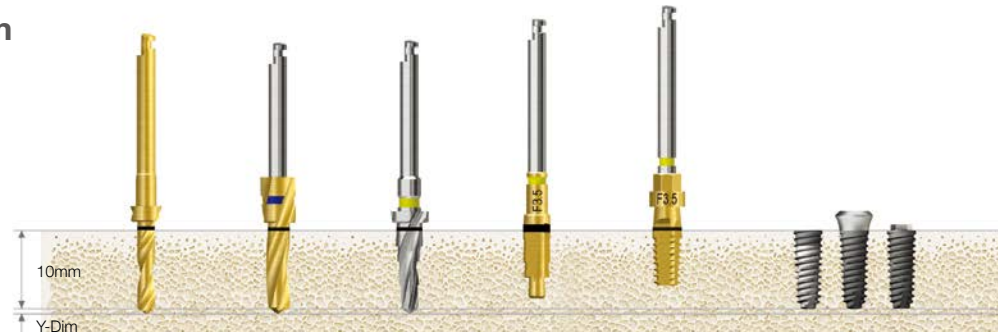
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

Ø3.0mm



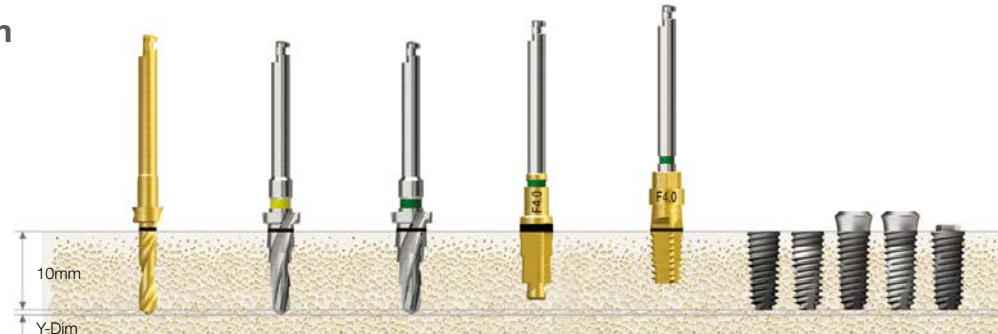
Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø2.7)	Cortical Drill (F3.0)	Ø3.0 Fixture
Soft	▶			
Normal	▶	▶		Implant Placement
Hard	▶	▶	▶	

Ø3.5mm



Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø3.0)	Taper Drill (F3.5)	Taper Cortical Drill (F3.5)	Taper Fixture Tap (F3.5)	Ø3.5 Fixture
Soft	▶	▶				
Normal	▶		▶			Implant Placement
Hard	▶		▶	▶		
Hard (Option)	▶		▶		▶	

Ø4.0mm



Bone Quality	Twist Drill (Ø2.2)	Taper Drill (F3.5)	Taper Drill (F4.0)	Taper Cortical Drill (F4.0)	Taper Fixture Tap (F4.0)	Ø4.0 Fixture
Soft	▶	▶				
Normal	▶	▶	▶			Implant Placement
Hard	▶	▶	▶	▶		
Hard (Option)	▶	▶	▶		▶	

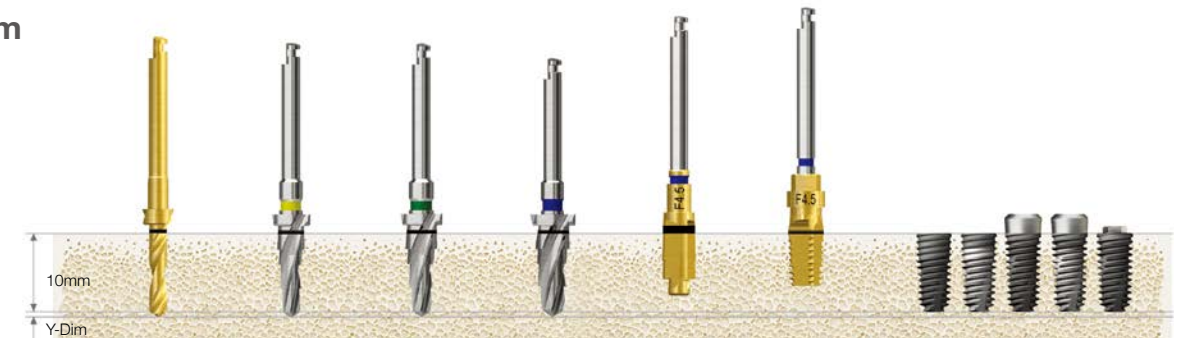
Taper Cortical Drill marking line: Bottom line for placing 8.5mm or greater Fixtures, and top line for 10mm or greater Fixtures

Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone, and to the bone level for soft bone to maintain fixation stability

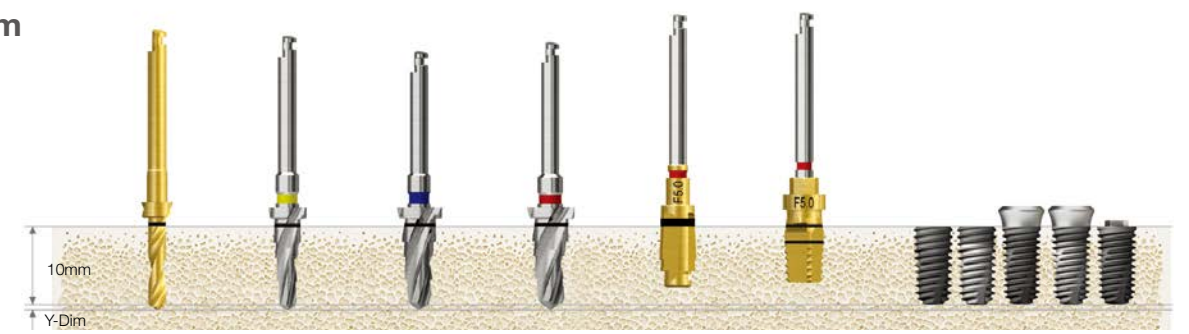
For fixture tap used in hard bone, engine (25rpm recommended) is used or Torque Wrench is used after assembling mount extension (F5.0 Fixture Tap : Bottom line for placing 7.0mm or smaller Fixtures, and top line for 8.5mm or greater Fixtures)

Ø4.5mm



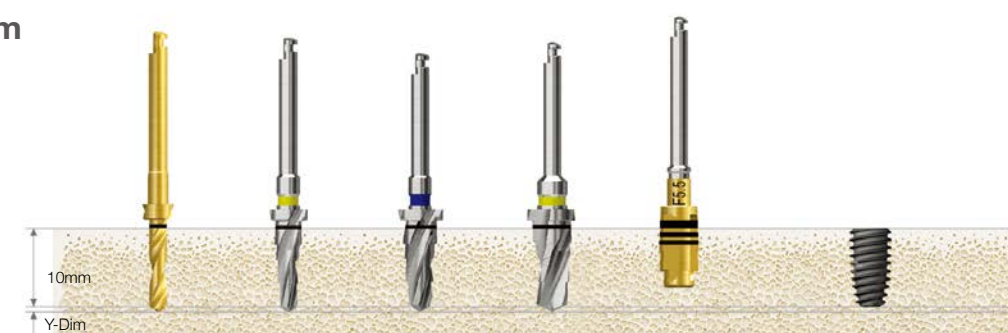
Bone Quality	Twist Drill (Ø2.2)	Taper Drill (F3.5)	Taper Drill (F4.0)	Taper Drill (F4.5)	Taper Cortical Drill (F4.5)	Taper Fixture Tap (F4.5)	Ø4.5 Fixture
Soft	▶	▶	▶				
Normal	▶	▶		▶			Implant Placement
Hard	▶	▶		▶	▶		
Hard (Option)	▶	▶		▶		▶	

Ø5.0mm



Bone Quality	Twist Drill (Ø2.2)	Taper Drill (F3.5)	Taper Drill (F4.5)	Taper Drill (F5.0)	Taper Cortical Drill (F5.0)	Taper Fixture Tap (F5.0)	Ø5.0 Fixture
Soft	▶	▶	▶				
Normal	▶	▶	▶	▶			Implant Placement
Hard	▶	▶	▶	▶	▶		
Hard (Option)	▶	▶	▶	▶		▶	

Ø5.5mm

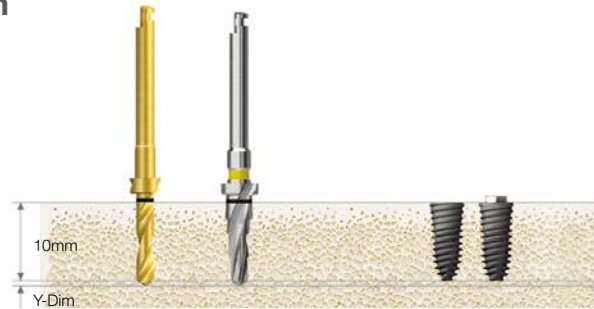


Bone Quality	Twist Drill (Ø2.2)	Taper Drill (F3.5)	Taper Drill (F4.5)	Taper Drill (F5.5)	Taper Fixture Tap (F5.5)	Ø5.5 Fixture
Soft	▶	▶	▶			
Normal	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶	▶	▶	

Drilling Sequence Taper Drill

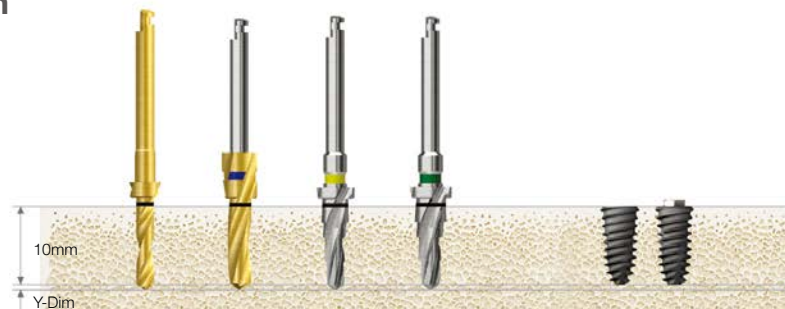
TSIV | USIV
(Length : 10mm)

Ø4.0mm



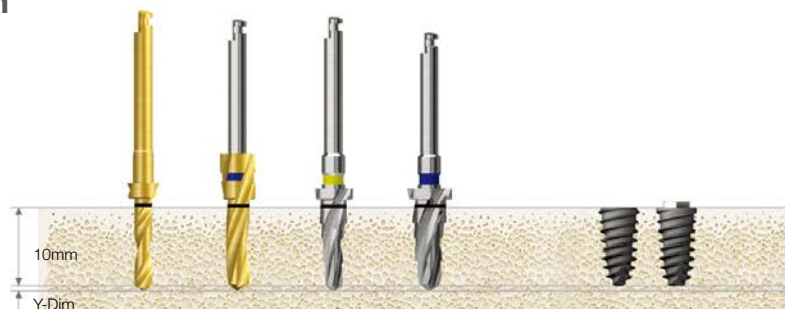
Bone Quality	Twist Drill (Ø2.2)	Taper Drill (F3.5)	Ø4.0 Fixture
D4	▶		Implant Placement
Soft	▶	▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø3.0)	Taper Drill (F3.5)	Taper Drill (F4.0)	Ø4.5 Fixture
D4		▶			Implant Placement
Soft	▶		▶	▶	

Ø5.0mm

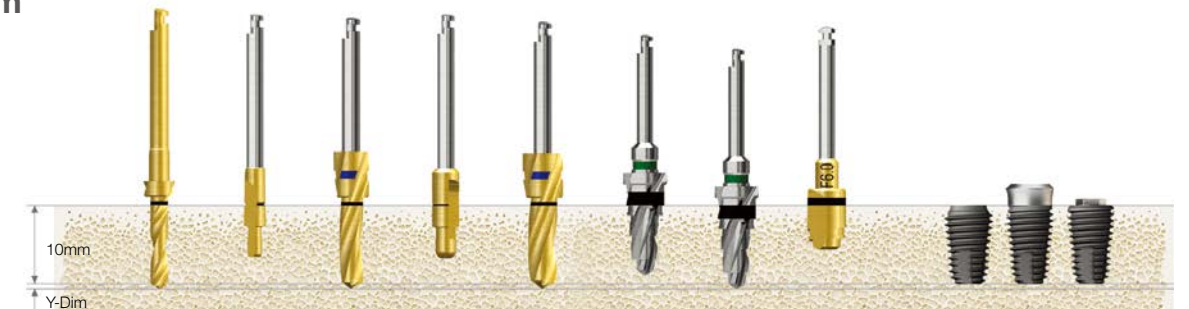


Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø3.0)	Taper Drill (F3.5)	Taper Drill (F4.5)	Ø5.0 Fixture
D4		▶			Implant Placement
Soft	▶		▶	▶	

Drilling Sequence Taper Drill

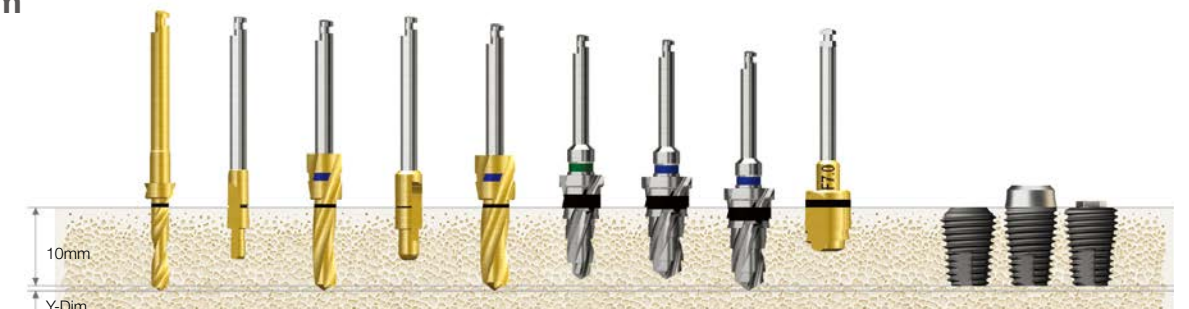
**TSIII Ultra-wide | SSIII Ultra-wide | USIII Ultra-wide
KSIII Ultra-wide**
(Length : 10mm)

Ø6.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Taper Drill (F6.0)	Taper Drill (F6.0)	Cortical Drill (F6.0)	Ø6.0 Fixture
Soft	▶	▶	▶	▶		▶			Implant Placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	

Ø7.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Taper Drill (F6.0)	Taper Drill (F7.0)	Taper Drill (F7.0)	Cortical Drill (F7.0)	Ø7.0 Fixture
Soft	▶	▶	▶	▶		▶	▶			Implant Placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

Recommended placement torque ≤ 40Ncm

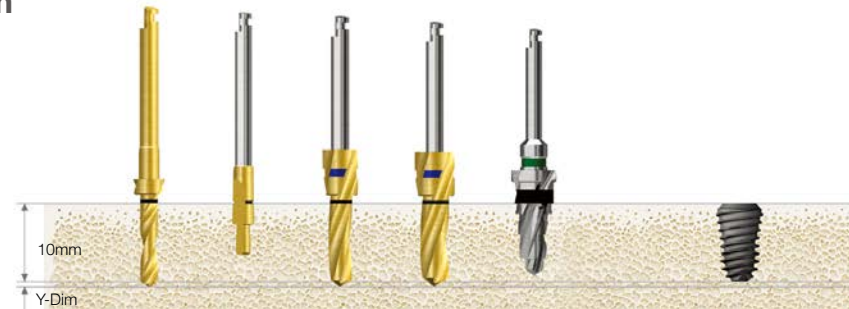
TS Fixture placed to a depth 1mm deeper than the bone level for normal bone/hard bone, and to the bone level for soft bone to maintain fixation stability

Drilling Sequence Taper Drill

TSIV Ultra-wide

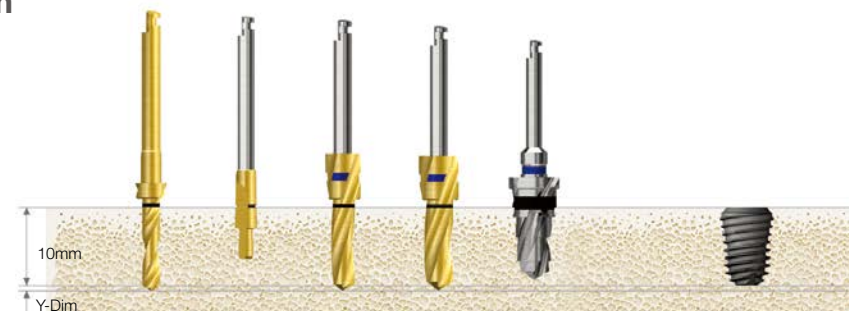
(Length : 10mm)

Ø6.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Twist Drill (Ø3.8)	Taper Drill (F6.0)	Ø6.0 Fixture
D4	▶			▶		Implant Placement
Soft	▶	▶	▶		▶	

Ø7.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Twist Drill (Ø3.8)	Taper Drill (F7.0)	Ø7.0 Fixture
D4	▶			▶		Implant Placement
Soft	▶	▶	▶		▶	

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Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone/hard bone, and to the bone level for soft bone to maintain fixation stability

123 Straight Simple KIT (O123K) RENEWAL 2020

123 Straight Simple KIT Surgical Instruments

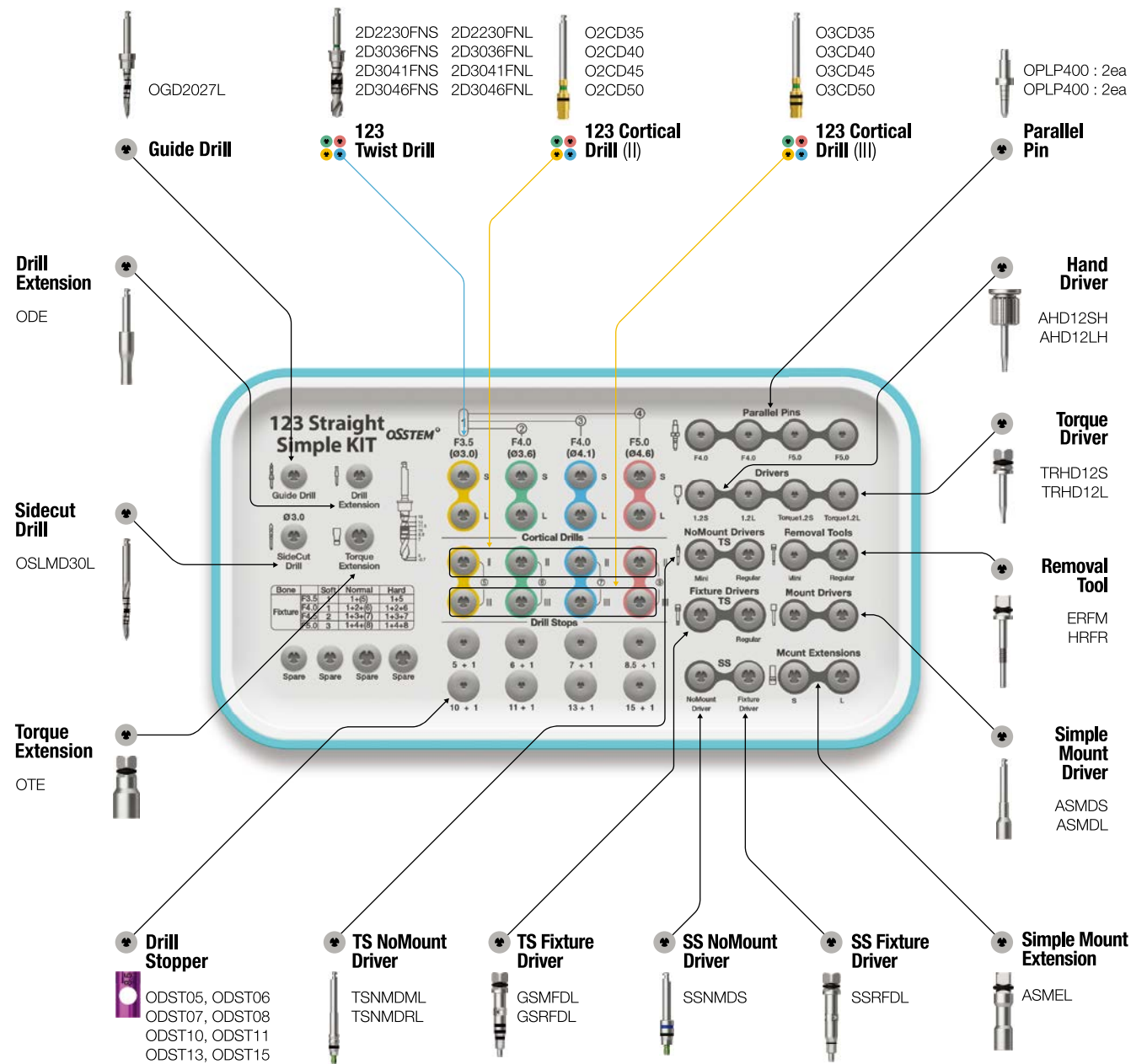
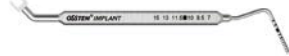
For **TSII / III** **SSII / III** **USII / III** **KSIII**

Top panel components

Torque Wrench
TW30B

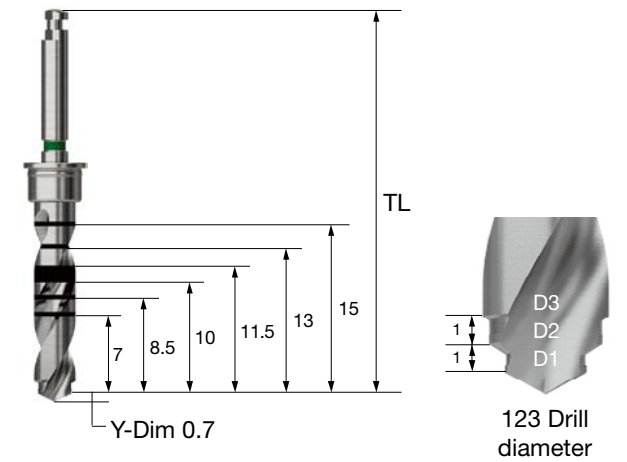


Depth Gauge
OSDG



123 Twist Drill 03.2012

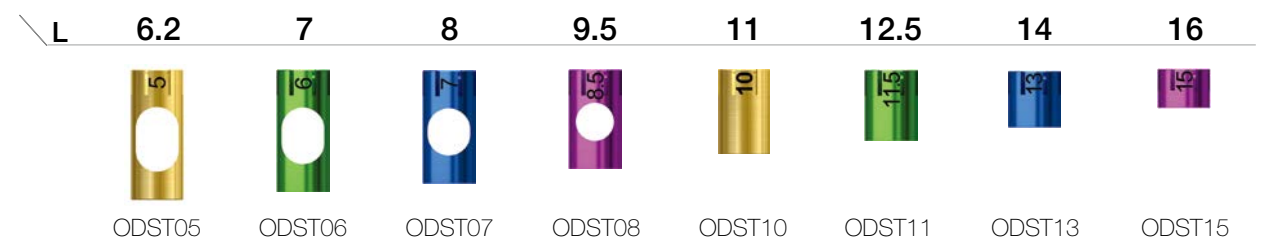
- Straight Drill to reduce the number of drilling (marking drill)
- Color coded 123 Drill handle indicating the fixture diameter and the main fixture used
- Facilitating drilling depth adjustment by assembling a stopper
- Be sure to use a stopper as it could be difficult to control the depth due to excellent cutting force
- F = Fixture



TL	D1 / D2 / D3			
	F3.5(Ø2.2 / 3.0)	F4.0(Ø3.0 / 3.6)	F4.5(Ø3.0 / 3.6 / 4.1)	F5.0(Ø3.0 / 4.1 / 4.6)
34	2D2230FNS	2D3036FNS	2D3041FNS	2D3046FNS
40.4	2D2230FNL	2D3036FNL	2D3041FNL	2D3046FNL
Color	Yellow	Green	Blue	Red

123 Drill Stopper 03.2012

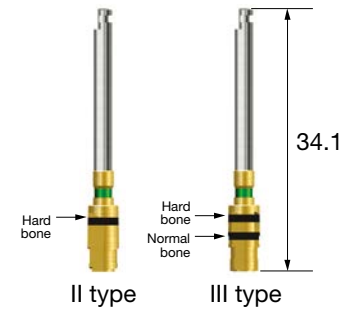
- Number on the stopper indicating the protruding length of the tip when assembled to a drill or instrument
- Color coded by length for easy estimation of the length and relocation of the KIT



123 Straight Simple KIT Surgical Instruments

123 Cortical Drill ^{10.2011}

- Drill used for removing cortical bone from hard bone
- Drilling up to the bottom marking line recommended
- II type marking line : for hard bone
- III type marking line : bottom line for normal bone, and top line for hard bone
- IV type marking line : for normal bone
- Color coded handle indicating the fixture diameter and the main fixture used
- F = Fixture



Type	F3.5	F4.0	F4.5	F5.0
II	O2CD35	O2CD40	O2CD45	O2CD50
III	O3CD35	O3CD40	O3CD45	O3CD50
Color	Yellow	Green	Blue	Red

※ Refer to surgical instruments for other components (from p462)

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123 Straight KIT (O123FK) RENEWAL 2020

123 Straight Full KIT (O123STFK) 04.2018

For **TSII / III** **SSII / III** **USII / III** **KSIII**

For **TSII / III** **SSII / III** **USII / III** **KSIII** **II / III Ultra-wide**

Top panel components

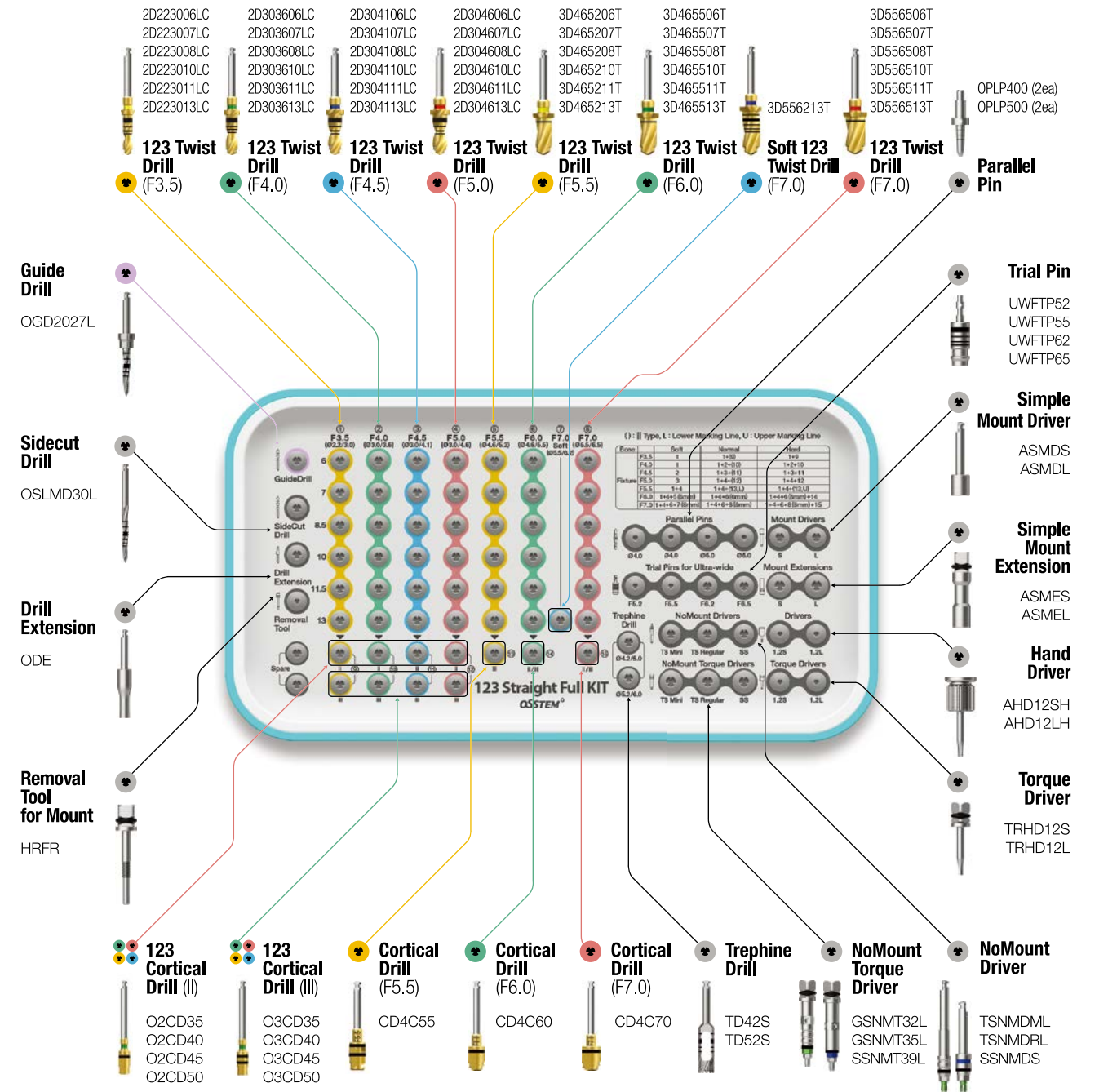
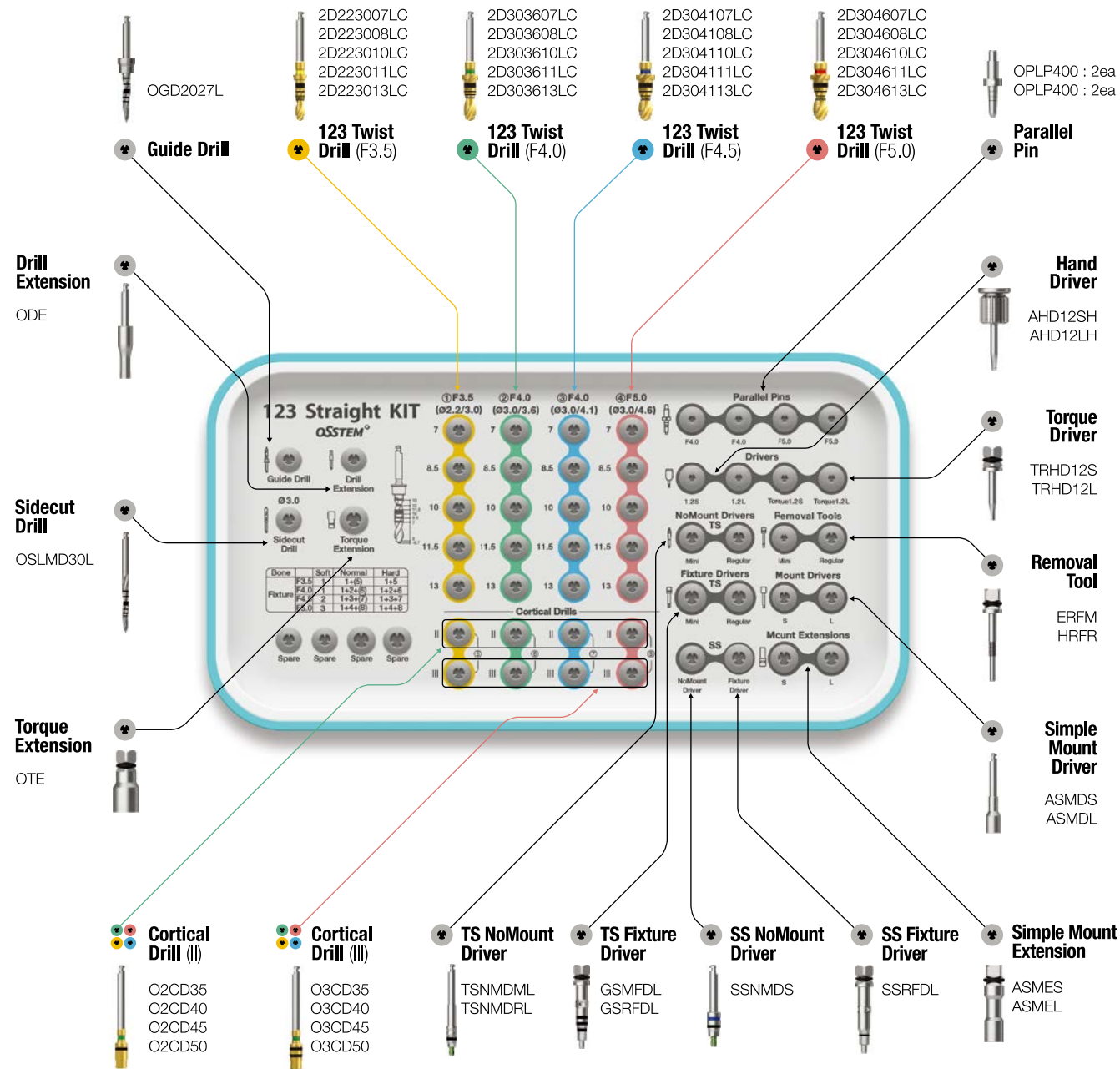
Top panel components

Torque Wrench
TW30B

Torque Wrench
TW30B

Depth Gauge
OSDG

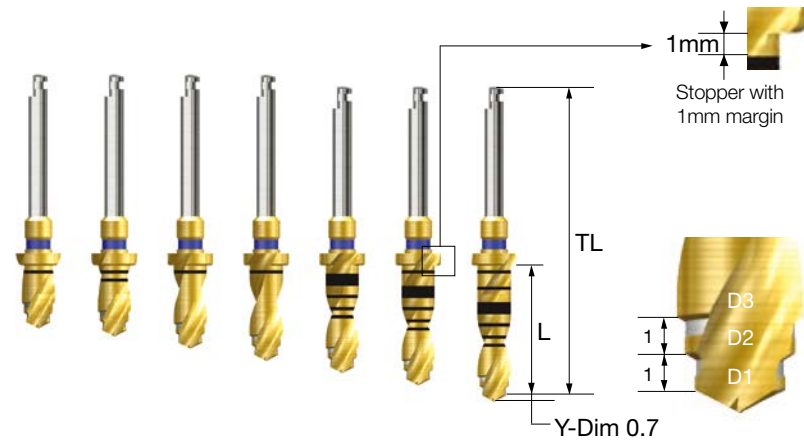
Depth Gauge
OSDG



123 Straight KIT Surgical Instruments

123 Twist Drill (Stopper Drill) 06.2013

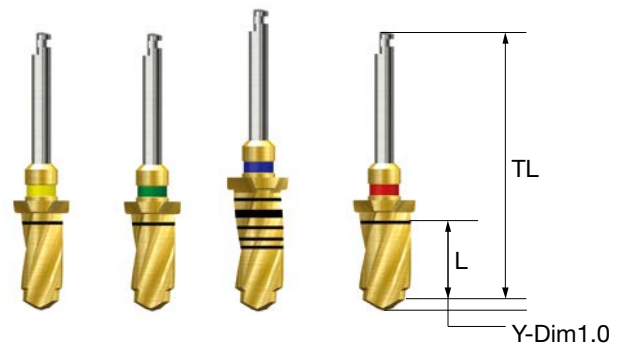
- Straight Drill to reduce the number of drilling (with stopper)
- Color coded 123 Drill handle indicating the fixture diameter and the main fixture used
- F = Fixture



L	TL	D1 / D2 / D3			
		F3.5(Ø2.2 / 3.0)	F4.0(Ø3.0 / 3.6)	F4.5(Ø3.0 / 3.6 / 4.1)	F5.0(Ø3.0 / 4.1 / 4.6)
6	30.5	2D223006LC	2D303606LC	2D304106LC	2D304606LC
7	31.5	2D223007LC	2D303607LC	2D304107LC	2D304607LC
8.5	33	2D223008LC	2D303608LC	2D304108LC	2D304608LC
10	34.5	2D223010LC	2D303610LC	2D304110LC	2D304610LC
11.5	34.5	2D223011LC	2D303611LC	2D304111LC	2D304611LC
13	36	2D223013LC	2D303613LC	2D304113LC	2D304613LC
15	38	2D223015LC	2D303615LC	2D304115LC	2D304615LC
Color		Yellow	Green	Blue	Red

123 Ultra Twist Drill

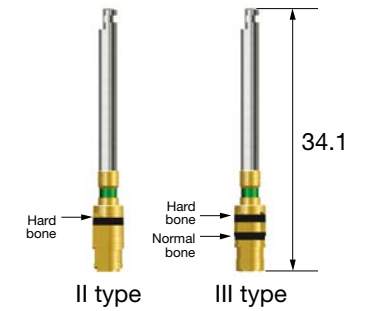
- 2-stage drill with both Pilot and Twist Drill functions
- Straight Drill to reduce the number of drilling (with stopper)
- Dedicated drill used for F7.0 Fixtures in soft bone
- F = Fixture



L	TL	F5.5(Ø4.6 / 5.2) F6.0(Ø4.6 / 5.5) F7.0Soft(Ø5.5 / 6.2) F7.0(Ø5.5 / 6.5)			
		6	30.5	3D465206T	3D465506T
7	31.5	3D465207T	3D465507T	-	3D556507T
8.5	33.5	3D465208T	3D465508T	-	3D556508T
10	34.5	3D465210T	3D465510T	-	3D556510T
11.5	34.5	3D465211T	3D465511T	-	3D556511T
13	36.0	3D465213T	3D465513T	3D556213T	3D556513T
Color		Yellow	Green	Blue	Red

123 Cortical Drill 10.2011

- Drill used for removing cortical bone from hard bone
- Drilling up to the bottom marking line recommended
- II type marking line : for hard bone
- III type marking line : bottom line for normal bone, and top line for hard bone
- IV type marking line : for normal bone
- Color coded handle indicating the fixture diameter and the main fixture used
- F = Fixture

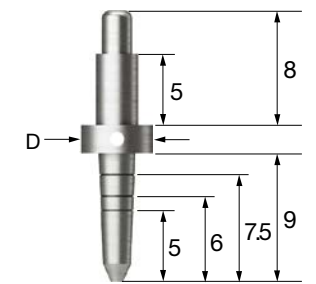


Type	F3.5	F4.0	F4.5	F5.0
II	O2CD35	O2CD40	O2CD45	O2CD50
III	O3CD35	O3CD40	O3CD45	O3CD50
Color	Yellow	Green	Blue	Red

Parallel Pin (123 Drill) 03.2012

- Dedicated Parallel Pin for 123 Twist Drill
- Used for checking the position and direction of bone preparation
- Bottom part for Initial Drill, and top part for F3.5(Ø2.2/3.0) drill

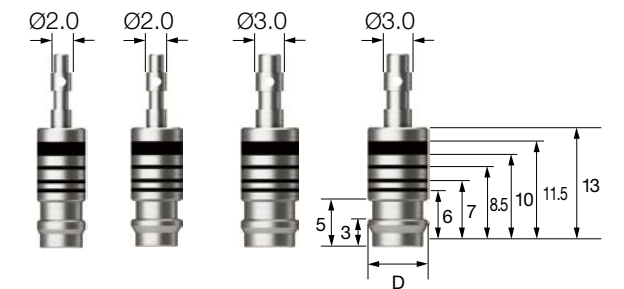
D	Ø4.0	Ø5.0
	OPLP400	OPLP500



Trial Pin (Ultra-wide) 01.2009

- Checking the width and depth of a fresh extraction socket or failed implant socket
- Checking the drilling after using a Direct Drill as the final drill
- Used as a Parallel Pin

D	Ø5.2	Ø5.5	Ø6.2	Ø6.5
	UWFTP52	UWFTP55	UWFTP62	UWFTP65



* Refer to surgical instruments for other components (from p462)

Drilling Sequence II Type 123 Twist Drill

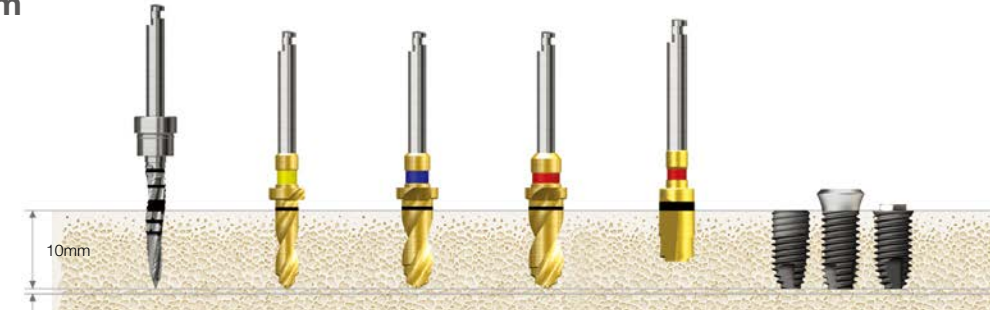
TSII | SSII | USII
(Length : 10mm)

Ø3.5mm



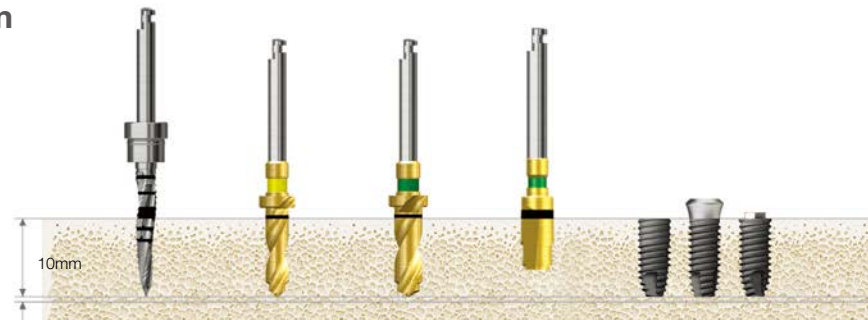
Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Cortical Drill	Ø3.5 Fixture
Soft	▶	▶		Implant Placement
Normal	▶	▶		
Hard	▶	▶	▶	

Ø5.0mm



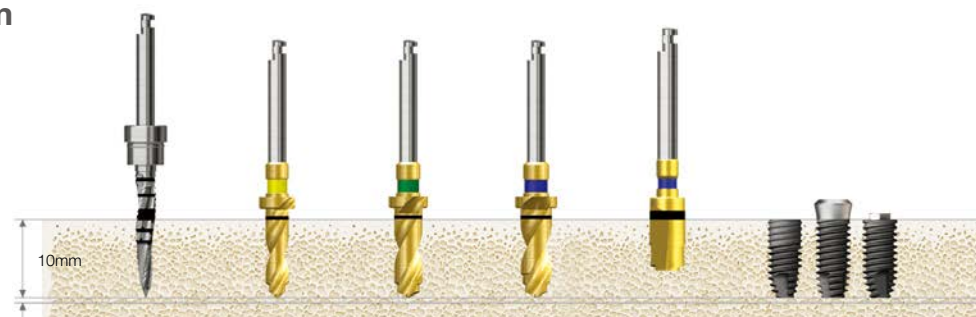
Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.1)	Twist Drill (Ø3.0/4.6)	Cortical Drill	Ø5.0 Fixture
Soft	▶		▶			Implant Placement
Normal	▶	▶		▶		
Hard	▶	▶		▶	▶	

Ø4.0mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/3.6)	Cortical Drill	Ø4.0 Fixture
Soft	▶	▶			Implant Placement
Normal	▶	▶	▶		
Hard	▶	▶	▶	▶	

Ø4.5mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/3.6)	Twist Drill (Ø3.0/4.1)	Cortical Drill	Ø4.5 Fixture
Soft	▶		▶			Implant Placement
Normal	▶	▶		▶		
Hard	▶	▶		▶	▶	

Drilling Sequence III Type 123 Twist Drill

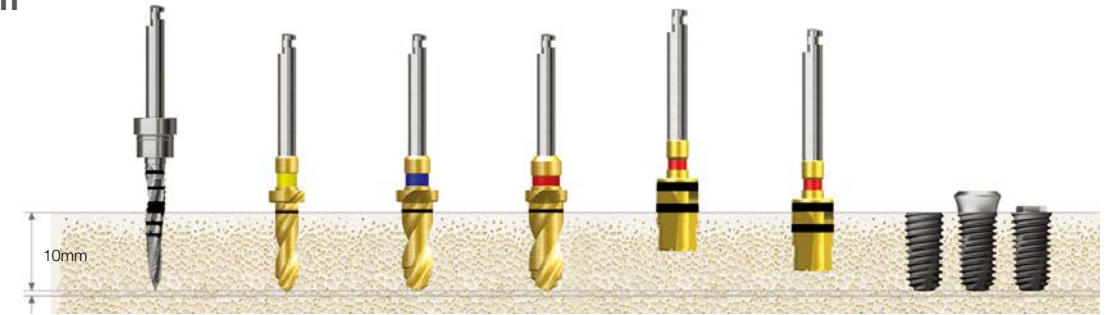
TSIII | SSIII | USIII | KSIII
(Length : 10mm)

Ø3.5mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Cortical Drill (F3.5) Bottom line	Cortical Drill (F3.5) Top line	Ø3.5 Fixture
Soft	▶	▶			
Normal	▶	▶	▶		Implant Placement
Hard	▶	▶		▶	

Ø5.0mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.1)	Twist Drill (Ø3.0/4.6)	Cortical Drill (F5.0) Bottom line	Cortical Drill (F5.0) Top line	Ø5.0 Fixture
Soft	▶			▶			
Normal	▶	▶		▶	▶		Implant Placement
Hard	▶	▶		▶		▶	

Ø4.0mm



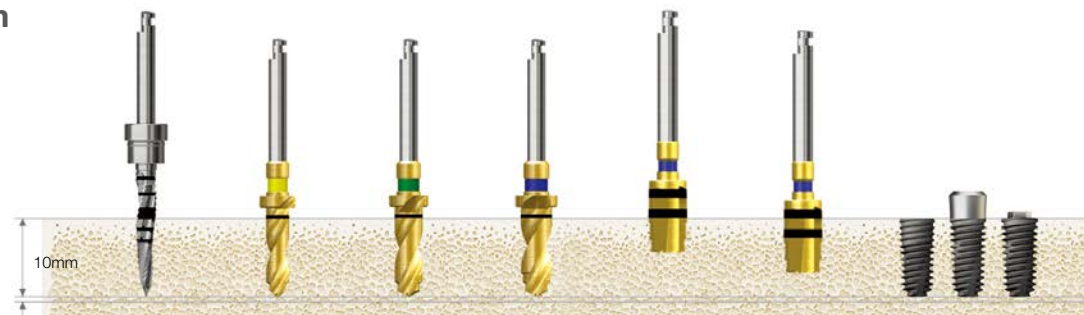
Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/3.6)	Cortical Drill (F4.0) Bottom line	Cortical Drill (F4.0) Top line	Ø4.0 Fixture
Soft	▶	▶				
Normal	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶		▶	

Ø5.5mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.6)	Cortical Drill (F5.5) Bottom line	Cortical Drill (F5.5) Top line	Ø5.5 Fixture
Soft	▶	▶	▶			
Normal	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶		▶	

Ø4.5mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/3.6)	Twist Drill (Ø3.0/4.1)	Cortical Drill (F4.5) Bottom line	Cortical Drill (F5.0) Top line	Ø4.5 Fixture
Soft	▶		▶				
Normal	▶	▶		▶	▶		Implant Placement
Hard	▶	▶		▶		▶	

Drilling Sequence **Ultra-wide 123 Twist Drill**

TSII Ultra-wide | **SSII Ultra-wide** | **USII Ultra-wide**
 (Length : 10mm)

Ø6.0mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.6)	Twist Drill (Ø4.6/5.2)	Twist Drill (Ø4.6/5.5)	Cortical Drill (F6.0)	Ø6.0 Fixture
Soft	▶	▶	▶	▶			
Normal	▶	▶	▶		▶		Implant Placement
Hard	▶	▶	▶		▶	▶	

Ø7.0mm

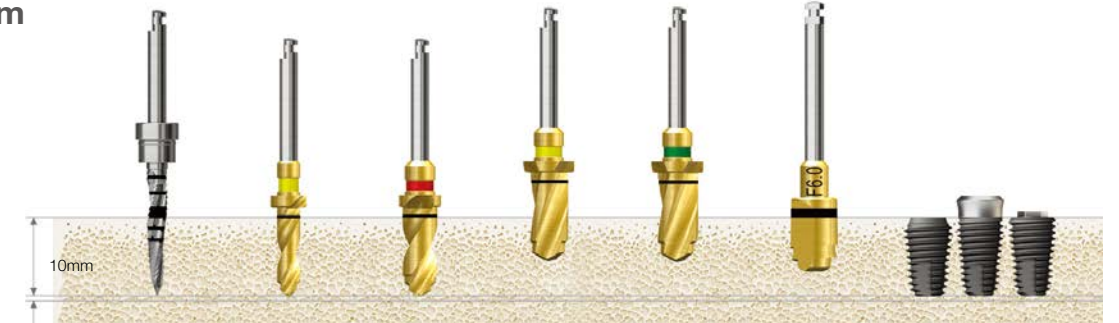


Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.6)	Twist Drill (Ø4.6/5.5)	Twist Drill (Ø4.6/5.5) (F7.0 Soft)	Twist Drill (Ø5.5/6.5)	Cortical Drill (F7.0)	Ø7.0 Fixture
Soft	▶	▶	▶	▶	▶			
Normal	▶	▶	▶	▶		▶		Implant Placement
Hard	▶	▶	▶	▶		▶	▶	

Drilling Sequence **Ultra-wide 123 Twist Drill**

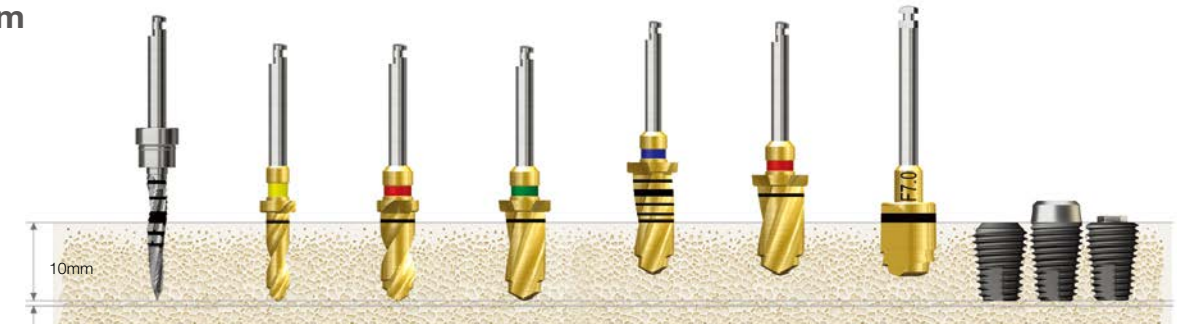
TSIII Ultra-wide | **SSIII Ultra-wide** | **USIII Ultra-wide**
KSIII Ultra-wide
 (Length : 10mm)

Ø6.0mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.6)	Twist Drill (Ø4.6/5.2)	Twist Drill (Ø4.6/5.5)	Cortical Drill (F6.0)	Ø6.0 Fixture
Soft	▶	▶	▶	▶	▶(6mm)		
Normal	▶	▶	▶		▶(6mm)		Implant Placement
Hard	▶	▶	▶		▶(6mm)	▶	

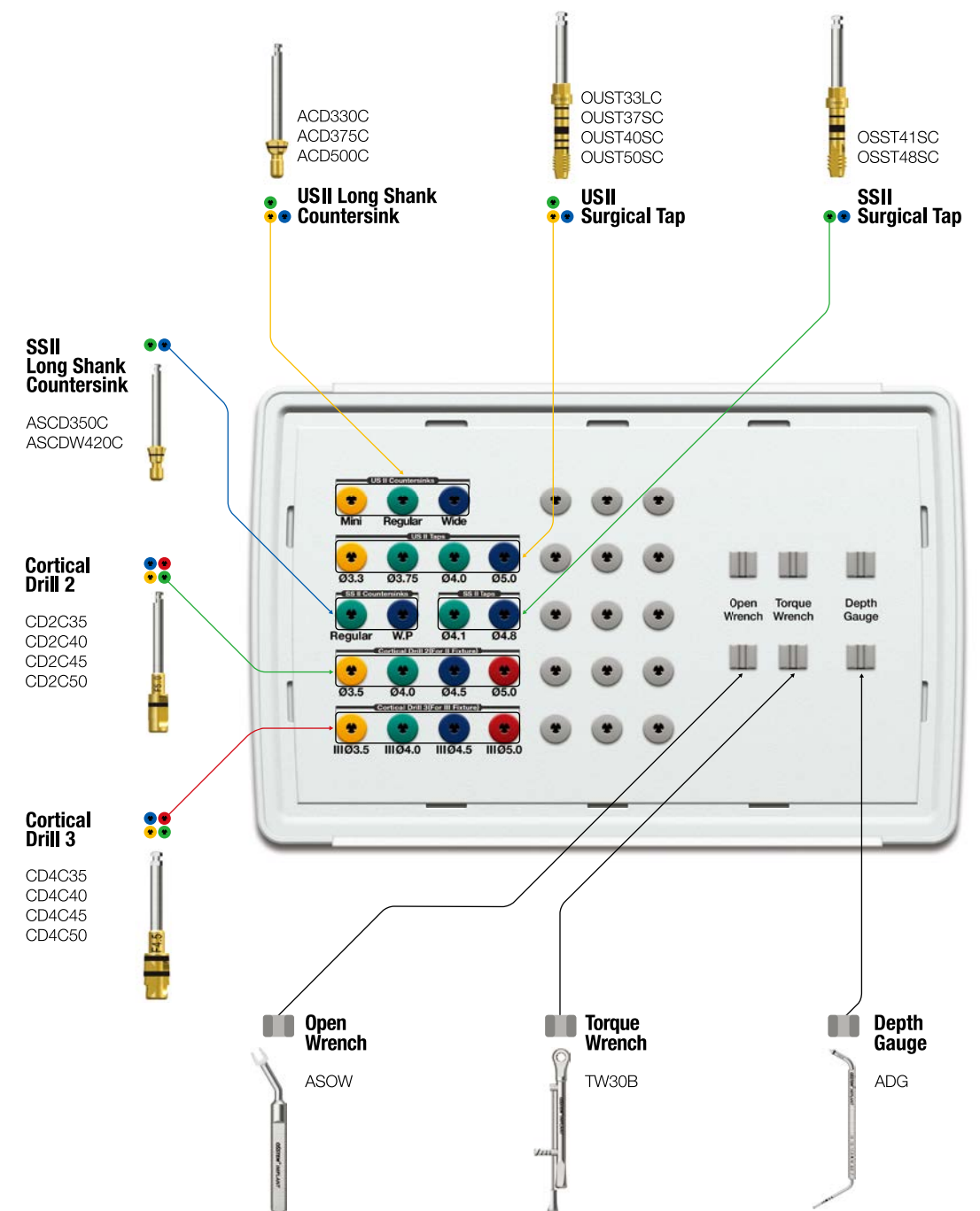
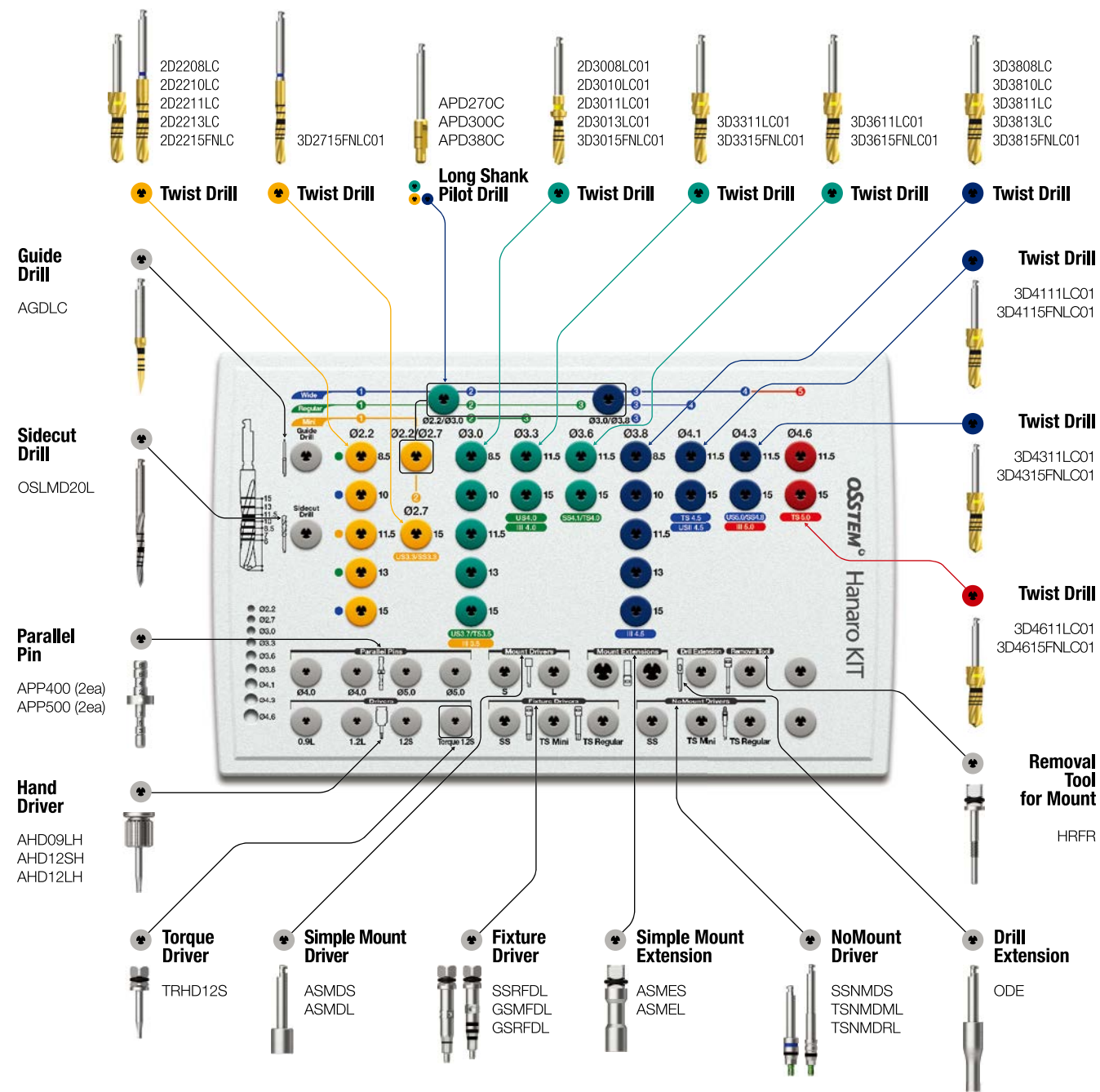
Ø7.0mm



Bone Quality	Guide Drill	Twist Drill (Ø2.2/3.0)	Twist Drill (Ø3.0/4.6)	Twist Drill (Ø4.6/5.5)	Twist Drill (Ø5.5/6.2) (F7.0 Soft)	Twist Drill (Ø5.5/6.5)	Cortical Drill (F7.0)	Ø7.0 Fixture
Soft	▶	▶	▶	▶	▶(6mm)			
Normal	▶	▶	▶	▶		▶(6mm)		Implant Placement
Hard	▶	▶	▶	▶		▶(6mm)	▶	

New Hanaro KIT (HKA2) 03.2013

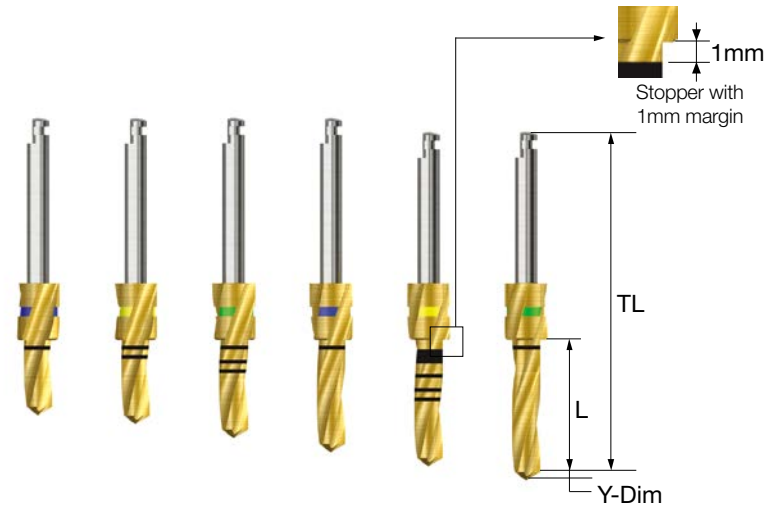
For **TSII / III** **SSII / III** **USII / III** **KSIII**



New Hanaro KIT Surgical Instruments

Twist Drill (Stopper Drill) ^{12.2012}

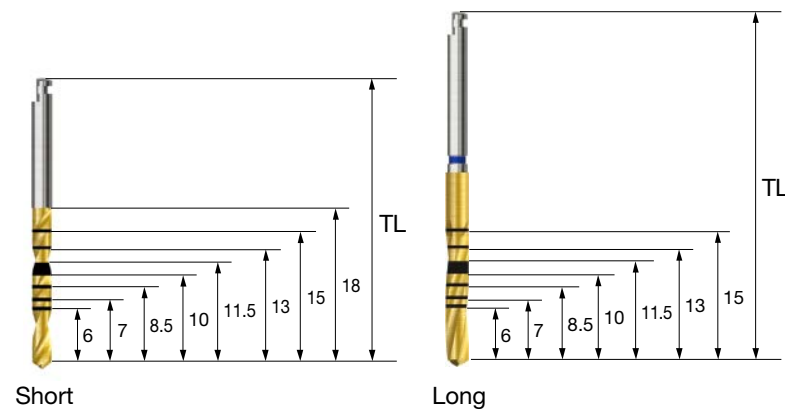
- Long stopper (6mm)
- Enabling a procedure without drill
- Color coded stopper indicating the drill length



L	TL	D	Ø2.2	Ø3.0	Ø3.3	Ø3.6	Ø3.8	Ø4.1	Ø4.3	Ø4.6
			Y-Dim	0.6	0.9	1.0	1.0	1.0	1.0	1.0
6	30.5	2D2206LC	3D3006LC	-	-	3D3806LC	-	-	-	-
7	31.5	2D2207LC01	3D3007LC01	-	-	3D3807LC01	-	-	-	-
8.5	33	2D2208LC01	3D3008LC01	-	-	3D3808LC01	-	-	-	-
10	34.5	2D2210LC01	3D3010LC01	-	-	3D3810LC01	-	-	-	-
11.5	34.5	2D2211LC01	3D3011LC01	3D3311LC01	3D3611LC01	3D3811LC01	3D4111LC01	3D4311LC01	3D4611LC01	-
13	36	2D2213LC01	3D3013LC01	-	-	3D3813LC01	-	-	-	-

Twist Drill (Non-Stopper Drill) ^{01.2009}

- Used for limited Stopper Drill access into the oral cavity
- Refer to the Non-stopper Drill image for marking drill marking line sizes for Short/Long types



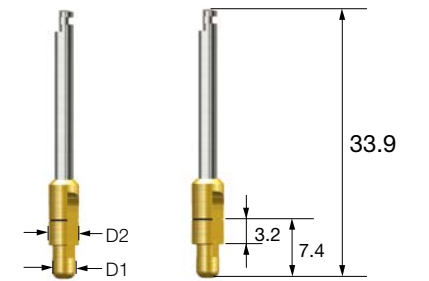
TL	D	Ø1.5	Ø2.0	Ø2.2	Ø2.7	Ø3.0	Ø3.3
		33	2D1518FNLC	2D2018FNLC	2D2218FNLC	3D2718FNLC	3D3018FNLC
41	-	-	2D2215FNLC01	3D2715FNLC01	3D3015FNLC01	3D3315FNLC01	

TL	D	Ø3.6	Ø3.8	Ø4.1	Ø4.3	Ø4.6
		33	3D3618FNLC	3D3818FNLC	3D4118FNLC	3D4318FNLC
41	3D3615FNLC01	3D3815FNLC01	3D4115FNLC01	3D4315FNLC01	3D4615FNLC01	

Long Shank Pilot Drill ^{01.2009}

- Used for adjusting the drilling hole path
- Previous drilling path maintained for the next drill

D1 / D2	Ø2.0 / 2.7	Ø2.0 / 3.0	Ø3.0 / 3.8	Ø3.0 / 4.1
	APD270C	APD300C	APD380C	APD410C



Cortical Drill 2 (TSII, SSII SA) ^{01.2009}

- Drill used for removing cortical bone from hard bone (for II type)
- Dedicated drills available for each fixture diameter
- Drilling up to the bottom marking line recommended
- F = Fixture

F3.5	F4.0	F4.5	F5.0
CD2C35	CD2C40	CD2C45	CD2C50



Cortical Drill 3 (Taper Fixture TSIII, SSIII, USIII, KSIII) ^{03.2014}

- Drill used for expanding the cortical bone after using the Straight Drill
- Used after forming the final drill hole in normal or harder bone
- Dedicated drills available for each fixture diameter
- Bottom marking line for normal bone, and top marking line for hard bone
- Drilling up to the lower marking line recommended

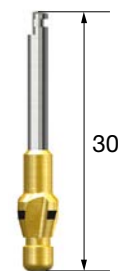
F3.0	F3.5	F4.0	F4.5	F5.0	F5.5
CD4C30	CD4C35	CD4C40	CD4C45	CD4C50	CD4C55



Countersink (USIII, USII SA, USIII SA Wide PS, Wide) ^{01.2009}

- Dedicated drill for expanding the placement hole opening for US Fixtures
- wide PS and wide of USIII, USII SA, and USIII SA
- Recommended speed : 300rpm

USSCS45W



New Hanaro KIT Surgical Instruments

Straight Fixture Tap

(TSII, USII, SSII SA) 02.2016

- Dedicated tap for Straight Fixtures (II type)
- Used for hard bones, forming fixture thread shape
- Torque wrench used after connecting to the engine (25rpm recommended) or a mount extension
- Tapping up to the bottom marking line recommended
- F = Fixture



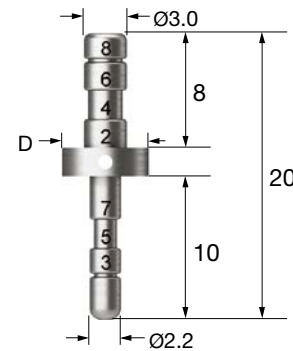
F3.5	F4.0	F4.5	F5.0
O2FTS35	O2FTS40	O2FTS45	O2FTS50

Parallel Pin 01.2013

- Used for checking the position and direction of bone preparation

D	Ø4.0	Ø5.0	Ø6.0	Full Set
	APP400	APP500	APP600	APPS

※ Refer to surgical instruments for other components (from p462)



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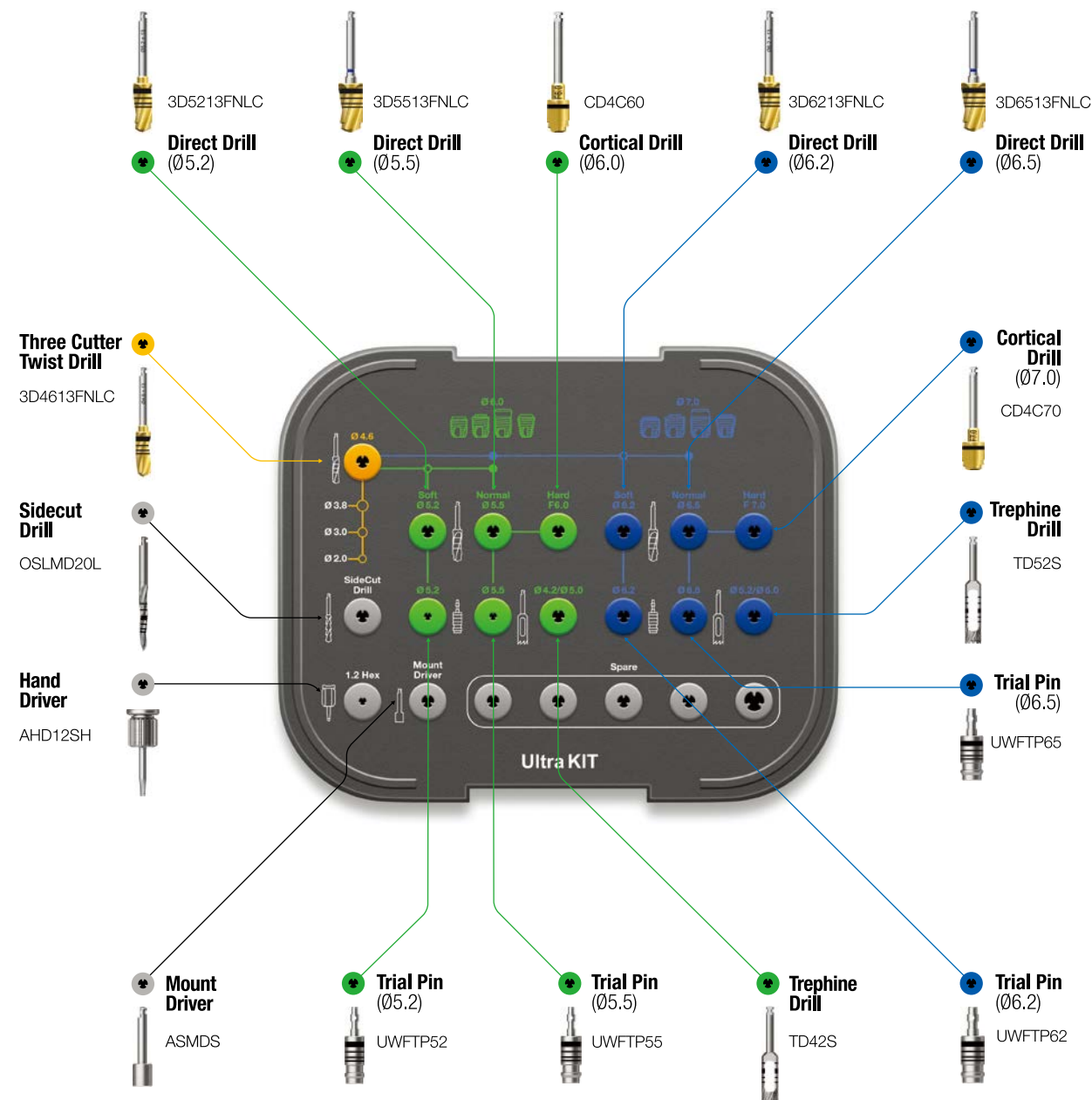
For **Ultra-wide**

Lower panel components

Open Wrench
SPOW

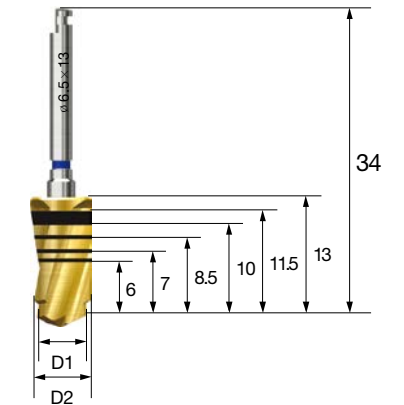


Ratchet Wrench
RCWC



Direct Drill 01.2009

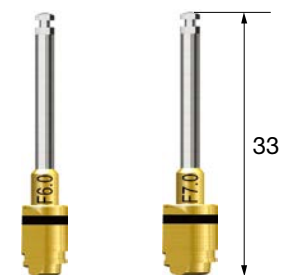
- 2-stage drill with both Pilot and Twist Drill functions
- Enabling final drilling without pilot drilling
- Increased initial fixation stability in a fresh extraction socket with reduced dead space in apex



D1 / D2	Ø4.6 / 5.2	Ø4.6 / 5.5	Ø5.5 / 6.2	Ø5.5 / 6.5
	3D5213FNLC	3D5513FNLC	3D6213FNLC	3D6513FNLC

Cortical Drill (Ultra-wide) 01.2009

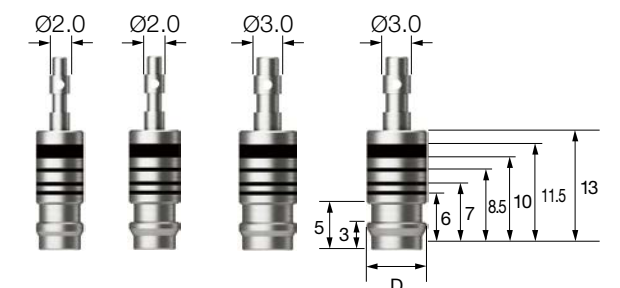
- Drill used for removing cortical bone from hard bone (for Ultra-wide)
- Dedicated drills available for each fixture diameter
- Drilling up to the lower marking line recommended
- F = Fixture



F6.0	F7.0
CD4C60	CD4C70

Trial Pin (Ultra-wide) 01.2009

- Checking the width and depth of a fresh extraction socket or failed implant socket
- Checking the drilling after using a Direct Drill as the final drill
- Used as a Parallel Pin



D	Ø5.2	Ø5.5	Ø6.2	Ø6.5
	UWFTP52	UWFTP55	UWFTP62	UWFTP65

※ Refer to surgical instruments for other components (from p462)

Drilling Sequence II Type Straight Drill

TSII | SSII | USII
(Length : 10mm)

Ø3.5mm



Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø2.7)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Cortical Drill (F3.5)	Straight Fixture Tap (F3.5)	Ø3.5 Fixture
Soft	▶	▶					
Normal	▶		▶	▶			Implant Placement
Hard	▶		▶	▶	▶		
Hard (Option)	▶		▶	▶		▶	

Ø5.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.3)	Twist Drill (Ø4.6)	Cortical Drill (F5.0)	Straight Fixture Tap (F5.0)	Ø5.0 Fixture
Soft	▶	▶	▶	▶	▶	▶				
Normal	▶	▶	▶	▶	▶		▶			Implant Placement
Hard	▶	▶	▶	▶	▶		▶	▶		
Hard (Option)	▶	▶	▶	▶	▶		▶		▶	

Ø4.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Twist Drill (Ø3.3)	Twist Drill (Ø3.8)	Cortical Drill (F4.0)	Straight Fixture Tap (F4.0)	Ø4.0 Fixture
Soft	▶	▶	▶	▶				
Normal	▶	▶	▶		▶			Implant Placement
Hard	▶	▶	▶		▶	▶		
Hard (Option)	▶	▶	▶		▶		▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.1)	Cortical Drill (F4.5)	Straight Fixture Tap (F4.5)	Ø4.5 Fixture
Soft	▶	▶	▶	▶	▶				
Normal	▶	▶	▶	▶	▶	▶			Implant Placement
Hard	▶	▶	▶	▶	▶	▶	▶		
Hard (Option)	▶	▶	▶	▶	▶	▶		▶	

Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone/hard bone, and to the bone level for soft bone to maintain fixation stability
For fixture tap used in hard bone, engine (25rpm recommended) is used or Torque Wrench is used after assembling mount extension

Drilling Sequence III Type Straight Drill

TSIII | SSIII | USIII | KSIII

(Length : 10mm)

Recommended placement torque $\leq 40\text{Ncm}$

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone/hard bone, and to the bone level for soft bone to maintain fixation stability

Ø3.0mm



Bone Quality	Twist Drill (Ø2.2)	Twist Drill (Ø2.7)	Cortical Drill 2 (F3.0)	Ø3.0 Fixture
Soft	▶			
Normal	▶	▶		Implant Placement
Hard	▶	▶	▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Cortical Drill 3 (F4.5)	Cortical Drill 3 (F4.5)	Ø4.5 Fixture
Soft	▶	▶	▶	▶	▶			
Normal	▶	▶	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶	▶	▶		▶	

Ø3.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø2.2)	Cortical Drill 3 (F3.5)	Cortical Drill 3 (F3.5)	Ø3.5 Fixture
Soft	▶	▶	▶			
Normal	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶		▶	

Ø5.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.3)	Cortical Drill 3 (F5.0)	Cortical Drill 3 (F5.0)	Ø5.0 Fixture
Soft	▶	▶	▶	▶	▶				
Normal	▶	▶	▶	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶	▶	▶	▶		▶	

Ø4.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Twist Drill (Ø3.3)	Cortical Drill 3 (F4.0)	Cortical Drill 3 (F4.0)	Ø4.0 Fixture
Soft	▶	▶	▶	▶			
Normal	▶	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶	▶		▶	

Ø5.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6)	Cortical Drill 3 (F5.5)	Cortical Drill 3 (F5.5)	Ø5.5 Fixture
Soft	▶	▶	▶	▶	▶	▶			
Normal	▶	▶	▶	▶	▶	▶	▶		Implant Placement
Hard	▶	▶	▶	▶	▶	▶		▶	

Drilling Sequence IV Type Straight Drill

TSIV | USIV
(Length : 10mm)

Ø4.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Twist Drill (Ø3.0 Half)	Ø4.0 Fixture
D4	▶				Implant Placement
Soft	▶	▶	▶	▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.1 Half)	Ø4.5 Fixture
D4			▶				Implant Placement
Soft	▶	▶	▶	▶	▶	▶	

Ø5.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6 Half)	Ø5.0 Fixture
D4			▶				Implant Placement
Soft	▶	▶	▶	▶	▶	▶	

Drilling Sequence Ultra-wide Straight Drill

TSII Ultra-wide | SSII Ultra-wide | USII Ultra-wide
(Length : 10mm)

Ø6.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6)	Direct Drill (Ø5.2)	Direct Drill (Ø5.5)	Cortical Drill (F6.0)	Ø6.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶			Implant Placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

Ø7.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6)	Direct Drill (Ø5.5)	Direct Drill (Ø6.2)	Direct Drill (Ø6.5)	Cortical Drill (F7.0)	Ø7.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶	▶			Implant Placement
Normal	▶	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶	▶		▶	▶	

Recommended placement torque ≤ 40Ncm

TSIV/USIV Fixtures are dedicated implants for maxillary sinus or soft bone, not guiding normal or harder bones

Reducing the speed to 15rpm or lower recommended for placement as the placement speed is too fast for TSIV/USIV Fixtures due to large thread pitch

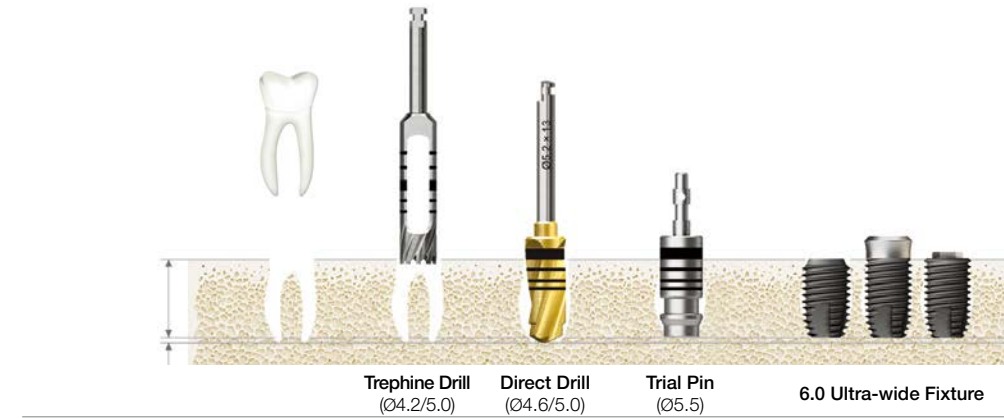
Drilling Sequence **Ultra-wide Straight Drill**

TSII Ultra-wide | **SSII Ultra-wide** | **USII Ultra-wide**
 (Length : 10mm)

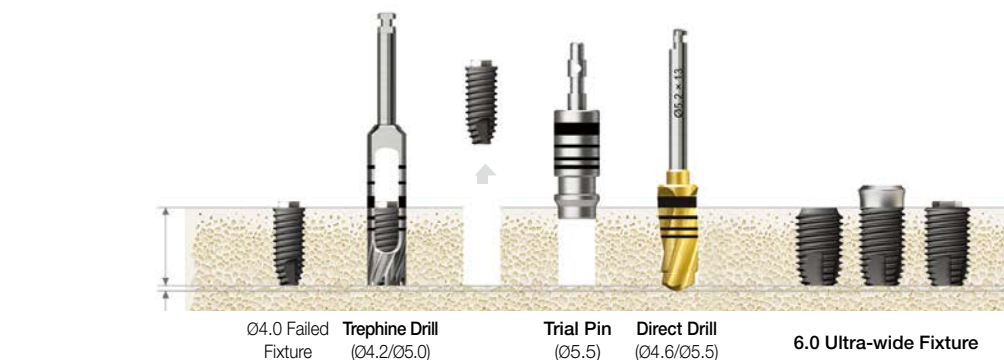
Ø6.0mm
 Drilling sequence with trephine in the healed mature bone



Immediate placement at the extraction socket



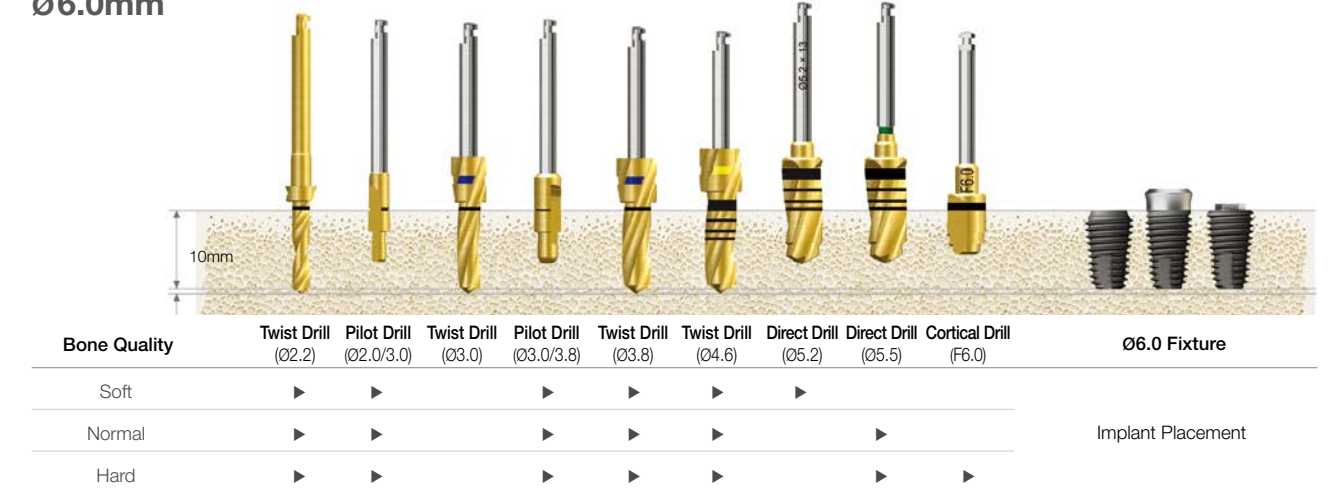
Immediate replacement of the failed implant



Drilling Sequence **Ultra-wide Straight Drill**

TSIII Ultra-wide | **SSIII Ultra-wide** | **USIII Ultra-wide**
KSIII Ultra-wide
 (Length : 10mm)

Ø6.0mm



Ø7.0mm



Recommended placement torque ≤ 40Ncm

TS Fixture placed to a depth 1mm deeper than the bone level for normal bone/hard bone, and to the bone level for soft bone to maintain fixation stability

Drilling Sequence **Ultra-wide Straight Drill**
TSIV Ultra-wide | **USIV Ultra-wide**
 (Length : 10mm)

Ø6.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6)	Direct Drill (Ø5.2)	Ø6.0 Fixture
D4	▶	▶			▶			Implant Placement
Soft	▶	▶	▶		▶		▶	

Ø7.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill (Ø2.0/3.0)	Twist Drill (Ø3.0)	Pilot Drill (Ø3.0/3.8)	Twist Drill (Ø3.8)	Twist Drill (Ø4.6)	Direct Drill (Ø5.5)	Direct Drill (Ø6.2)	Ø7.0 Fixture
D4	▶	▶			▶	▶			Implant Placement
Soft	▶	▶	▶	▶	▶	▶	▶	▶	

OSSTEM[®]
IMPLANT

485 KIT (O485K) 03.2018

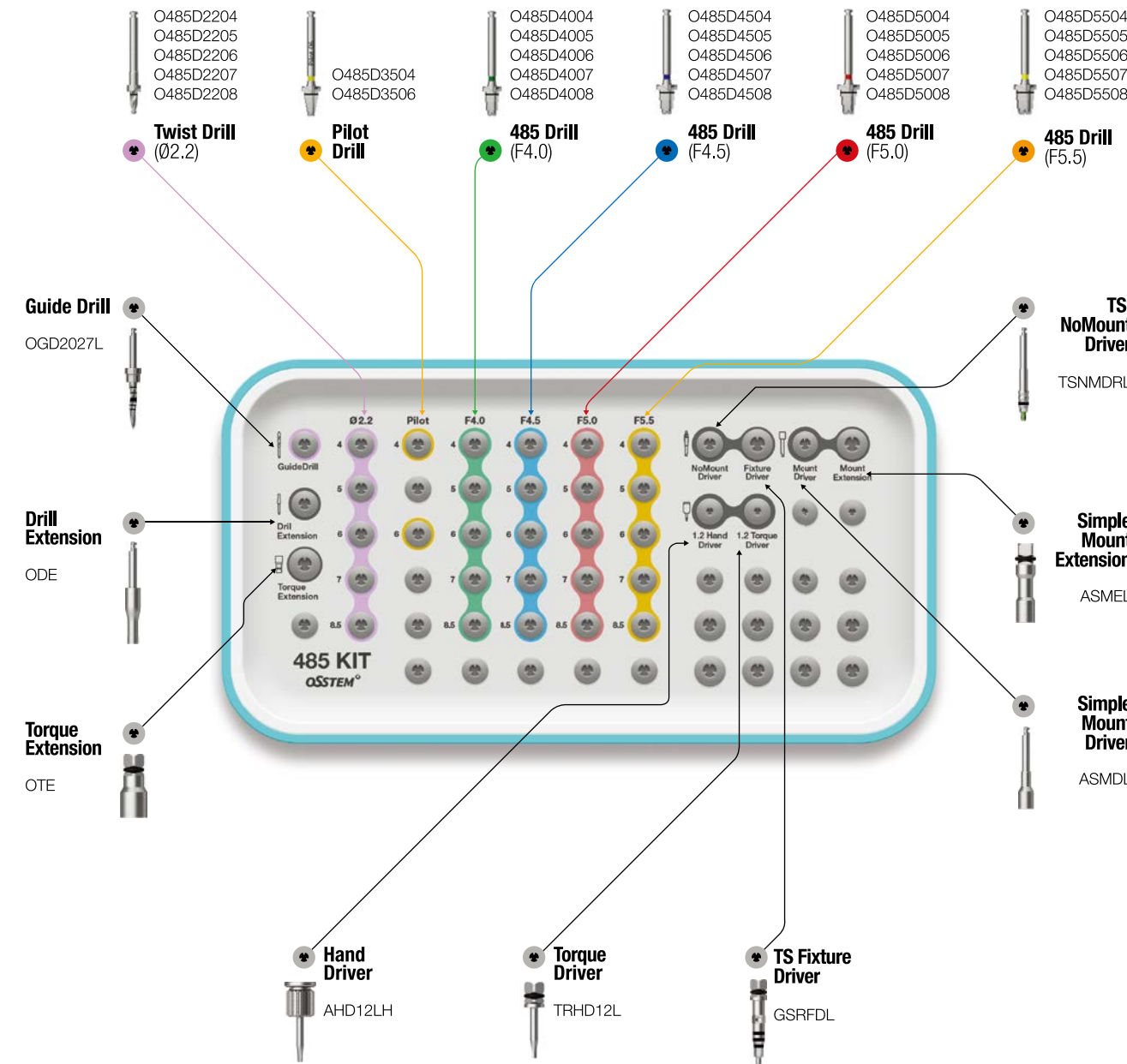
For **TSIII** **SSIII** **USIII** **KSIII**

Lower panel components

Torque Wrench
TW30B



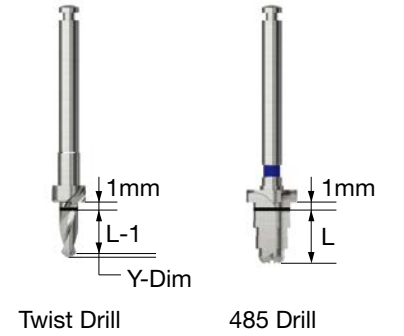
Depth Gauge
OSDG



485 KIT Surgical Instruments

485 Drill

- Drill for placing short implants in alveolar bone lacking in vertical height
- Ø2.2 drill : Straight Drill
- Top blade of other drill in the shape of CAS Drill, and the side blade in the shape of Taper Drill
- Stopper Drill with 1mm margin
- Recommended speed : 800~1,200rpm



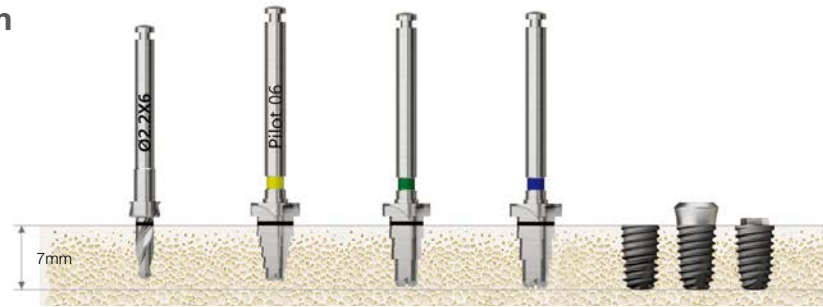
L \ Type	Ø2.2	Pilot	F4.0	F4.5	F5.0	F5.5
4.0	O485D2204	O485D3504	O485D4004	O485D4504	O485D5004	O485D5504
5.0	O485D2205	-	O485D4005	O485D4505	O485D5005	O485D5505
6.0	O485D2206	O485D3506	O485D4006	O485D4506	O485D5006	O485D5506
7.0	O485D2207	-	O485D4007	O485D4507	O485D5007	O485D5507
8.5	O485D2208	-	O485D4008	O485D4508	O485D5008	O485D5508

※ Refer to surgical instruments for other components (from p462)

Drilling Sequence **485 Drill**

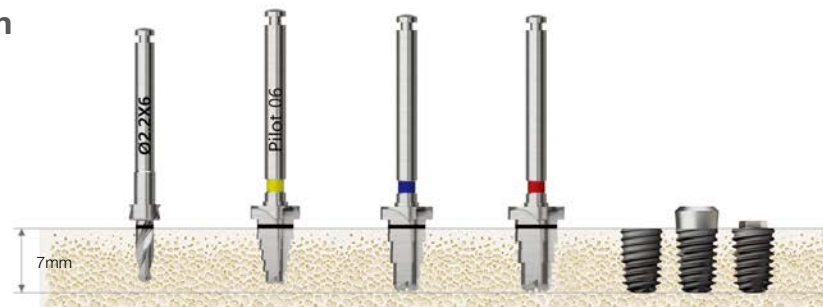
TSIII | SSIII | USIII | KSIII
 (Length : 7mm)

Ø4.0mm



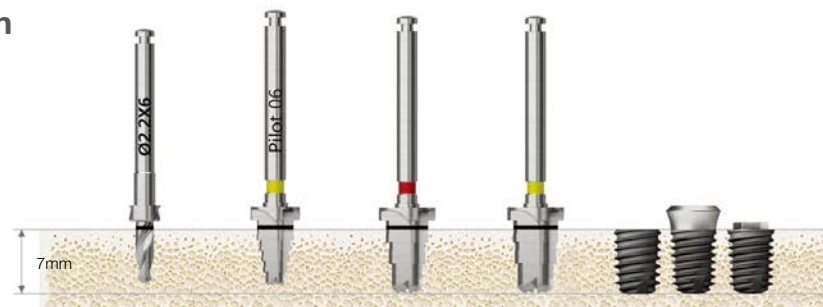
Bone Quality	Twist Drill (Ø2.2)	Pilot Drill	485 Drill (F4.0)	485 Drill (F4.5)	Ø4.0 Fixture
Normal	▶	▶	▶		Implant Placement
Hard	▶	▶		▶	

Ø4.5mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill	485 Drill (F4.5)	485 Drill (F5.0)	Ø4.5 Fixture
Normal	▶	▶	▶		Implant Placement
Hard	▶	▶		▶	

Ø5.0mm



Bone Quality	Twist Drill (Ø2.2)	Pilot Drill	485 Drill (F5.0)	485 Drill (F5.5)	Ø5.0 Fixture
Normal	▶	▶	▶		Implant Placement
Hard	▶	▶		▶	

OSSTEM[®]
 IMPLANT

Surgical Instruments

123 Guide Drill

- Drill for forming a hole to facilitate initial drilling
- Facilitating drilling depth adjustment by assembling a stopper
- Included in 122 Taper KIT only (not included in Taper KIT)

D	Ø2.0
OGD2027L	



Drill Extension

- Extending the length of a drill or other hand piece tool (drill extended by 16.9mm)
- Risk of bending or fracture upon exerting excessive force on inadequate assembly
- Common component of Taper KIT and Straight KIT

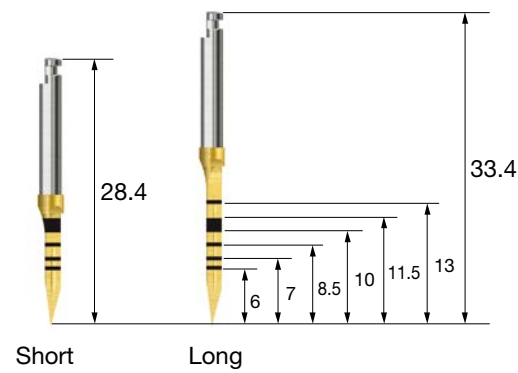
L (Extension)	16.9
ODE	



Lance Drill (Guide Drill)

- Forming a hole to facilitate initial drilling
- Bone density determined through drilling
- Included in Taper KIT only (not included in 122 Taper KIT)

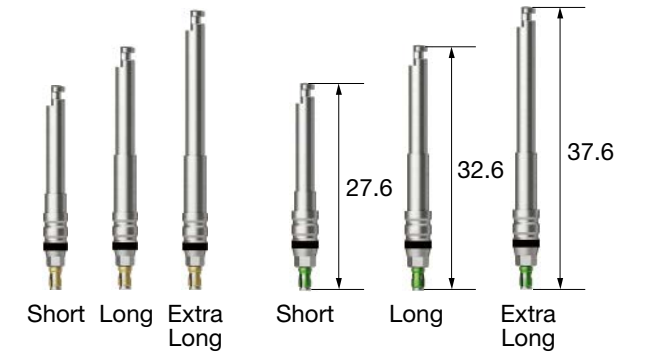
L	Short	Long
	AGDSC	AGDLC



TS NoMount Driver 05.2012

- Driver directly connected to the fixture upon placing with a surgical hand piece
- C = Connection

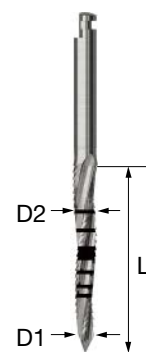
L \ C	Mini	Regular
Short	TSNMDMS	TSNMDRS
Long	TSNMDML	TSNMDRL
Ex.Long	TSNMDME	TSNMDRE



Sidecut Drill

- Drill to remove the side parts with the cutting edge of the body
- Used to remove the ridge of a fresh extraction socket
- Facilitating site preparation of a fresh extraction socket
- Included in Taper KIT only (not included in 122 Taper KIT)

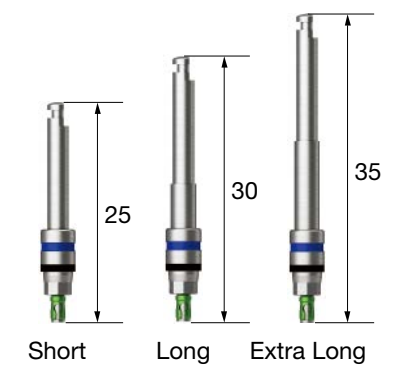
L \ D1/D2	Ø1.5 / 2.0	Ø2.0 / 2.5	Ø3.0 / 3.5
13	OSLMDS	OSLMD20S	-
16.5	-	-	OSLMD30L
20	OSLMDL	OSLMD20L	-



SS NoMount Driver 09.2014

- Driver directly connected to the fixture upon placing with a surgical hand piece
- C = Connection

L \ C	Regular / Wide
Short	SSNMDS
Long	SSNMDL
Ex.Long	SSNMDE

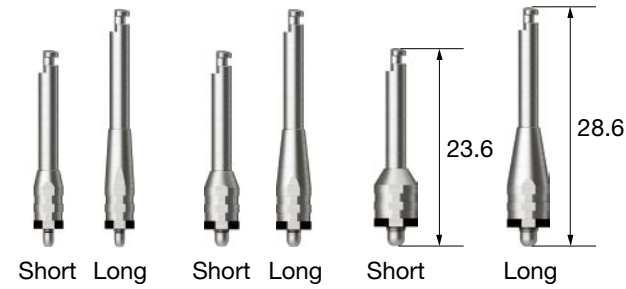


Surgical Instruments

US NoMount Driver ^{12.2009}

- Driver directly connected to the fixture upon placing with a surgical hand piece
- C = Connection

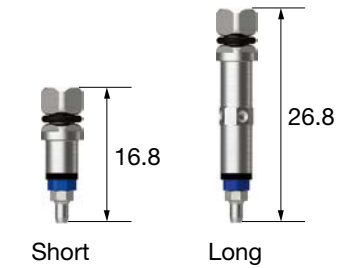
L \ C	Mini	Regular	Wide
Short	USNMD35MS	USNMD41RS	USNMD51WS
Long	USNMD35ML	USNMD41RL	USNMD51WL



SS NoMount Torque Driver ^{01.2009}

- Driver directly connected to the fixture upon placing with a wrench
- Be sure to use it after confirming an adequate assembly (Risk of fracture even at low torque when inadequately assembled)
- Note that it cannot be removed in case of fracture
- C = Connection

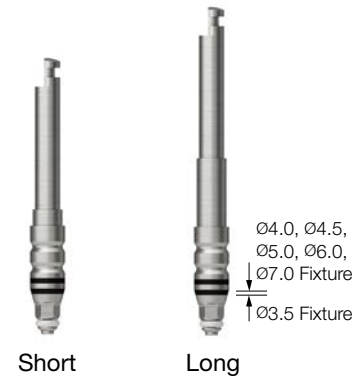
L \ C	Regular / Wide
Short	SSNMT39S
Long	SSNMT39L



KS NoMount Driver ^{10.2019}

- Driver directly connected to the fixture upon placing with a surgical hand piece
- Ø3.5 Fixtures assembled below the bottom marking; and Ø4.0, Ø4.5, Ø5.0, Ø6.0 and Ø7.0 Fixtures assembled above the bottom marking
- Distance between laser markings and laser marking are divided into 0.5mm
- C = Connection

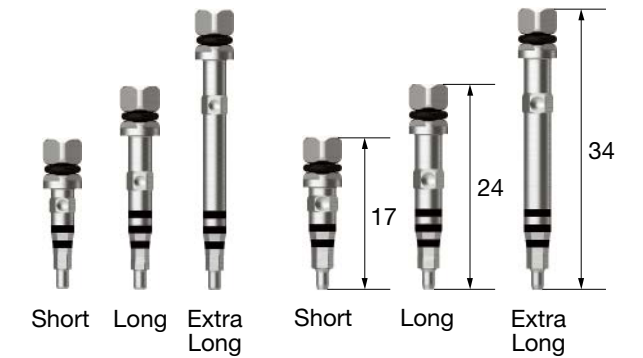
L \ C	Regular
Short	KSNMDS
Long	KSNMDL



TS Fixture Driver ^{11.2014}

- Used by assembling directly to the fixture for final placement depth adjustment or removal
- C = Connection

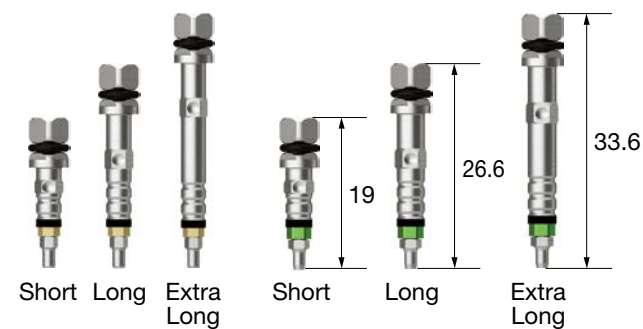
L \ C	Mini	Regular
Short	GSMFDS	GSRFDS
Long	GSMFDL	GSRFDL
Ex.Long	GSMFDE	GSRFDE



TS NoMount Torque Driver ^{12.2009}

- Driver directly connected to the fixture upon placing with a wrench
- Be sure to use it after confirming an adequate assembly (Risk of fracture even at low torque when inadequately assembled)
- Note that it cannot be removed in case of fracture
- C = Connection

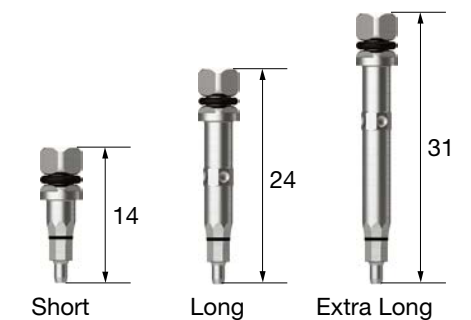
L \ C	Mini	Regular
Short	GSNMT32S	GSNMT35S
Long	GSNMT32L	GSNMT35L
Ex.Long	GSNMT32E	GSNMT35E



SS Fixture Driver ^{12.2014}

- Used by assembling directly to the fixture for final placement depth adjustment or removal
- C = Connection

L \ C	Regular / Wide
Short	SSRFDS
Long	SSRFDL
Ex.Long	SSRFDE



Surgical Instruments

US Fixture Driver ^{01.2009}

- Used by assembling directly to the fixture for final placement depth adjustment or removal
- C = Connection

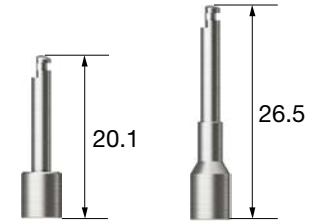
C	Mini	Regular	Wide
	USMFDL	USRFDL	USWFDL



Simple Mount Driver ^{01.2009}

- Used by assembling to the simple mount for fixture placement

L	
Short	ASMDS
Long	ASMDL



KS Fixture Driver ^{10.2019}

- Used by assembling directly to the fixture for final placement depth adjustment or removal
- C = Connection

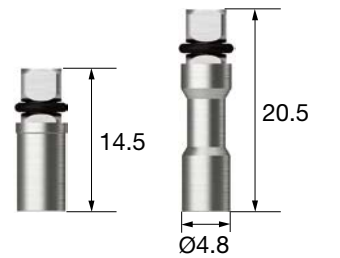
L	C	Regular
Short		KSFDS
Long		KSFDL



Simple Mount Extension ^{12.2014}

- Used by connecting to a wrench for extending the simple mount length or applying torque manually

L	
Short	ASMES
Long	ASMEL



Torque Extension ^{12.2013}

- Extending the length of the instrument used by connecting to a wrench (10mm extension)

	OTE
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Simple Open Wrench ^{01.2009}

- Used for removing a simple mount from weak bone
- Easy placement into the oral cavity with 30°

	ASOW
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Surgical Instruments

Removal Tool (Fixture Mount) ^{01.2009}

- Used after removing mount screw in case of jamming between the fixture and mount
- Used by assembling to driver handle and Torque Wrench
- Removing mount by rotating FWD after inserting vertically
- App = Application



App	Mini (TS,US)	Regular (TS,SS,US)	Wide (SS)	Wide (US)
	ERFM	HRFR		ERFW

Depth Gauge

- Used for measuring the drilling depth (7-15mm) or as an open wrench
- Common component of 122 Taper & Taper KIT

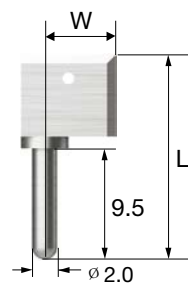


OSDG	
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Positioning Guide ^{01.2009}

- Instrument to facilitate drilling interval setting for fixture placement
- Placed into the hole for use after initial drilling
- Packing unit : each component or the set

W/L	2.5 / 21.5	6.0 / 17.5	11 / 17.5
	APG201	APG202	APG203



Tissue Height Gauge (TS) ^{01.2009}

- Instrument to measure the gingival height by assembling to the fixture connection for top G/H selection in TS implant placement



HGTSHG	
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Ratchet Wrench ^{01.2009}

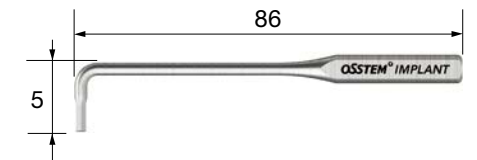
- Dedicated wrench for anti-reverse procedure
- Excessive torque exertion may result in internal damage to bone or fixture



CITQW-1185A	
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L-Wrench ^{10.2013}

- 1.2 hex driver for overcoming narrow spacing
- Torque indication : 5~8Ncm torque at the level when the wrench appears to be bent a little (within 10°)



LWC	
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Torque Wrench (Spring Type) ^{06.2012}

- Wrench to apply a constant torque (10/20/30Ncm) to screws and abutments
- When the set torque is applied, the neck of the Torque Wrench is bent for indication
- If a continuous force is applied while the neck is bent, excessive torque is applied, resulting in screw fracture



TW30	
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Torque Wrench (Bar Type) ^{05.2012}

- Used for adjusting the implant placement position and tightening screws and abutments
- Applying torque according to the line marked with the torque value to be applied by pulling the bar



TW30B	
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Surgical Instruments

Torque Wrench Set ^{11.2015}

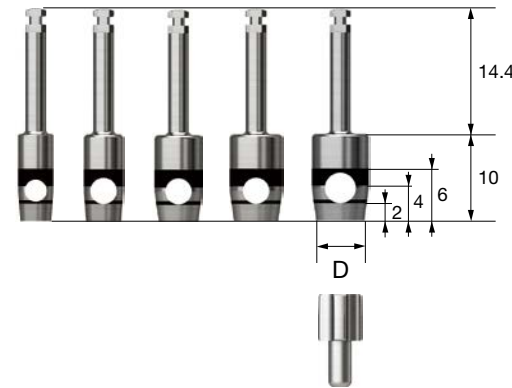
- A set of a two-way Torque Wrench and a Torque Connector
- Applying forward/reverse torque by rotating the Torque Wrench handle without removing the connector
- Compatible with osstem machine driver connector
- Applying torque according to the line marked with the torque value to be applied by pulling the bar
- Packing unit : changeable Torque Wrench + Torque Connector



MX30

Tissue Punch ^{09.2011}

- Instrument used for flapless surgery
- Marked at 2mm intervals for measuring gingival height
- Packing unit : Tissue Punch + Guide pin
- ※ Using a Tissue Punch with a smaller diameter than the Healing Abutment recommended



D	Ø3.3	Ø3.8	Ø4.3	Ø4.8	Ø5.3
	OSTP33	OSTP38	OSTP43	OSTP48	OSTP53
TS	Ø 4.0/4.5	Ø 4.5/5.0	Ø 5.0	Ø 6.0	Ø 6.0
SS	-	Ø 4.8	-	Ø 6.0	Ø 6.0
US	Ø 4.0	Ø 5.0	Ø 5.0	Ø 6.0	Ø 6.0

For application Healing Abutment

Bone Profiler (TS) ^{01.2009}

- Used for removing bone around the fixture for the 1st and 2nd stage surgery
- Used by connecting a guide screw to the fixture and removing bone to compensate for the shape of the Healing Abutment
- Guide Screw protecting the morse taper entrance of the fixture
- Packing unit : Bone Profiler + Guide Screw
- C = Connection



C \ D (Healing Abutment)	Ø4.5	Ø5.5	Ø6.5 / 7.5
Mini / Regular	GSBP45	GSBP55	GSBP75
	Mini + Regular Guide Screw	Mini + Regular Guide Screw	Regular Guide Screw

Bone Profiler (US) ^{01.2009}

- Used for removing bone formed around the cover screw for the secondary procedure
- Used by connecting a guide screw to the fixture to compensate for the shape of the Healing Abutment
- Guide Screw protecting the fixture hex
- Packing unit : Bone Profiler + Guide Screw
- P = Platform

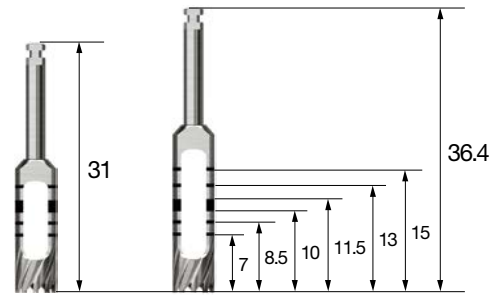


D \ P	Mini	Regular	Wide	T-type
Ø4.0	ABPM400C	-	-	-
Ø5.0	ABPM500C	ABPR500C	-	-
Ø6.0	-	ABPR600C	ABPW600C	TBPW600C
Ø7.0	-	-	ABPW700C	-

Surgical Instruments

Trepine Drill ^{01.2009}

- Used for collecting bone or for removing damaged or failed fixtures
- Used for removing septal bone
- Used as an Initial Drill for ultra-fixture placement



L \ D (Inner / Outer)	3.7 / 4.5	4.2 / 5.0	4.7 / 5.5	5.2 / 6.0	5.7 / 6.5	6.2 / 7.0
Short	TD37S	TD42S	TD47S	TD52S	TD57S	TD62S
Long	TD37	TD42	TD47	TD52	TD57	TD62

Anterior Hand Driver (Implant) ^{12.2014}

- Instrument for manual placement in anterior region
- Used by connecting to a NoMount Torque Driver or Fixture Driver
- Excessive torque may result in fracture of the fixture or driver



AHDI

472

Machine Driver Handle ^{12.2013}

- Enabling hand rotation by connecting to any surgical instrument for engine



OMDH

Torque Handle ^{11.2015}

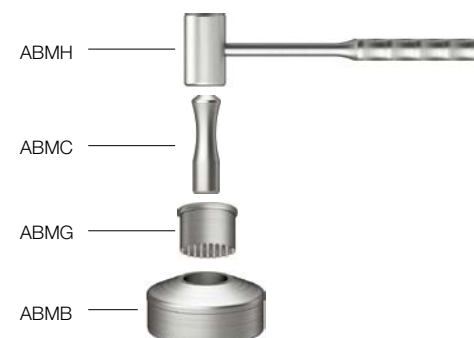
- Manual instrument used by connecting to the contra-angle hand piece (1:1 gear ratio for hand piece)
- Used for tightening screws such as Healing Abutment, Cover Screw, Abutment Screw and Orthodontic Screw (used for temporary tightening of Abutment Screw, which requires final tightening with a Torque Wrench)
- Excessive torque may result in fracture or malfunction of the hand piece



TQHD

Bone Mill ^{01.2009}

- Forming particulate bone with collected autogenous bone



ABM

473

OSSTEM KIT

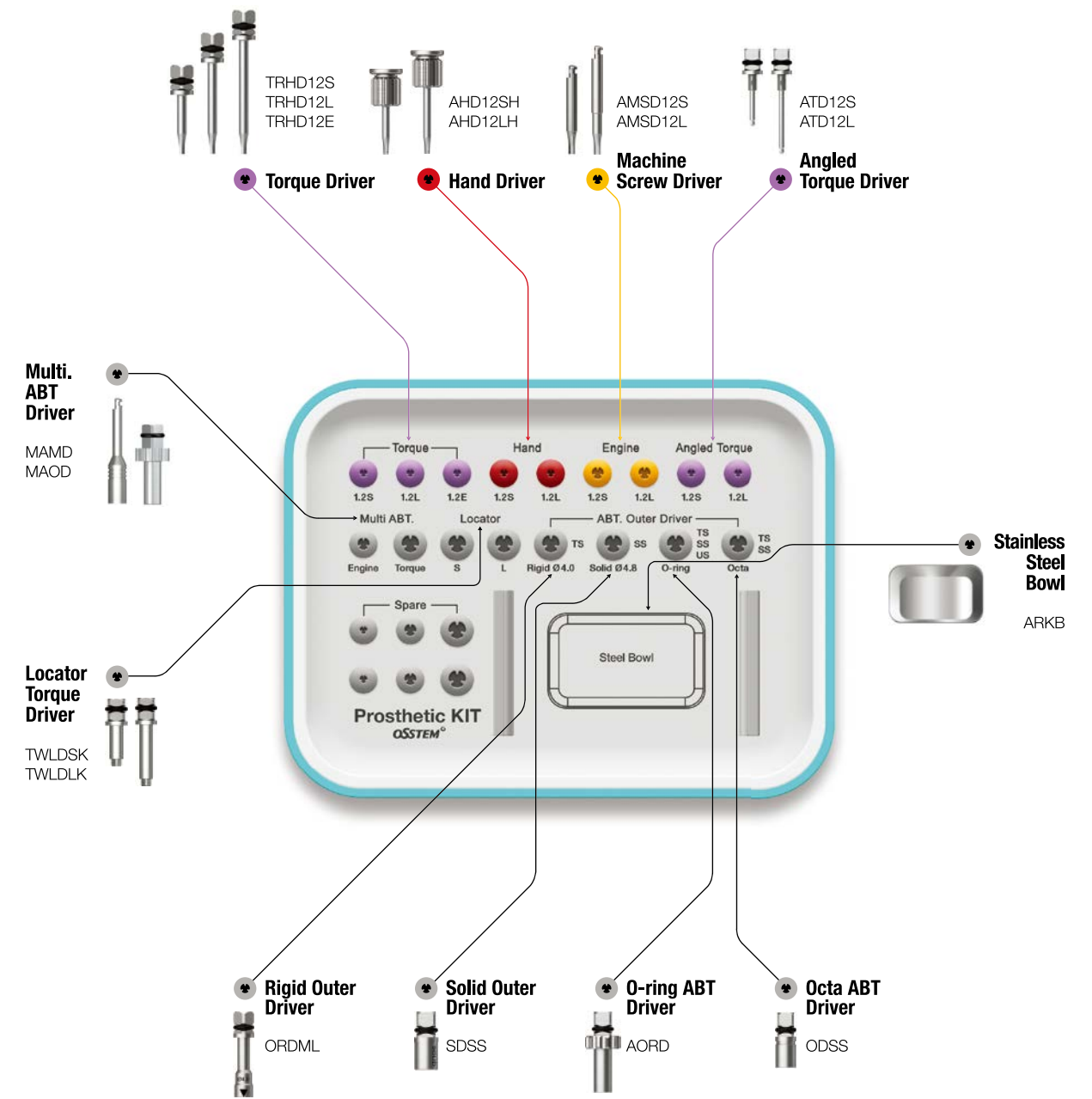
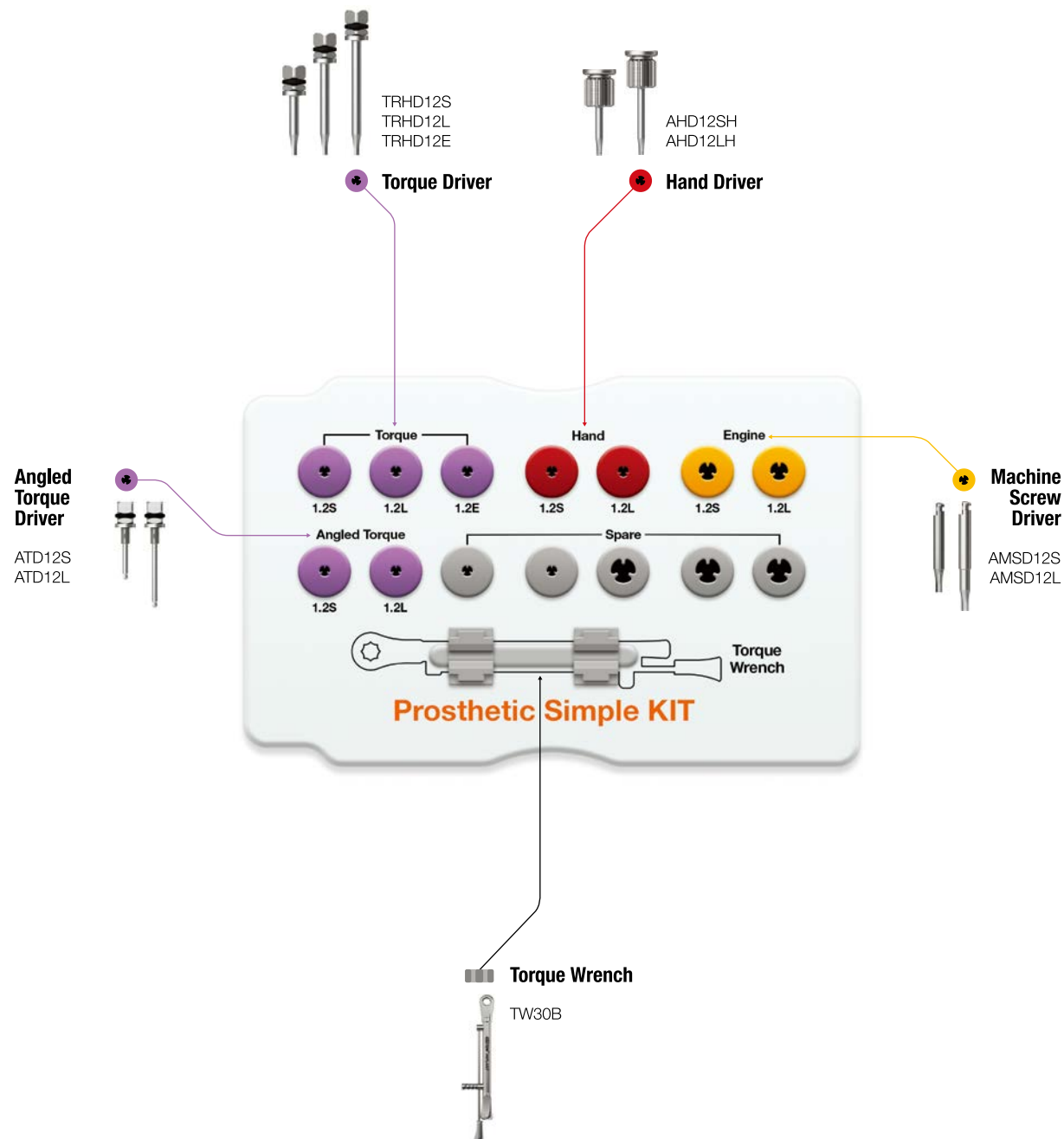
OSSTEM KIT

Prosthetic Simple KIT (OPSK) 02.2017

Prosthetic KIT (OPK) 05.2018

Top panel components

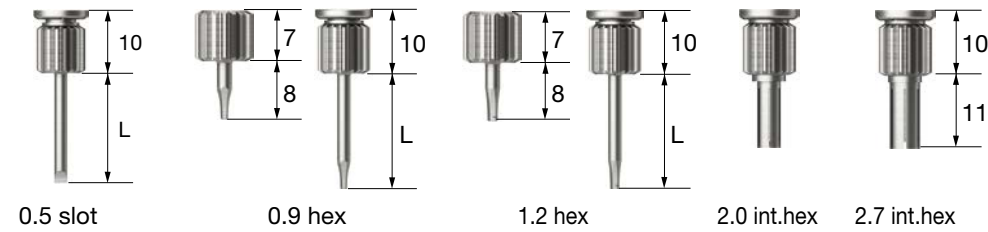
Torque Wrench
TW30B



Prosthetic KIT Surgical Instruments

Hand Driver

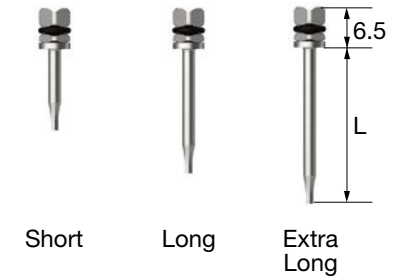
- Manual driver
- Tip holding feature (except internal hex type)
- Internal hex type length : 11



L \ Type	0.5 Slot	0.9 Hex	1.2 Hex	2.0 Int.Hex	2.7 Int.Hex
Ex.Short (8)	-	AHD09MSH	AHD12MSH	-	-
Short (13)	ASD05SH	AHD09SH	AHD12SH	IHD20H	IHD27H
Middle (15)	-	-	AHD12MH	-	-
Long (18)	ASD05LH	AHD09LH	AHD12LH	-	-
Ex.Long (25)	-	-	AHD12EH	-	-

Torque Driver

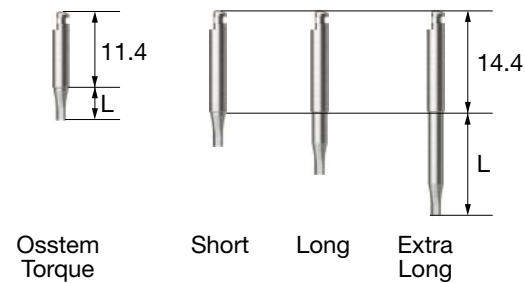
- Driver for Torque Wrench assembly
- Tip holding feature
- Use the recommended torque (excessive torque may result in fracture)
- Risk of fracture even at low torque when inadequately assembled
- Exerting torque with the driver straight up (with no tilting)
- Be sure to replace any bent tips due to extended use or excessive torque



L \ Type	0.5 Slot	0.9 Hex	1.2 Hex	2.0 Int.Hex	2.7 Int.Hex
Ex.Short (8)	-	-	TRHD12MS	-	-
Short (13)	TRSD05S	TRHD09S	TRHD12S	TIHD20S	-
Middle (15)	-	-	TRHD12M	-	-
Long (20)	TRSD05L	TRHD09L	TRHD12L	TIHD20L	TIHD27
Ex.Long (25)	TRSD05E	-	TRHD12E	-	-

Machine Screw Driver

- Driver for engine
- Tip holding feature (except internal hex type)
- Internal hex type length : 8



L \ Type	0.5 Slot	0.9 Hex	1.2 Hex	2.0 Int.Hex	2.7 Int.Hex
Osstem Torque (5)	-	-	OTH12S	-	-
Short (5.6)	AMSD05S	AMSD09S	AMSD12S	-	-
Long (11.6)	AMSD05L	AMSD09L	AMSD12L	EIHD20	EIHD27
Ex.Long (17.6)	-	-	AMSD12E	-	-

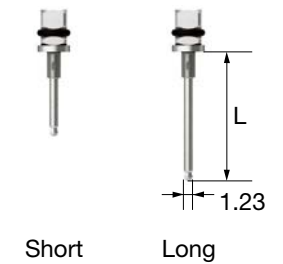
Application

Product applied to a driver
(Common use for hand, Machine Screw, and Torque Driver)

Application	Cover Screw (US Mini)	Healing Abutment, UCLA, Cemented Abutment Screw, Mount Screw	Esthetic Abutment Screw Regular, Esthetic-low Abutment Screw, Standard	Wide Esthetic-low Abutment Screw

Angled Torque Driver 02.2017

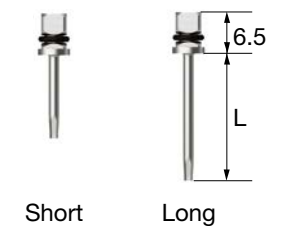
- Driver for Torque Wrench assembly
- No holding feature
- Recommended tightening torque : 30Ncm (excessive torque may result in fracture)
- Do not remove the tube preventing debris upon fracture
- Recommended use cycle : 10 times
- Set : 3ea



L \ Type	1.2 Hex	1.2 Hex (Set)
Short (13)	ATD12S	ATD12S3S
Long (20)	ATD12L	ATD12L3S

Repair Torque Driver

- Handle diameter reduced compared to Torque Driver (Ø2.1 → Ø1.6)
- Minimizing crown hole diameter for prosthesis repair or SCRIP procedure

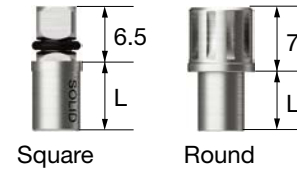


L \ Type	1.2 Hex
Short (13)	TRHD12SR
Long (20)	TRHD12LR

Prosthetic KIT Surgical Instruments

Solid Abutment Driver

- Dedicated driver for solid abutment
- Applying torque after inserting the groove of the solid abutment to the part with a triangular marking
- Recommended tightening torque : 30Ncm



Regular

L \ Type	Square	Round
Short (6)	SDSS	SDRS
Long (12)	SDSL	SDRL

Wide

L \ Type	Square
Short (10)	SD60S

Excellent Solid Abutment Driver

- Dedicated driver for excellent solid abutment
- Applying torque after inserting the groove of the excellent solid abutment to the part with a triangular marking
- Recommended tightening torque : 30Ncm



Regular

L \ Type	Square	Round
Short (6)	ESDSS	ESDRS
Long (12)	ESDSL	ESDRL

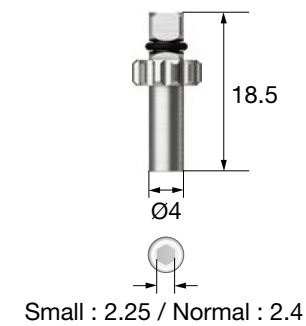
Wide

L \ Type	Square
Short (10)	ESD60S

O-ring Abutment Driver

- Dedicated driver for O-ring Abutment

	Small	Normal
	STAOD	AORD



Rigid Outer Driver

- Dedicated driver for Rigid Abutment
- Recommended tightening torque : 30Ncm

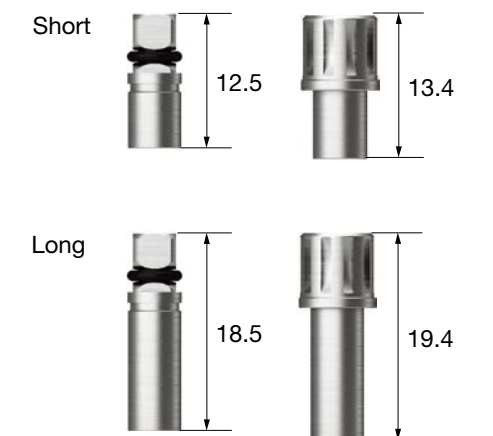
L \ D (Abutment)	Ø4.0	Ø4.5	Ø5.0	Ø6.0
Short (16.5)	ORDMS	ORD45S	ORDRS	ORDWS
Long (21.5)	ORDML	ORD45L	ORDRL	ORDWL



Octa Abutment Driver

- Dedicated driver for Octa Abutment
- Recommended tightening torque : 30Ncm

L \ Type	Square	Round
Short	ODSS	ODRS
Long	ODSL	ODRL



Prosthetic KIT Surgical Instruments

Multi Abutment Machine Driver

- Dedicated machine driver for Multi Abutment



Abutment Holder 06.2017

- Supplementary instrument for convenient connection of a 2-piece abutment which is difficult to hold with a hand in all oral regions



Abutment Positioning Driver 07.2019

- Used for assembling the abutment in the prosthetic stage after placing a fixture
 - ※ For transfer abutment only
- Function to help convenient and stable mounting and tightening of the abutment kept being pushed away by gingiva
- Used according to the H and G/H lengths of the abutment to be removed as shown below

(Unit : Won)

Range of Use	Short					Long				
H + G/H	=<9					=>10				
	5	6	7	8	9	10	11	12	13	14



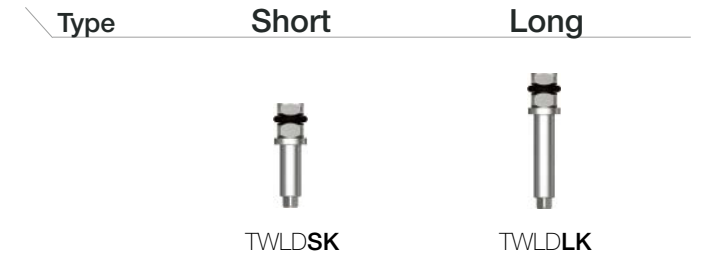
Multi Abutment Outer Driver

- Dedicated Torque Driver for Multi Abutment



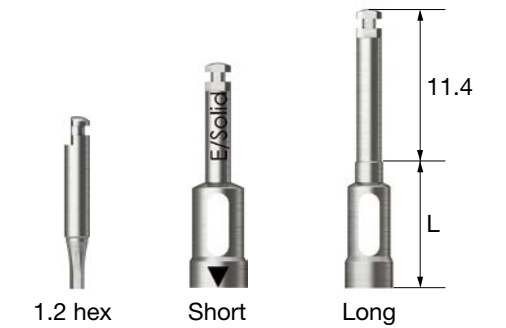
Locator® Torque Driver

- Dedicated Torque Driver for Locator Abutment



Osstem Torque Driver

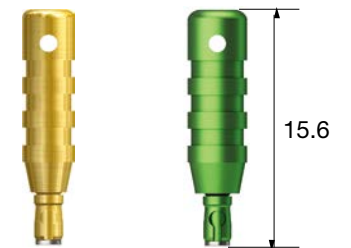
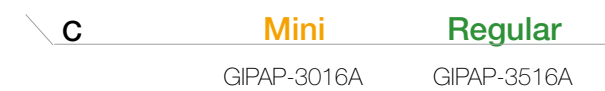
- Dedicated driver for osstem torque, which may not be compatible with a general hand piece
- Used after matching the triangle on the outside of the driver with the groove or side of the abutment
- Solid, excellent solid driver only compatible with Ø4.8
- 1.2 hex type L : 5



L \ Type	1.2 Hex	Rigid 4.0	Rigid 4.5	Rigid 5.0	Rigid 6.0	Solid	Excellent Solid
Short (10)	OTH12S	OTR40S	OTR45S	OTR50S	OTR60S	OTS48S	OTE48S
Long (15)	-	OTR40L	OTR45L	OTR50L	OTR60L	OTS48L	OTE48L

Path Probe (TS)

- Checking the path and measuring the gingival height after TS Fixture placement
- C = Connection



Path Probe (KS) 11.2019

- Checking the path and measuring the gingival height after KS Fixture placement
- C = Connection



Prosthetic KIT Surgical Instruments

Torque Connector

- Connector for connecting the torque square driver with a two-way Torque Wrench



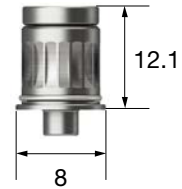
Reamer Bite

- Cutting edge to remove lip from the inside of the casted body after casting plastic coping



Machine Driver Connector

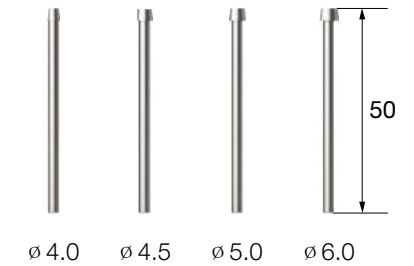
- Connector for connecting the machine driver with a two-way Torque Wrench



Reamer Tip (Rigid Abutment)

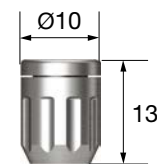
- Guide part inserted into the casted body for removing lip from the inside after casting plastic coping (for Rigid Abutment)

D	Ø4.0	Ø4.5	Ø5.0	Ø6.0
	GSRFRT400	GSRFRT450	GSRFRT500	GSRFRT600



Driver Handle

- Used by connecting to the Torque Driver



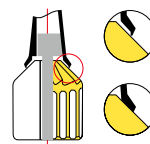
Finishing Reamer Set

- Used for removing lip from the inside of the casted body after casting plastic coping



Reamer user guide

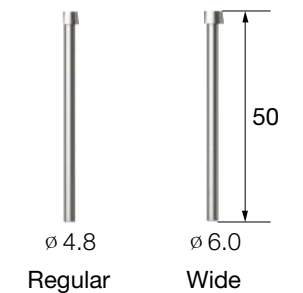
1. Connected to the casted burn-out cylinder by selecting the reamer tip of the same size as the abutment
2. Rotating the reamer bite with constant force by holding the casted body
3. Reaming until no cutting occurs



Reamer Tip (Solid, Excellent Solid Abutment)

- Guide part inserted into the casted body for removing lip from the inside after casting plastic coping
- For Solid Ø6.0 and excellent solid Ø4.8
- P= Platform

P	Regular(Ø4.8)	Wide(Ø6.0)
Solid	FRTS480	FRTS600
Ex.Solid	FRTE480	FRTE600





For **TSII / III** **SSII / III** **USII / III** **KSIII**

Top panel components Lower panel components

Hydraulic Membrane Lifter Tube SNMT



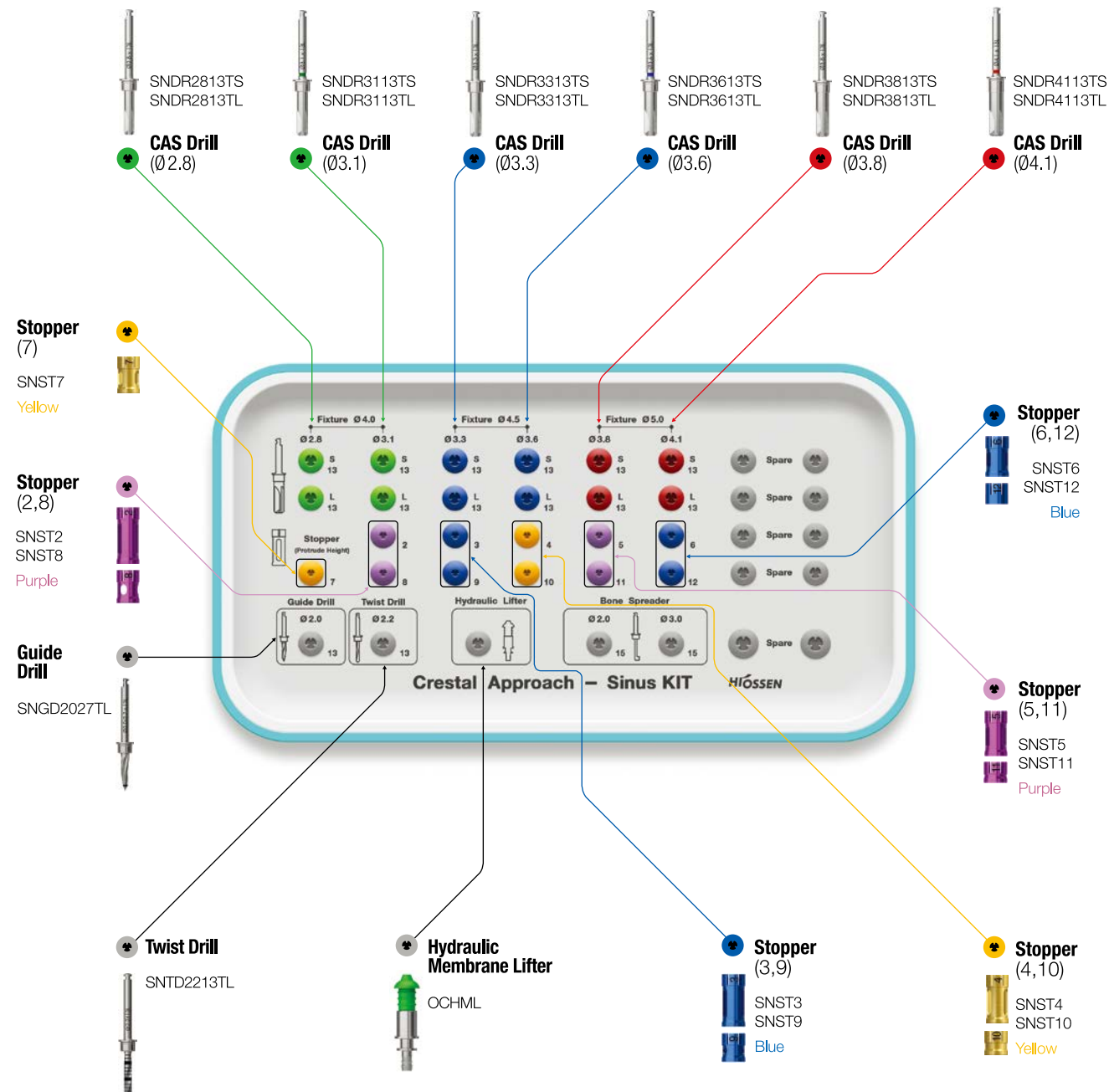
Bone Carrier Head SNBCH30



Bone Carrier SNBCS35

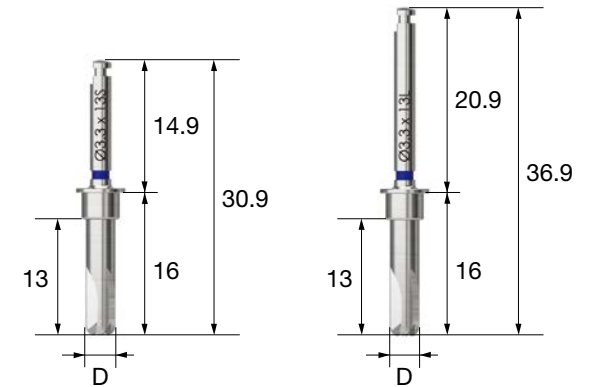


Bone Condenser SNBC1120



CAS Drill

- Safe lifting of the membrane while forming conical bone for maxillary sinus floor procedure
- Excellent bone removal at low-high speed, and autogenous bone collection at low speed
- Stopper assembled for safe lifting
- Final drill diameter selected based on the bone quality regardless of Straight or Tapered Fixture type
- Recommended speed : 400~800rpm (400rpm for first use)



L \ D	Ø2.8	Ø3.1	Ø3.3	Ø3.6	Ø3.8	Ø4.1
Short	SNDR2813TS	SNDR3113TS	SNDR3313TS	SNDR3613TS	SNDR3813TS	SNDR4113TS
Long	SNDR2813TL	SNDR3113TL	SNDR3313TL	SNDR3613TL	SNDR3813TL	SNDR4113TL

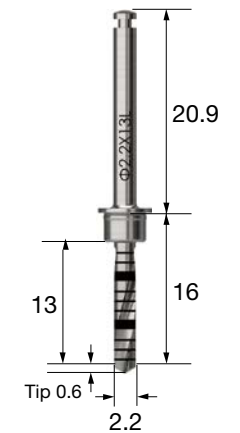
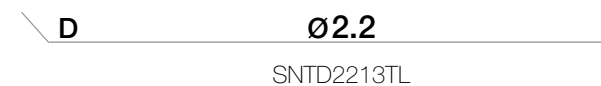
Guide Drill

- Drill to mark the fixture placement position
- Used for removing side walls in a fresh extraction socket with side edges
- Marking line at 2mm from the tip



Twist Drill (Ø2.2)

- Drilling 1mm under the remaining bone recommended
- Stopper assembled for safe lifting
- End line tip : 0.6mm



Hydraulic Membrane Lifter Set

- Hydraulic lifting instrument for maxillary sinus membrane
- Winged design with optimized sealing for flapless procedure



Bone Condenser

- Instrument to push in the bone material into the sinus



Stopper

- Number on the stopper indicating the protruding length of the tip when assembled to a drill or instrument
- Color coded by length
- Drill and stopper use cycle : 50 times



Hydraulic Membrane Lifter Tube

- Connected to the hydraulic membrane lifter



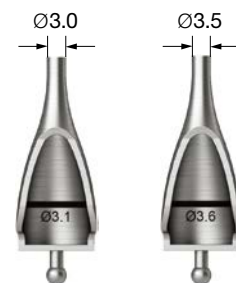
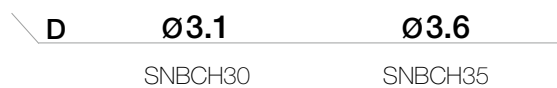
Bone Carrier

- Used for filling the inside of the sinus with bone
- Mounting the head by fastening the back of the body
- Replaceable head (SNBCH30 or SNBCH35) for use



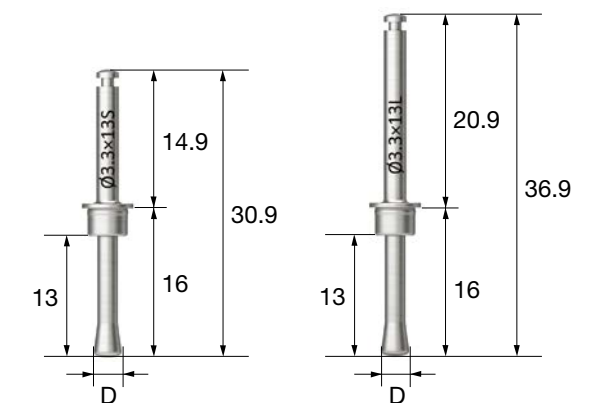
Bone Carrier Head

- Used for filling the inside of the sinus with bone
- SNBCH30 : used after drilling with CAS Drill Ø3.1/3.3
- SNBCH35 : used after drilling with CAS Drill Ø3.6/3.8/4.1 drilling
- Used repeatedly by filling the back of the marking line of the head and taking little by little with a bone condenser to completely fill the inside of the sinus



Membrane Lifter 01.2016

- Safe lifting of the membrane due to the round shape with no cutting edge
- lifter selected according to the CAS-Drill diameter as membrane lifting is performed after using the CAS-Drill (head diameter is CAS Drill diameter - 0.2mm)
- CAS Stopper assembled and used for adjusting the depth
- Recommended speed : 400~800rpm (400rpm for first use)
- Be sure to use a drill with irrigation



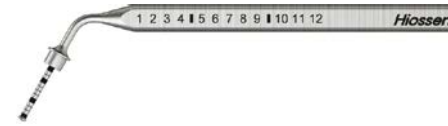
L \ D	Ø2.6	Ø2.9	Ø3.1	Ø3.4	Ø3.6	Ø3.9
Short	SNML2813TS	SNML3113TS	SNML3313TS	SNML3613TS	SNML3813TS	SNML4113TS
Long	SNML2813TL	SNML3113TL	SNML3313TL	SNML3613TL	SNML3813TL	SNML4113TL

CAS KIT Surgical Instruments

Depth Gauge

- Checking internal lifting of the sinus and measuring the remaining bone depth

SNDG

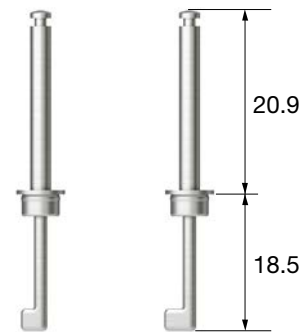


Bone Spreader

- Instrument for spreading the filled bone using the engine
- Assembled with a stopper for use
- Recommended speed : ≤ 30 rpm (low speed mode)

D **Ø2.0** **Ø3.0**

SNBS2015T SNBS3015T



OSSTEM[®]
IMPLANT

Y-Connector

- Y-shaped connector for hydraulic lifting of 2 drilling holes at the same time

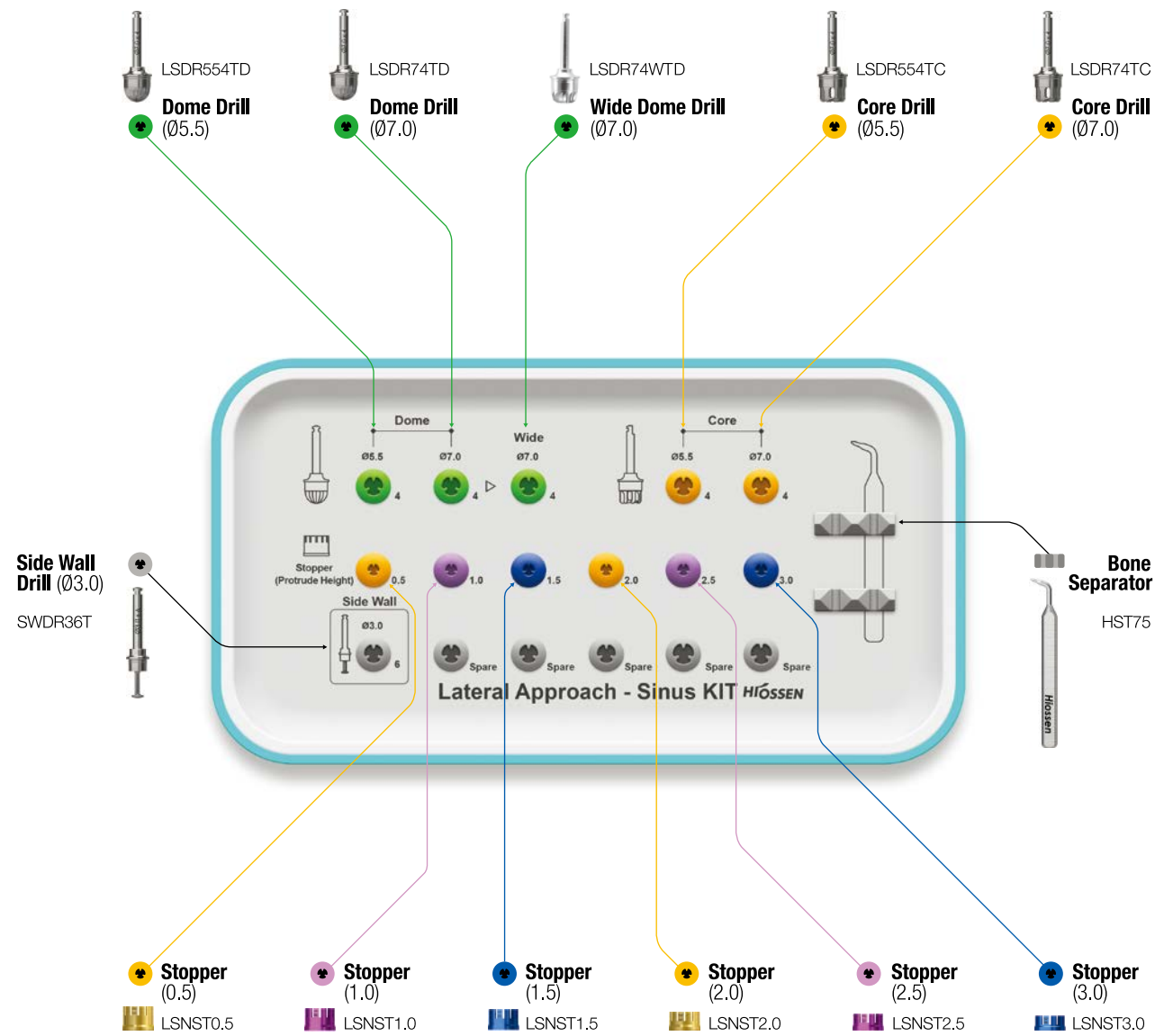
SNYCT



LAS KIT (HLRSNK) 10.2018

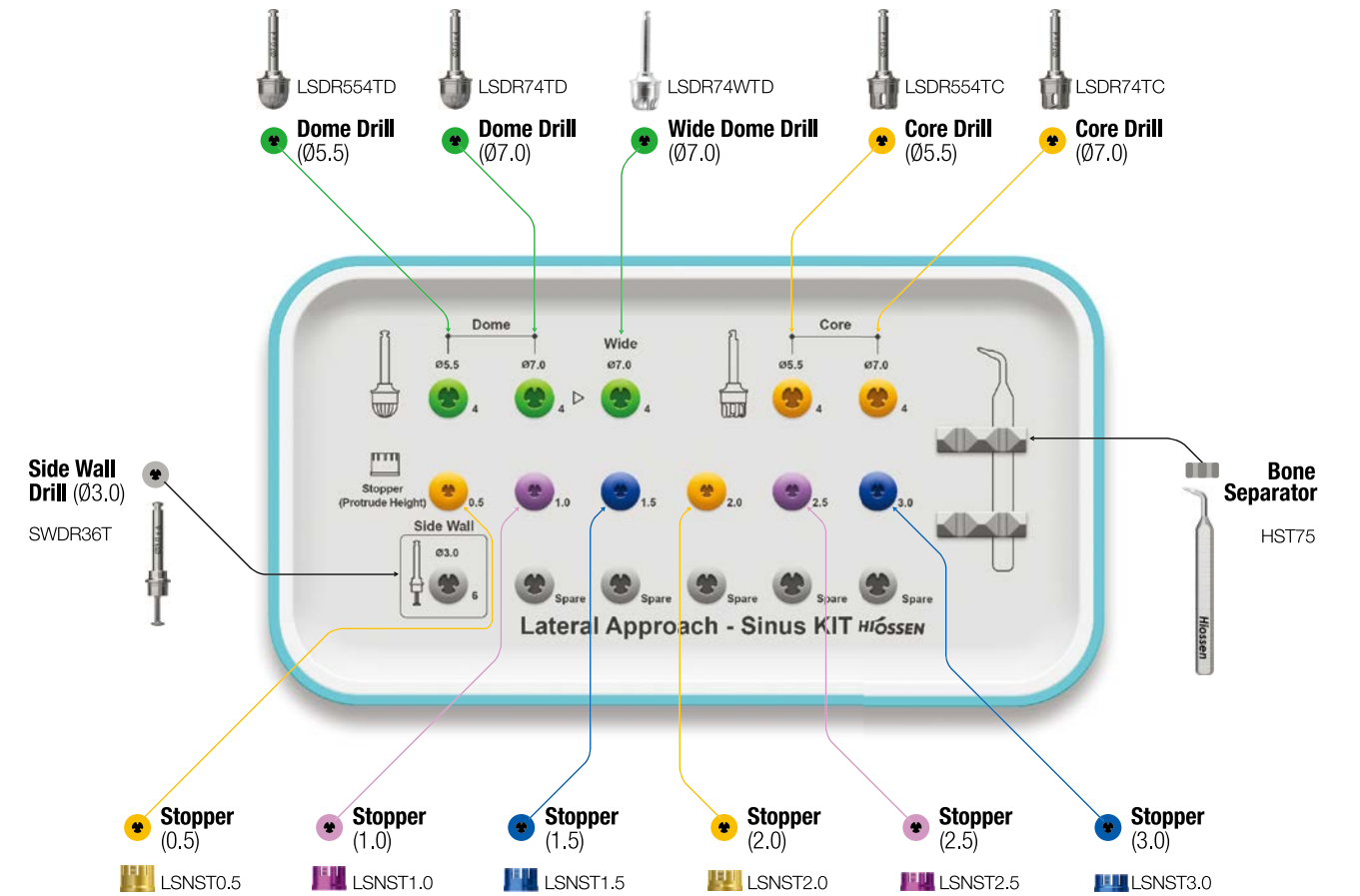


- Lateral Approach - Sinus KIT (LAS KIT) : KIT optimized for lateral approach in maxillary sinus floor procedure
- Including dome drill and core drill for safe formation of a lateral window; and Ø5.5/7.0 diameters available according to the size of the window
- The depth can be adjusted by installing a stopper on the LAS Drill, and the window can be safely formed without perforating the membrane

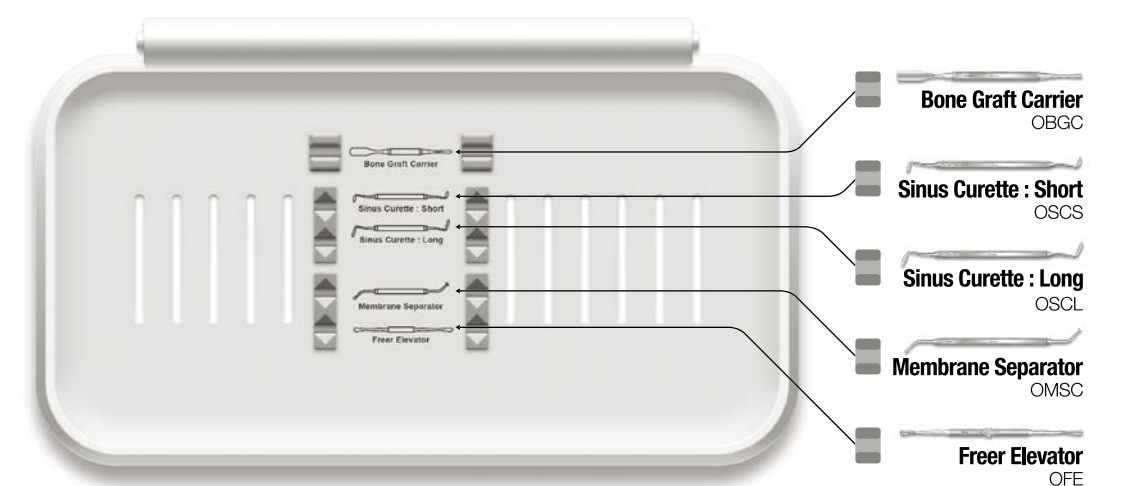


LAS Full KIT (HLRSNKP) 07.2018

- KIT with 6 additional sinus lift instruments to LAS KIT



LAS KIT Plus Lower Plate

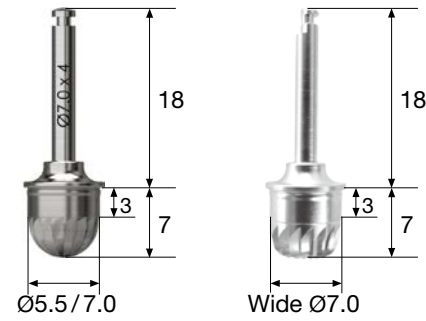


LAS KIT Surgical Instruments

Dome Drill ^{04.2012}

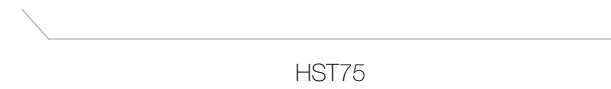
- Forming a window while collecting bone
- Enhanced cutting force with macro and micro cutting edges in combination
- Depth adjusted by assembling with a stopper
- Recommended speed : 1,200~1,500rpm
- ※ Over drilling may result in damage to the membrane

L \ D	Ø5.5	Ø7.0	Wide Ø7.0
25	LSDR554TD	LSDR74TD	LSDR74WTD



Bone Separator ^{07.2013}

- Removing the bone lid from the inside of the core drill



Core Drill ^{04.2012}

- Forming a window while forming the bone lid
- Excellent cutting force and membrane stability due to CAS Drill design concept
- Recommended speed : 1,200~1,500rpm
- ※ Over drilling may result in damage to the membrane

L \ D	Ø5.5	Ø7.0
25	LSDR554TC	LSDR74TC



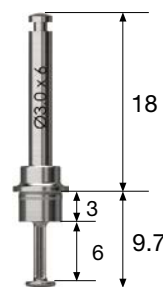
Stopper ^{05.2012}

- Number on the stopper indicating the protruding length of the tip when assembled to a drill or instrument
- Color coded by length
- Drill and stopper use cycle : 50 times

L	0.5	1.0	1.5	2.0	2.5	3.0
Color	Yellow	Purple	Blue	Yellow	Purple	Blue
	LSNST0.5	LSNST1.0	LSNST1.5	LSNST2.0	LSNST2.5	LSNST3.0

Side Wall Drill ^{06.2012}

- Expanding the window after drilling with a dome drill
- Cutting at 1mm above the lowest part of the drill edge recommended
- Recommended speed : 1,500rpm



Side cutting edge height (mm)	1.0	2.0	3.0	4.0	5.0
CAS KIT Stopper (mm)	8.0	9.0	10	11	12
Side wall drill + CAS KIT Stopper					

※ Depth adjusted by the common CAS KIT Stopper





For **TSII / III** **SSII / III** **USII / III** **KSIII**

Lower panel components

Torque Wrench
TQWCB



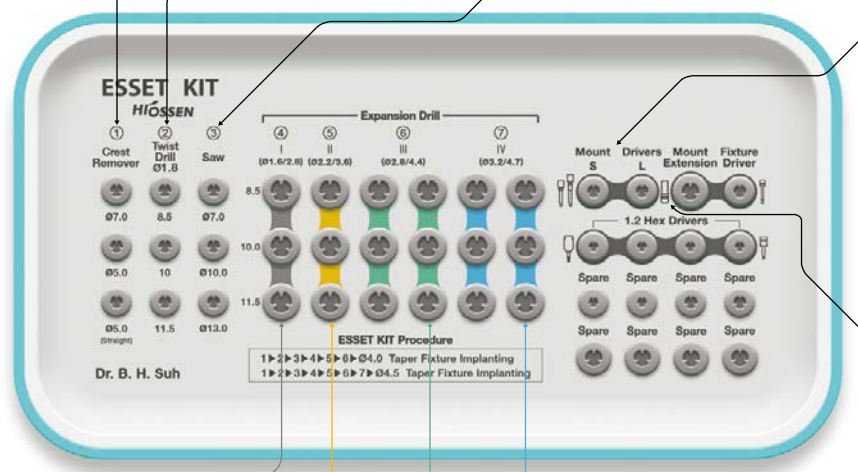
Depth Gauge
ODG



Crest Remover

Twist Drill

Saw



EXP Mount Driver

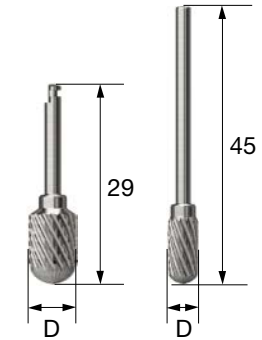
AESMDS
AESMDL

Mount Extension
ASMEL

Crest Remover

- Marking the fixture placement position after removing the narrow ridge horizontally
- Recommended speed
 - Angled type : 1,200~1,500rpm
 - Straight type : 15,000~30,000rpm

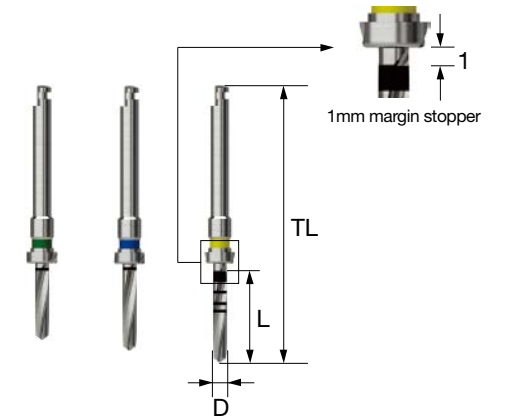
L \ D	Ø5.0	Ø7.0
29	CERM50A	CERM70A
45	CERM50S	-



Twist Drill

- Marking the fixture placement position
- Depth adjusted by assembling a stopper according to the fixture length
- Recommended speed : 1,200~1,500rpm

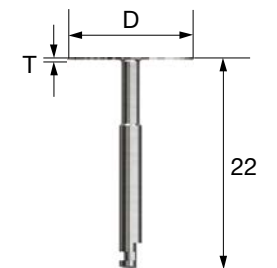
L \ TL \ D	Ø1.8
8.5 \ 33	2D1808LC01
10 \ 34.5	2D1810LC01
11 \ 36	2D1811LC01



Saw 06.2018

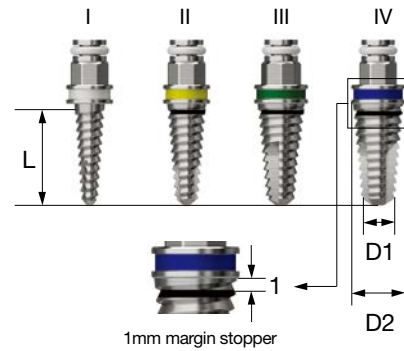
- Incision of the narrowed ridge
- After vertical incision, incision in the mesial → distal directions
- Recommended speed : 1,200~1,500rpm
- Recommended use cycle : 10 times
- T = Thickness

T \ D	Ø7.0	Ø10.0	Ø13.0
0.3	HSAW070	HSAW100	HSAW130



Expansion Drill 12.2016

- Expansion of the ridge after incision
- Used in sequence according to the fixture diameter
F4.0 : I → II → III / F4.5 : I → II → III → IV
- Recommended speed : 25~35rpm



L \ Type	I	II	III	IV
D1 / D2	Ø1.6 / 2.8	Ø2.2 / 3.6	Ø2.8 / 4.4	Ø3.2 / 4.7
8.5	EXP162808	EXP223608	EXP284408	EXP324708
10	EXP162810	EXP223610	EXP284410	EXP324710
11.5	EXP162811	EXP223611	EXP284411	EXP324711

Mount Extension

- Used to exerting torque in manual mode in the process to place or remove an expansion drill into alveolar bone

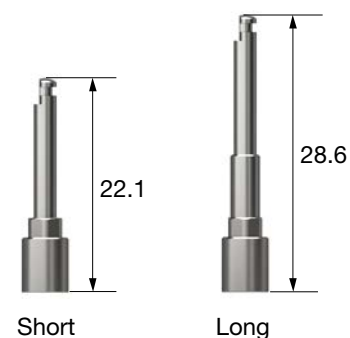


ASME

EXP Mount Driver

- Used to exerting torque for engine in the process to place or remove an expansion drill into alveolar bone

L	
Short (L)	AESMDS
Long (L)	AESMDL

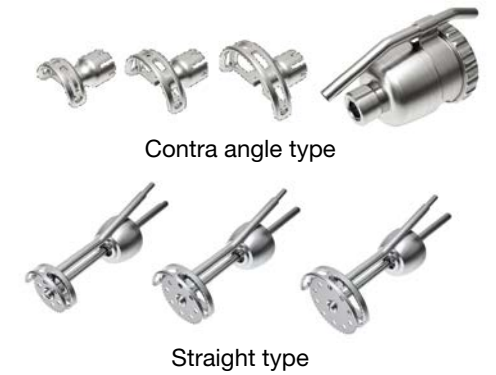


Short

Long

Saw Protector 05.2015

- Safe approach for sawing with a semi-circular saw cover
 - Excellent treatment visibility by forming a window
 - Flexible procedure with a 360° rotating saw
 - Contra angle type (removable saw cover) : **KaVo(CL 3-09, S201L), W&H(WS-75)**
 - Straight type (built-in saw cover) : **KaVo(CL10) ※ Dedicated saw used**
- ※ Cover and body of the contra angle type sold separately



Type \ D		Ø7.0	Ø10.0	Ø13.0	Ø15.0	Full Set
Kavo	Contra Angled	Cover Set	SP07AC SP07A	SP10AC SP10A	SP13AC SP13A	- - SP071013A
	Straight	Saw Set	- -	SAW10S SP10S	SAW13S SP13S	SAW15S SP15S SP101315S
W&H	Contra Angled	Cover Set	SP07ACW SP07AW	SP10ACW SP10AW	SP13ACW SP13AW	- - SP071013W

Torque Wrench

- Used for exerting torque on an expansion drill



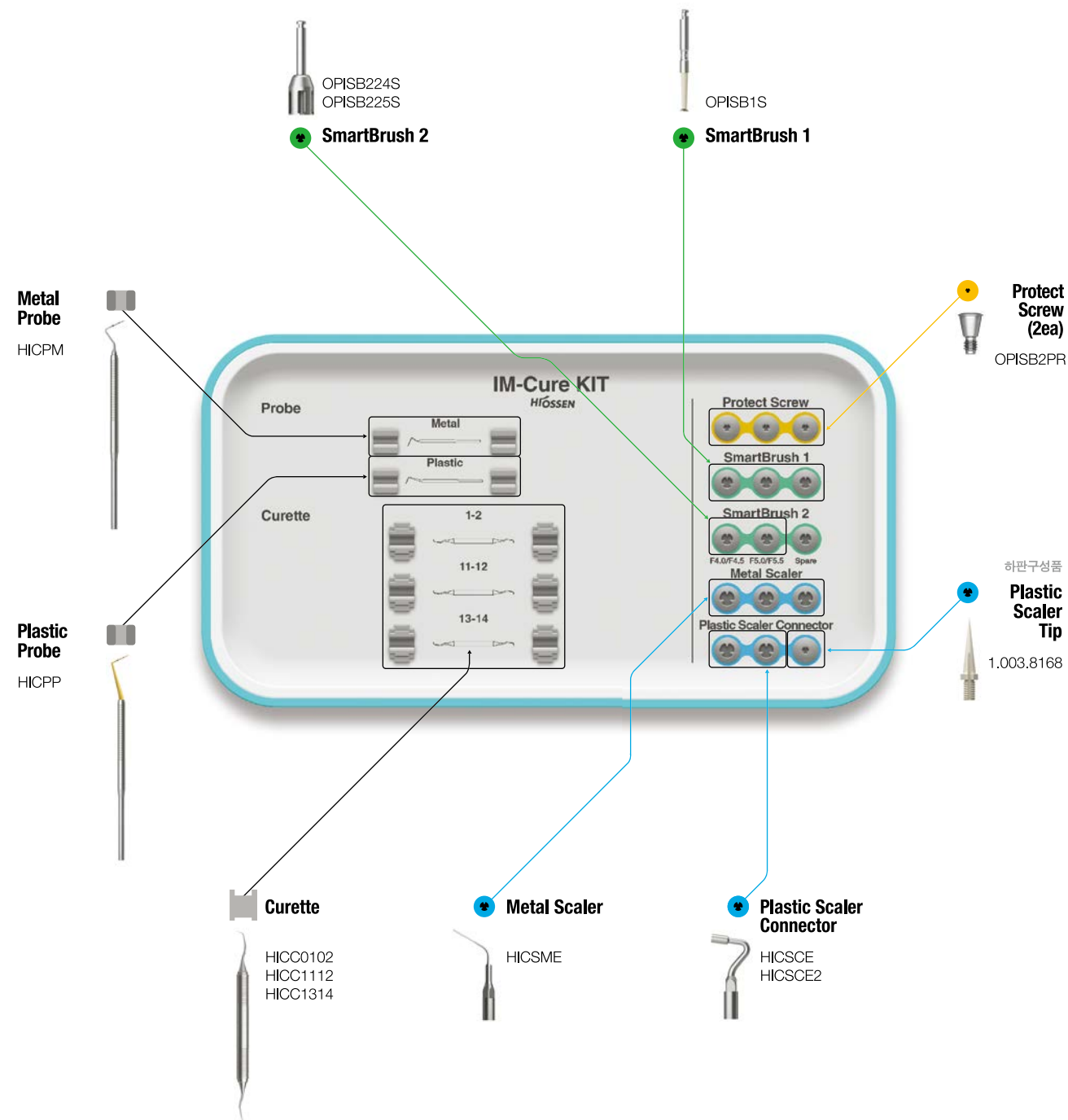
TQWCB

Depth Gauge

- Instrument to release excessive torque by rotating the hex of the expansion drill with an open wrench when the hand piece does not move with the expansion drill stuck in alveolar bone



ODG



Metal Probe

- Instrument to measure the depth of periodontal disease
- Measuring periodontal pockets and identifying the shape of the periodontal pockets such as depth/size
- Marking line for probing in 1 mm increments



HICPM

Plastic Probe

- Instrument to measure the depth of infection or periodontal disease around the implant
- Scratching of implant prevented by using plastic material
- Flexible probe suitable for the curved form of alveolar bone
- Autoclave can be used
- Marking line for probing in 1 mm increments



HICPP

Curette

- Instrument for removing subgingival sediment that is firmly attached to the granulation tissue of a specific area
- Gracey curette
- 01-02 : For removal of granulation tissue from anterior region
- 11-12 : For removal of granulation tissue from the mesial surface in anterior region
- 13-14 : For removal of granulation tissue from the distal surface in anterior region



Type	01-02	11-12	13-14
	HICC0102	HICC1112	HICC1314

IM-Cure KIT Surgical Instruments

Protect Screw

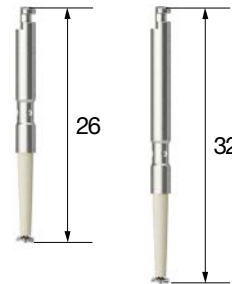
- Preventing infiltration of foreign substances into the internal connection of the fixture using SmartBrush 2
- Tightened with 1.2 hex driver at 5Ncm



Type	Mini	Regular
	OPISB2PM	OPISB2PR

SmartBrush 1

- Used when cleaning Peri-implantitis
- Used after connecting the Protect Screw to the fixture after removing the patients prosthesis or abutment
- Recommended speed : 1,200~1,500 rpm
- Recommended use cycle : About 1 minute per thread
 - ※ Do not use for longer than 4 minutes
- Be sure to polish with saline irrigation and suction
 - ※ Disposable, Do not reuse (Be sure to discard after use)



L	
Short	OPISB1S
Long	OPISB1L

SmartBrush 2 ^{11.2017}

- Used for Peri-implantitis cleaning
- Used after connecting the Protect Screw to the fixture after removing the patients prosthesis or abutment
- Be sure to polish with saline irrigation and suction.
- Recommended speed : 1,200~1,500rpm
- Recommended use cycle : 1~2 minutes
 - ※ Excessive use for longer than 3 minutes may result in fracture or bending of the product.
 - ※ Disposable, Do not reuse (Be sure to discard after use)



L \ D	F3.0 / F3.5	F4.0 / F4.5	F5.0 / F5.5	F6.0	F7.0
Short	OPISB23S	OPISB24S	OPISB25S	OPISB26S	OPISB27S
Long	OPISB23L	OPISB24L	OPISB25L	OPISB26L	OPISB27L

Metal Scaler

- Used for removing scale or foreign substance from the surface of the fixture by connecting to an ultrasonic scaler
- Used secondarily after using SmartBrush 1 or SmartBrush 2
- Bendable tip of the product for easy access
- EMS, KaVo and SATELEC types



Type	EMS	KaVo	SATELEC
	HICSME	HICSMK	HICSMS

Plastic Scaler Connector

- Used by assembling to a plastic scaler tip
- Do not use for removing foreign substances from the fixture surface
- EMS, KaVo and SATELEC types
- A = Angle



A \ Type	EMS	KaVo	SATELEC
125°	HICSCE	HICSCK	HICSCS
100°	HICSCE2	HICSCK2	HICSCS2

Plastic Scaler Tip

- Used for removing foreign substances from the abutment or crown by connecting to a SmartScaler
- ※ Do not use on the fixture surface
- Packing unit : 30ea/1set



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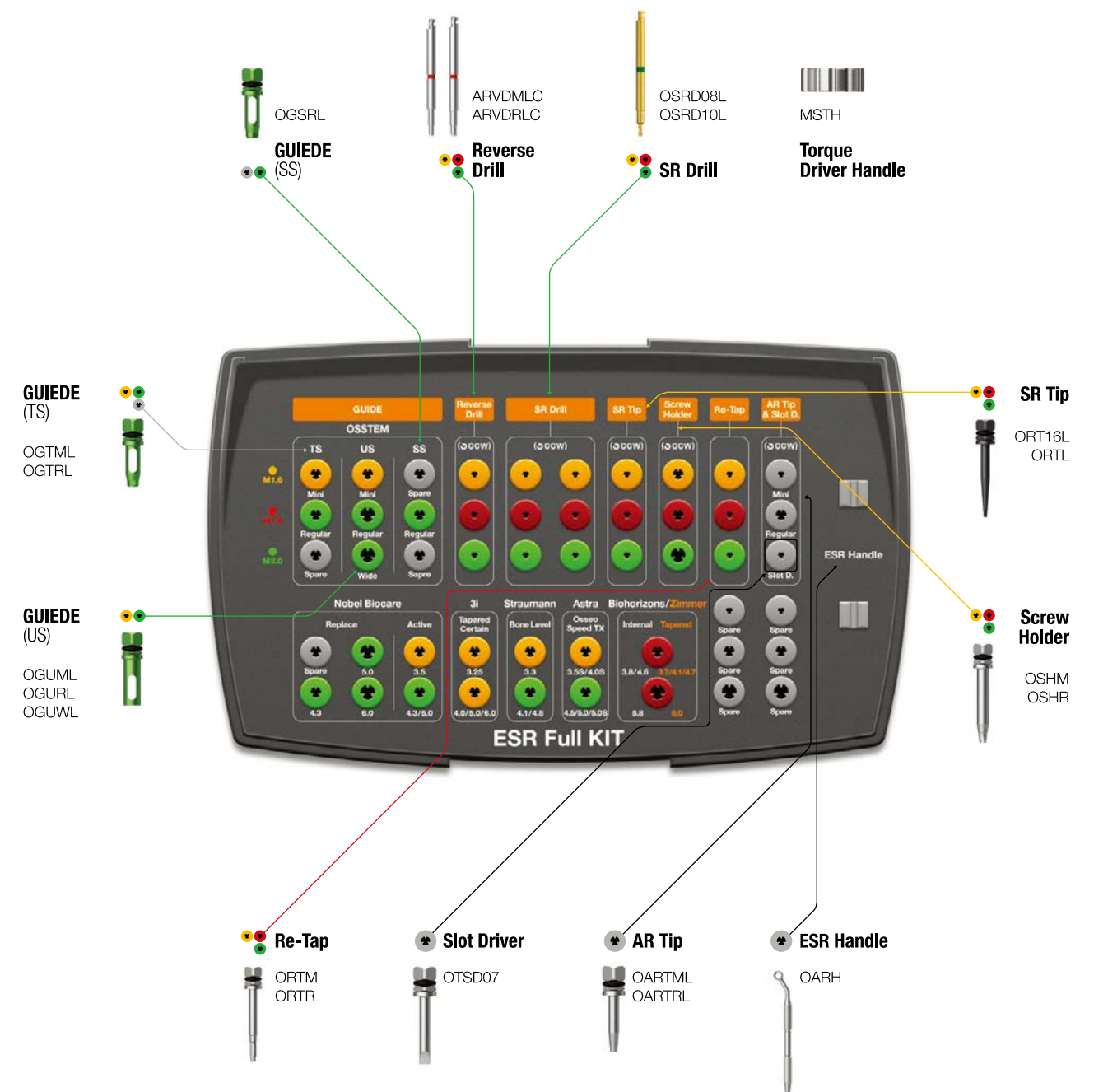
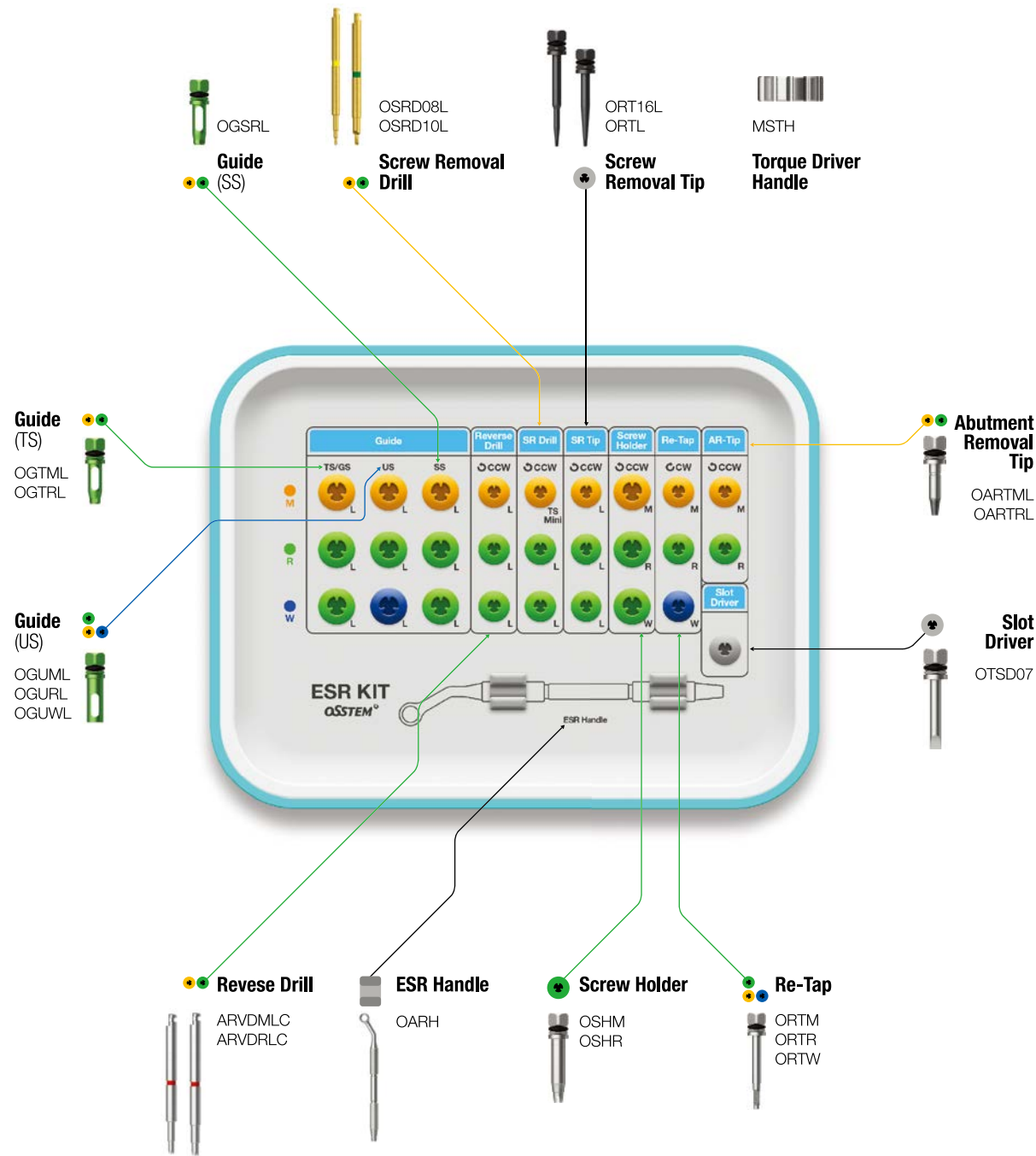
ESR KIT Easy Screw Removal KIT (OESRK) RENEWAL 2020



ESR Full KIT Easy Screw Removal Full KIT (OESRFK) 01.2018

• Including the same components as ESR KIT, which can hold the components provided by other companies

For **Nobel Biocare** Active/Replace / **Straumann** Bone Level / **Astra** Osseo Speed TX
3i Full OSSEOTITE Tapered Certain / **Zimmer** Tapered / **Biohorizons** Internal



ESR Full KIT Surgical Instruments

Not included in the KIT

Guide								
Nobel	Active	Replace	3i	Tapered Certain		Straumann	Bone Level	Roxolid SLActive
	OGNA01L OGNA02L	OGNR02L OGNR03L OGNR04L		OGIF01L OGIF02L			OGSB01L OGSB02L	OGSTRS OGSTRL
Astra	Osseo Speed TX		Biohorizons	Internal	External	Zimmer	Tapered	
	OGAO01L OGAO02L			OGZB01L OGZB02L	OGBES OGBEL		OGZB01L OGZB02L	
SR Drill	SR Tip		Screw Holder		Re-Tap			
OSRD09L	ORT18L		OSHR18L		ORTR18L			

Guide

- Centering and shaking prevention of SR Drill, SR Tip, etc. by connecting and fixing to the fixture
- Use according to fixture type and diameter
(Internal, submerged type products of 6 overseas companies)
- Short or Long types selected according to the intermaxillary distance
- ■ Used in common
- C = Connection / F = Fixture

Osstem

C \ Type	TS		SS		US		KS	
	Short	Long	Short	Long	Short	Long	Short	Long
Mini	OGTMS	OGTML	OGUMS	OGUML	OGUMS	OGUML	-	-
Regular	OGTRS	OGTRL	OGSRS	OGSRL	OGURS	OGURL	OKGRS	OKGRL
Wide	-	-	OGSRS	OGSRL	OGUWS	OGUWL	-	-

Nobel Biocare

F \ Type	Active		Replace	
	Short	Long	Short	Long
Ø3.5	OGNA01S	OGNA01L	-	-
Ø4.3	OGNA02S	OGNA02L	OGNR02S	OGNR02L
Ø5.0	OGNA02S	OGNA02L	OGNR03S	OGNR03L
Ø6.0	-	-	OGNR04S	OGNR04L

Nobel Biocare

F \ Type	MkIII	
	Short	Long
Ø3.3	OGUMS	OGUML
Ø3.75	OGURS	OGURL
Ø4.0	OGURS	OGURL
Ø5.0	OGUWS	OGUWL

Straumann

F \ Type	Bone Level	
	Short	Long
NC (3.3)	OGSB01S	OGSB01L
RC (4.1)	OGSB02S	OGSB02L
RC (4.8)	OGSB02S	OGSB02L

F \ Type	Roxolid SLActive	
	Short	Long
RN (3.3)	OGSTRS	OGSTRL
RN (4.1)	OGSTRS	OGSTRL
RN (4.8)	OGSTRS	OGSTRL
WN (4.8)	OGSTRS	OGSTRL

Astra

F \ Type	Osseo Speed TX	
	Short	Long
Small (3.5 s)	OGAO01S	OGAO01L
Small (4.0 s)	OGAO01S	OGAO01L
Large (4.5)	OGAO02S	OGAO02L
Large (5.0)	OGAO02S	OGAO02L
Large (5.0 s)	OGAO02S	OGAO02L

ESR Full KIT Surgical Instruments

3i

F \ Type	Full Osseotite Tapered Certain	
	Short	Long
		
3.25	OGIF01S	OGIF01L
4.0	OGIF02S	OGIF02L
5.0	OGIF02S	OGIF02L
6.0	OGIF02S	OGIF02L

F \ Type	Full Osseotite Tapered	
	Short	Long
		
Ø4.0	OGURS	OGURL
Ø5.0	OGURS	OGURL
Ø6.0	OGURS	OGURL


Reverse Drill ^{06.2017}

- Instrument used for removing fractured screws
- Be sure to use with a suitable guide for the fixture
- When the red marking of the reverse driver is shown above the guide assembled to the fixture, use a screw holder to remove the fractured screw
- For hand mode / Rotating direction : Reverse rotation / Use cycle : 10 times
- ※ Do not use more than 10 times. Do not reuse
- F = Fixture



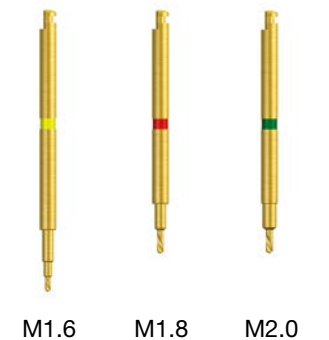
L \ Type	M1.6	M1.8	M2.0
Short	-	ARVDRSC	ARVDRSC
Long	ARVDMLC	ARVDRLC	ARVDRLC

Zimmer

F \ Type	Tapered	
	Short	Long
		
Green (3.7)	OGZB01S	OGZB01L
Green (4.1)	OGZB01S	OGZB01L
Green (4.7)	OGZB01S	OGZB01L
Green (6.0)	OGZB02S	OGZB02L


Screw Removal Drill (SR Drill) ^{12.2014}


- Used for removal to form a hole in fractured screws
- Be sure to assemble the guide and remove the cut chips by suction with irrigation into the window
- Short and Long types according to the intermaxillary distance
- Drilling until the red line around the handle is not visible
- Recommended speed : Reverse rotation of 1,200~1,500rpm / Use cycle : 5 times
- ※ Be sure to use with a guide assembled. / Do not exert excessive vertical force. / Do not soak in hydrogen peroxide.
- ※ Disposable, Do not reuse
- Short : Sold separately



L \ Type	M1.6	M1.8	M2.0
Short	OSRD08S	OSRD09S	OSRD10S
Long	OSRD08L	OSRD09L	OSRD10L

Biohorizons

F \ Type	Internal (Tapered Bone Level)	
	Short	Long
		
Yellow	OGZB01S	OGZB01L
Green	OGZB01S	OGZB01L
Blue	OGZB02S	OGZB02L

F \ Type	External	
	Short	Long
		
Ø3.5	OGUMS	OGUML
Ø4.0	OGURS	OGURL
Ø5.0	OGBES	OGBEL
Ø6.0	OGBES	OGBEL

Torque Driver Handle

- Used by rotating with a hand after assembling with products such as SR tip, AR tip, and screw holder



MSTH

ESR Full KIT Surgical Instruments

Reverse Driver ^{10.2010}

- Instrument used for removing fractured screws
- Be sure to use with a suitable guide for the fixture
- When the red marking of the reverse driver is shown above the guide assembled to the fixture, use a screw holder to remove the fractured screw
- For hand mode / rotating direction : reverse rotation / use cycle : 10 times
- ※ Do not use more than 10 times
- F = Fixture

L \ F	Mini	Regular/Wide
Short	-	ORVDRS
Long	ORVDML	ORVDRL



Re-tap

- Instrument to restore the thread to the initial state when the screws cannot be fastened due to damage to the internal thread of the fixture
- Thread formed in hand mode with a Torque Wrench or ratchet wrench

Type	M1.6	M1.8	M2.0
	ORTM	ORTR18	ORTR



Screw Removal Tip (SR Tip)

- Removing fractured screws by rotating the screw removal tip in the hole in the fractured surface of the screws formed by using the screw removal drill(SR Drill)
- Rotating direction : Reverse rotation
- ※ Disposable, Do not reuse

L \ Type	M1.6	M1.8	M2.0
Short	ORT16S	ORT18S	ORTS
Long	ORT16L	ORT18L	ORTL



ESR Handle ^{03.2013}

- Instrument to fix the guide to the fixture

OARH



Screw Holder

- Removing partially protruding fractured screws by assembling with a screw holder
- Color coded for easy type indication
- Rotating direction : Reverse rotation

Type	M1.6	M1.8	M2.0
	OSHM	OSHR18	OSHR



Abutment Removal Tip (AR Tip) ^{07.2017}

- Used for partial fractured abutment, mount remaining and stuck in the fixture
- After assembling it to the fractured abutment hole and fixing in place, remove by shaking with a forcep, etc.
- Mini : removing screws with a slipped hex
- After assembling it to the slipped hex, rotate in the reverse direction to connect to the screw for removal

L \ Type	Mini	Regular
Short	OARTMS	OARTRS
Long	OARTML	OARTRL
Ex.Long	OARTMEL	OARTREL



Slot Driver 10.2010

- Instrument to use by forming a slot with Ø0.8 bur, when force cannot be exerted using a driver due to the damaged hex of Healing Abutment, Cover Screw, or Abutment Screw



OTSD07

Transfer Abutment Separate Tool 01.2009

- Used to release the jamming caused by Non-hex Transfer Abutment stuck due to the contact of the fixture and the morse taper
 - Common use, by using the body end for mini, placing regular into the 2nd groove
 - It is easy to remove if the body and abutment are integrated by rotating the driver forward after removing the abutment screw and placing a separate tool body into the inner hole of the abutment
- If it is difficult to separate, use after connecting a ratchet wrench to the driver



Driver



Body

Driver

TASD

Body

TASB

Set

TAST

OSSTEM[®]
IMPLANT

EFR KIT Easy Fixture Removal KIT (OSFRK) RENEWAL 2020



Top panel components

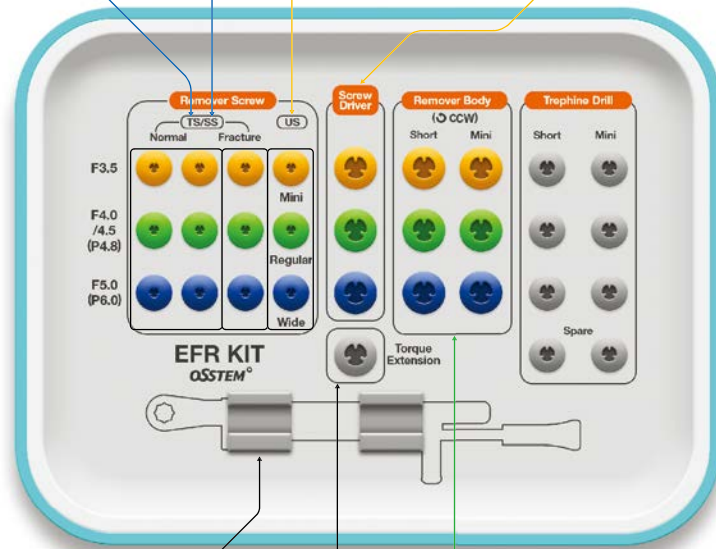
Fixture Wrench
FRDFE



For **TSII / III** **SSII / III** **USII / III** **KSIII** **Ultra-wide**

- Normal mode**
FRSM35
FRSR40
FRSW50
- Fracture mode**
FRSM35F
FRSR40F
FRSW50F
- FRSM35US
FRSR40US
FRSW50US
- FRSDM23
FRSDR25
FRSDW30

Remover Screw (TS/SS) **Remover Screw (TS/SS)** **Remover Screw (US)** **Screw Driver**



FRBM35S
FRBM35L
FRBR40S
FRBR40L
FRBW50S
FRBW50L

EFR Full KIT Easy Fixture Removal Full KIT (OSFRFK) 01.2018

• Including the same components as EFR KIT, which can hold the components provided by other companies

Lower panel components

Fixture Wrench
FRDFE



Torque Wrench
TW400B

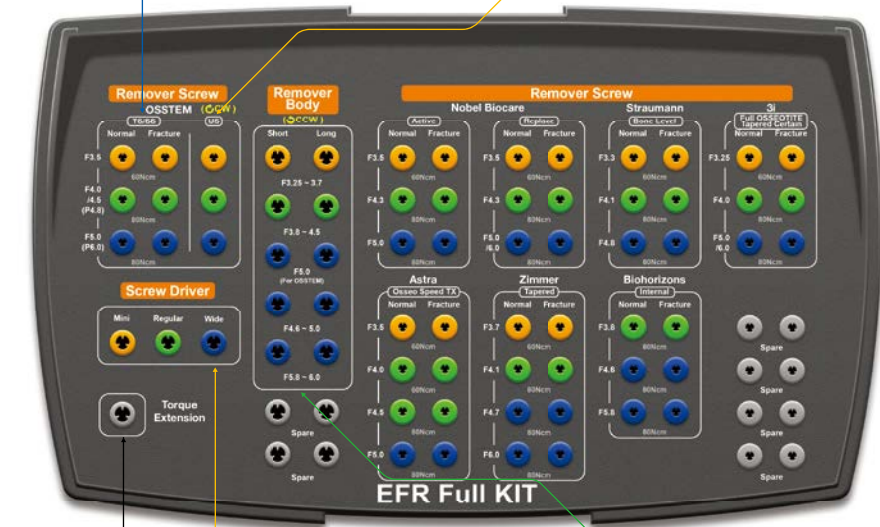


For **Nobel Biocare** Active/Replace / **Straumann** Bone Level / **Astra** Osseo Speed TX
3i Full OSSEOTITE Tapered Certain / **Zimmer** Tapered / **Biohorizons** Internal

- Normal**
FRSM35
FRSR40
FRSW50
- Fracture**
FRSM35F
FRSR40F
FRSW50F

- FRSM35US
FRSR40US
FRSW50US

Remover Screw (TS/SS) **Remover Screw (US)**



FRSDM23
FRSDR25
FRSDW30



FRBM35S
FRBM35L
FRBR40S
FRBR40L
FRBW50S
FRBW50L

EFR Full KIT Surgical Instruments

Not included in the KIT

Remover Screw							
Nobel	Active		Replace				
	Normal	Fracture	Normal	Fracture			
	FRSMNA35 FRSR40 FRSW50	FRSMNA35F FRSR40F FRSW50F	FRSMNR35 FRSR40 FRSW50	FRSMNR35F FRSR40F FRSW50F			
Straumann	Bone Level		3i	Full Osseotite Tapered Certain		Biohorizons Internal	
	Normal	Fracture		Normal	Fracture	Normal	Fracture
	FRSM33 FRSRS41 FRSWS48	FRSM33F FRSRS41F FRSWS48F		FRSMI325 FRSRI40 FRSW50	FRSMI325F FRSRI40F FRSW50F	FRSRZ41 FRSWZ47 FRSWZ60	FRSRZ41F FRSWB46F FRSWB46F
Zimmer	Tapered		Astra	Osseo Speed TX		Remover Body	
	Normal	Fracture		Normal	Fracture	FRBW57S FRBW57L FRBUW60S FRBUW60L	
	FRSMZ37 FRSRZ41 FRSWZ47 FRSWZ60	FRSMZ37F FRSRZ41F FRSWZ47F FRSWZ47F		FRSMNA35 FRSRA40 FRSR40 FRSW50	FRSMNA35F FRSRA40F FRSR40F FRSW50F		

Remover Screw

- Acting as a support structure for reverse rotation of the remover body after connected and fixed to the fixture
- Used according to the type and diameter of the fixture to remove (Internal/submerged type products of 6 overseas companies, normal/fracture)
- Fracture used for removing fixtures with the hex entirely fractured
- Compatible with products of 6 overseas companies
- Recommended tightening torque : Regular/Wide 80Ncm, Mini 60Ncm
- T = Type ※ Disposable, Do not reuse



Osstem

T \ Mode	Mini Ø3.5 / -	Regular Ø4.0~4.5 / P4.8	Wide Ø5.0 / P6.0
TS/SS	Normal	FRSM35	FRSR40
	Fracture	FRSM35F	FRSR40F
US		FRSM35US	FRSR40US
KS	Normal	KSFRSM35	KSFRSR40
	Fracture	KSFRSM35F	KSFRSR40F

Nobel Biocare

T \ Mode	Mini Ø3.5	Regular Ø4.3	Wide Ø5.0/6.0
Active	Normal	FRSMNA35	FRSR40
	Fracture	FRSMNA35F	FRSR40F
Replace	Normal	FRSMNR35	FRSR40
	Fracture	FRSMNR35F	FRSR40F

Straumann

T \ Mode	Mini Ø3.3	Regular Ø4.1	Wide Ø4.8
Bone Level	Normal	FRSMS33	FRSRS41
	Fracture	FRSMS33F	FRSRS41F

Astra

T \ Mode	Mini Ø3.5	Regular Ø4.0	Regular Ø4.5	Wide Ø5.0
Osseo Speed TX	Normal	FRSMNA35	FRSRA40	FRSR40
	Fracture	FRSMNA35F	FRSRA40F	FRSR40F

3i

T \ Mode	Mini Ø3.25	Regular Ø4.0	Wide Ø5.0/6.0
Full Osseotite Tapered Certain	Normal	FRSMI325	FRSRI40
	Fracture	FRSMI325F	FRSRI40F

Zimmer

T \ Mode	Mini Ø3.7	Regular Ø4.1	Wide Ø4.7	Ultra-wide Ø6.0
Tapered	Normal	FRSMZ37	FRSRZ41	FRSWZ47
	Fracture	FRSMZ37F	FRSRZ41F	FRSWZ47F

Biohorizons

T \ Mode	Mini Ø3.8	Regular Ø4.6	Wide Ø5.8
Internal	Normal	FRSRZ41	FRSWZ47
	Fracture	FRSRZ41F	FRSWB46F

EFR Full KIT Surgical Instruments

Screw Driver

- Driver to connect and fix the remover screw to the fixture
- Recommended remover screw tightening torque : Regular/Wide 80Ncm, Mini 60Ncm
- F = Fixture



F	Mini	Regular	Wide
	FRSDM23	FRSDR25	FRSDW30

Torque Wrench

- Used to remove the fixture with the remover body after tightening with screw driver
- Torque applied up to 400Ncm (80/100/200/300/400Ncm scale display)
- Torque applied by aligning the center of the bar with the torque value to be applied by pulling the bar
- Washed and sterilized after use for storing



TW400B

Remover Body

- Instrument to exert torque in the fixture loosening direction by connecting to a remover screw
- Used according to the diameter of the fixture to remove
- ※ Disposable, Do not reuse
- F = Fixture



F	Mini	Regular	Only for osstem Wide	Only for overseas companies Wide	Ultra-wide
Short	FRBM35S	FRBR40S	FRBW50S	FRBW57S	FRBUW60S
Long	FRBM35L	FRBR40L	FRBW50L	FRBW57L	FRBUW60L

Fixture Wrench

- Wrench to remove fixture from the remover body



FRDFE

Torque Extension

- Screw driver and remover body length extension (up to 10mm)



OTE

Dr. Cho's Instrument KIT (DCHOKIT) 11.2017

- Optimal implant surgery KIT based on years of clinical know-how
- Consisted of 10 types of instruments (1ea each)

Periosteal Elevator (24G)

- Lifting mucosal periosteum after gingival tissue incision
- W : 4.2/4.0mm

EP24G-W

Minesota Retractor

- Securing a clear view by pulling the mouth, cheeks, etc.

RTCRM-W

Extension Hose Adapter

- Adapter for chair suction connection

SNKHA-W

Needle Holder (Crile-Wood, TC)

- Straight
- Tungsten carbide-treated beak
- L : 150mm (±5)

NHC150TC-W

Tissue Forcep (ADSON)

- Used to hold soft tissue
- No projections inside the beak
- L : 120mm (±5)

PT41-W

Titanium Suction Tip

- D(Inner Diameter) : 3.0mm

SN3TI-W

Dr.Cho's Instrument Pouch

- Used for storing and sterilization of instruments
- L : 550 X 400mm

WPB-W

Extension Hose

- Extension hose for chair suction connection
- Autoclave can be used
- Transparent silicone material

SNKHS-1-W

Periosteal Elevator (Selden)

- Lifting mucosal periosteum after gingival tissue incision
- W : 10/13mm

EP23-W

Periodontal Chisel

- Bone removal and formation
- W : 5.0mm

CHCO2-W

Osstem Basic Instrument KIT (OBKIT) 11.2017

- Universally used implant surgery KIT
- Consisted of 25 types of instruments (1ea each)

Periosteal Elevator (24G)

- Lifting mucosal periosteum after gingival tissue incision
- W : 4.2/4.0mm

EP24G-W

Pouch

- Used for storing and sterilization of instruments
- L : 470 X 400mm

WPA-W

Mirror

MHC-DMCS4-W

Chisel

- Bone removal and formation
- Oschenbien & fedi (curved)
- W : 5.0mm

CHCO2-W

Hemostats

- Mosquito (curved)
- L : 130mm (±5)

HTM130C-W

Scalpel Handle (Flat Type)

SHF-W

Needle Holder

- Mayo-Hegar
- Tungsten carbide-treated beak
- L : 160mm (±5)

NH160TC-W

Titanium Suction Tip

- D(Inner Diameter) : 3.0mm

SN3TI-W

Tissue Forcep ADSON

- No projections inside the beak
- L : 120mm (±5)

PT42-W

Osstem Basic Instrument KIT (OBKIT) 11.2017

Periosteal Elevator (Selden)

- In case of Genival tissue flap, retract and fix
 - W : 10/13mm
- EP23-W

Scissor (LaGrange)

- Compound (curved)
 - L : 115mm (±5)
- SCLC115-W

Surgical Curettes (Gracey)

CGR11-12-W

Surgical Curettes (Surgical Curettes, CM11)

URCM11-W

Caliper

- Castroviejo
- LPC90-W

Bone Well

BWSUS1-W

Minesota Retractor

RTCRM-W

Towel Clamp

- Towel Clamp, Backhaus
 - L : 135mm (±5)
- CPTC135-W

Periosteal Elevator (MOLT9)

- Lifting mucosal periosteum after gingival tissue incision
 - W : 10/13mm
- EP9-W

Scalpel Handie (Straight Type)

SHS-W

Scissor (Tissue Scissor)

- Straight
 - L : 150mm (±5)
- SCTC115-W

Mallet

- Autoclave can be used
- ML25-W

Tweezer (Wide)

- L : 155mm
- PCW150-W

Bone Rongeurs

- Friedman
 - L : 140mm (±5)
- RNGF140-W

Surgical Curettes (Surgical Curettes, CM10)

URCM10-W

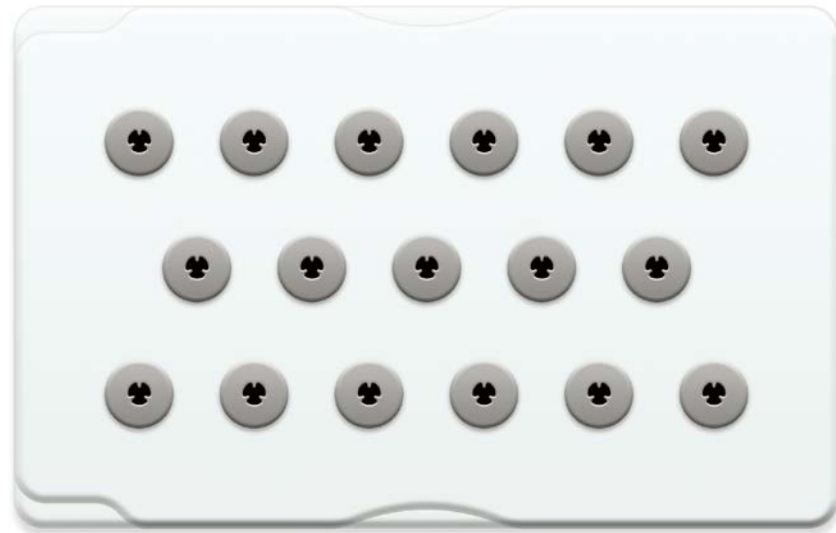
Periosteal elevator (Prichard)

- W : 11/4.9mm
- EPPR3-W



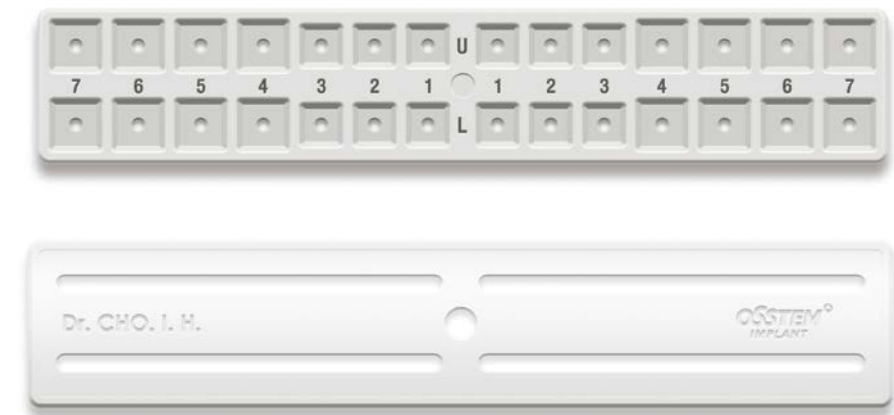
Custom KIT (OCTK) ^{01.2009}

- KIT used to disinfect some of the surgical instruments or to store new spare tools
- Additional 3 types of rubber (large, medium, small) which can be used according to user preference
- Sterilizable material (132°C, 15 minutes)



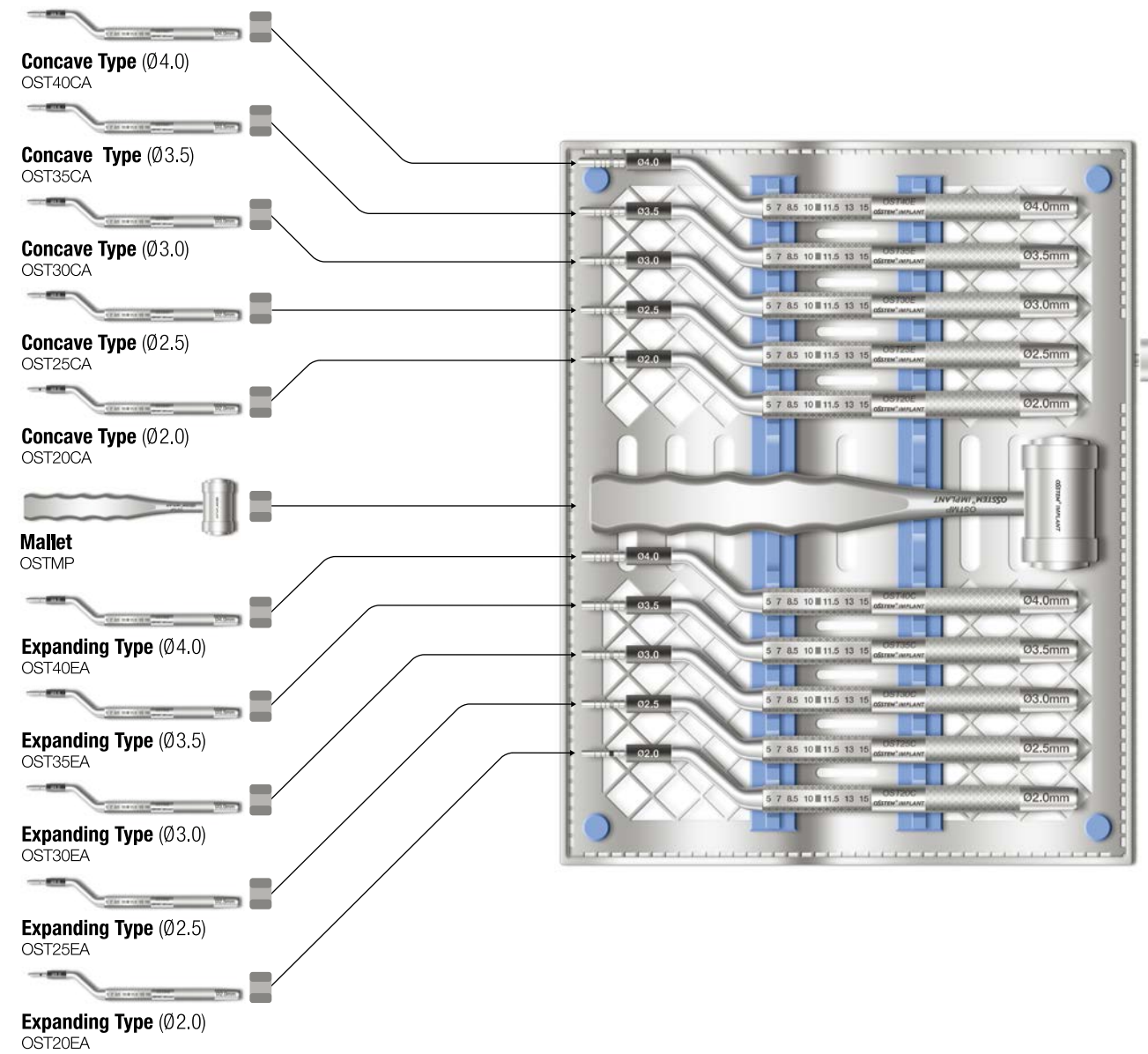
Healing Case (OHAC) ^{02.2018}

- Case for temporary storage and cleaning of Healing Abutment during the prosthesis procedure
 - Upper prosthesis for additional mounting : Transfer / Temporary / Angled / Cover Screw / Pick-up & Transfer Impression coping / OB Anchor / temporary crown (Only the Healing Abutment can be combined with the top plate.)
 - Like the tooth arrangement, a total of 28 cells are composed of 7 cells each in the upper / lower and left / right sections
 - Sterilizable material (132°C, 15 minutes), sterilization required for reusing the case
- ※ This product is not a case for reuse of Healing Abutment



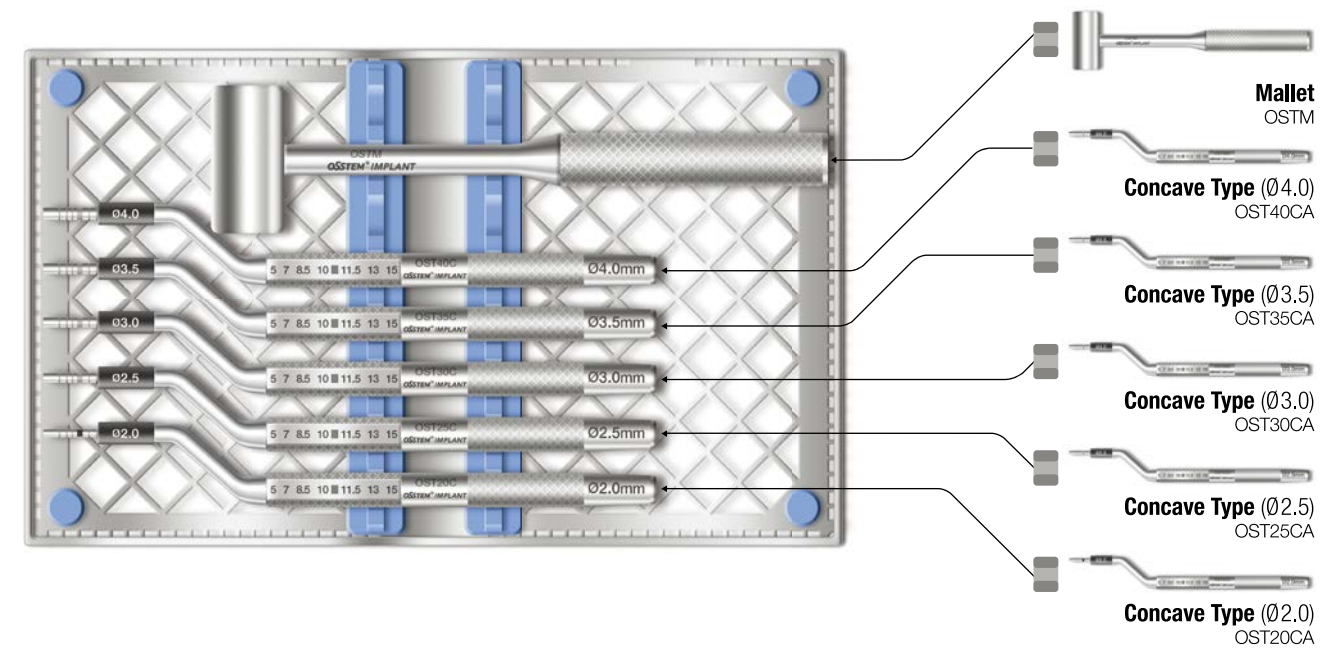
Osteo KIT (OSTK) ^{01.2009}

- KIT used for maxillary sinus floor elevation to vertically increase the amount of alveolar bone available in the maxillary anterior region
- Expanding osteotome : KIT used to increase the initial fixation stability of the implant by densifying the trabeculae of bone while preserving the bone instead of removing it from low quality bones
- Stopper for adjusting the depth of procedure



Osteotome KIT (AOST) ^{09.2011}

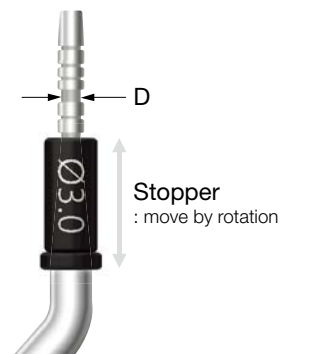
- KIT used for maxillary sinus floor elevation to vertically increase the amount of alveolar bone available in the maxillary anterior region
- Concave type only
- Stopper for adjusting the depth of procedure



Osteotome Stopper ^{05.2018}

- Stopper for procedure depth adjustment, sold separately

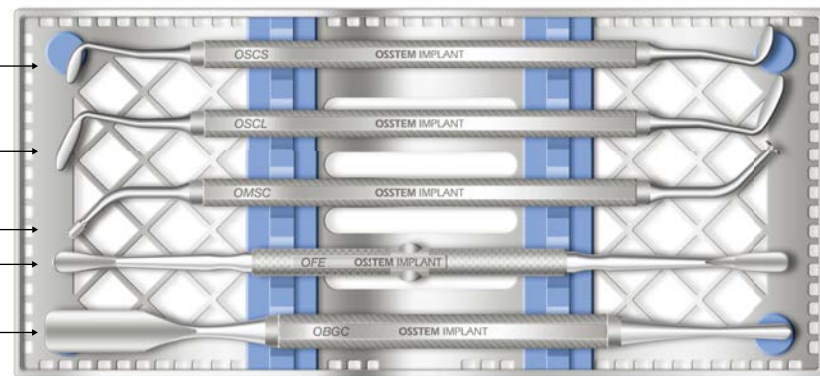
D	Ø2.0	Ø2.5	Ø3.0	Ø3.5	Ø4.0
	OST20SH	OST25SH	OST30SH	OST35SH	OST40SH



Sinus KIT (ASLK) 01.2009

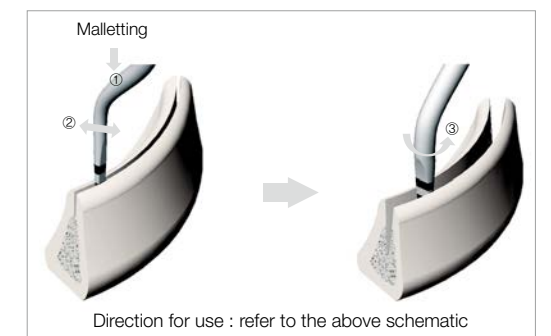
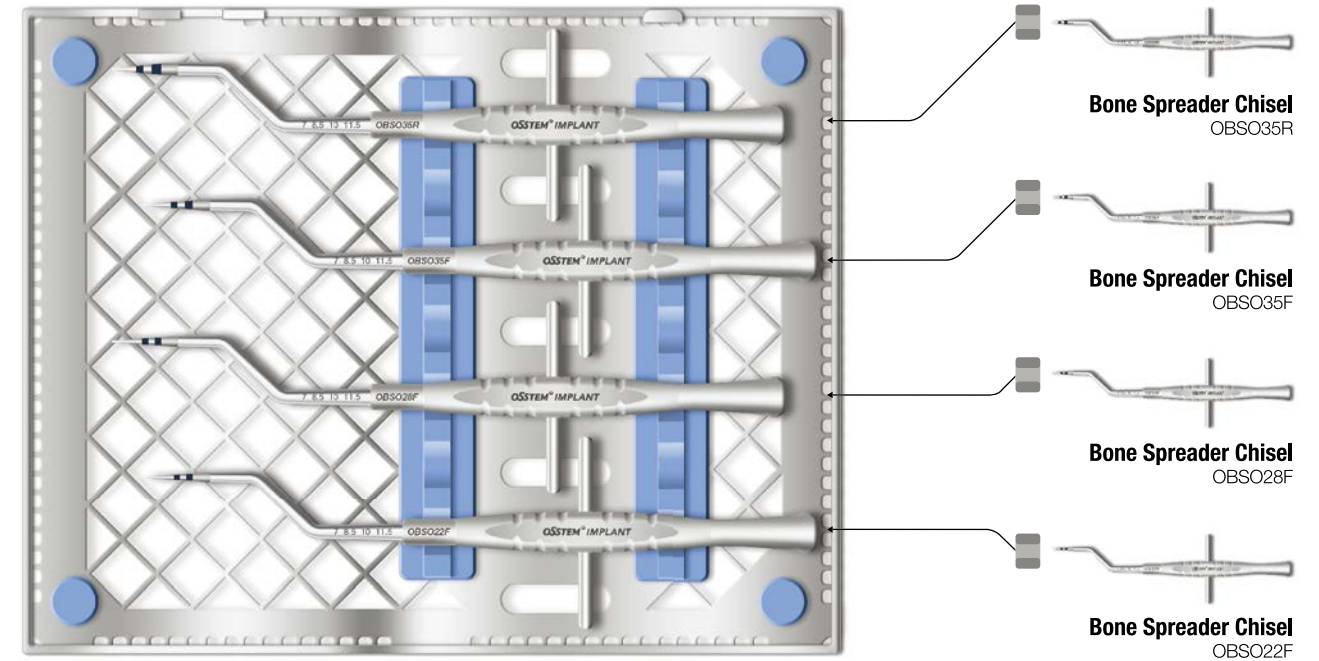
- KIT containing various tools for maxillary sinus floor elevation (sinus procedure)
- Lateral approach instrument for sinus
- Components (5 types)
 - Freer elevator : OFE
 - Bone Graft Carrier : OBGC
 - Membrane Separator (Circle type) : OMSC
 - Sinus Currette-Short : OSCS
 - Sinus Currette-Long : OSCL

- Sinus Currette : Short**
OSCS
- Sinus Currette : Long**
OSCL
- Membrane Separator (Circle Type)**
OMSC
- Freer Elevator**
OFE
- Bone Graft Carrier**
OBGC

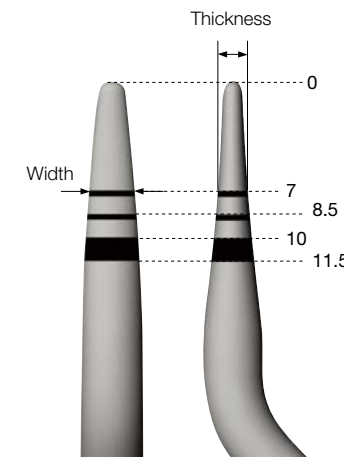


Bone Spreader KIT (OBSOK) 01.2009

- KIT used for expanding narrowed alveolar ridge
- Offset type convenient for surgery
- Components (4 types)
 - OBSO22F, OBSO28F, OBSO35F, OBSO35R



- Use for alveolar bone expansion
- Offset type for easy operation
- Depth marking corresponding to the implant length

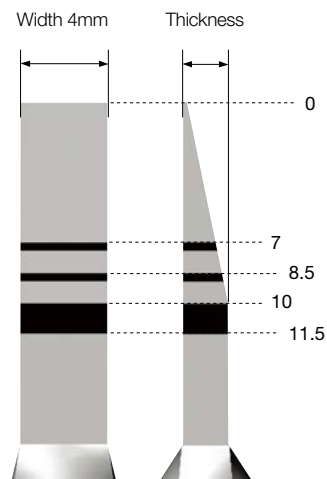
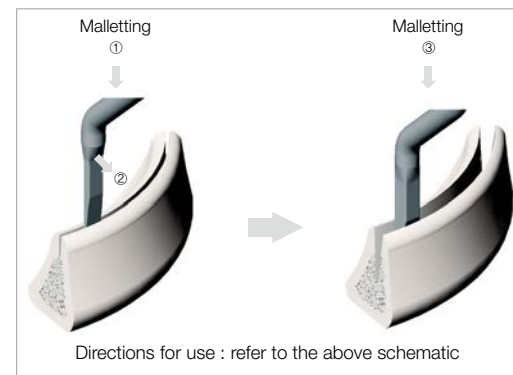
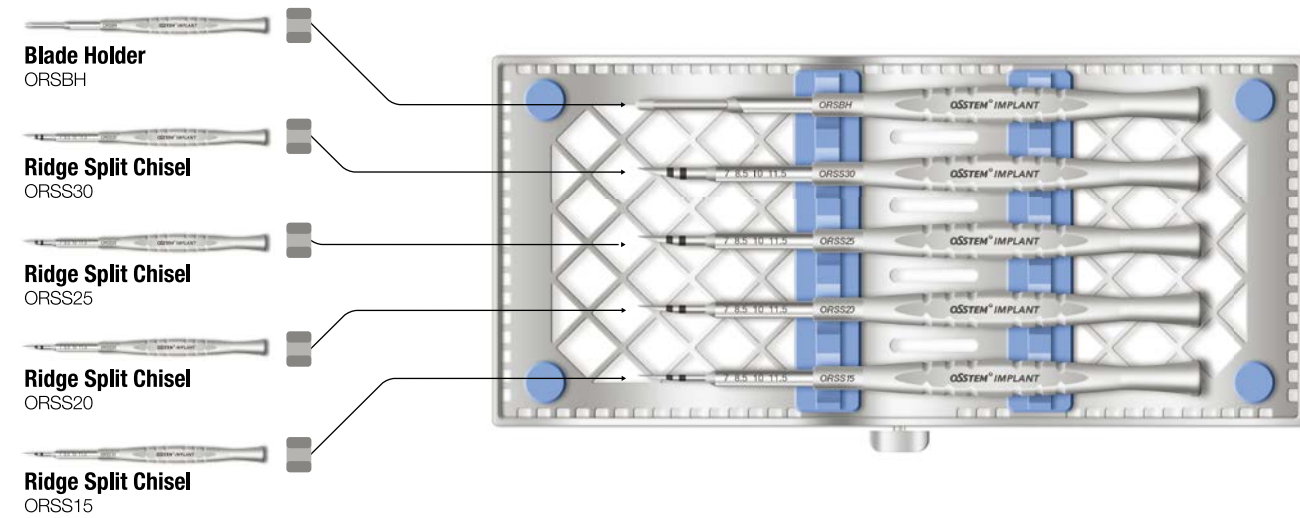


		(Unit : mm)				
Code	Spec.	Tip length	7	8.5	10	11.5
OBSO22F	Thickness		1.15	1.3	1.45	1.6
	Width		2.1	2.2	2.2	2.2
OBSO28F	Thickness		1.15	1.3	1.45	1.6
	Width		2.65	2.8	2.8	2.8
OBSO35F	Thickness		1.3	1.45	1.6	1.8
	Width		3.3	3.5	3.5	3.5
OBSO35R (round type)	Thickness		1.85	2.1	2.3	2.55
	Width		3.3	3.5	3.5	3.5

Ridge Split KIT Straight (ORSSK) 01.2009

Straight

- Chisel : Used for expanding narrowed alveolar ridge
- Blade Holder : Malleting enabled by tightening a #15 blade when it is difficult to make a bone incision using bur due to low bone quality
- Components
 - Ridge Split Chisel : ORSS15, ORSS20, ORSS25, ORSS30
 - Blade Holder : ORSBH

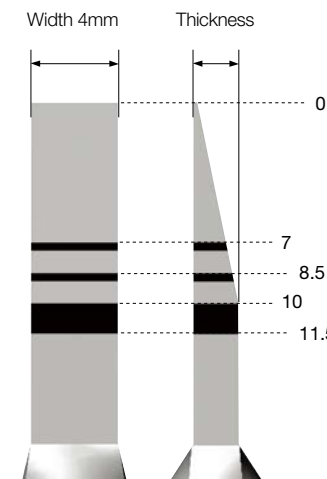
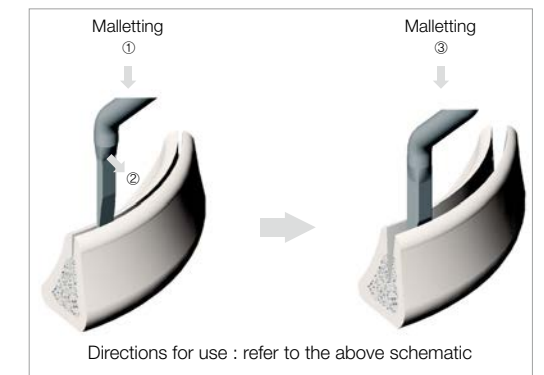
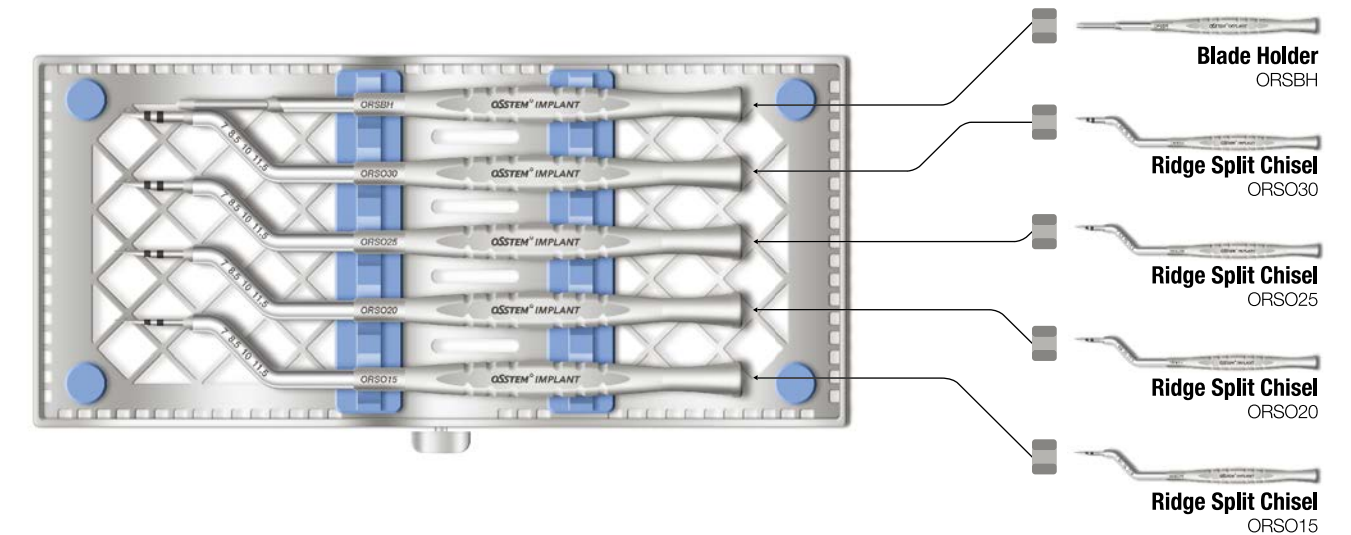


		(Unit : mm)				
Code	Spec.	Tip length	7	8.5	10	11.5
ORSS15	Thickness		1.1	1.27	1.5	1.5
	Width		4	4	4	4
ORSS20	Thickness		1.45	1.7	2.0	2.0
	Width		4	4	4	4
ORSS25	Thickness		1.8	2.15	2.5	2.5
	Width		4	4	4	4
ORSS30	Thickness		2.15	2.5	3.0	3.0
	Width		4	4	4	4

Ridge Split KIT Offset (ORSOK) 01.2009

Offset

- Chisel : Used for expanding narrowed alveolar ridge
- Blade Holder : Malleting enabled by tightening a #15 blade when it is difficult to make a bone incision using bur due to low bone quality
- Components
 - Ridge Split Chisel : ORSO15, ORSO20, ORSO25, ORSO30
 - Blade Holder : ORSBH



		(Unit : mm)				
Code	Spec.	Tip length	7	8.5	10	11.5
ORSO15	Thickness		1.1	1.27	1.5	1.5
	Width		4	4	4	4
ORSO20	Thickness		1.45	1.7	2.0	2.0
	Width		4	4	4	4
ORSO25	Thickness		1.8	2.15	2.5	2.5
	Width		4	4	4	4
ORSO30	Thickness		2.15	2.5	3.0	3.0
	Width		4	4	4	4

OSSTEM[®]
IMPLANT



GBR & DENTAL MATERIAL

GBR

- 532** Resorbable Membrane
- 534** Builder Type
- 540** OssBuilder KIT
- 542** AutoBone Collector
- 543** Membrane Fixation Screw
- 546** GBR KIT

IMPRESSION MATERIALS

- 550** Impression Materials **HySil**
- 554** Impression Materials **SuFlex**
- 556** Impression Materials **Ivoclar Vivadent**
- 557** Impression Materials **Accessory**

ETC

- 560** Dental Local Anesthesia
- 562** SlowJec & SlowJec plus
- 563** AIC Consulting Model
- 565** Xenograft
- 566** Allograft
- 567** Magic

Resorbable Membrane Collagen

NEW 2020

OssMem Soft

- Bovine collagen
- Use of Qualified New Zealand bovine
- Excellent blood wettability
- Reversible use
- Safe from crosslinking agent
- Manufacturer : Osstem Implant Co., Ltd., South Korea
- T = Thickness

mm \ T	0.35mm
15 × 20	OCMS1520
20 × 30	OCMS2030
30 × 40	OCMS3040



NEW 2020

OssMem Hard

- Bovine collagen
- Use of Qualified New Zealand bovine
- Hard type membrane acting as a "tent-pole"
- Collagen membrane safe from crosslinking agent
- Easy handling
- Manufacturer : Osstem Implant Co., Ltd., South Korea
- T = Thickness

mm \ T	0.35mm
15 × 20	OCMH1520
20 × 30	OCMH2030
30 × 40	OCMH3040



Builder Type



OssBuilder®

- 3D pre-formed design, no trimming/bending needed
 - 3D pre-formed Titanium mesh to fit the geometry of bone defect
 - Available in various sizes
 - Mesh type membrane with no risk of exposure
 - Non-wrinkling membrane with 3D pre-formed design
 - The builder is anchored to the implant by screws to secure bone graft material and builder firmly in place
 - Excellent bone regeneration
 - Pores formed throughout the builder to facilitate blood flow
 - Choose either non-submerged or submerged as needed
 - Non-submerged surgery with healing cap
 - Submerged surgery with cover cap
 - Simultaneous GBR + fixture placement : healing cap or cover cap + OssBuilder + OB anchor + fixture
 - Narrow or insufficient residual bone : healing cap or cover cap + OssBuilder + tenting screw
- ※ Single use only. Do not reuse

- ☑ SMART 3D Design
- ☑ SMART Handling
- ☑ SMART Covering
- ☑ SMART Conduction
- ☑ SMART Healing

OB2 Lateral Builder

Titanium membrane for reconstructing minor vertical/horizontal bone loss in the socket extraction, fenestration, and dehiscence defects



OB3 Jaw Builder

Titanium membrane capable of ridge augmentation (vertical/horizontal) up to 5~10mm for severely atrophic alveolar ridge

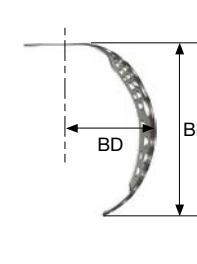


OB2 Lateral Builder ^{11.2011}

P = Proximal
BW = Buccal Width
BL = Buccal Length
BD = Buccal Distance

Augmentation

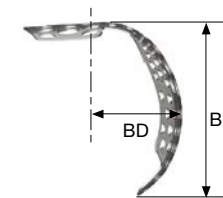
1 Wall



	P	BW	BL	BD	
	4	8	7	5.5	SM1W487SB
	4	10	7	5.5	SM1W4107SB
	4	10	9	5.5	SM1W4109SB

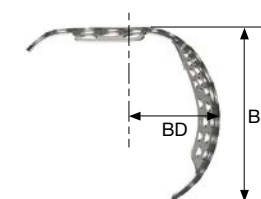
2 Wall

Buccal-Proximal



	7	9	7	5.5	SM2W797SB
	7	9	9	5.5	SM2W799SB
	10	12	7	5.5	SM2W10127SB
	10	12	9	5.5	SM2W10129SB
	12	12	7	5.5	SM2W12127SB
	12	12	9	5.5	SM2W12129SB

3 Wall



	7	9	7	5.5	SM3W797SB
	7	9	9	5.5	SM3W799SB
	10	12	7	5.5	SM3W10127SB
	10	12	9	5.5	SM3W10129SB
	12	12	7	5.5	SM3W12127SB
	12	12	9	5.5	SM3W12129SB

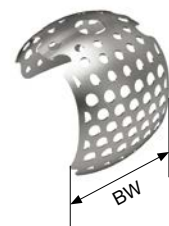
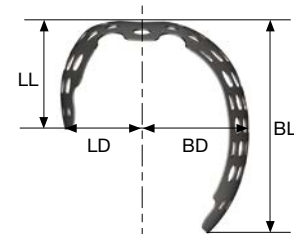
Builder Type

OB3 Jaw Builder

BW = Buccal Width
 BL = Buccal Length
 LL = Lingual Length
 BD = Buccal Distance
 LD = Lingual Distance

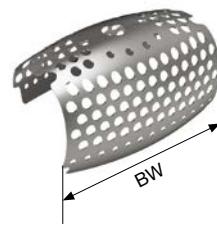
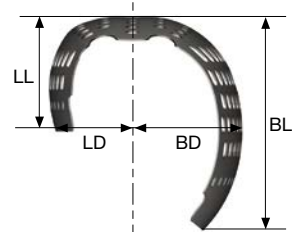
Augmentation

Horizontal



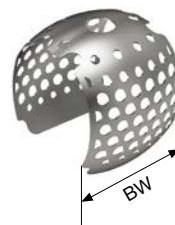
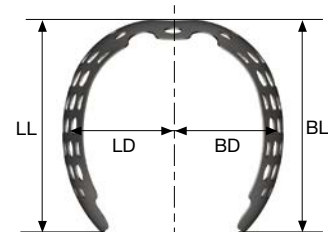
	BW	BL	LL	BD	LD	
	10	7	3.5	5.5	3.7	SB3H107F
	10	9	4.5	5.5	3.7	SB3H109F
	10	11	6	5.5	3.7	SB3H1011F

Horizontal



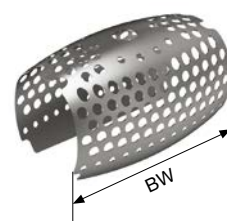
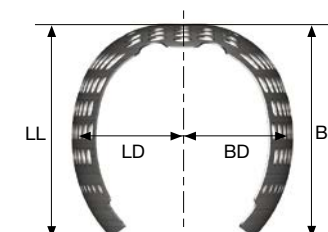
	20	7	3.5	5.5	3.7	SB3H207F
	20	9	4.5	5.5	3.7	SB3H209F
	20	11	6	5.5	3.7	SB3H2011F

Vertical



	10	7	7	5.5	5.5	SB3V107F
	10	9	9	5.5	5.5	SB3V109F
	10	11	11	5.5	5.5	SB3V1011F

Vertical

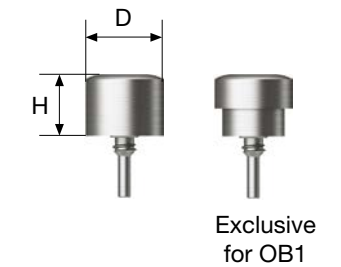


	20	7	7	5.5	5.5	SB3V207F
	20	9	9	5.5	5.5	SB3V209F
	20	11	11	5.5	5.5	SB3V2011F

Builder Type Components

Healing Cap (TS) 04.2015

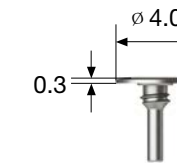
- Non-submerged procedure
 - Compatible with OB2 and OB3
 - Use 0.9 hex hand driver
 - Recommended tightening torque : 5~8Ncm
- ※ Single use only. Do not reuse



D \ H	3.0	4.0
ø4.0	SBHC4030	SBHC4040
ø5.0	SBHC5030	SBHC5040

Cover Cap (TS) 04.2015

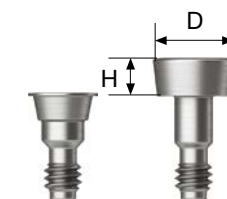
- Submerged procedure
 - Compatible with OB2 and OB3
 - Use 0.9 hex hand driver
 - Recommended tightening torque : 5~8Ncm
- ※ Single use only. Do not reuse



D \ H	0.3
ø4.0	SBCC4000

OB Anchor (TS) 04.2015

- Exclusive for TS fixture (shoulder contact)
 - Compatible with OB2 and OB3
 - Use 0.9 hex hand driver
 - Recommended tightening torque : 12~15Ncm
- ※ Single use only. Do not reuse



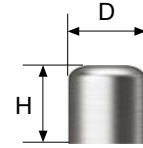
D \ H	0	0.5	1.0	1.5	2.0	2.5	3.0
ø3.5	SBAC3500TSM	SBAC3505TSM	SBAC3510TSM	SBAC3515TSM	SBAC3520TSM	SBAC3525TSM	SBAC3530TSM
ø4.0	SBAC4000TSR	SBAC4005TSR	SBAC4010TSR	SBAC4015TSR	SBAC4020TSR	SBAC4025TSR	SBAC4030TSR

Builder Type Components

Healing Cap (US) ^{11.2011}

- Non-submerged procedure
- Compatible with OB2 and OB3
- Use 1.2 hex hand driver
- Recommended tightening torque : 5~8Ncm

※ Single use only. Do not reuse



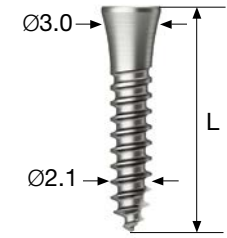
D \ H	3.0	4.0
Ø4.0	SMHA443R	SMHA444R
Ø5.0	SMHA553R	SMHA554R

Tenting Screw

Internal Type ^{01.2016}

- Shorter than external type for ease of suturing
- Utilized in place of fixture for inadequate bone mass or narrow ridge
- Compatible with OB2 and OB3
- Recommended insertion depth : hard/normal bone 3~5mm, soft bone 5mm or more
- Use 0.9 hex torque driver for slow insertion
- Compatible with cover cap(TS) and healing cap(TS)

※ Single use only. Do not reuse

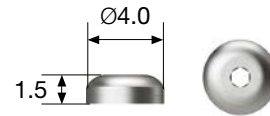


L	8.5	10	11.5	13
	SBS2008I	SBS2010I	SBS2011I	SBS2013I

Cover Cap (US) ^{11.2011}

- Submerged procedure
- Compatible with OB2 and OB3
- Use 0.9 hex hand driver or cover cap driver
- Recommended tightening torque : 5~8Ncm

※ Single use only. Do not reuse



D \ H	1.5
Ø4.0	SMCC415

Defect Gauge ^{11.2011}

- Measures vertical/horizontal defects
- 1mm scale marking line (4-5, 9-10, 14-15 bold line)
- ※ By measuring the exact amount of bone defects, defect gauge requires no trimming/bending when selecting the appropriate type of OssBuilder and allows for stable adaptation

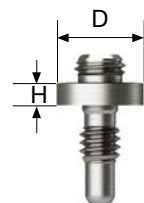


SMDG

OB Anchor (US) ^{04.2012}

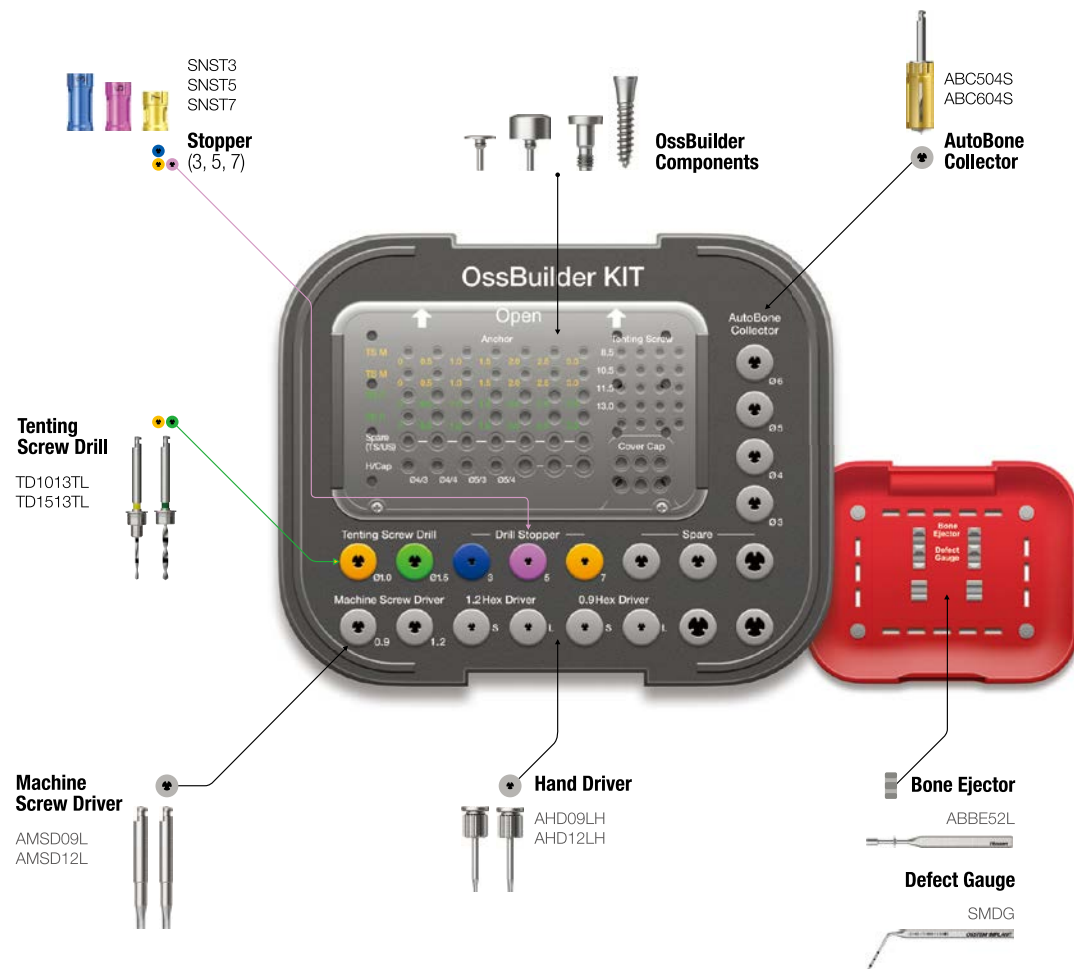
- Exclusive use for US fixture
- Compatible with OB2 and OB3
- Use 1.2 hex hand driver
- Recommended tightening torque : 12~15Ncm

※ Single use only. Do not reuse



D \ H	1.0	1.5	2.0	2.5	3.0
Ø3.5	SMHI310USM	SMHI315USM	SMHI320USM	SMHI325USM	SMHI330USM
Ø4.0	SMHI410USR	SMHI415USR	SMHI420USR	SMHI425USR	SMHI430USR
Ø5.1	SMHI510USW	SMHI515USW	SMHI520USW	SMHI525USW	SMHI530USW
Ø5.0	SMHI510USP	SMHI515USP	SMHI520USP	SMHI525USP	SMHI530USP

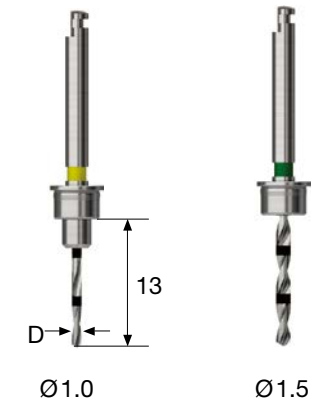
- Incorporates all necessary tools for GBR procedure
- Convenient GBR procedure by using OssBuilder OB2 and OB3, along with OB anchor, cover cap and healing cap.
- Use of the tenting screw allows users to deal with extensive vertical/horizontal bone loss even in narrow ridges
- Use of AutoBone collector allows for immediate autogenous bone harvesting



Tenting Screw Drill 09.2013

- Use in drilling before inserting the tenting screw
- Hard bone : use Ø1.5 / normal, soft bone : use Ø1.0 drill
- Laser marking : 1, 2, 3, 4, 5, 6, 7, 8mm marking lines
- Recommended drilling speeds : 1200~1,500rpm
- Stopper size to connect : 3~7mm

L	D	Ø1.0	Ø1.5
13		TD1013TL	TD1513TL



Stopper 10.2010

- Use by connecting with tenting screw drill

L	3	5	7
	SNST3	SNST5	SNST7



	Item	Specification	Default/Option	
Middle plate	Tenting Screw Drill	Ø1.0, Ø1.5	Default	
	Stopper	3, 5, 7mm	Default	
	Machine Screw Driver	0.9 hex long, 1.2 hex long	Default	
	Hex Hand Driver	0.9 hex long, 1.2 hex long	Default	
	AutoBone Collector		Ø3.0, Ø4.0	Option
			Ø5.0, Ø6.0	Default
	OB Anchor		TS mini, regular(0~1.5mm)	Default
			TS mini, regular(2.0~3.0mm)	Option
	Healing Cap		Ø4.0, Ø5.0(3, 4mm)	Default
	Tenting Screw		8.5, 10, 11.5, 13mm	Default
Cover Cap		-	Default	
Bottom plate	Bone Ejector		Default	
	Defect Gauge		Default	

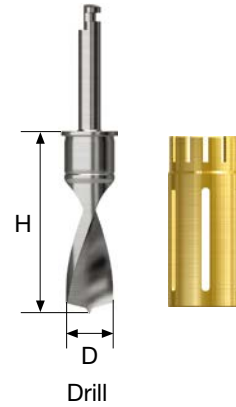
AutoBone Collector



AutoBone Collector® 06.2012

- Comes in Ø3.0 to 6.0 sizes, Drill + Stopper set
- Recommended drilling speeds : 300 ~ 600rpm
- Use of drill and stopper : 50times
- ※ Before initial drilling, connect the stopper to the first stage locking and harvest autogenous bone while drilling 4mm into the second stage locking (after harvesting, stop the drill and remove it as is with autogenous bone kept in the stopper)

L \ D	Ø3.0	Ø4.0	Ø5.0	Ø6.0
Short	ABC304S	ABC404S	ABC504S	ABC604S
Long	ABC304L	ABC404L	ABC504L	ABC604L



Stopper 03.2013

- Can be inserted up to 4mm to harvest cortical bone (stops at a drilling depth of 4mm)
- Stores the autogenous bone harvested from the drilling

L \ D	Ø3.0	Ø4.0	Ø5.0	Ø6.0
Short	ABC2ST304S	ABC2ST404S	ABC2ST504S	ABC2ST604S
Long	ABC2ST304L	ABC2ST404L	ABC2ST504L	ABC2ST604L



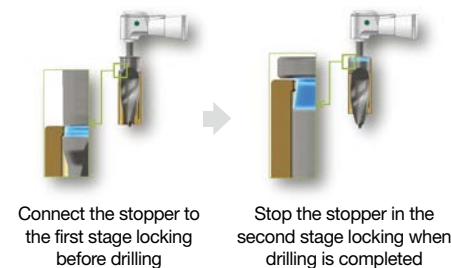
Bone Ejector

- Surgery tool for removing the harvested autogenous bone from the stopper

D	Ø3.0 / Ø4.0 / Ø5.0 / Ø6.0
	ABBE52L



2 stage locking structure
stopper locking guide

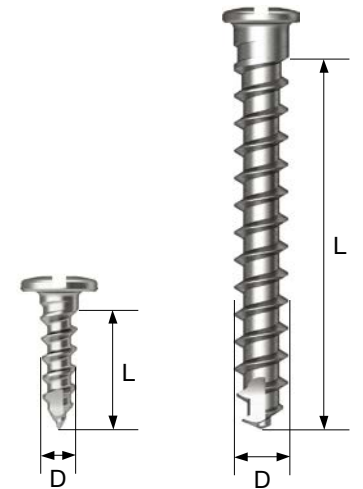


※ Please watch "how-to" video for details

Membrane Fixation Screws

Bone Screw

- Machine surface
 - Material : Ti-6Al-4V
 - Ø1.2**
 - Non-resorbable membrane, fixation screw for OssBuilder
 - Sharp point screw capable of self-drilling
 - Improved fixation for fracture and bending
 - Ø1.4**
 - Non-resorbable membrane, fixation screw for bone plate
 - Sharp point screw capable of self-drilling
 - Improved fixation for fracture and bending
 - Ø2.0**
 - Fixation screw for block bone
 - Pre-drill required before insertion (no self-drilling function)
- ※ Single use only. Do not reuse



D Ø1.2

D \ L	3	4	5
	BSCH1203	BSCH1204	BSCH1205

D Ø1.4

D \ L	4	6	8
	BSCH1404	BSCH1406	BSCH1408

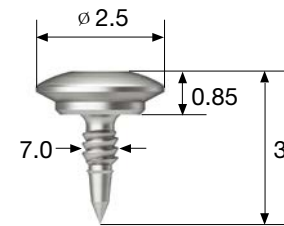
D Ø2.0

D \ L	8	10	12	14	16
	BSCH2008	BSCH2010	BSCH2012	BSCH2014	BSCH2016

Membrane Fixation Screws

Bone Tack ^{10.2018}

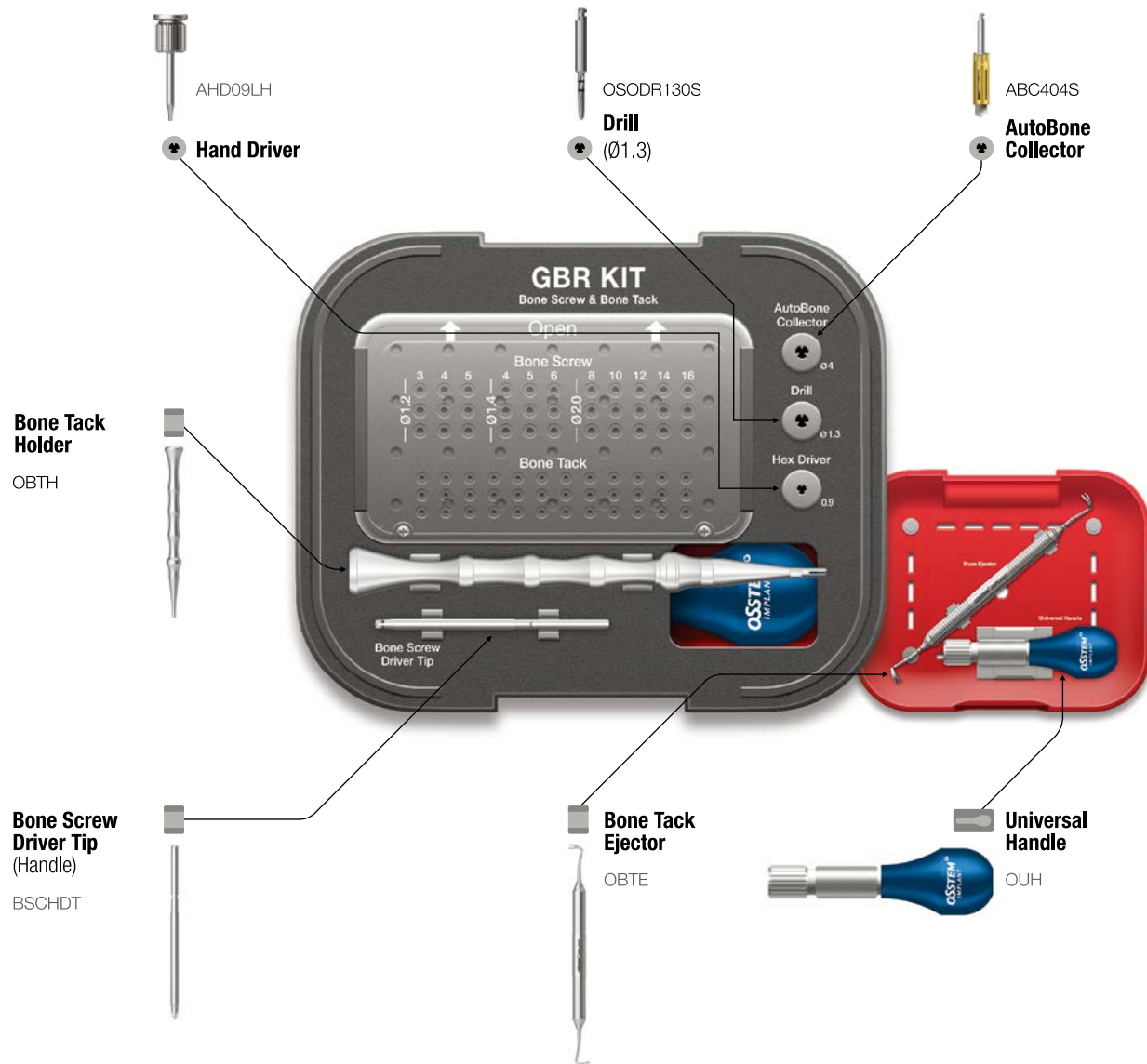
- Membrane fixation screw
 - Machine surface
 - Material : Ti-6Al-4V
- ※ Single use only. Do not reuse



D \ L	3.0
$\varnothing 2.5$	OBT3

GBR KIT (ONGBRK) 10.2018

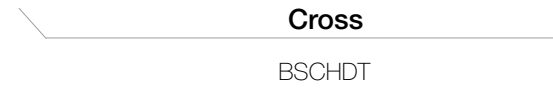
• Incorporates all necessary tools for GBR procedure, including bone screw and bone tack



GBR KIT Surgical Instruments - Bone Screw For Bone Screw Only

Bone Screw Driver Tip (Handle)

- For use by connecting with universal handle
- Tighten the bone screw upright fully before use



Universal Handle

- For use with bone screw driver tip (handle)



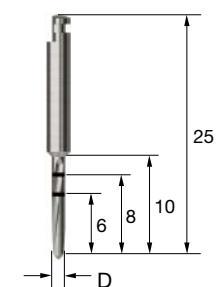
Bone Screw Driver (Engine)

- For use by connecting with engine
- Tighten the bone screw upright fully before use



Ø1.3 Drill

- For use with Ø 2.0 bone screw
- Recommended drilling speeds : 800rpm



GBR KIT Surgical Instruments - Bone Tack For Bone Tack Only

Bone Tack Holder ^{10.2018}

- Used for holding the bone tack
- Design for stable grasping
- Anti-rotation feature
- Store after connecting with a cap in place



OBTH

Bone Tack Ejector ^{10.2018}

- For removing the bone tack
- Leverage-based design for easy removal
- ※ If the bone tack covered with bone prevents the ejector from being inserted, use 0.9 hex driver to reverse and lift the bone tack before using the ejector.



OBTE


OSSTEM[®]
IMPLANT


Impression Materials HySil

HySil


- Super hydrophilic VPS impression material capable of accurate impression-taking
- Sufficient working time, fast intraoral setting time
 - Working time : 1min (mono, light, extra light), 2min (putty, heavy, heavy for auto, mono)
 - Setting time : 4min
- High quality raw material from Germany


50ml Cartridges

Light Body	4 cartridges	ESS50L	
		ESS50LS NEW 2020	
	15 cartridges	ESS50LB	
		ESS50LSB NEW 2020	


Mono Body	4 cartridges	ESS50M	
		ESS50MS NEW 2020	
	15 cartridges	ESS50MB	
		ESS50MSB NEW 2020	


Regular


Bite	4 cartridges	ESS50B	
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Heavy Body	4 cartridges	ESS50H	
		ESS50HS NEW 2020	
	15 cartridges	ESS50HB	
		ESS50HSB NEW 2020	

50ml Cartridges

Light Body	4 cartridges	ESS50LF	
	15 cartridges	ESS50LFB	

Fast	Mono Body	4 cartridges	ESS50MF	
		15 cartridges	ESS50MFB	

Heavy Body	4 cartridges	ESS50HF	
	15 cartridges	ESS50HFB	

Putty

Putty	Base 400ml	ESS400P	
	Catalyst 400ml		

Impression Materials HySil

380ml Automix Cartridges

Mono body

2 cartridges

ESS380M
ESS380MS **NEW 2020**



Heavy body

2 cartridges

ESS380H
ESS380HS **NEW 2020**



OSSTEM[®]
IMPLANT

Impression Materials SuFlex

SuFlex

- Premium VPS impression material made by excellent German technology
- Fast setting for rapid impression-taking
 - Working time : 1min
 - Setting time : 1min 30sec
- Excellent thixotropy for accurate impression-taking

50ml Cartridges

Light Body (Blue)

2 cartridges (12 mixing tips)
10 cartridges (50 mixing tips)

SUF50LA
SUF50LB



Mono Body

2 cartridges (12 mixing tips)
10 cartridges (50 mixing tips)

SUF50MA
SUF50MB



Heavy Body

2 cartridges (12 mixing tips)
10 cartridges (50 mixing tips)

SUF50HA
SUF50HB



Putty

Putty

Base 450ml
Catalyst 450ml

SUFPA



380ml Automix Cartridges

Auto Mono Econo Refill

Base 317ml (1ea)
Catalyst 63ml (1ea)

SUFAMO



Auto Heavy Econo Refill

Base 317ml (1ea)
Catalyst 63ml (1ea)

SUFAHO



Impression Materials Ivoclar Vivadent

Ivoclar Vivadent Virtual® 07.2008

- Flexible working times and fast setting
- Working time : regular 1min 30sec, fast 1min (CAD bite 30sec)
- Setting time : regular 4min30sec, fast 2min30sec (CAD bite 45sec)
- Excellent legibility and compatibility
- Fresh peppermint scent
- 2 cartridges



50ml CADBite Registration

607908

Impression Materials Accessory 02.2017

HyMix

- AutoMix for reduced material costs and easy impression-taking
- Alarm setting available for hardening time (Max. 7min)
- Compatible with 362 and 380ml cartridges

DSD-IMI-0100



Ivoclar Vivadent Virtual® 380 07.2008

- Fast set type VPS impression material
- Setting time : 2min 30sec
- 380ml large cartridge for AutoMix
- Excellent legibility and compatibility
- Fresh mint scent



Monophase

594835

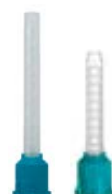
Heavy

594836

Impression Materials Accessory

Mixing Tips & Accessories Premium / Sulzer Mixpac Authentic

50ml Heavy Body Mixing Tip 50 (old model) 87mm SUF50GM
 50ml Heavy Body Mixing Tip 50 (new model) 57mm JFSTG50



50ml Light Body Mixing Tip 50 (old model) 70mm SUF50YM
 50ml Light Body Mixing Tip 50 (new model) 50mm JFSTY50



50ml Light Body Oral Tip 96 SUFOT96
 50ml Bite Registration Tip 100 JFSBT100



380ml Suflex Auto Mixing Tip 50 SUFAM380



50ml Dispenser Gun (old model) SUF50DA
 JFS50DA



50ml Dispenser Gun (new model) JFS50DB

Mixing Tips & Accessories Regular

380ml Cartridge Mixing Tip 50 MT380



Bayonet Ring 2 66036078



50ml Mono Body Mixing Tip 100 S-P100
 50ml Mono Body Mixing Tip 50 S-P50



50ml Mono Body Oral Tip 100 S-OP100
 50ml Light Body Oral Tip 100 S-OY100



50ml Heavy Body Mixing Tip 300 OMTH300
 50ml Heavy Body Mixing Tip 100 OMTH100



50ml Light Body Mixing Tip 300 OMTL300
 50ml Light Body Mixing Tip 100 OMTL100



380ml Cartridge Mixing Tip 50 OMTA50 2020.03



Dental Local Anesthetics

Lidocaine

- Huons Lidocaine (Epinephrine)
- Price : 1:100,000 356KRW / 1:80,000 420KRW
- Packing unit : (1.8ml x 50catridge) x 10box

1:80,000 LDCE08H 1:100,000 LDCE10H



3M Xylestesin

- Lidocaine (Epinephrine)
- Price : 1:80,000 410KRW
- Packing unit : (1.8ml X 50catridge) X 10box
- Silicone-coated, minimizing pain in local anesthetic injection
- Smooth and gentle injection

1:80,000 XYL08H



SlowJec

- Slow injection, minimizing pain by minimizing pressure changes during anesthesia
- Automatic pause when over-pressure is detected. Injection resumes automatically as pressure decreases
- Automatic injection reduces user's fatigue and allows a fixed-quantity injection
- Easy-to-use wireless and voice guidance

SLOWJEC



Articaine

- Huons Articaine (Epinephrine)
- Fast hydrolysis in blood and tissue
- Price : 1:100,000 373KRW
- Packing unit : (1.8ml x 50catridge) x 10box

1:100,000 ATCE10H



Dental Local Anesthetics

SlowJec Plus NEW 2020

- Slow injection, minimizing pain by reducing pressure changes during anesthesia
- Fast return to reference position (10sec), time reduction in ample replacement
- Automatic injection reduces user's fatigue
- Easy-to-use wireless voice guidance
- Enhanced ease of use with intuitive simplification of functions
- Easy ample replacement

DSD-PLA-0100



AIC Consulting Model for patients

AIC Consulting Model 1st

- Maxillary sinus graft & GBR (5 fixtures inserted)
- Comparison of submaxillary bridge & implant (1 fixture inserted)

AICCM001



AIC Consulting Model 2nd

- Submaxillary implant overdenture model
- Submaxillary implant overdenture (4 fixtures inserted)

AICCM002



AIC Consulting Model 3rd

- Implant case model for each region in maxillary
- Maxillary posterior region
 - Right : ridge split (3 fixtures inserted)
 - Left : GBR (2 fixtures inserted)
- Comparison of anterior maxillary bridge & implant (1 fixture inserted)

AICCM003



AIC Consulting Model for patients

AIC Consulting Model 4th

- South Korea's first skull model with comprehensive descriptions of dental implant cases
- Maxillary posterior region
 - Right : maxillary floor sinus augmentation
 - Left : bridge & implant-screwed prosthesis
- Submaxillary posterior region
 - Right : comparison of dentulous & implant procedures
 - Left : GBR using SmartBuilder
- MS inserted in narrow ridge of mandibular anterior region (11 fixtures inserted)
- Mandibular right neural tube (for explaining the anatomy)



AICCM004

Xenograft

The Graft

- Deproteinized Porcine Bone (DPB)
- Osteoconduction
- Volume maintenance
- Biocompatibility
- Manufacture : Prugo Biologics Inc., Republic of Korea
- P : Particle size

g \ P	Small Granule (0.25-1.0mm)
-------	----------------------------

0.15 (0.36cc)	BG-A15
0.25 (0.6cc)	BG-A25
0.5 (1.2cc)	BG-A05
1.0 (2.4cc)	BG-A10
2.0 (4.8cc)	BG-A20



g \ P	Large Granule (1.0-2.0mm)
-------	---------------------------

0.5 (1.8cc)	BG-B15
1.0 (3.6cc)	BG-B25

g \ P	Syringe Type
-------	--------------

0.25cc	TG-AS25
0.5cc	TG-AS05
1.0cc	TG-AS10

Allograft

Rafugen DBM

- DBM (Demineralized Bone Matrix - Allograft)
- Osteoinduction / Osteoconduction
- Moldable
- Biocompatibility
- Manufacture: Cellumed Co., Ltd., Republic of Korea

cc

0.25
0.5
1.0

RDP01
RDP02
RDP03



CGAllo-Bone

- 100% cortical powder
- FDDBA (Freeze Dried Bone Allograft)
- Osteoinduction / Osteoconduction
- Biocompatibility
- Manufacture: CGBio Co., Ltd., Republic of Korea

cc

Medium
(0.4-0.71mm)

0.25
0.5
1.0

BG-A15
BG-A25
BG-A05
BG-A10
BG-A20

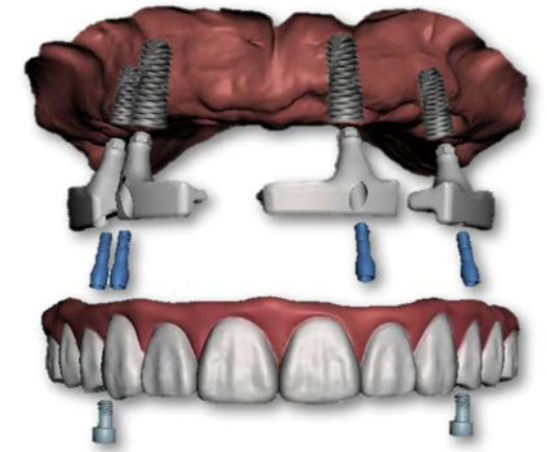


Magic

Magic4

- Computer-Guided Fixed Digital Denture
- Simplified procedures
- Excellent fitting
- Reduce office visits
- Easy to clean and maintain
- Easy replacements

T-bar Upper	MAGIC811
Wash Tray Upper	MAGIC821
Provisional Upper	MAGIC831
Zirconia Final Upper	MAGIC851
T-bar Lower	MAGIC812
Wash Tray Lower	MAGIC822
Provisional Lower	MAGIC832
Zirconia Final Lower	MAGIC852
Osstem Fixture Screw	P-OF-SCREW
Dentca Screw for Manufacture	P-DC-SCREW



Magic

Magic Denture

- Premium 3D Printing Digital Denture
 - Reliable Raw Material : FDA Cleared Denture Teeth & Base Material
 - Reduces the Patient Visit into 2~3 Times
 - Optimizes Denture Design (AI)

Denture Design - Upper	MAGIC702
Denture Try-in Upper	MAGIC711
Denture Base - Upper	MAGIC721
Denture Teeth - Upper	MAGIC731
Denture Design - Lower	MAGIC703
Denture Try-in Lower	MAGIC712
Denture Base - Lower	MAGIC722
Denture Teeth - Lower	MAGIC732



Magic Align

- Accurate & Safe Digital Clear Aligner
 - Multi-material (3-Layer) 'MagicFoil' increases orthodontic ability
 - Establishment of a systematic orthodontic treatment plan with a clinical advisory system
 - Accurate and safe digital clear aligner licensed as a medical device

OSSTEM[®]
IMPLANT

OSSTEM[®]
IMPLANT



CAD/CAM & Dental Equipment

572 CAD/CAM Input System
574 CAD S/W
576 CAD/CAM Output System
580 Milling Material
598 Labside All Ceramic

600 Printing Materials
602 Implant Motor
604 Osstem Torque

CAD/CAM Input System Intra Oral Scanner

TRIOS 3 - WIRELESS POD TYPE

- The world's first wireless intraoral scanner
- Convenient wireless intraoral scanning
- Real-time display of scanning on the chairside screen
- 3 batteries included
- High-end laptop included

POD PEN 22002245



TRIOS 3 POD - BASIC

- Standard, affordable scanner available for scan (primary feature) only

POD PEN 22002151



TRIOS 3 - POD TYPE

- Portable TRIOS3, easily connected to a laptop
- Portable mobile stand allows you to move freely between dental chairs
- High-end laptop included

POD PEN 22001091



TRIOS 4 WIRELESS POD

- Easy prevention/treatment with automatic diagnosis of dental caries
- Freedom and convenience provided by the world's first wireless scanner
- Automatic removal of unnecessary soft tissue with AI scanning technology
- Improved battery life (approx. 45 minutes)
- ※ Provided with three wireless batteries and a high-end laptop computer

POD PEN 22003127



TRIOS 3 MOVE+

- Full HD touch screen included
- Highly convenient mobility
- 15.6inch
- HDMI cable compatible
- 5-port USB
- Lightweight (14Kg)
- Wired type available for purchase

MOVE PEN 22002355



TRIOS 4 MOVE+

- Easy prevention/treatment with automatic diagnosis of dental caries
- Convenient mobility and ergonomic design
- Screen with adjustable position for the patient and practitioner
- 15.6-inch Full HD touch screen

MOVE PEN 22003165



CAD S/W

Design Studio

- One-day prosthesis fabrication using TRIOS scan
- Crowns, inlays, onlays, SCRIP crowns
- Auto design feature
- "One-stop" solution, from scanning to designing and milling

Stand alone

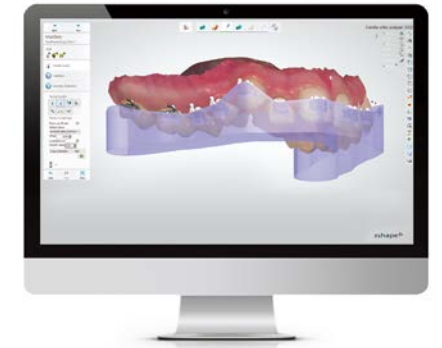
80241140



Indirect Bonding Studio

- Virtual bracket placement using scan data
- 3D print the indirect bonding jig for fabrication

80245502



Implant Studio

- Guide design using scan data and CT data
- Implant planning
- Available importing file format : STL, DCM

Stand alone

85240020

Implant studio(T)

85240060

Implant studio(D)

85240010



Ortho System Premium

- For scan data analysis of orthodontic patient
- For treatment planning and virtual setup
- Data extraction in STL format and printing
- Appliance fabrication

80245420



Module purchase

- Ortho analyzer stand-alone (80242052)
- Appliance designer stand-alone (80245050)
- Bracket placement - add-on to ortho planner (80245071)
- Appliance designer add-on (80245057)
- Bracket transfer - add-on to appliance designer (80245072)

Clear Aligner Studio (T)

- Appliance design using scan data
- Clear aligner design
- Bracket bonding jig design

Stand alone

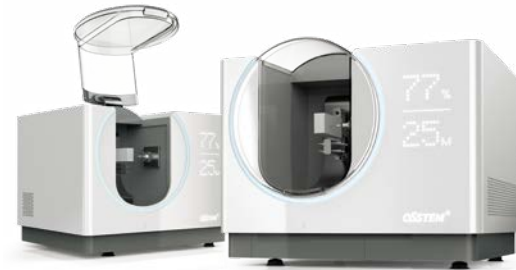
80245501



CAD/CAM Output System

OneMill 4X

- 4-Axis high speed/high precision wet milling machine that enables one-day prosthesis fabrication
- Machining time: approx. 25min for single prosthesis
- Precision : $\pm 5\mu\text{m}$
- Front LED indicator light displays real-time milling status
- Capable of machining glass-ceramic and hybrid materials



OneMill4X

O2-FURNACE2

- Affordable, standard zirconia
- Max temperature: up to 1,550°C
- Simultaneous sintering up to 20 units if stacked in a single tray
- Up to 15 sintering schedules can be entered



O2-FURNACE2

OneMill 5X

- Optimized modeless 5-axis dry milling machine
- Stable and uniform prosthesis fabrication
- Precision : $\pm 5\mu\text{m}$
- 3-way airflow system minimizes dust in the inner surface of the prosthesis/equipment
- Front LED indicator light displays real-time status
- Simultaneous 5-axis milling allows precise fabrication of different inner prosthetic surfaces



OneMill5X

Programat P310 (Ivoclar)

- Affordable, standard furnace for ceramic prosthesis
- Crystallization of glass-ceramics within 25min
- Uniform heat transfer, adding aesthetic shade to a restoration
- High-resolution touchscreen for enhanced convenience



645987

O2-M4

- 4-axis wet round bar milling machine
- 7 tool pockets
- Precision : $\pm 5\mu\text{m}$
- Average machining time : approx. 20min
- Simultaneous machining capability up to 11 bars



O2-M4

CAD/CAM Output System 3D Printer

O2-Printer

- For verifying NextDent material
 - Capable of printing 6 types of prostheses (largest variety in South Korea)
- High-precision output comparable with high-priced industrial printer
- Calibration feature that ensures precision for long-term use
- Auto material mixer minimizes printing failures
- 3D main unit + Curing box + Material mixer + CAM S/W



O2-Printer Full

OneJet DLP

- Excellent output precision of less than 100um
- "High-speed" and "Normal" printing options available
 - High-speed model : capable of printing surgical guides in 30min
 - Normal model : more precise printing
- 3D main unit + Curing box + Material mixer + CAM S/W

Package code

OneJet Full

Item code

ONEJET DLP, ONECURE



Curing box

- Optimized output intensity and color through UV curing
- Simultaneous curing up to 7 guides



O2-Cure

OneCure

- 3-direction UV irradiation for rapid curing
- Compact design suitable for small space



OneCure

Material mixer

- For mixing 3D printing materials
- Recommended operating time : at least 15min for best results of highly filled and colored materials



O2-Mixer

Milling Material

Estar-Z T

- CAD/CAM zirconia disk (Ø98mm) for dental prosthesis fabrication
- High-strength zirconia disk for fabricating posterior prosthesis (flexural strength of 1,100MPa)
- Accurate contraction minimizes internal fitting process
- 100% Tosoh raw materials



Posterior

Thickness	Shade					
	A0	A1	A2	A3	A3.5	A4
10T	ZTA0010T	ZTA1010T	ZTA2010T	ZTA3010T	ZTA3510T	ZTA4010T
12T	ZTA0012T	ZTA1012T	ZTA2012T	ZTA3012T	ZTA3512T	ZTA4012T
14T	ZTA0014T	ZTA1014T	ZTA2014T	ZTA3014T	ZTA3514T	ZTA4014T
16T	ZTA0016T	ZTA1016T	ZTA2016T	ZTA3016T	ZTA3516T	ZTA4016T
18T	ZTA0018T	ZTA1018T	ZTA2018T	ZTA3018T	ZTA3518T	ZTA4018T
20T	ZTA0020T	ZTA1020T	ZTA2020T	ZTA3020T	ZTA3520T	ZTA4020T
22T	ZTA0022T	ZTA1022T	ZTA2022T	ZTA3022T	ZTA3522T	ZTA4022T
25T	ZTA0025T	ZTA1025T	ZTA2025T	ZTA3025T	ZTA3525T	ZTA4025T

Shade	Item	Order Code
A0	Estar - Z ST A0 (10T)	ZSTA0010T
	Estar - Z ST A0 (12T)	ZSTA0012T
	Estar - Z ST A0 (14T)	ZSTA0014T
	Estar - Z ST A0 (16T)	ZSTA0016T
	Estar - Z ST A0 (18T)	ZSTA0018T
	Estar - Z ST A0 (20T)	ZSTA0020T
	Estar - Z ST A0 (22T)	ZSTA0022T
	Estar - Z ST A0 (25T)	ZSTA0025T
A1	Estar - Z ST A1 (10T)	ZSTA1010T
	Estar - Z ST A1 (12T)	ZSTA1012T
	Estar - Z ST A1 (14T)	ZSTA1014T
	Estar - Z ST A1 (16T)	ZSTA1016T
	Estar - Z ST A1 (18T)	ZSTA1018T
	Estar - Z ST A1 (20T)	ZSTA1020T
	Estar - Z ST A1 (22T)	ZSTA1022T
	Estar - Z ST A1 (25T)	ZSTA1025T
A2	Estar - Z ST A2 (10T)	ZSTA2010T
	Estar - Z ST A2 (12T)	ZSTA2012T
	Estar - Z ST A2 (14T)	ZSTA2014T
	Estar - Z ST A2 (16T)	ZSTA2016T
	Estar - Z ST A2 (18T)	ZSTA2018T
	Estar - Z ST A2 (20T)	ZSTA2020T
	Estar - Z ST A2 (22T)	ZSTA2022T
	Estar - Z ST A2 (25T)	ZSTA2025T
A3	Estar - Z ST A3 (10T)	ZSTA3010T
	Estar - Z ST A3 (12T)	ZSTA3012T
	Estar - Z ST A3 (14T)	ZSTA3014T
	Estar - Z ST A3 (16T)	ZSTA3016T
	Estar - Z ST A3 (18T)	ZSTA3018T
	Estar - Z ST A3 (20T)	ZSTA3020T
	Estar - Z ST A3 (22T)	ZSTA3022T
	Estar - Z ST A3 (25T)	ZSTA3025T
A3.5	Estar - Z ST A3.5 (10T)	ZSTA3510T
	Estar - Z ST A3.5 (12T)	ZSTA3512T
	Estar - Z ST A3.5 (14T)	ZSTA3514T
	Estar - Z ST A3.5 (16T)	ZSTA3516T
	Estar - Z ST A3.5 (18T)	ZSTA3518T
	Estar - Z ST A3.5 (20T)	ZSTA3520T
	Estar - Z ST A3.5 (22T)	ZSTA3522T
	Estar - Z ST A3.5 (25T)	ZSTA3525T
A4	Estar - Z ST A4 (10T)	ZSTA4010T
	Estar - Z ST A4 (12T)	ZSTA4012T
	Estar - Z ST A4 (14T)	ZSTA4014T
	Estar - Z ST A4 (16T)	ZSTA4016T
	Estar - Z ST A4 (18T)	ZSTA4018T
	Estar - Z ST A4 (20T)	ZSTA4020T
	Estar - Z ST A4 (22T)	ZSTA4022T
	Estar - Z ST A4 (25T)	ZSTA4025T

Estar-Z ST

- CAD/CAM zirconia disk (Ø98mm) for dental prosthesis fabrication
- High-translucency zirconia disk with a strength of 600MPa for fabricating anterior prosthesis
- Accurate contraction minimizes internal fitting process
- 100% Tosoh raw materials



Anterior

Thickness	Shade					
	A0	A1	A2	A3	A3.5	A4
10T	ZST0010T	ZST1010T	ZST2010T	ZST3010T	ZST3510T	ZST4010T
12T	ZST0012T	ZST1012T	ZST2012T	ZST3012T	ZST3512T	ZST4012T
14T	ZST0014T	ZST1014T	ZST2014T	ZST3014T	ZST3514T	ZST4014T
16T	ZST0016T	ZST1016T	ZST2016T	ZST3016T	ZST3516T	ZST4016T
18T	ZST0018T	ZST1018T	ZST2018T	ZST3018T	ZST3518T	ZST4018T
20T	ZST0020T	ZST1020T	ZST2020T	ZST3020T	ZST3520T	ZST4020T
22T	ZST0022T	ZST1022T	ZST2022T	ZST3022T	ZST3522T	ZST4022T
25T	ZST0025T	ZST1025T	ZST2025T	ZST3025T	ZST3525T	ZST4025T

Milling Material

Shade	Item	Order Code
B1	Estar - Z ST B1 (10T)	ZSTB1010T
	Estar - Z ST B1 (12T)	ZSTB1012T
	Estar - Z ST B1 (14T)	ZSTB1014T
	Estar - Z ST B1 (16T)	ZSTB1016T
	Estar - Z ST B1 (18T)	ZSTB1018T
	Estar - Z ST B1 (20T)	ZSTB1020T
	Estar - Z ST B1 (22T)	ZSTB1022T
	Estar - Z ST B1 (25T)	ZSTB1025T
B2	Estar - Z ST B2 (10T)	ZSTB2010T
	Estar - Z ST B2 (12T)	ZSTB2012T
	Estar - Z ST B2 (14T)	ZSTB2014T
	Estar - Z ST B2 (16T)	ZSTB2016T
	Estar - Z ST B2 (18T)	ZSTB2018T
	Estar - Z ST B2 (20T)	ZSTB2020T
	Estar - Z ST B2 (22T)	ZSTB2022T
	Estar - Z ST B2 (25T)	ZSTB2025T
B3	Estar - Z ST B3 (10T)	ZSTB3010T
	Estar - Z ST B3 (12T)	ZSTB3012T
	Estar - Z ST B3 (14T)	ZSTB3014T
	Estar - Z ST B3 (16T)	ZSTB3016T
	Estar - Z ST B3 (18T)	ZSTB3018T
	Estar - Z ST B3 (20T)	ZSTB3020T
	Estar - Z ST B3 (22T)	ZSTB3022T
	Estar - Z ST B3 (25T)	ZSTB3025T
B4	Estar - Z ST B4 (10T)	ZSTB4010T
	Estar - Z ST B4 (12T)	ZSTB4012T
	Estar - Z ST B4 (14T)	ZSTB4014T
	Estar - Z ST B4 (16T)	ZSTB4016T
	Estar - Z ST B4 (18T)	ZSTB4018T
	Estar - Z ST B4 (20T)	ZSTB4020T
	Estar - Z ST B4 (22T)	ZSTB4022T
	Estar - Z ST B4 (25T)	ZSTB4025T
C1	Estar - Z ST C1 (10T)	ZSTC1010T
	Estar - Z ST C1 (12T)	ZSTC1012T
	Estar - Z ST C1 (14T)	ZSTC1014T
	Estar - Z ST C1 (16T)	ZSTC1016T
	Estar - Z ST C1 (18T)	ZSTC1018T
	Estar - Z ST C1 (20T)	ZSTC1020T
	Estar - Z ST C1 (22T)	ZSTC1022T
C2	Estar - Z ST C2 (10T)	ZSTC2010T
	Estar - Z ST C2 (12T)	ZSTC2012T
	Estar - Z ST C2 (14T)	ZSTC2014T
	Estar - Z ST C2 (16T)	ZSTC2016T
	Estar - Z ST C2 (18T)	ZSTC2018T
	Estar - Z ST C2 (20T)	ZSTC2020T
	Estar - Z ST C2 (22T)	ZSTC2022T
Estar - Z ST C2 (25T)	ZSTC2025T	

Shade	Item	Order Code	
D2	Estar - Z ST D2 (10T)	ZSTD2010T	
	Estar - Z ST D2 (12T)	ZSTD2012T	
	Estar - Z ST D2 (14T)	ZSTD2014T	
	Estar - Z ST D2 (16T)	ZSTD2016T	
	Estar - Z ST D2 (18T)	ZSTD2018T	
	Estar - Z ST D2 (20T)	ZSTD2020T	
	Estar - Z ST D2 (22T)	ZSTD2022T	
	Estar - Z ST D2 (25T)	ZSTD2025T	
	D3	Estar - Z ST D3 (10T)	ZSTD3010T
		Estar - Z ST D3 (12T)	ZSTD3012T
Estar - Z ST D3 (14T)		ZSTD3014T	
Estar - Z ST D3 (16T)		ZSTD3016T	
Estar - Z ST D3 (18T)		ZSTD3018T	
Estar - Z ST D3 (20T)		ZSTD3020T	
Estar - Z ST D3 (22T)		ZSTD3022T	
Estar - Z ST D3 (25T)		ZSTD3025T	
D4		Estar - Z ST D4 (10T)	ZSTD4010T
		Estar - Z ST D4 (12T)	ZSTD4012T
	Estar - Z ST D4 (14T)	ZSTD4014T	
	Estar - Z ST D4 (16T)	ZSTD4016T	
	Estar - Z ST D4 (18T)	ZSTD4018T	
	Estar - Z ST D4 (20T)	ZSTD4020T	
	Estar - Z ST D4 (22T)	ZSTD4022T	
	Estar - Z ST D4 (25T)	ZSTD4025T	

Milling Material

Estar-Z HT NEW 2020

- CAD/CAM zirconia disk (Ø98mm) for dental prosthesis fabrication
- High-translucency zirconia disk with a strength of 600MPa for fabricating anterior prosthesis
- Accurate contraction minimizes internal fitting process
- 100% Tosoh raw materials



Shade	Item	Order Code
A0	Estar - Z HT A0 (10T)	ZHTA0010T
	Estar - Z HT A0 (12T)	ZHTA0012T
	Estar - Z HT A0 (14T)	ZHTA0014T
	Estar - Z HT A0 (16T)	ZHTA0016T
	Estar - Z HT A0 (18T)	ZHTA0018T
	Estar - Z HT A0 (20T)	ZHTA0020T
	Estar - Z HT A0 (22T)	ZHTA0022T
	Estar - Z HT A0 (25T)	ZHTA0025T
A1	Estar - Z HT A1 (10T)	ZHTA1010T
	Estar - Z HT A1 (12T)	ZHTA1012T
	Estar - Z HT A1 (14T)	ZHTA1014T
	Estar - Z HT A1 (16T)	ZHTA1016T
	Estar - Z HT A1 (18T)	ZHTA1018T
	Estar - Z HT A1 (20T)	ZHTA1020T
	Estar - Z HT A1 (22T)	ZHTA1022T
	Estar - Z HT A1 (25T)	ZHTA1025T
A2	Estar - Z HT A2 (10T)	ZHTA2010T
	Estar - Z HT A2 (12T)	ZHTA2012T
	Estar - Z HT A2 (14T)	ZHTA2014T
	Estar - Z HT A2 (16T)	ZHTA2016T
	Estar - Z HT A2 (18T)	ZHTA2018T
	Estar - Z HT A2 (20T)	ZHTA2020T
	Estar - Z HT A2 (22T)	ZHTA2022T
	Estar - Z HT A2 (25T)	ZHTA2025T
A3	Estar - Z HT A3 (10T)	ZHTA3010T
	Estar - Z HT A3 (12T)	ZHTA3012T
	Estar - Z HT A3 (14T)	ZHTA3014T
	Estar - Z HT A3 (16T)	ZHTA3016T
	Estar - Z HT A3 (18T)	ZHTA3018T
	Estar - Z HT A3 (20T)	ZHTA3020T
	Estar - Z HT A3 (22T)	ZHTA3022T
	Estar - Z HT A3 (25T)	ZHTA3025T
A3.5	Estar - Z HT A3.5 (10T)	ZHTA3510T
	Estar - Z HT A3.5 (12T)	ZHTA3512T
	Estar - Z HT A3.5 (14T)	ZHTA3514T
	Estar - Z HT A3.5 (16T)	ZHTA3516T
	Estar - Z HT A3.5 (18T)	ZHTA3518T
	Estar - Z HT A3.5 (20T)	ZHTA3520T
	Estar - Z HT A3.5 (22T)	ZHTA3522T
	Estar - Z HT A3.5 (25T)	ZHTA3525T

Shade	Item	Order Code
A4	Estar - Z HT A4 (10T)	ZHTA4010T
	Estar - Z HT A4 (12T)	ZHTA4012T
	Estar - Z HT A4 (14T)	ZHTA4014T
	Estar - Z HT A4 (16T)	ZHTA4016T
	Estar - Z HT A4 (18T)	ZHTA4018T
	Estar - Z HT A4 (20T)	ZHTA4020T
	Estar - Z HT A4 (22T)	ZHTA4022T
	Estar - Z HT A4 (25T)	ZHTA4025T
B1	Estar - Z HT B1 (10T)	ZHTB1010T
	Estar - Z HT B1 (12T)	ZHTB1012T
	Estar - Z HT B1 (14T)	ZHTB1014T
	Estar - Z HT B1 (16T)	ZHTB1016T
	Estar - Z HT B1 (18T)	ZHTB1018T
	Estar - Z HT B1 (20T)	ZHTB1020T
	Estar - Z HT B1 (22T)	ZHTB1022T
	Estar - Z HT B1 (25T)	ZHTB1025T
B2	Estar - Z HT B2 (10T)	ZHTB2010T
	Estar - Z HT B2 (12T)	ZHTB2012T
	Estar - Z HT B2 (14T)	ZHTB2014T
	Estar - Z HT B2 (16T)	ZHTB2016T
	Estar - Z HT B2 (18T)	ZHTB2018T
	Estar - Z HT B2 (20T)	ZHTB2020T
	Estar - Z HT B2 (22T)	ZHTB2022T
	Estar - Z HT B2 (25T)	ZHTB2025T
B3	Estar - Z HT B3 (10T)	ZHTB3010T
	Estar - Z HT B3 (12T)	ZHTB3012T
	Estar - Z HT B3 (14T)	ZHTB3014T
	Estar - Z HT B3 (16T)	ZHTB3016T
	Estar - Z HT B3 (18T)	ZHTB3018T
	Estar - Z HT B3 (20T)	ZHTB3020T
	Estar - Z HT B3 (22T)	ZHTB3022T
	Estar - Z HT B3 (25T)	ZHTB3025T
B4	Estar - Z HT B4 (10T)	ZHTB4010T
	Estar - Z HT B4 (12T)	ZHTB4012T
	Estar - Z HT B4 (14T)	ZHTB4014T
	Estar - Z HT B4 (16T)	ZHTB4016T
	Estar - Z HT B4 (18T)	ZHTB4018T
	Estar - Z HT B4 (20T)	ZHTB4020T
	Estar - Z HT B4 (22T)	ZHTB4022T
	Estar - Z HT B4 (25T)	ZHTB4025T
C1	Estar - Z HT C1 (10T)	ZHTC1010T
	Estar - Z HT C1 (12T)	ZHTC1012T
	Estar - Z HT C1 (14T)	ZHTC1014T
	Estar - Z HT C1 (16T)	ZHTC1016T
	Estar - Z HT C1 (18T)	ZHTC1018T
	Estar - Z HT C1 (20T)	ZHTC1020T
	Estar - Z HT C1 (22T)	ZHTC1022T
	Estar - Z HT C1 (25T)	ZHTC1025T

Milling Material

Shade	Item	Order Code
C2	Estar - Z HT C2 (10T)	ZHTC2010T
	Estar - Z HT C2 (12T)	ZHTC2012T
	Estar - Z HT C2 (14T)	ZHTC2014T
	Estar - Z HT C2 (16T)	ZHTC2016T
	Estar - Z HT C2 (18T)	ZHTC2018T
	Estar - Z HT C2 (20T)	ZHTC2020T
	Estar - Z HT C2 (22T)	ZHTC2022T
	Estar - Z HT C2 (25T)	ZHTC2025T
D2	Estar - Z HT D2 (10T)	ZHTD2010T
	Estar - Z HT D2 (12T)	ZHTD2012T
	Estar - Z HT D2 (14T)	ZHTD2014T
	Estar - Z HT D2 (16T)	ZHTD2016T
	Estar - Z HT D2 (18T)	ZHTD2018T
	Estar - Z HT D2 (20T)	ZHTD2020T
	Estar - Z HT D2 (22T)	ZHTD2022T
	Estar - Z HT D2 (25T)	ZHTD2025T
D3	Estar - Z HT D3 (10T)	ZHTD3010T
	Estar - Z HT D3 (12T)	ZHTD3012T
	Estar - Z HT D3 (14T)	ZHTD3014T
	Estar - Z HT D3 (16T)	ZHTD3016T
	Estar - Z HT D3 (18T)	ZHTD3018T
	Estar - Z HT D3 (20T)	ZHTD3020T
	Estar - Z HT D3 (22T)	ZHTD3022T
	Estar - Z HT D3 (25T)	ZHTD3025T
D4	Estar - Z HT D4 (10T)	ZHTD4010T
	Estar - Z HT D4 (12T)	ZHTD4012T
	Estar - Z HT D4 (14T)	ZHTD4014T
	Estar - Z HT D4 (16T)	ZHTD4016T
	Estar - Z HT D4 (18T)	ZHTD4018T
	Estar - Z HT D4 (20T)	ZHTD4020T
	Estar - Z HT D4 (22T)	ZHTD4022T
	Estar - Z HT D4 (25T)	ZHTD4025T

Zir.R

- CAD/CAM zirconia disk (Ø98mm) for dental prosthesis fabrication
- High-strength zirconia disk for fabricating posterior teeth prosthesis (flexural strength of 1,200MPa)
- High-translucency zirconia disk for fabricating anterior teeth prosthesis (flexural strength of 650MPa)



Posterior

Thickness	Shade	Item	Order Code
10T	A2	A2 98×10	T2-1072
12T		A2 98×12	T2-1073
14T		A2 98×14	T2-1074
16T		A2 98×16	T2-1075
18T		A2 98×18	T2-1076
20T		A2 98×20	T2-1077
22T		A2 98×22	T2-1078
25T		A2 98×25	T2-1079

Anterior

Thickness	Shade	Item	Order Code
10T	A0	A0 98×10	OME-1024
12T		A0 98×12	OME-1025
14T		A0 98×14	OME-1026
16T		A0 98×16	OME-1027
18T		A0 98×18	OME-1028
20T		A0 98×20	OME-1029
22T		A0 98×22	OME-1037
25T		A0 98×25	OME-1038

Milling Material

Multi ZIR

- CAD/CAM zirconia disk (Ø98mm) for dental prosthesis fabrication
- High-strength zirconia disk for fabricating posterior teeth prosthesis (flexural strength of 1,420MPa)
- Available in varying shades, from crown-root to incisal surface, for minimized coloring process



Thickness	Item	Order Code
10T	Multi Zirconia Disk 10T	MZD10T
12T	Multi Zirconia Disk 12T	MZD12T
14T	Multi Zirconia Disk 14T	MZD14T
16T	Multi Zirconia Disk 16T	MZD16T

Zirmon / Zircen

- CAD/CAM zirconia block for dental prosthesis fabrication
- High-strength zirconia for fabricating posterior prosthesis (flexural strength of 1,200MPa)
- High-translucency zirconia for fabricating anterior prosthesis (flexural strength of 800MPa)
- High-strength/high-translucency zirconia for fabricating anterior/posterior teeth prosthesis (flexural strength of 1,100MPa)



Group	Size	Shade	Item	Order Code	
Zirmon S (posterior, 1200MPa)	40L	A0	ZIR BLOCK S1 1200 40 (6)	ZIR S1	
		A1	ZIR BLOCK S1 A1 1200 40 (6)	ZIR S1A1	
		A2	ZIR BLOCK S1 A2 1200 40 (6)	ZIR S1A2	
		A3	ZIR BLOCK S1 A3 1200 40 (6)	ZIR S1A3	
	55	A0	ZIR BLOCK S1 1200 55 (4)	ZIR S1-55	
		A1	ZIR BLOCK S1 A1 1200 55 (4)	ZIR S1A1-55	
		A2	ZIR BLOCK S1 A2 1200 55 (4)	ZIR S1A2-55	
		A3	ZIR BLOCK S1 A3 1200 55 (4)	ZIR S1A3-55	
	Zirmon TS (anterior, 800MPa)	40L	A0	ZIR BLOCK S1P 650 40 (6)	ZIR S1 PLUS
			A1	ZIR BLOCK S1P A1 650 40 (6)	ZIR S1 PLUSA1
			A2	ZIR BLOCK S1P A2 650 40 (6)	ZIR S1 PLUSA2
			A3	ZIR BLOCK S1P A3 650 40 (6)	ZIR S1 PLUSA3
55		A0	ZIR BLOCK S1P 650 55 (4)	ZIR S1 PLUS-55	
		A1	ZIR BLOCK S1P A1 650 55 (4)	ZIR S1 PLUSA1-55	
		A2	ZIR BLOCK S1P A2 650 55 (4)	ZIR S1 PLUSA2-55	
		A3	ZIR BLOCK S1P A3 650 55 (4)	ZIR S1 PLUSA3-55	
Zircen (anterior/posterior, 1100MPa)		40L	A0	ZIR BLOCK S1M 1100 40 (6)	ZIR S1M
			A1	ZIR BLOCK S1M A1 1100 40 (6)	ZIR S1MA1
			A2	ZIR BLOCK S1M A2 1100 40 (6)	ZIR S1MA2
			A3	ZIR BLOCK S1M A3 1100 40 (6)	ZIR S1MA3
	55	A0	ZIR BLOCK S1M 1100 55 (4)	ZIR S1M-55	
		A1	ZIR BLOCK S1M A1 1100 55 (4)	ZIR S1MA1-55	
		A2	ZIR BLOCK S1M A2 1100 55 (4)	ZIR S1MA2-55	
		A3	ZIR BLOCK S1M A3 1100 55 (4)	ZIR S1MA3-55	

Milling Material

IPS e.max CAD

- CAD/CAM glass ceramic for dental prosthesis fabrication
- Reinforced ceramic for fabricating anterior/posterior teeth prosthesis (flexural strength of 530MPa)



Group	Size	Shade	Item	Order Code
LT	I12	A1	IPS E.MAX CAD CEREC/INLAB LT A1 I12/5	605318
		A2	IPS E.MAX CAD CEREC/INLAB LT A2 I12/5	605319
		A3	IPS E.MAX CAD CEREC/INLAB LT A3 I12/5	605320
		A3.5	IPS E.MAX CAD CEREC/INLAB LT A3,5 I12/5	605321
	C14	A1	IPS E.MAX CAD CEREC/INLAB LT A1 C14/5	605328
		A2	IPS E.MAX CAD CEREC/INLAB LT A2 C14/5	605329
		A3	IPS E.MAX CAD CEREC/INLAB LT A3 C14/5	605330
		A3.5	IPS E.MAX CAD CEREC/INLAB LT A3,5 C14/5	605331
MT	C14	A1	IPS E.MAX CAD CEREC/INLAB MT A1 C14/5	680028
		A2	IPS E.MAX CAD CEREC/INLAB MT A2 C14/5	680029
		A3	IPS E.MAX CAD CEREC/INLAB MT A3 C14/5	680030
HT	I12	A1	IPS E.MAX CAD CEREC/INLAB HT A1 I12/5	626391
		A2	IPS E.MAX CAD CEREC/INLAB HT A2 I12/5	626392
		A3	IPS E.MAX CAD CEREC/INLAB HT A3 I12/5	626393
		A3.5	IPS E.MAX CAD CEREC/INLAB HT A3,5 I12/5	626394
	C14	A1	IPS E.MAX CAD CEREC/INLAB HT A1 C14/5	626407
		A2	IPS E.MAX CAD CEREC/INLAB HT A2 C14/5	626408
		A3	IPS E.MAX CAD CEREC/INLAB HT A3 C14/5	626409
		A3.5	IPS E.MAX CAD CEREC/INLAB HT A3,5 C14/5	626410

IPS Empress CAD

- CAD/CAM glass ceramic for dental prosthesis fabrication
- Ceramic for fabricating anterior and inlay prostheses (flexural strength of 185MPa)



Group	Size	Shade	Item	Order Code	
LT	I10	A1	IPS EMPRESS CAD CEREC/INLAB LT A1 I10/5	602547	
		A2	IPS EMPRESS CAD CEREC/INLAB LT A2 I10/5	602548	
		A3	IPS EMPRESS CAD CEREC/INLAB LT A3 I10/5	602549	
		A3.5	IPS EMPRESS CAD CEREC/INLAB LT A3,5 I10/5	602550	
	I12	A1	IPS EMPRESS CAD CEREC/INLAB LT A1 I12/5	602557	
		A2	IPS EMPRESS CAD CEREC/INLAB LT A2 I12/5	602558	
		A3	IPS EMPRESS CAD CEREC/INLAB LT A3 I12/5	602559	
		A3.5	IPS EMPRESS CAD CEREC/INLAB LT A3,5 I12/5	602560	
		I8	A1	IPS EMPRESS CAD CEREC/INLAB HT A1 I8/5	602500
			A2	IPS EMPRESS CAD CEREC/INLAB HT A2 I8/5	602501
HT	I8	A3	IPS EMPRESS CAD CEREC/INLAB HT A3 I8/5	602502	
		A3.5	IPS EMPRESS CAD CEREC/INLAB HT A3,5 I8/5	602503	
		A1	IPS EMPRESS CAD CEREC/INLAB HT A1 I10/5	602510	
	I10	A2	IPS EMPRESS CAD CEREC/INLAB HT A2 I10/5	602511	
		A3	IPS EMPRESS CAD CEREC/INLAB HT A3 I10/5	602512	
		A3.5	IPS EMPRESS CAD CEREC/INLAB HT A3,5 I10/5	602513	
Multi	C14	A1	EMPRESS CAD CEREC/INLAB MULTI A1 C14/5	602598	
		A2	EMPRESS CAD CEREC/INLAB MULTI A2 C14/5	602599	
		A3	EMPRESS CAD CEREC/INLAB MULTI A3 C14/5	602600	
		A3.5	EMPRESS CAD CEREC/INLAB MULTI A3,5 C14/5	602601	

Milling Material

Enamic

- CAD/CAM hybrid ceramic block for dental prosthesis fabrication
- Hybrid ceramic block for fabricating inlay and veneer prostheses (flexural strength of 160MPa)
- Dual network structure, elastic modulus similar to dentin, good machinability



Size	Shade	Item	Order Code
10	0M1	VITA ENAMIC HT 0M1 EM10	EC40M1HTEM10
	1M1	VITA ENAMIC HT 1M1 EM10	EC41M1HTEM10
	1M2	VITA ENAMIC HT 1M2 EM10	EC41M2HTEM10
	2M2	VITA ENAMIC HT 2M2 EM10	EC42M2HTEM10
	3M2	VITA ENAMIC HT 3M2 EM10	EC43M2HTEM10
14	0M1	VITA ENAMIC HT 0M1 EM14	EC40M1HTEM14
	1M1	VITA ENAMIC HT 1M1 EM14	EC41M1HTEM14
	1M2	VITA ENAMIC HT 1M2 EM14	EC41M2HTEM14
	2M2	VITA ENAMIC HT 2M2 EM14	EC42M2HTEM14
	3M2	VITA ENAMIC HT 3M2 EM14	EC43M2HTEM14

MAZIC Duro

Disk

- CAD/CAM hybrid ceramic disk (Ø98mm) for dental prosthesis fabrication
- Hybrid ceramic for fabricating inlay and veneer prostheses (flexural strength of 210MPa)



Thickness	Shade	Item	Order Code
8T	A1	Hybrid Ceramic Duro Ø98 HT A1	HC 98-A1/8
	A2	Hybrid Ceramic Duro Ø98 HT A2	HC 98-A2/8
	A3	Hybrid Ceramic Duro Ø98 HT A3	HC 98-A3/8
10T	A3.5	Hybrid Ceramic Duro Ø98 LT A3.5	HC 98-A3.5/8
	A1	Hybrid Ceramic Duro Ø98 HT A1	HC 98-A1/10
	A2	Hybrid Ceramic Duro Ø98 HT A2	HC 98-A2/10
	A3	Hybrid Ceramic Duro Ø98 HT A3	HC 98-A3/10
	A3.5	Hybrid Ceramic Duro Ø98 LT A3.5	HC 98-A3.5/10

Block

- CAD/CAM hybrid ceramic block for dental appliance fabrication
- Hybrid ceramic for fabricating inlay veneer appliances (flexural strength of 210MPa)



Group	Size	Shade	Item	Order Code
HT	10	A1	MAZIC DURO 10 HT A1 (5)	MD 10HTA1
		A2	MAZIC DURO 10 HT A2 (5)	MD 10HTA2
		A3	MAZIC DURO 10 HT A3 (5)	MD 10HTA3
	12	A1	MAZIC DURO 12 HT A1 (5)	MD 12HTA1
		A2	MAZIC DURO 12 HT A2 (5)	MD 12HTA2
		A3	MAZIC DURO 12 HT A3 (5)	MD 12HTA3
	14	A1	MAZIC DURO 14 HT A1 (5)	MD 14HTA1
		A2	MAZIC DURO 14 HT A2 (5)	MD 14HTA2
		A3	MAZIC DURO 14 HT A3 (5)	MD 14HTA3
LT	12	A1	MAZIC DURO 12 LT A1 (5)	MD 12LTA1
		A2	MAZIC DURO 12 LT A2 (5)	MD 12LTA2
		A3	MAZIC DURO 12 LT A3 (5)	MD 12LTA3
		A3.5	MAZIC DURO 12 LT A3.5 (5)	MD 12LTA35
	14	A1	MAZIC DURO 14 LT A1 (5)	MD 14LTA1
		A2	MAZIC DURO 14 LT A2 (5)	MD 14LTA2
		A3	MAZIC DURO 14 LT A3 (5)	MD 14LTA3
		A3.5	MAZIC DURO 14 LT A3.5 (5)	MD 14LTA35

Milling Material

PMMA

Disk

- CAD/CAM PMMA disk (Ø98mm) for temporary prosthesis fabrication
- A wide array of shade lineup for expanded indications for clinical use



Thickness	Shade	Item	Order Code
12T	A2	PMMA DISK A2 12MM	PMMA2-12
	A3	PMMA DISK A3 12MM	PMMA3-12
14T	A1	PMMA DISK A1 14MM	PMMA1-14
	A2	PMMA DISK A2 14MM	PMMA2-14
	A3	PMMA DISK A3 14MM	PMMA3-14
	A3.5	PMMA DISK A3.5 14MM	PMMA35-14
16T	A1	PMMA DISK A1 16MM	PMMA1-16
	A2	PMMA DISK A2 16MM	PMMA2-16
18T	A3	PMMA DISK A3 16MM	PMMA3-16
	A2	PMMA DISK A2 18MM	PMMA2-18
20T	A3	PMMA DISK A3 18MM	PMMA3-18
	A3.5	PMMA DISK A3.5 18MM	PMMA35-18
	A1	PMMA DISK A1 20MM	PMMA1-20
20T	A2	PMMA DISK A2 20MM	PMMA2-20
	A3	PMMA DISK A3 20MM	PMMA3-20
	A3.5	PMMA DISK A3.5 20MM	PMMA35-20

WAX

- CAD/CAM wax disk (Ø98mm) for fabricating prosthetic patterns for castings



Thickness	Item	Order Code
10T	Wax Disk 10T	WAX10T
12T	Wax Disk 12T	WAX12T
14T	Wax Disk 14T	WAX14T
16T	Wax Disk 16T	WAX16T
18T	Wax Disk 18T	WAX18T
20T	Wax Disk 20T	WAX20T
22T	Wax Disk 22T	WAX22T
25T	Wax Disk 25T	WAX25T

Block

- CAD/CAM PMMA block for temporary prosthesis fabrication



Size	Shade	Item	Order Code
40L	A1	PMMA BLOCK A1 40 (5)	PMMA1-4019
	A2	PMMA BLOCK A2 40 (5)	PMMA2-4019
	A3	PMMA BLOCK A3 40 (5)	PMMA3-4019

Milling Material

OneMill4X Cutting Oil

onemill coolant



Milling Tool 1

- Machining bur for milling machine (O2-DZ, O2-M5 and O2-X5)
- Tool options available for different milling materials

Application	Item	Order Code
Zirconia (O2-DZ, O2-X5)	BALL END MILL 0.5MM	B-TOOL05
	BALL END MILL 1.0MM	B-TOOL10
	BALL END MILL 2.0MM	B-TOOL20
Glass ceramic (O2-DZ)	DIAMONDBUR 0.6MM	D-TOOL06
	DIAMONDBUR 1.0MM	D-TOOL10
	DIAMONDBUR 2.0MM	D-TOOL20
	DIAMONDBUR 2.5MM	D-TOOL25
Glass ceramic (O2-X5)	DIAMONDBUR 0.6MM(X5)	X5D-TOOL06
	DIAMONDBUR 1.0MM(X5)	X5D-TOOL10
	DIAMONDBUR 2.0MM(X5)	X5D-TOOL20
PMMA (O2-DZ)	PMMA BALL END MILL 1.0MM	P-TOOL10
	PMMA BALL END MILL 2.0MM	P-TOOL20
PMMA (O2-X5)	PMMA BALL END MILL 1.0MM(X5)	X5P-TOOL10
	PMMA BALL END MILL 2.0MM(X5)	X5P-TOOL20
Ti Custom abutment (O2-M5)	(METAL) BALL END MILL 1.0MM	MB-TOOL10
	(METAL) BALL END MILL 1.5MM	MB-TOOL15
	(METAL) BALL END MILL 2.0MM	MB-TOOL20
	(METAL) BALL END MILL 3.0MM	MB-TOOL30
	(METAL) FLAT END MILL 1.0MM	MF-TOOL10
Implant bar framework (O2-M5)	(METAL) FLAT END MILL 1.5MM	MF-TOOL15
	(METAL) FLAT ROUND 1.0MM	MFR-TOOL10
	(METAL) FLAT ROUND 1.5MM	MFR-TOOL15

Milling Tool 2

- Machining bur for milling machine (OneMill4x)
- Tool options available for different milling materials

Application	Item	Order Code
Zirconia (OneMill4x)	End mill BUR Ø0.5	ONEB-TOOL05
	End mill BUR Ø1.0	ONEB-TOOL10
	End mill BUR Ø2.0	ONEB-TOOL20
Glass ceramic (OneMill4x)	Diamond BUR Ø0.6	ONED-TOOL06
	Diamond BUR Ø1.0	ONED-TOOL10
	Diamond BUR Ø2.0	ONED-TOOL20
	Diamond BUR Ø2.4	ONED-TOOL24

Labside All Ceramic

Estar-G Press

- High-strength labside press glass ceramic block
 - Compressive strength of 400MPa
 - 3 translucency levels : HT(High Translucency), LT(Low Translucency), MO(Medium Opacity)
- HT : high-translucency material, ideal for staining technique in various indications including inlays, laminates and crowns
- LT : high-brightness and low-translucency material, ideal for staining and layering techniques in the indications (e.g., crowns)
- MO : opaque material, ideal for fabricating restoration abutment (framework) for discolored teeth



Estar-G Press HT		1 × 5ea
A1	GPHA110S	
A2	GPHA210S	
A3	GPHA310S	
A3.5	GPHA410S	
A4	GPHA510S	

Estar-G Press HT L		1 × 3ea
A1	GPHA120L	
A2	GPHA220L	
A3	GPHA320L	
A3.5	GPHA420L	
A4	GPHA520L	

Estar-G Press LT		1 × 5ea
A1	GPLA110S	
A2	GPLA210S	
A3	GPLA310S	
A3.5	GPLA410S	
A4	GPLA510S	

Estar-G Press LT L		1 × 3ea
A1	GPLA120L	
A2	GPLA220L	
A3	GPLA320L	
A3.5	GPLA420L	
A4	GPLA520L	

Estar-G Press MO		1 × 5ea
0	GPMO010S	
1	GPMO110S	
2	GPMO210S	
3	GPMO310S	
4	GPMO410S	

Estar-G Press MO L		1 × 3ea
0	GPMO020L	
1	GPMO120L	
2	GPMO220L	
3	GPMO320L	
4	GPMO420L	



Printing Materials

O2-Printer 3D Printing Materials

- Photocurable resin for precise output
- Global No. 1 'NextDent' 3D printing resin
- South Korea's largest lineup of 3D printing resin
- Output precision fully compatible with O2-printer

Group	Application	Sales Unit	Order Code
NextDent SG	Surgical guide	1kg	ND-SG
NextDent C&B	Temporary crown	1kg	ND-TC
NextDent Rigid	Splint	1kg	ND-OS
NextDent Base	Denture Base	1kg	ND-DB
NextDent Model	Oral cavity models	1kg	ND-WM
NextDent Cast	Wax Pattern	1kg	ND-WP

OneJet 3D Printing Materials

- Photocurable resin for precise output
- Excellent biocompatibility for fast printing
- Compatible with multiple DLP/SLA printers (405nm wavelength)

Group	Prosthesis	Sales Unit	Order Code
OneJet SG	Surgical guide	1kg bottle 500g bottle	OJSG OJSG-500
OneJet Model	Oral cavity models	1kg bottle 500g bottle	OJMO-B OJMO-B-500

- For fabricating dental implant guide (Class II medical device)

- For fabricating master model for prosthesis and clear aligner



Implant Motor

SM5

- Powerful but compact, lightweight motor
- LED light with motor
- One touch auto calibration
- Real-time torque
- Max. torque : 5.5Ncm
- Reduction ratio : 20:1
- Speed range : 15~2,000rpm
- Programs : 4~10 steps
- Manufacturer : Kavo. Germany



SM5

SM3

- Powerful torque (80Ncm)
- LED lux (3 adjustable brightness levels)
- Compact, lightweight motor
- Advanced torque calibration system
- Large LCD screen displays more information
- Max. speed : 40,000 rpm
- Max. torque : 80Ncm
- Program : 8 programs * 8 systems
- Manufacturer : NSK. Japan



SM3

SURGmatic S201L

- Model/Version : S201L
- Reduction ratio : 20:1
- RPM : 15~2,000rpm
- Max. torque : 55Ncm
- Removable round bur
- Small head with internal and external irrigation
- Manufacturer : Kavo. Germany



1.012.1870

S200EL

- Model/Version : S200EL
- Reduction ratio : 20:1
- Max. speed : 2,000 rpm
- Manufacturer : NSK. Japan



S200EL

SURGmatic S11L Option

- Model/Version : S11L
- Reduction ratio : 1:1
- Max. speed : 40,000rpm
- Max. torque : 5.5Ncm
- For use with standard-length (44.5mm) handpiece burs and contra-angle burs
- Manufacturer : Kavo. Germany



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Osstem Torque 01.2009

Osstem Torque II

- Ideal for surgical procedures in posterior region that is difficult to access with wrench
- For use as a cover screw or healing abutment driver
- Suitable for final prosthesis setting

SD-TORQUE



Osstem Implant System product description

Osstem Implant offers a variety of dental bone graft materials, as well as fixtures made of medical grade titanium. Osstem Implant's abutments, prosthetic materials and surgical tools are only compatible with Osstem Fixtures. If used with products of other manufacturers, it may cause problems including loosening and fractures due to incomplete tightening and compatibility. For more details about any individual product, please refer to the user manual, catalog or visit our company website (www.osstem.com). Please check the product labels for product codes, specifications, date of manufacture and expiration date.

Sterilization

Fixtures, cover screws and Healing Abutments are pre-cleaned and sterilized by gamma rays. These products are sterile, disposable medical instruments and must be handled in a sterile field using sterilized tools to prevent contamination and infection of the product or treatment area. If the package has been opened, damaged or has expired, the product must be discarded due to the risk of contamination, infection and bone graft failure. If re-sterilized or re-used, the product may result in infection, osseointegration failure, and damage to implants due to reduced precision.

Storage conditions

Store in a dry place at room temperature (1~30°C). Keep away from direct sunlight.

General precautions

Warning! Implant surgical techniques involves professional and complex processes. To perform dental implant surgery, relevant formal training and education is required. If the patient has bone disease (osteoporosis, osteomalacia) or metabolic bone disorders, special considerations should be given to these conditions prior to surgery.

Precautions

Suitability of bone and proper surgical procedures should be taken into account when determining an implant surgery. Proper implant should be prepared in consideration of anticipated situations and precautions. Excessive occlusal load may cause loosening or fracture of an implant. In order to avoid this condition, the implant must be placed in accurate location and direction considering the relationship between the implant and opposing dentition. Visual inspection as well as radiographic examinations are essential to determine basic presurgical information, occlusal conditions and adequacy of the bone. Adequate radiographs, surgical planning and visual inspection of the implant site are required prior to implant surgery.

Procedural precautions

Osstem Implant System is for single- or two-stage procedure. Special attention should be paid to temperature, surgical lesions and removal of the sources of contamination and infection in an attempt to minimize damage to the cell tissue. All drills and taps must be continuously and sufficiently irrigated for cooling. Implant placement should be accomplished at very low speed (25~30 rpm) or manually. Excessive torque (greater than 55Ncm) can have adverse effects such as partial fracture or necrosis of the bone. Placing an implant tilted by 30° or higher is not recommended due to possible fracture or implant. Immediate loading to the fixture right after the surgery should be avoided. The bone quality and initial stability after fixture placement are important elements in determining the appropriate loading time. Mini-diameter implant or implant with diameter of 4.0 or less which integrates with Angled Abutment may be fractured due to limitations of structural rigidity. They are not recommended for use in a posterior area. Ultra-wide Fixtures are intended to be used only in the posterior region and should not be used with Angled Abutments.

If considering the Ultra-wide fixtures, radiographic evaluation should be performed to determine the bone mass and potential anatomical restrictions. Short implants (diameter greater than 5mm, shorter than 7mm) are only used for the posterior region. Clinicians must thoroughly examine the patient for any of the following conditions: 1) Peri-implant bone loss, 2) Changes to implant's response to percussion, 3) Vertical changes in the osseointegrated fixtures determined by X-ray. If a short implant shows loosening or greater than 50% bone loss, the implant should be considered for possible removal. Clinicians should consider a two-stage surgical approach, splinting with other implants and placement of the widest possible diameter fixture. Allow sufficient healing time for osseointegration before prosthesis and avoid immediate loading. Products with diameter of 3.25mm or less must be used exclusively for mandibular anterior teeth in order to prevent fracture due to excessive occlusal load. Avoid applying HA-coated fixtures to hard bone because damage and cracks might occur in the coated layer. It is recommended that the insertion torque of the implant be less than 35Ncm. The surfaces of CA and SOI have the same physical shape as the SA surface made through blasting and etching treatments. These surfaces are designed to maintain the SA surface chemically-activated by encasing CA in a solution and SOI in a hydrophobic coating after the SA surface treatment to prevent the product from being exposed to air. Thus, CA or SOI products should be placed in the target region at least within 15 minutes after removal from the vial.

Warning

Improper patient selection and treatment planning may result in dental implant failure or loss of bone supporting the implant. Osstem Implant System must not be used for purposes other than intended and must not be altered in any shape or form. Implant loosening, bone loss and chronic infections can result in implant failure.

Indications for use

Osstem Implant System is an artificial dental root that has been designed for use in dental implant treatment for restoring missing teeth. It can be placed via surgical procedures in maxillary or mandibular bone to replace natural dental root. The System is intended for use in fabricating temporary or final appliances in the form of cement-retained, screw-retained, overdenture and fixed-bridge to replace a single tooth or multiple teeth in the maxillary/mandibular region or for partially or fully edentulous patients. Products with diameter of 3.25mm or less must be used exclusively for mandibular anterior teeth in order to prevent fracture due to excessive occlusal load.

Side effects

There are possible side effects after implant surgery (loss of implant stability, damaged prosthesis, etc.). These issues can be caused by the lack of available bone or poor bone quality, infection, patient's poor oral hygiene or non-compliance with post-op procedures, allergic reaction, movement of the implant, degradation of surrounding tissue, or improper placement/arrangement of the implant.

Contraindications

- Contraindications include the following, but are not limited to:
- Patients with hemophilia or issues related to bone or wound treatment
 - Patients with uncontrollable diabetes or patients that smoke or drink excessively
 - Patients with compromised immune systems due to disease or chemo/radiation therapy
 - Patients with oral infection or inflammation (improper oral hygiene or bruxism)
 - Patients with incurable malocclusion/joint disorder and insufficient dental arch space
 - Patients who are not suitable for surgery.

OSSTEM[®]
IMPLANT

■ **Manufacturer : Osstem Implant Co., Ltd.**
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TEL 82-51-850-2500 FAX 82-51-861-4693



2460



Sterilized using irradiation



Use by



Manufacture



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+49-(0)6196-777-550



Do not reuse



Date of manufacture



Keep away from sunlight



Do not use, if package is damaged



Catalogue number



Non-Sterile



Keep dry

Rx only

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



Batch code



Do not re-sterilize



Caution, Consult accompanying documents

OSSTEM[®]
IMPLANT