

# PRODUCT CATALOG

UNITED STATES EDITION

**HIOSEN**  
IMPLANT



## Hiossen Implant 2026 Product Catalog

**Production/Distribution** Marketing Headquarters

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**All Hiossen Implants are processed and Manufactured in the USA**

# PRODUCT CATALOG

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## Hiossen Implant Surface feature

Surface treatment technologies are one of the key factors to ensure safe and efficient treatment, allowing improvement of the osseointegration between the implant and bone tissue.

**HIOSSEN IMPLANT** proudly presents its world-class surface technologies.

# SA

### Optimized surface morphology through acid-etching treatment

- Sand Blasted with Alumina and Acid-Etched
- Surface roughness: Ra 2.0-3.0 $\mu$ m  
(Note: the roughness in the upper 0.5mm part is Ra 0.5-0.6 $\mu$ m)
- Uniform surface micro-pits of 1~3 $\mu$ m
- Surface area increased by 46% compared to resorbable blast media (RBM) treated implants

### In-vitro and In-vivo Bone Response

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

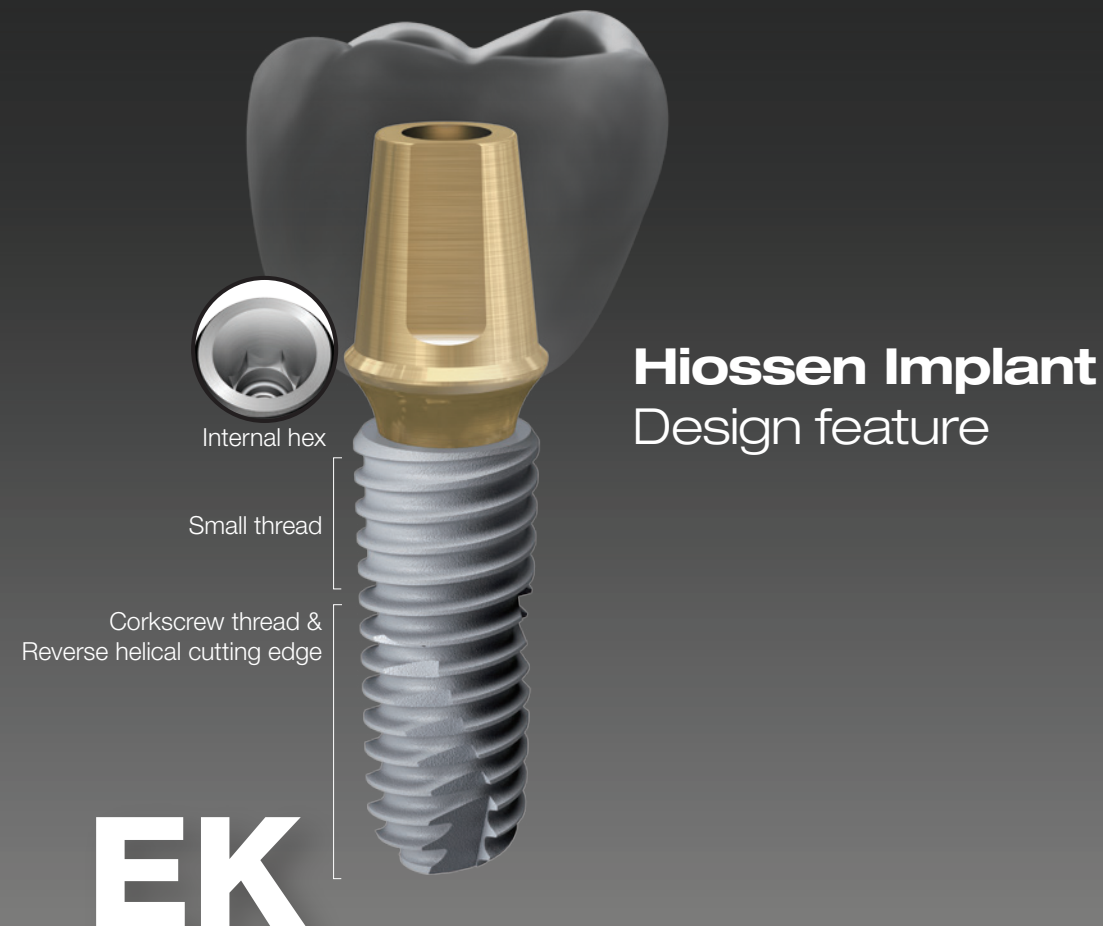
# NH

### Low crystalline nano-HA coated SA surface

- Faster Bone Healing. Improved Osseointegration
- 10nm or less ultra-thin hydroxyapatite (HA) coating
- SA surface (Ra 2.0-3.0 $\mu$ m) coated with HA
- Dual functions of titanium and HA
  - HA is naturally resorbed during ossification

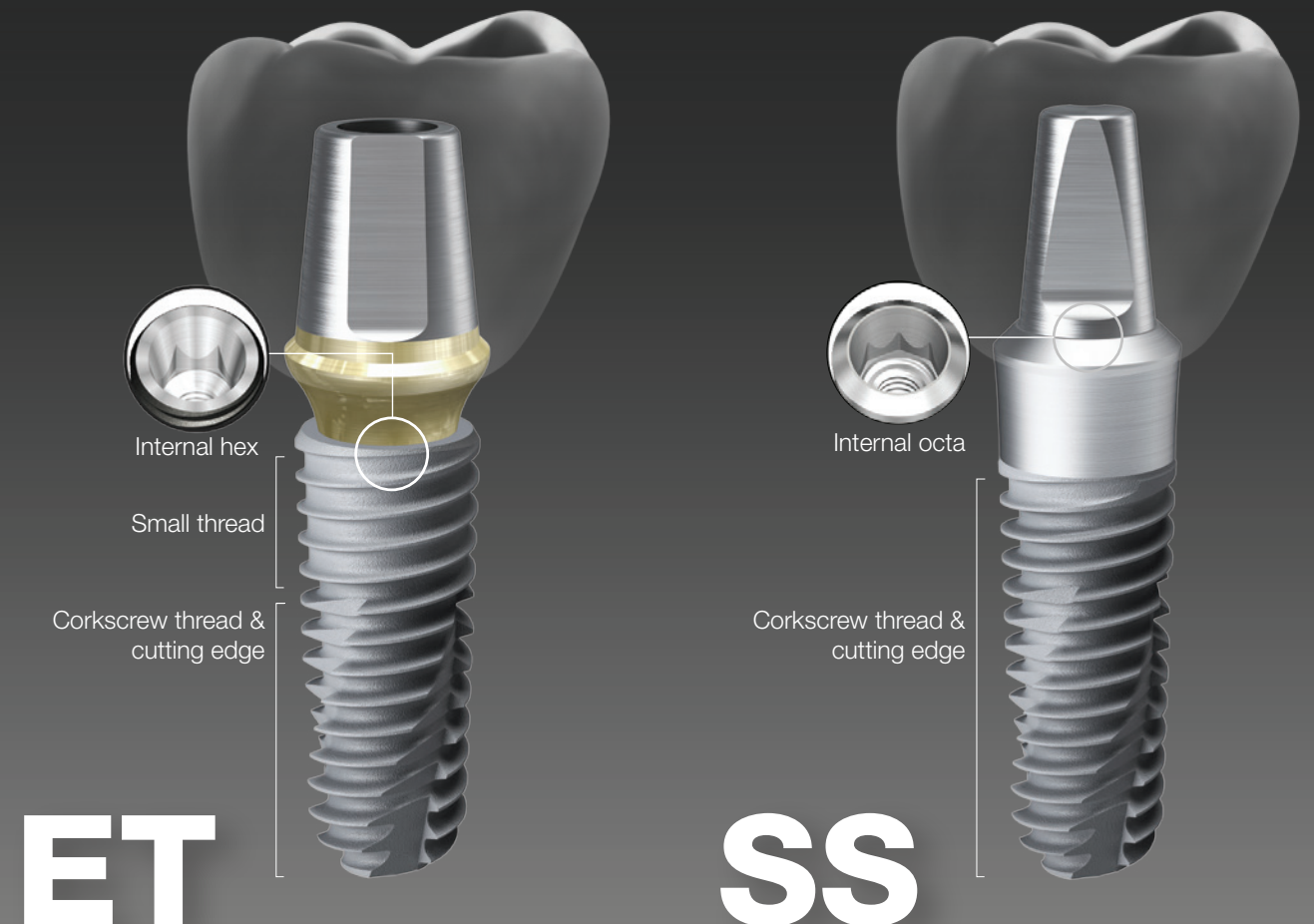
### In-vitro and In-vivo Bone Response

- Combination of advantages of both SA surfaces and HA
  - SA's ability to maintain the optimal surface morphology
  - HA's ability of high-quality bone formation even in bones of poor quality
- Ossification (BIC) improved by 40% compared to SA surfaces
- Applicable to all types of bone quality compared to HA



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

- Connection - **Regular only** (2.1 hex single platform)
  - Improved strength with a narrower and deeper connection
  - Reduced prosthetic errors and inventory burden because of not having to change the connection (**Mini / Regular**)
- Abutment holding system applied to enable screw fastening with one hand
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Corkscrew thread & cutting edge
  - Superior self-threading effect for ease of placement path adjustment
  - Enhanced initial stability in soft bone and application of consistent placement torque according to the drill diameter
- Applicable surface types - SA / NH



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

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

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

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

# Hiossen Implant Marks 20 years of GLOBAL MARKET EXPANSION

Since our inception as the flagship US subsidiary of the Osstem group in 2006, Hiossen Implant has evolved from a Pennsylvania-based startup into a cornerstone of the global dental industry. Today, we stand at the threshold of a historic milestone: celebrating 30 years of Osstem's clinical innovation and 20 years of Hiossen's American-led excellence.

Ranked 3rd in global market share, our journey is defined by a relentless commitment to superior engineering and local clinical support. From our headquarters in Ridgefield Park, NJ, we command a worldwide network of 4,500 professionals across 70 countries—each dedicated to providing the innovative technology that practitioners trust and patients deserve.

## WORLD WIDE & HISTORY

**1997**

Established Osstem, Korea

**2006**

Established Hiossen, Pennsylvania, USA

**2007**

Launched AIC Education Center  
Advanced Dental Implant  
Research and Education Center

**2008**

Establishment of Dental Implant  
Manufacturing Facility, USA

**2011**

Launched ET III SA implant  
(Sand-blasted & Acid-etched)

**2013**

Establishment of  
SmartFit Center East  
Comprehensive digital implant  
scan, design, milling

**2016**

Launched ET III NH implant  
(Nano-Hydrophilic)

**2018**

Recognized as TOP 5 in  
Global Dental Implant Market  
Launched K3 Unit Chair

**2020**

Establishment of  
SmartFit Center West  
Comprehensive digital implant  
scan, design, milling

**2022**

Operating 17 sales regions  
and 83 branches nationwide  
Exporting to over 70 countries  
Launched T2 CBCT

**2023**

The President "E" Award  
Achievements in Exportation  
by the U.S Department of Commerce

**2024**

Launched EK III implant  
(Nano-Hydrophilic)  
Launched K5 Unit Chair  
Launched T2Plus CBCT  
Launched Hiossen Digital Center  
Recognized as TOP 3 in  
Global Dental Implant Market

**2025**

Launched Dental Night Guard  
Launched Scan Healing Abutment

**2026**

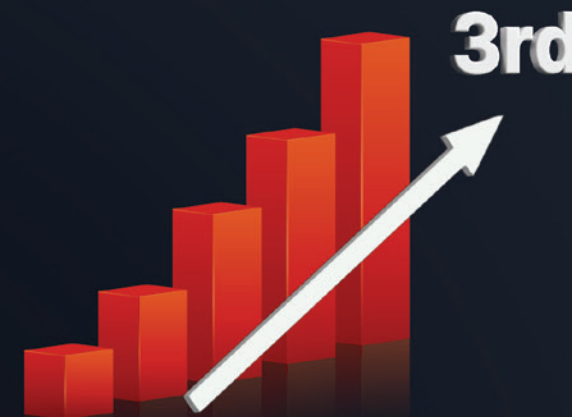
20 years of Global Market Expansion

## GLOBAL FOOTPRINT TODAY

We are rapidly expanding globally, operating in 40 countries and exporting to over 70 countries.

**40**  
Countries  
Operating

**70**  
Countries  
Sales Distribution



|                 |            |                  |                      |
|-----------------|------------|------------------|----------------------|
| Albania         | Georgia    | Mexico           | Slovenia             |
| Australia       | Germany    | Mongolia         | South Korea          |
| Azerbaijan      | Greece     | Morocco          | Spain                |
| Bangladesh      | Hungary    | Netherlands      | Sweden               |
| Beijing (China) | India      | New Zealand      | Switzerland          |
| Belarus         | Indonesia  | Norway           | Taiwan               |
| Bosnia          | Italy      | Pakistan         | Thailand             |
| Brazil          | Japan      | Peru             | Tianjin (China)      |
| Bulgaria        | Jordan     | Philippines      | Turkiye              |
| Canada          | Kazakhstan | Poland           | United Arab          |
| Chile           | Kosovo     | Portugal         | Emirates             |
| Croatia         | Kuwait     | Romania          | Ukraine              |
| Cyprus          | Latvia     | Russia           | United Kingdom       |
| Czech Republic  | Lebanon    | Saudi Arabia     | <b>United States</b> |
| Egypt           | Libya      | Serbia           | Uzbekistan           |
| Estonia         | Lithuania  | Shenzhen (China) | Vietnam              |
| Finland         | Malaysia   | Singapore        |                      |
| France          | Macedonia  | Slovakia         |                      |

**HIOSSEN**  
IMPLANT



# IMPLANT SYSTEM

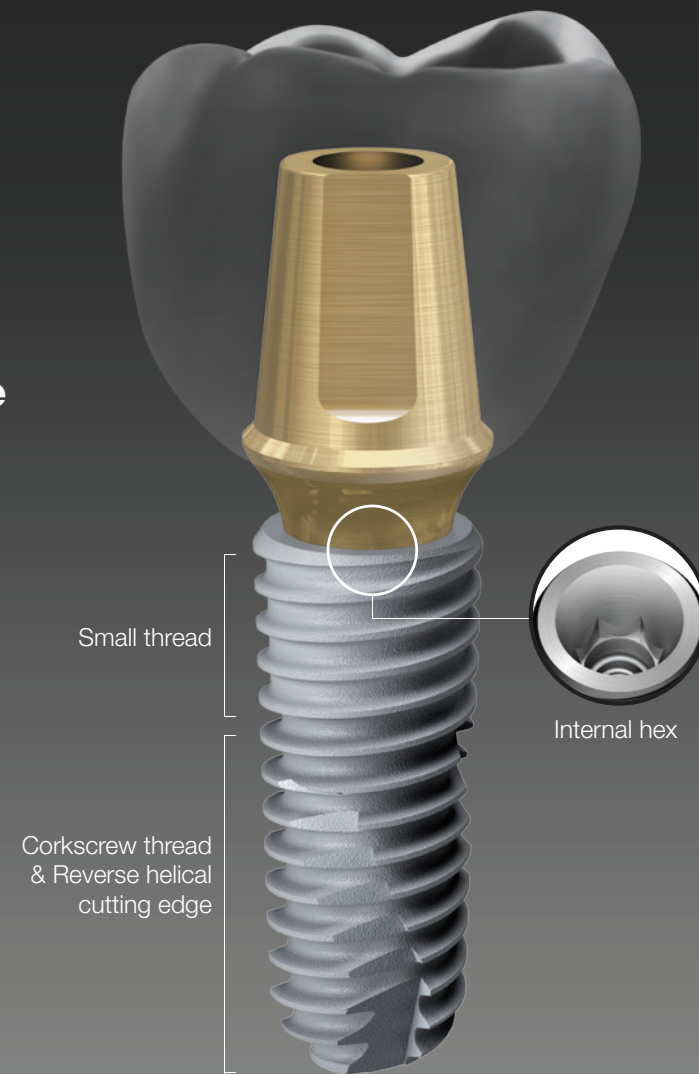
## IMPLANT

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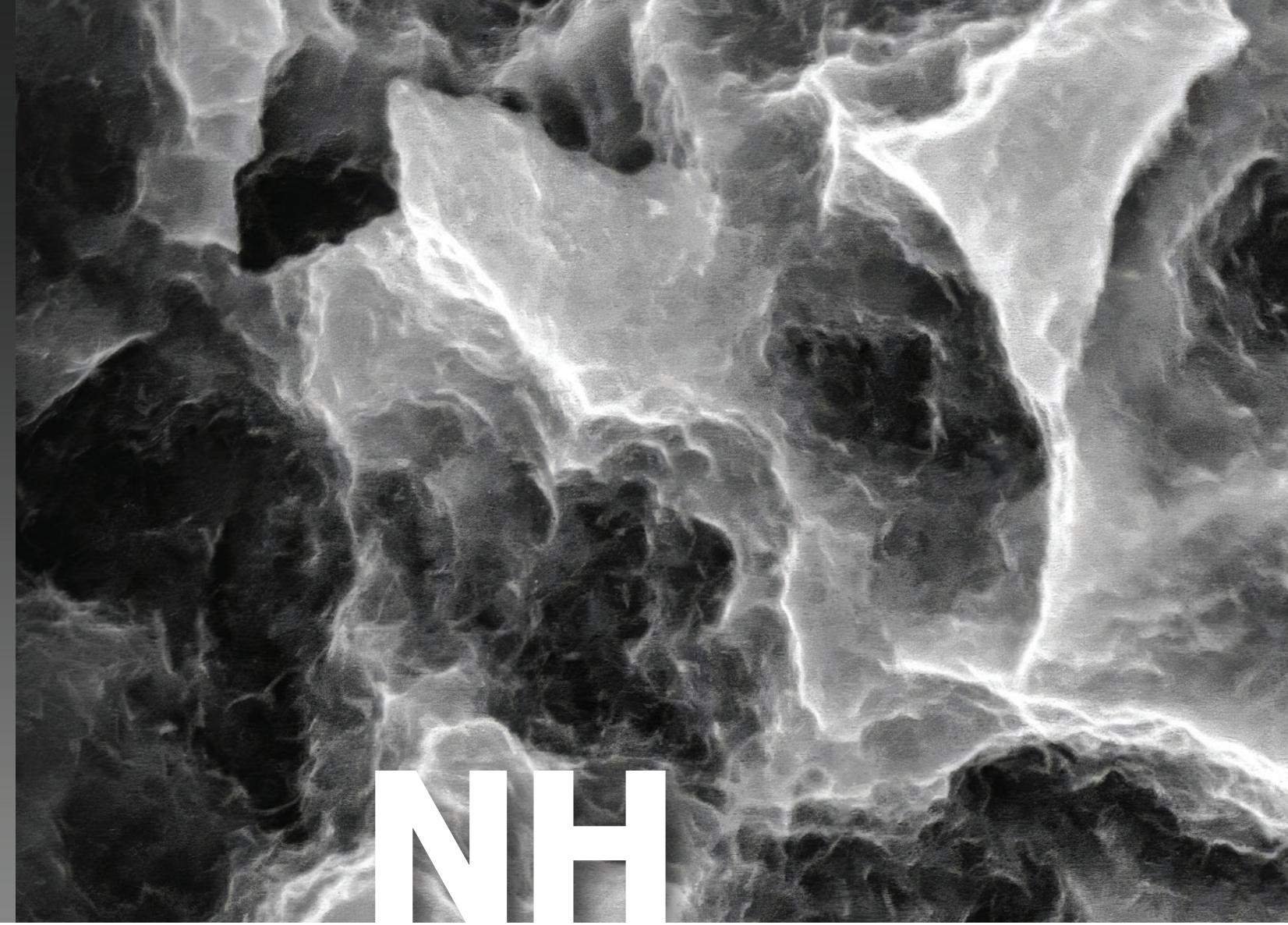
## EK Design & Surface Feature



# EK

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

- Connection - **Regular only** (2.1 hex single platform)
  - Improved strength with a narrower and deeper connection
  - Reduced prosthetic errors and inventory burden because of not having to change the connection (**Mini / Regular**)
- Abutment holding system applied to enable screw fastening with one hand
- Effect of improved initial stability in soft bone by using smaller threads in the upper section
- Corkscrew thread & cutting edge
  - Superior self-threading effect for ease of placement path adjustment
  - Enhanced initial stability in soft bone and application of consistent placement torque according to the drill diameter
- Applicable surface types - SA / NH



### Low crystalline nano-HA coated SA surface


- Faster Bone Healing. Improved Osseointegration
- 10nm or less ultra-thin hydroxyapatite (HA) coating
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### In-vitro and In-vivo Bone Response

- Combination of advantages of both SA surfaces and HA
  - SA's ability to maintain the optimal surface morphology
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- Ossification (BIC) improved by 40% compared to SA surfaces
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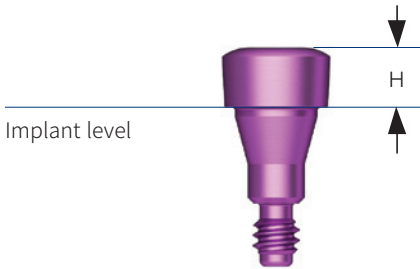



# EK Implant System

| EK Implant System   | Guide |
|---|-------|
| <p><b>Description</b></p> <ul style="list-style-type: none"> <li>• Next-generation submerged type implant with 15° Morse Taper Connection</li> <li>• Connection: Single Platform (2.1 Hex)               <ul style="list-style-type: none"> <li>- Increased implant wall thickness with deeper implant connection</li> <li>- Improved inventory management efficiency</li> </ul> </li> <li>• 1.5° Tapered body with buttress threads increases the contact surface with the bone</li> <li>• Smaller threads in the upper section improve primary stability</li> </ul> <p><b>Narrow</b></p> <ul style="list-style-type: none"> <li>• Used for narrow bone width</li> <li>• For anterior region extraction</li> </ul> <p><b>Ultra-Wide</b></p> <ul style="list-style-type: none"> <li>• Indicated for posterior region extraction, immediate implant replacement, and failed implant replacement</li> <li>• Apex design allows implant to achieve initial stability from extractions with 3mm or less</li> <li>• Recommended placement torque: 40Ncm or less</li> <li>• Recommended implant size in posterior: Ø4.5 or above</li> </ul> <div style="border: 1px solid #ccc; border-radius: 15px; padding: 10px; margin-top: 20px;"> <p><b>Order Code</b></p> <p><b>NoMount Implant:</b> Code starts with "C"</p> <p><b>Mount Implant:</b> Code starts with "A"</p> </div> |       |

| Platform   | Single  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|
| Hex  | Hex 2.1   |   |   |   |   |   |   |   |
| F  | F3.3  | F3.5  | F4.0  | F4.5  | F5.0  | F5.5  | F6.0  | F7.0  |
| <br>L |  |  |  |  |  |  |  |  |
| <b>6mm</b>   | -   | -   | -   | -   | -   | -   | EK3S6006B   | EK3S7006B   |
| <b>7mm</b>   | -   | -   | EK3S4007B   | EK3S4507B   | EK3S5007B   | EK3S5507B   | EK3S6007B   | EK3S7007B   |
| <b>8.5mm</b>   | EK3S3008B   | EK3S3508B   | EK3S4008B   | EK3S4508B   | EK3S5008B   | EK3S5508B   | EK3S6008B   | EK3S7008B   |
| <b>10mm</b>  | EK3S3010B   | EK3S3510B   | EK3S4010B   | EK3S4510B   | EK3S5010B   | EK3S5510B   | EK3S6010B   | EK3S7010B   |
| <b>11.5mm</b>  | EK3S3011B   | EK3S3511B   | EK3S4011B   | EK3S4511B   | EK3S5011B   | EK3S5511B   | EK3S6011B   | EK3S7011B   |
| <b>13 mm</b>   | EK3S3013B   | EK3S3513B   | EK3S4013B   | EK3S4513B   | EK3S5013B   | EK3S5513B   | EK3S6013B   | EK3S7013B   |

※ Specifications are subject to change without any notice

# Mount & Screw

| Cover Screw  |   |
|--|---|
| Description  | Guide   |
| <ul style="list-style-type: none"> <li>Cover screw height (H) depends on the depth of implant placement</li> <li>Ø3.3 an Ø3.5 implants use exclusive cover screws</li> <li>Tighten with 1.2 Hex Hand Driver</li> </ul> |  <p>The diagram shows a purple cover screw. A horizontal line labeled 'Implant level' is drawn across the middle of the screw's conical part. A vertical double-headed arrow labeled 'H' indicates the height from the top of the screw to the implant level.</p> |
| H  | 0.4   |
| For Ø3.0   |  <p>EKCS30S</p>  |
| For Ø3.5   |  <p>EKCS35S</p>  |
| For Ø4.0 and above   |  <p>EKCS40S</p>  |

# Healing Abutment

| Healing Abutment   |             |       |            |            |             |  |
|--|-------------|-------|------------|------------|-------------|--|
| Description  | Image/Guide |       |            |            |             |  |
| <ul style="list-style-type: none"> <li>Hand tighten it with a 1.2 hex driver</li> <li>The gingiva height is 0.5mm higher when engaged in Ø3.5 implant</li> </ul> |             |       |            |            |             |  |
| <b>Reference table</b>   |             |       |            |            |             |  |
| Healing abutment   | H           | 3.0   | 4.0        | 5.0        | 6.0 & Above |  |
| Abutment   | G/H         | 1.0   | 2.0 or 3.0 | 3.0 or 4.0 | 5.0 & Above |  |
| Impression coping  | Type        | Short | Short      | Long       | Long        |  |

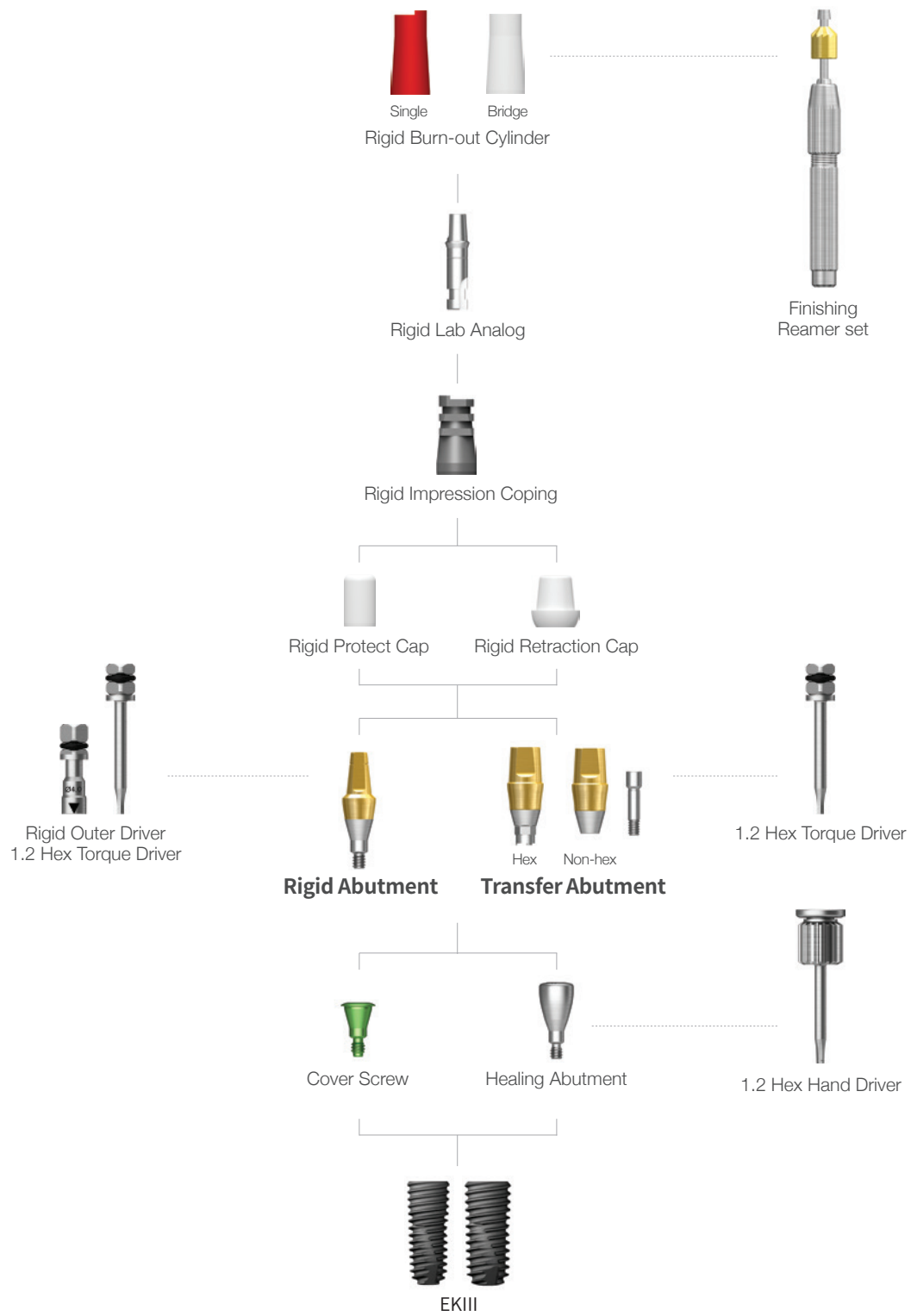
| H    | 3.0     | 4.0     | 5.0     | 6.0     | 7.0     | 9.0     |
|------|---------|---------|---------|---------|---------|---------|
| D    |         |         |         |         |         |         |
| Ø4.0 | EKHA403 | EKHA404 | EKHA405 | EKHA406 | EKHA406 | EKHA409 |
| Ø4.5 | EKHA453 | EKHA454 | EKHA455 | EKHA456 | EKHA456 | EKHA459 |
| Ø5.0 | EKHA503 | EKHA504 | EKHA505 | EKHA506 | EKHA506 | EKHA509 |
| Ø6.0 | EKHA603 | EKHA604 | EKHA605 | EKHA606 | EKHA606 | EKHA609 |
| Ø7.0 | EKHA703 | EKHA704 | EKHA705 | EKHA706 | EKHA706 | EKHA709 |
| Ø8.0 | -       | -       | EKHA805 | -       | -       | -       |

**HIOSSSEN**  
IMPLANT


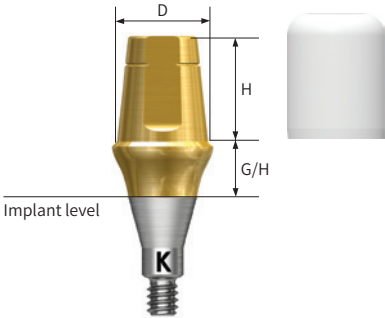
PROSTHETIC FLOW DIAGRAM 1







# Rigid







Abutment Level Impression









# Rigid Abutment







| Rigid Abutment   |   |
|--|---|
| Description  | Image/Guide   |
| <ul style="list-style-type: none"> <li>Cement-retained prosthesis</li> <li>Abutment level impression</li> <li>Ø4.0: torque using the outer driver (code: HORDML/HORDMS)</li> <li>Ø4.5/5.0/6.0: torque using the outer driver or 1.2 hex driver</li> <li>Ø7.0: torque using a 1.2 hex driver</li> <li>The gingiva height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: Abutment + Protect cap</li> </ul> <p>※ Compatible with ET Rigid Abutment Component, please refer to <a href="#">page 56-57</a></p>  <p>EK products are marked with "K".</p> |  |

| Ø4.0   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| G/H  | 1.0  | 2.0  | 3.0  | 4.0  | 5.0  |  |
|  |  |  |  |  |  |  |
| H  |  |  |  |  |  |  |
| 4.0  | EKRA4410P  | EKRA4420P  | EKRA4430P  | EKRA4440P  | EKRA4450P  |  |
| 5.5  | EKRA4610P  | EKRA4620P  | EKRA4630P  | EKRA4640P  | EKRA4650P  |  |
| 7.0  | EKRA4710P  | EKRA4720P  | EKRA4730P  | EKRA4740P  | EKRA4750P  |  |

| Ø4.5  |   |   |   |   |   |  |
|---|---|---|---|---|---|--|
| G/H   | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |  |
|  |  |  |  |  |  |  |
| H   |   |   |   |   |   |  |
| 4.0   | EKRA4411P   | EKRA4421P   | EKRA4431P   | EKRA4441P   | EKRA4451P   |  |
| 5.5   | EKRA4611P   | EKRA4621P   | EKRA4631P   | EKRA4641P   | EKRA4651P   |  |
| 7.0   | EKRA4711P   | EKRA4721P   | EKRA4731P   | EKRA4741P   | EKRA4751P   |  |

# Rigid Abutment

| Ø5.0   |   |   |   |   |   |
|--|---|---|---|---|---|
| G/H  | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
| <br>H |  |  |  |  |  |
| 4.0  | EKRA5410P   | EKRA5420P   | EKRA5430P   | EKRA5440P   | EKRA5450P   |
| 5.5  | EKRA5610P   | EKRA5620P   | EKRA5630P   | EKRA5640P   | EKRA5650P   |
| 7.0  | EKRA5710P   | EKRA5720P   | EKRA5730P   | EKRA5740P   | EKRA5750P   |

| Ø6.0  |  |  |  |  |  |
|---|--|--|--|--|--|
| G/H   | 1.0  | 2.0  | 3.0  | 4.0  | 5.0  |
| <br>H |  |  |  |  |  |
| 4.0   | EKRA6410P  | EKRA6420P  | EKRA6430P  | EKRA6440P  | EKRA6450P  |
| 5.5   | EKRA6610P  | EKRA6620P  | EKRA6630P  | EKRA6640P  | EKRA6650P  |
| 7.0   | EKRA6710P  | EKRA6720P  | EKRA6730P  | EKRA6740P  | EKRA6750P  |

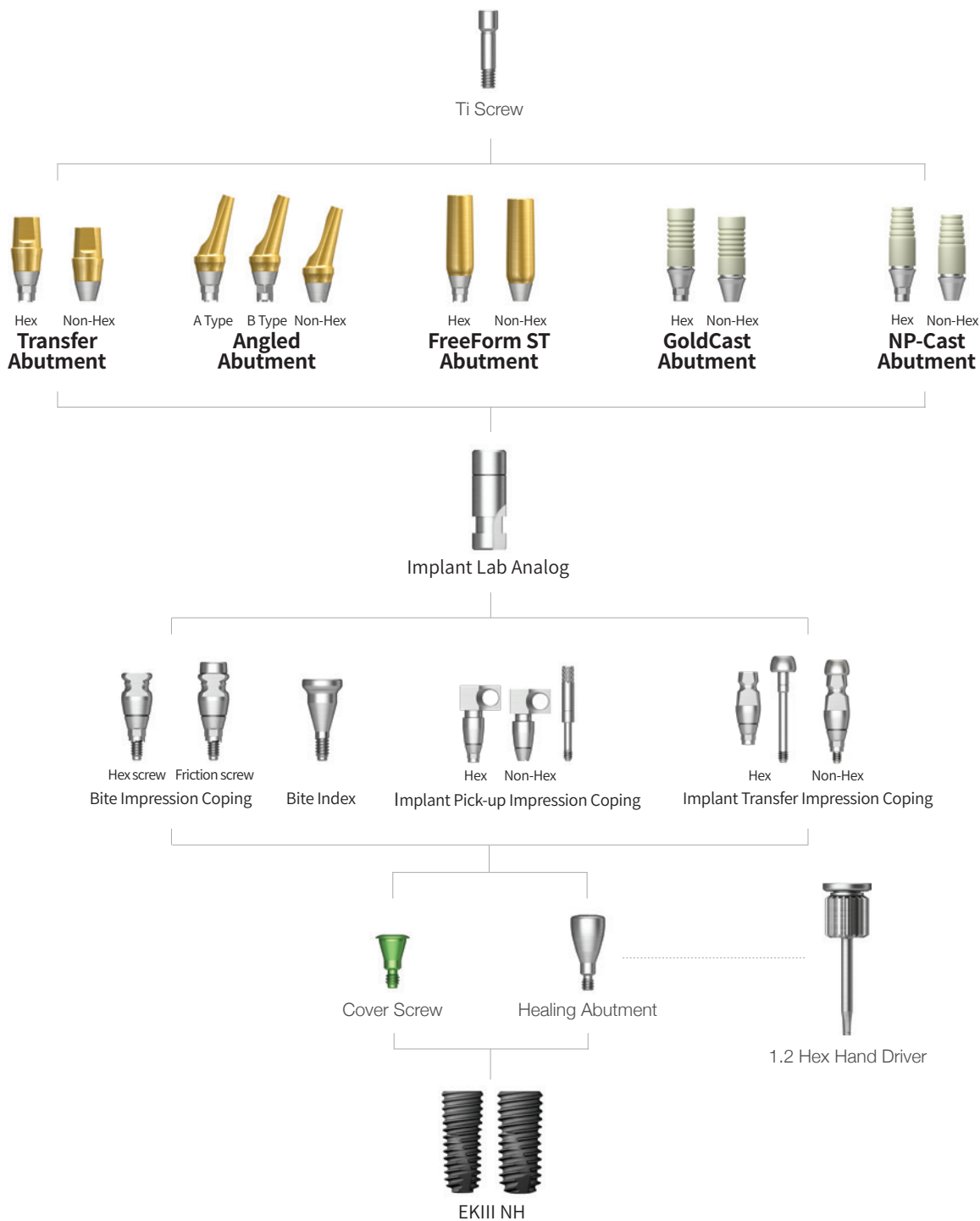
| Ø7.0   |   |   |   |   |   |
|--|---|---|---|---|---|
| G/H  | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
| <br>H |  |  |  |  |  |
| 5.5  | EKRA7610P   | EKRA7620P   | EKRA7630P   | EKRA7640P   | EKRA7650P   |

※ Specifications are subject to change without any notice



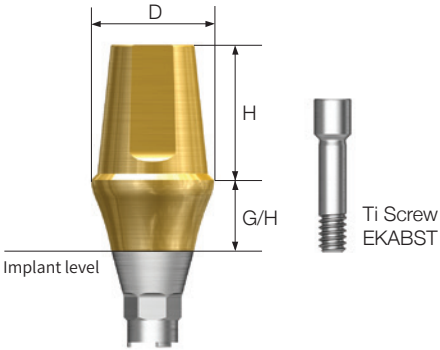
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# Transfer / Angled / FreeForm ST / GoldCast / NP-Cast

Implant Level Impression









# Transfer Abutment

| Transfer Abutment   | Image/Guide  |
|---|--|
| <p><b>Description</b></p> <ul style="list-style-type: none"> <li>• Cement-retained/combination prosthesis</li> <li>• Implant level impression</li> <li>• Abutment level impression is available using the rigid impression coping (Ø4.0 excluded)</li> <li>• Abutment Holding System allows abutment engagement in the maxilla with a single hand</li> <li>• The gingiva height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Packing unit: Abutment + Ti Screw</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>EK Hex Abutments have Abutment Holding System at the bottom</p> </div> <div style="text-align: center;">  <p>EK Non-Hex abutments have three indents at the bottom</p> </div> </div> |  <p>Implant level</p> <p>Ti Screw EKABST</p> |

| Ø4.0  |   |   |   |   |   |             |
|---|---|---|---|---|---|-------------|
| G/H   | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |             |
| <br><b>H</b> |  |  |  |  |  |             |
| Hex   | 5.5   | EKTA4612TH  | EKTA4622TH  | EKTA4632TH  | EKTA4642TH  | EKTA4652TH  |
|   | 7.0   | EKTA4712TH  | EKTA4722TH  | EKTA4732TH  | EKTA4742TH  | EKTA4752TH  |
| Non-Hex   | 5.5   | EKTA4612NTH   | EKTA4622NTH   | EKTA4632NTH   | EKTA4642NTH   | EKTA4652NTH |
|   | 7.0   | EKTA4712NTH   | EKTA4722NTH   | EKTA4732NTH   | EKTA4742NTH   | EKTA4752NTH |
| Ø4.5  |   |   |   |   |   |             |
| Hex   | 5.5   | EKTA4611TH  | EKTA4621TH  | EKTA4631TH  | EKTA4641TH  | EKTA4651TH  |
|   | 7.0   | EKTA4711TH  | EKTA4721TH  | EKTA4731TH  | EKTA4741TH  | EKTA4751TH  |
| Non-Hex   | 5.5   | EKTA4611NTH   | EKTA4621NTH   | EKTA4631NTH   | EKTA4641NTH   | EKTA4651NTH |
|   | 7.0   | EKTA4711NTH   | EKTA4721NTH   | EKTA4731NTH   | EKTA4741NTH   | EKTA4751NTH |

# Transfer Abutment

| Ø5.0  |   |   |   |   |   |             |
|---|---|---|---|---|---|-------------|
| G/H   | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |             |
|  |  |  |  |  |  |             |
| <b>H</b>  |   |   |   |   |   |             |
| Hex   | 4.0   | EKTA5410TH  | EKTA5420TH  | EKTA5430TH  | EKTA5440TH  | EKTA5450TH  |
|   | 5.5   | EKTA5610TH  | EKTA5620TH  | EKTA5630TH  | EKTA5640TH  | EKTA5650TH  |
|   | 7.0   | EKTA5710TH  | EKTA5720TH  | EKTA5730TH  | EKTA5740TH  | EKTA5750TH  |
| Non-Hex   | 4.0   | EKTA5410NTH   | EKTA5420NTH   | EKTA5430NTH   | EKTA5440NTH   | EKTA5450NTH |
|   | 5.5   | EKTA5610NTH   | EKTA5620NTH   | EKTA5630NTH   | EKTA5640NTH   | EKTA5650NTH |
|   | 7.0   | EKTA5710NTH   | EKTA5720NTH   | EKTA5730NTH   | EKTA5740NTH   | EKTA5750NTH |
| Ø6.0  |   |   |   |   |   |             |
| Hex   | 4.0   | EKTA6410TH  | EKTA6420TH  | EKTA6430TH  | EKTA6440TH  | EKTA6450TH  |
|   | 5.5   | EKTA6610TH  | EKTA6620TH  | EKTA6630TH  | EKTA6640TH  | EKTA6650TH  |
|   | 7.0   | EKTA6710TH  | EKTA6720TH  | EKTA6730TH  | EKTA6740TH  | EKTA6750TH  |
| Non-Hex   | 4.0   | EKTA6410NTH   | EKTA6420NTH   | EKTA6430NTH   | EKTA6440NTH   | EKTA6450NTH |
|   | 5.5   | EKTA6610NTH   | EKTA6620NTH   | EKTA6630NTH   | EKTA6640NTH   | EKTA6650NTH |
|   | 7.0   | EKTA6710NTH   | EKTA6720NTH   | EKTA6730NTH   | EKTA6740NTH   | EKTA6750NTH |
| Ø7.0  |   |   |   |   |   |             |
| Hex   | 4.0   | EKTA7410TH  | EKTA7420TH  | EKTA7430TH  | EKTA7440TH  | EKTA7450TH  |
|   | 5.5   | EKTA7610TH  | EKTA7620TH  | EKTA7630TH  | EKTA7640TH  | EKTA7650TH  |
| Non-Hex   | 4.0   | EKTA7410NTH   | EKTA7420NTH   | EKTA7430NTH   | EKTA7440NTH   | EKTA7450NTH |
|   | 5.5   | EKTA7610NTH   | EKTA7620NTH   | EKTA7630NTH   | EKTA7640NTH   | EKTA7650NTH |

# Transfer Abutment Components

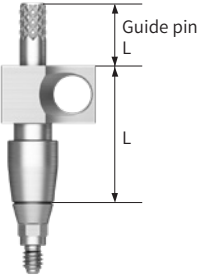












| Bite Impression Coping   |     |     | Image/Guide  |            |            |            |            |  |
|--|-----|-----|--|------------|------------|------------|------------|--|
| Description  |     |     | Image/Guide  |            |            |            |            |  |
| <ul style="list-style-type: none"> <li>Designed for implant level impression</li> <li>2-in-1 tool for bite registration and taking impression</li> <li>Utilizes same impression technique when using transfer impression coping</li> <li>Hand tighten with Bite Impression Coping Driver (HICDMH)</li> </ul> |     |     | <p>EK Non-Hex abutments have three indents at the bottom</p> <p>Hex screw type</p> |            |            |            |            |  |
| G/H  |     |     | 2.0  | 3.0        | 4.0        | 5.0        | 6.0        |  |
| H  |     |     |  |            |            |            |            |  |
| Ø4.0   | Hex | 4.0 | EKBIC4420H   | EKBIC4430H | EKBIC4440H | EKBIC4450H | EKBIC4460H |  |
|  |     | 5.0 | EKBIC4520H   | EKBIC4530H | EKBIC4540H | EKBIC4550H | EKBIC4560H |  |
|  |     | 6.0 | EKBIC4620H   | EKBIC4630H | EKBIC4640H | EKBIC4650H | EKBIC4660H |  |
| Ø4.5   | Hex | 4.0 | EKBIC4421H   | EKBIC4431H | EKBIC4441H | EKBIC4451H | EKBIC4461H |  |
|  |     | 5.0 | EKBIC4521H   | EKBIC4531H | EKBIC4541H | EKBIC4551H | EKBIC4561H |  |
|  |     | 6.0 | EKBIC4621H   | EKBIC4631H | EKBIC4641H | EKBIC4651H | EKBIC4661H |  |
| Ø5.0   | Hex | 4.0 | EKBIC5420H   | EKBIC5430H | EKBIC5440H | EKBIC5450H | EKBIC5460H |  |
|  |     | 5.0 | EKBIC5520H   | EKBIC5530H | EKBIC5540H | EKBIC5550H | EKBIC5560H |  |
|  |     | 6.0 | EKBIC5620H   | EKBIC5630H | EKBIC5640H | EKBIC5650H | EKBIC5660H |  |

※ EK Bite Impression Coping does not feature Abutment Holding System

| Bite Impression Coping Driver   |      |               |
|---|------|---------------|
| Description   | Type | Image         |
| <ul style="list-style-type: none"> <li>Tailored for tightening and loosening the bite impression coping</li> <li>A driver for hex screw type</li> </ul> | Hex  | <p>HICDMH</p> |

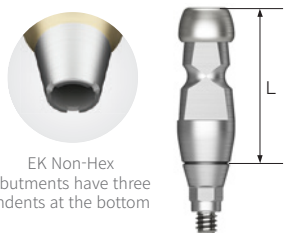




| Bite Index  |      |           |           |           |           |           |
|---|------|-----------|-----------|-----------|-----------|-----------|
| Description   | L    | 4.0       | 6.0       | 8.0       | 10.0      | 12.0      |
| <ul style="list-style-type: none"> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Engage to implant for checking bite impression</li> <li>Tighten with 1.2 Hex Hand Driver</li> <li>Packing unit: 2ea</li> </ul> |      |           |           |           |           |           |
|   | Ø4.5 | EKBI4504S | EKBI4506S | EKBI4508S | EKBI4510S | EKBI4512S |
|   | Ø5.5 | EKBI5504S | EKBI5506S | EKBI5508S | EKBI5510S | EKBI5512S |

# Transfer Abutment Components



| Implant Pick-up Impression Coping   |             |   |   |  |   |   |   |
|---|-------------|---|---|--|---|---|---|
| Description   |             | Hex   | Non-Hex   | Guide Pin  |   |   |   |
|   | L           | 11  |   | 0  | 5.0   | 10  | 15  |
| <ul style="list-style-type: none"> <li>• Components for implant level impression</li> <li>• Open Tray impression coping</li> <li>• Ensures precise positioning of internal hex in impression</li> <li>• The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>• Tighten with 1.2 Hex Hand Driver</li> <li>• Packing unit: Impression coping body + guide pin*</li> </ul> <p>* Standard guide pin length</p>   <p>EK Non-Hex abutments have three indents at the bottom</p> |             |    |    |  |    |    |    |
|   | <b>Ø4.0</b> | EKPI4011  | EKPI4011N   |  |   |   |   |
|   | <b>Ø4.5</b> | EKPI4511  | EKPI4511N   |  |   |   |   |
|   | <b>Ø5.0</b> | EKPI5011  | EKPI5011N   | EKPGP100   | EKPGP150*   | EKPGP200  | EKPGP250  |
|   | <b>Ø6.0</b> | EKPI6011  | EKPI6011N   |  |   |   |   |
|   | <b>Ø7.0</b> | EKPI7011  | EKPI7011N   |  |   |   |   |
|   |             |   |   |  |   |   |   |
|   |             | Hex   | Non-Hex   | Guide Pin  |   |   |   |
| L   |             | 16  |   |  | 0   | 5.0   | 10  |
|   |             |  |  |  |  |  |  |
| <b>Ø4.0</b>   | EKPI4016    | EKPI4016N   |   |  |   |   |   |
| <b>Ø4.5</b>   | EKPI4516    | EKPI4516N   |   |  |   |   |   |
| <b>Ø5.0</b>   | EKPI5016    | EKPI5016N   |   | -  | EKPGP150  | EKPGP200*   | EKPGP250  |
| <b>Ø6.0</b>   | EKPI6016    | EKPI6016N   |   |  |   |   |   |
| <b>Ø7.0</b>   | EKPI7016    | EKPI7016N   |   |  |   |   |   |



※ EK Pick-up Impression Coping does not feature the Abutment Holding System

# Transfer Abutment Components



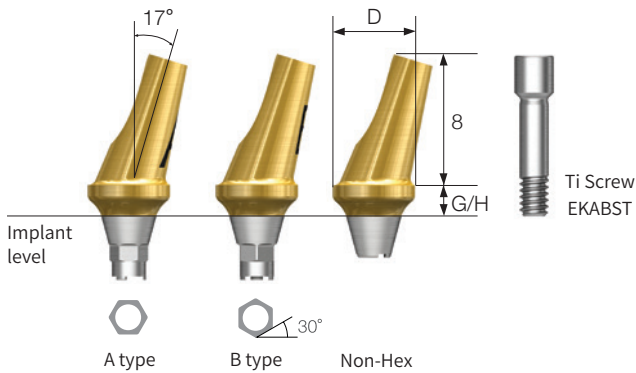
| Implant Transfer Impression Coping   |      |   |  |   |   |
|--|------|---|--|---|---|
| Description  |      | Hex   | Non-Hex  | Hex   | Non-Hex   |
|  | L    | 11  |  | 14  |   |
| <ul style="list-style-type: none"> <li>• Components for implant level impression</li> <li>• Closed Tray impression</li> <li>• Features a triangular arc structure for precise repositioning</li> <li>• The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>• Tighten with 1.2 Hex Hand Driver</li> <li>• Packing unit:                             <ul style="list-style-type: none"> <li>- Hex: Impression coping body + guide pin</li> <li>- Non-Hex: Impression coping body</li> </ul> </li> </ul>  <p>EK Non-Hex abutments have three indents at the bottom</p> |      |  |  |  |  |
|  | Ø4.0 | EKTI4011  | EKTI4011N  | EKTI4014  | EKTI4014N   |
|  | Ø4.5 | EKTI4511  | EKTI4511N  | EKTI4514  | EKTI4514N   |
|  | Ø5.0 | EKTI5011  | EKTI5011N  | EKTI5014  | EKTI5014N   |
|  | Ø6.0 | EKTI6011  | EKTI6011N  | EKTI6014  | EKTI6014N   |
|  | Ø7.0 | EKTI7011  | EKTI7011N  | EKTI7014  | EKTI7014N   |








※ EK Transfer Impression Coping does not feature Abutment Holding System

| Laboratory Screw  |   |   |
|---|---|---|
| Description   | Lab Screw   | Waxing Screw  |
| <ul style="list-style-type: none"> <li>• Laboratory screw: Designed specifically for laboratory tasks</li> <li>• Waxing screw: Utilized in creating screw-type abutments and transfer jigs by extending the screw hole to the abutment</li> </ul> |  |  |
|   | EKABSL  | EKABSW  |

| Transfer Lab Analog   |   |   |
|---|---|---|
| Description   | Ø3.3 / Ø3.5   | Ø4.0 and Above  |
| <ul style="list-style-type: none"> <li>• Laboratory analog for capturing implant level impressions</li> <li>• There are two variations, each tailored for implants with a diameter of Ø3.5/4.0 or larger</li> </ul> |  |  |
|   | EKTLA350  | EKTLA400  |

# Angled Abutment

| Angled Abutment  |  |
|--|--|
| Description  | Image/Guide  |
| <ul style="list-style-type: none"> <li>Cement-retained/combination prosthesis</li> <li>Abutment designed to compensate up to 23° without removal</li> <li>Suitable for implant level impression</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: Abutment + Ti Screw</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>EK Hex Abutments have Abutment Holding System at the bottom</p> </div> <div style="text-align: center;">  <p>EK Non-Hex abutments have three indents at the bottom</p> </div> </div> |  |

| G/H   | 2.0   |   |   | 4.0  |   |   |
|---|---|---|---|--|---|---|
|   | Hex A   | Hex B   | Non-Hex   | Hex A  | Hex B   | Non-Hex   |
|  |  |  |  |  |  |  |
| <b>Ø4.0</b>   | EKAA4020ATH   | EKAA4020BTH   | EKAA4020NTH   | EKAA4040ATH  | EKAA4040BTH   | EKAA4040NTH   |
| <b>Ø4.5</b>   | EKAA4520ATH   | EKAA4520BTH   | EKAA4520NTH   | EKAA4540ATH  | EKAA4540BTH   | EKAA4540NTH   |
| <b>Ø5.5</b>   | EKAA5020ATH   | EKAA5020BTH   | EKAA5020NTH   | EKAA5040ATH  | EKAA5040BTH   | EKAA5040NTH   |
| <b>Ø6.0</b>   | EKAA6020ATH   | EKAA6020BTH   | EKAA6020NTH   | EKAA6040ATH  | EKAA6040BTH   | EKAA6040NTH   |

# FreeForm ST Abutment

| FreeForm ST Abutment  |             |  |             |              |
|---|-------------|--|-------------|--------------|
| Description   |             |  | Image/Guide |              |
| <ul style="list-style-type: none"> <li>Cement-retained/combination prosthesis</li> <li>Utilized to modify contour of abutment margins</li> <li>Suitable for implant level impression</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: Abutment + Ti Screw</li> </ul> |             |  |             |              |
| <p>EK Hex Abutments have Abutment Holding System at the bottom</p>  |             | <p>EK Non-Hex abutments have three indents at the bottom</p> |             |              |
| G/H   | 1.5         |  | 3.0         |              |
| Type  | Hex         | Non-Hex  | Hex         | Non-Hex      |
|   |             |  |             |              |
| Ø4.0  | EKFA4015TH  | EKFA4015NTH  | EKFA4030TH  | EKFA4030NTH  |
| Ø5.0 (straight)   | EKFAS5015TH | EKFAS5015NTH   | EKFAS5030TH | EKFAS5030NTH |
| G/H   | 1.5         |  | 3.0         |              |
| Type  | Hex         | Non-Hex  | Hex         | Non-Hex      |
|   |             |  |             |              |
| Ø5.0  | EKFA5015TH  | EKFA5015NTH  | EKFA5030TH  | EKFA5030NTH  |
| Ø6.0  | EKFA6015TH  | EKFA6015NTH  | EKFA6030TH  | EKFA6030NTH  |
| Ø7.0  | EKFA7015TH  | EKFA7015NTH  | EKFA7030TH  | EKFA7030NTH  |



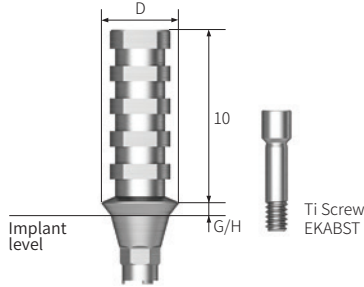





# GoldCast Abutment

| GoldCast Abutment   |            |             |  |             |
|---|------------|-------------|--|-------------|
| Description   |            |             | Image/Guide  |             |
| <ul style="list-style-type: none"> <li>Cement-retained/combination prosthesis</li> <li>Abutment used to produce customized prosthesis through gold alloy casting</li> <li>Melting temperature of abutment: 1,400 ~1,450°C (2,552~2,822°F)</li> <li>Suitable for implant level impression</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing Unit: Abutment + Ti Screw</li> </ul> |            |             | <p>EK Hex Abutments have Abutment Holding System at the bottom</p> <p>EK Non-Hex Abutments have three indents at the bottom</p> <p>Ti Screw EKABST</p> |             |
| G/H   | 1.0        |             | 3.0  |             |
| Type  | Hex        | Non-Hex     | Hex  | Non-Hex     |
|   |            |             |  |             |
| <b>Ø4.0</b>   | EKGA4010TH | EKGA4010NTH | EKGA4030TH   | EKGA4030NTH |
| <b>Ø4.5</b>   | EKGA4510TH | EKGA4510NTH | EKGA4530TH   | EKGA4530NTH |

# NP-Cast Abutment

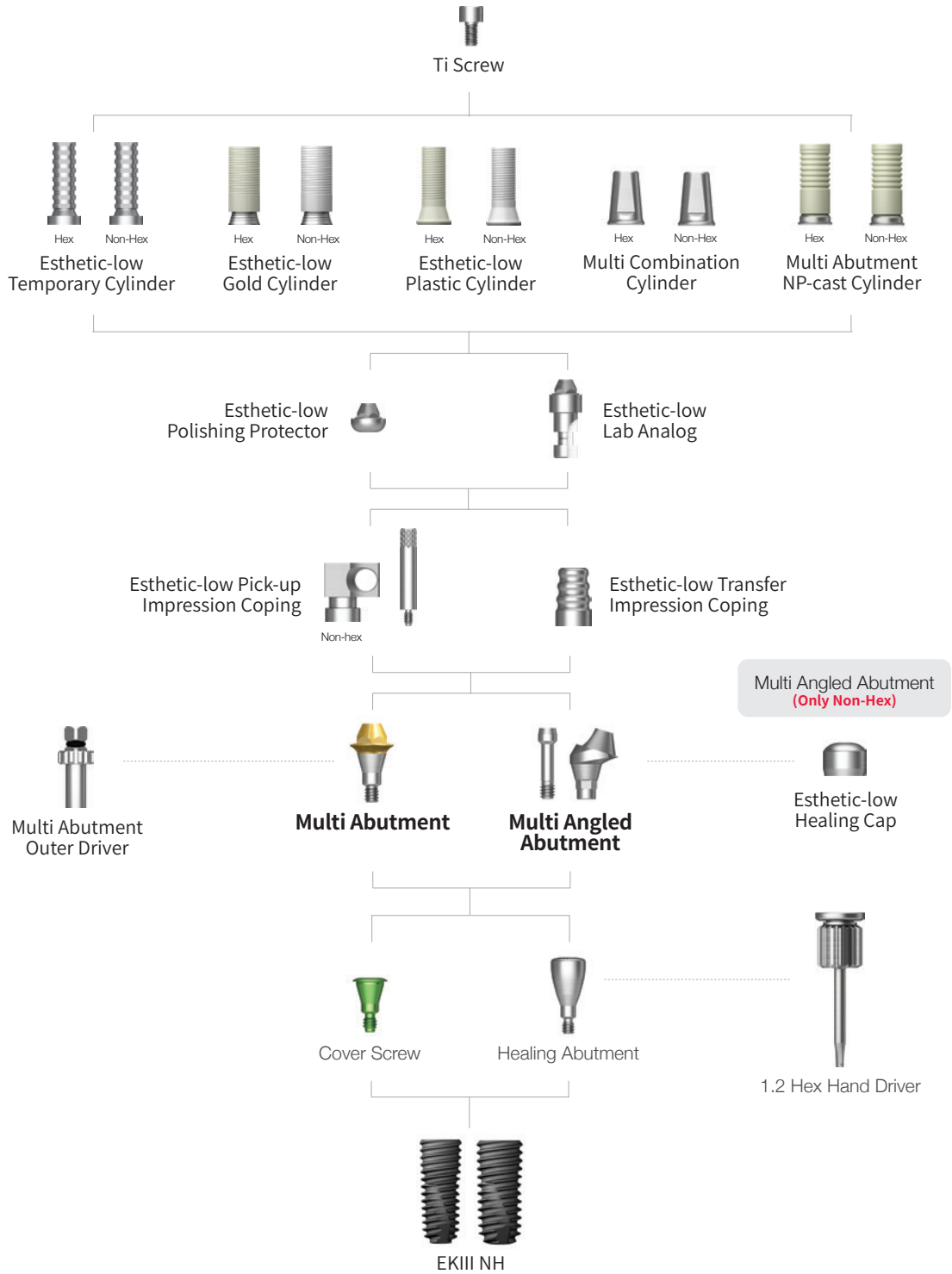
| NP-Cast Abutment  |            |             |  |             |
|---|------------|-------------|--|-------------|
| Description   |            |             | Image/Guide  |             |
| <ul style="list-style-type: none"> <li>Cement-retained/combination prosthesis</li> <li>Abutment used to produce customized prosthesis through non-precious alloy</li> <li>Melting temperature of abutment: 1,400 ~1,450°C (2,552~2,822°F)</li> <li>Suitable for implant level impression</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing Unit: Abutment + Ti Screw</li> </ul> |            |             | <p>EK Hex Abutments have Abutment Holding System at the bottom</p> <p>EK Non-Hex Abutments have three indents at the bottom</p> <p>Ti Screw EKABST</p> |             |
| G/H   | 1.0        |             | 3.0  |             |
| Type  | Hex        | Non-Hex     | Hex  | Non-Hex     |
|   |            |             |  |             |
| <b>Ø4.0</b>   | EKNA4010TH | EKNA4010NTH | EKNA4030TH   | EKNA4030NTH |
| <b>Ø4.5</b>   | EKNA4510TH | EKNA4510NTH | EKNA4530TH   | EKNA4530NTH |

# Temporary Abutment


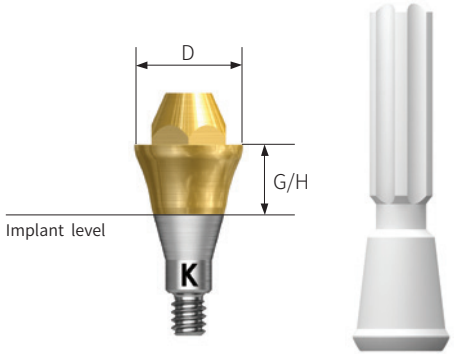





| Temporary Abutment  |  |  |  |  |
|---|--|--|--|--|
| Description   |  |  | Image/Guide  |  |
| <ul style="list-style-type: none"> <li>• Cement/screw-retained temporary prosthesis</li> <li>• Utilized for producing provisional prosthesis after preparation</li> <li>• Implant level impression</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended Tightening Torque: 20Ncm</li> <li>• Packing unit: Abutment + Ti Screw</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>EK Hex Abutments have Abutment Holding System at the bottom</p> </div> <div style="text-align: center;">  <p>EK Non-Hex abutments have three indents at the bottom</p> </div> </div> |  |  |   |  |
| G/H   | 1.0  |  | 3.0  |  |
| Type  | Hex  | Non-Hex  | Hex  | Non-Hex  |
|   |  |  |  |  |
| <b>Ø4.0</b>   | EKTTA4010TH  | EKTTA4010NTH   | EKTTA4030TH  | EKTTA4030NTH   |
| <b>Ø4.5</b>   | EKTTA4510TH  | EKTTA4510NTH   | EKTTA4530TH  | EKTTA4530NTH   |

# Multi / Multi Angled


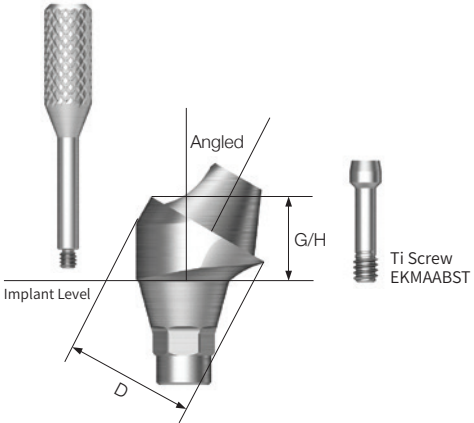







Abutment Level Impression



# Multi Abutment

| Multi Abutment  |   |   |   |   |   |
|---|---|---|---|---|---|
| Description   |   | Image/Guide   |   |   |   |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Abutment designed for multiple prosthetic options</li> <li>Shares the same platform as the Multi Angled Abutment</li> <li>Restorative components: Esthetic-Low Cylinders (Hex/Non-Hex)</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Torque using Multi Abutment Outer Driver Pin-Type (MAODP)</li> <li>Rescue using Multi Abutment Outer Driver (HMAOD)</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: Abutment + Carrier</li> </ul> <p>※ Compatible with ET Multi (Esthetic-Low) components, please refer to <a href="#">page 72-73</a></p> <div style="text-align: center;">  <p>EK products are marked with "K".</p> </div> |   |   |   |   |   |
| G/H   | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
|   |  |  |  |  |  |
| <b>Ø4.8</b>   | EKMA5010P   | EKMA5020P   | EKMA5030P   | EKMA5040P   | EKMA5050P   |

# Multi Angled Abutment

| Multi Angled Abutment   |   |   |  |  |  |  |
|---|---|---|--|--|--|--|
| Description   |   |   | Image/Guide  |  |  |  |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Abutment designed for multiple prosthetic options</li> <li>Shares the same platform as the Multi Abutment</li> <li>Restorative components: Esthetic-Low Cylinders (Hex/Non-Hex)</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Has dedicated abutment screw (EKMAABST)</li> <li>Torque using 1.2 Hex Hand Driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: Abutment + Carrier</li> </ul> <p>※ Compatible with ET Multi components, please refer to <a href="#">page 75</a></p> <div style="text-align: center;">  <p>EK products have a cylinder at the bottom</p> </div> |   |   |  |  |  |  |
| Angle   | 17°   |   |  | 30°  |  |  |
| G/H   | 2.5   | 3.0   | 4.0  | 3.5  | 4.0  | 5.0  |
|    |  |  |  |  |  |  |
| Ø4.8  | EK17MA4820TH  | EK17MA4830TH  | EK17MA4840TH   | EK30MA4830TH   | EK30MA4840TH   | EK30MA4850TH   |

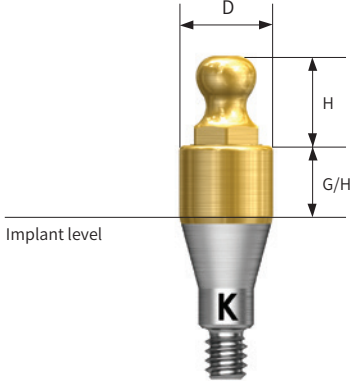








**HIOSSEN**  
IMPLANT

# Stud/Locator®

Overdenture



# Stud Abutment

| Stud Abutment  |  |  |  |   |  |  |
|--|--|--|--|---|--|--|
| Description  |  |  | Image/Guide  |   |  |  |
| <ul style="list-style-type: none"> <li>• Overdenture prosthesis with O-ring system</li> <li>• Abutment designed to compensate up to 20°</li> <li>• Torque using O-ring driver (code: HAORD)</li> <li>• The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Ball head diameter</li> <li>• Normal size: Ø2.25 (H 3.4mm)</li> </ul> <p>※ Compatible with ET O-ring components, please refer to <b>page 77</b></p> |  |  |  |   |  |  |
|  <p>EK products are marked with "K".</p>  |  |  |  |   |  |  |
| G/H  | 1.0  | 2.0  | 3.0  | 4.0   | 5.0  | 6.0  |
|  <p>Ø3.5</p>  |  |  |  |  |  |  |
| Normal Size  | EKSA3510   | EKSA3520   | EKSA3530   | EKSA3540  | EKSA3550   | EKSA3560   |

# Locator® Legacy Abutment


| Locator® Legacy Abutment  |           |             |           |           |           |           |
|---|-----------|-------------|-----------|-----------|-----------|-----------|
| Description   |           | Image/Guide |           |           |           |           |
| <ul style="list-style-type: none"> <li>Genuine Zest Dental Abutment</li> <li>1.5mm lower profile with various attachments for stable retention force</li> <li>Torque using a Locator Outer Driver (code: TWLDSK/TWLDLK)</li> <li>Recommended tightening torque: 30Ncm</li> </ul> <p><b>Locator Removable</b></p> <ul style="list-style-type: none"> <li>Angle compensation up to 40°</li> <li>Customizable overdenture retention</li> <li>Self-aligning design</li> </ul> <p><b>Locator Fixed</b></p> <ul style="list-style-type: none"> <li>Permanent prosthesis solution</li> <li>Minimize friction on gum</li> </ul> |           |             |           |           |           |           |
| G/H   | 1.0       | 2.0         | 3.0       | 4.0       | 5.0       | 6.0       |
|   |           |             |           |           |           |           |
| <b>Ø3.7</b>   | EKLCA0010 | EKLCA0020   | EKLCA0030 | EKLCA0040 | EKLCA0050 | EKLCA0060 |


| Locator® Male Processing Kit  |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>Components <ul style="list-style-type: none"> <li>- Block out spacer/denture cap, black processing male</li> <li>- Replacement male blue/pink/clear</li> </ul> </li> <li>A full range of retentive males are included with each denture cap to allow personalized retention for each specific patient</li> <li>Locator Core Tool places and removes nylon retentive males</li> <li>Packing unit: 2 sets</li> </ul> | <p>LMPS</p>     |


| Locator® Replacement Male   |  |            |             |             |
|---|--|------------|-------------|-------------|
| Description   |  | approx. 6N | approx. 12N | approx. 22N |
| <ul style="list-style-type: none"> <li>Angle compensation up to 20°</li> <li><b>Retention force:</b> approx. 6N, 12N, 22N</li> <li>Packing unit: 4ea</li> </ul> |  |            |             |             |
|   |  | LRM06S     | LRM12S      | LRM22S      |


| Locator® Extended Replacement Male   |            |            |            |             |
|--|------------|------------|------------|-------------|
| Description  | approx. 0N | approx. 6N | approx. 9N | approx. 12N |
| <ul style="list-style-type: none"> <li>Angle compensation up to 20°</li> <li><b>Retention force:</b> approx. 0N, 6N, 9N, 12N</li> <li>Packing unit: 4ea</li> </ul> |            |            |            |             |
|  |            | LEM00S     | LEM06S     | LRM09S      |


# Locator® Legacy Abutment Components



| Locator® Black Processing Male   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A nylon male used in prosthesis fabrication process</li> <li>• Packing unit: 4ea</li> </ul> |  |
|  | LBPS  |


| Locator® Impression Coping  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A pick up impression coping</li> <li>• Closed tray</li> <li>• Packing unit: 4ea</li> </ul> |  |
|   | LICS  |

| Locator® Block Out Spacers  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Block-out spacers used on the heads of the Locator abutments.</li> <li>• Seals gap between denture cap and abutment</li> <li>• Packing unit: 20ea</li> </ul> |  |
|   | LBSS  |

| Locator® Lab Analog  |        |        |   |
|--|--------|--------|---|
| Description  |        |        | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A lab analog for Locator abutment</li> <li>• Packing unit: 4ea</li> </ul> |        |        |  |
| Ø3.35  | Ø4.0   | Ø5.0   |   |
| LAL30S   | LAL40S | LAL50S |   |




| Locator® Core Tool  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Places and removes nylon retentive males in the denture cap</li> <li>• Divides into three separate tools: includes a hand driver for Locator abutment</li> </ul> |  |
|   | LCCT  |




| Locator® Torque Driver  |   |   |
|---|---|---|
| Description   | Short   | Long  |
| <ul style="list-style-type: none"> <li>• Locator torque driver</li> </ul> |  |  |
|   | TWLDSK  | TWLDLK  |


| Locator® Scan Body |           |   |
|--------------------|-----------|---|
| Qty                | Item code | Image   |
| 2 Pack             | LOCSB2    |  |
| 4 Pack             | LOCSB4    |   |
| 10 Pack            | LOCSB10   |   |

# Locator® Legacy Abutment Components


| Enhanced Locator® Core Tool   |   |
|---|---|
| Description   | Image/item code                         |
| <ul style="list-style-type: none"> <li>One streamlined tool compatible with Locator® Removable and Locator® FIXED Inserts</li> <li>Two-sided instrument designed for easy insertion and removal of any Locator® Insert                             <ul style="list-style-type: none"> <li>Insertion Tip: Effortlessly pickup inserts for transfer and placement in housing</li> <li>Removal Tip: Place tip with closed prongs into insert, twist collet to open prongs, tilt core tool and easily remove and Locator® Insert</li> </ul> </li> </ul> | <p style="text-align: center;">LECT</p> |


| Locator® FIXED Inserts   |  |     |       |      |        |
|--|--|-----|-------|------|--------|
| Description  | Image/Item code  |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in 4 implant fixed, full-arch cases</li> <li><b>Cannot</b> be used with Locator® FIXED <b>Blue</b> or <b>Tan</b> inserts</li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul> |  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>2Pk</td> <td>LFGI2</td> </tr> <tr> <td>10Pk</td> <td>LFGI10</td> </tr> </table>   | 2Pk | LFGI2 | 10Pk | LFGI10 |
| 2Pk  | LFGI2  |     |       |      |        |
| 10Pk   | LFGI10   |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in combination with Locator® FIXED <b>Tan anterior / posterior insert</b></li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul>  |  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>2Pk</td> <td>LFBI2</td> </tr> <tr> <td>10Pk</td> <td>LFBI10</td> </tr> </table> | 2Pk | LFBI2 | 10Pk | LFBI10 |
| 2Pk  | LFBI2  |     |       |      |        |
| 10Pk   | LFBI10   |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in combination with Locator® FIXED <b>Blue mid-arch insert</b></li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul>   |  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>2Pk</td> <td>LFI2</td> </tr> <tr> <td>10Pk</td> <td>LFTI10</td> </tr> </table>  | 2Pk | LFI2  | 10Pk | LFTI10 |
| 2Pk  | LFI2   |     |       |      |        |
| 10Pk   | LFTI10   |     |       |      |        |


| Locator® FIXED Processing Package  |   |
|--|---|
| Description  | Image/Item code   |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Green</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul> |  <p style="text-align: center;">LFPG</p>   |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Blue</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul>  |  <p style="text-align: center;">LFPB</p> |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Tan</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul>   |  <p style="text-align: center;">LFPT</p> |


| Locator® FIXED Housing Assembly  |  |     |       |      |        |
|--|--|-----|-------|------|--------|
| Description  | Image/Item code  |     |       |      |        |
| <ul style="list-style-type: none"> <li>Gold Housing for Locator® FIXED</li> <li>Backward compatible and can be used with Locator® standard and extended inserts</li> </ul> |  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>4Pk</td> <td>LFHA4</td> </tr> <tr> <td>10Pk</td> <td>LFHA10</td> </tr> </table> | 4Pk | LFHA4 | 10Pk | LFHA10 |
| 4Pk  | LFHA4  |     |       |      |        |
| 10Pk   | LFHA10   |     |       |      |        |


# Locator® Legacy Abutment Components


| Locator® Fixed Seating and Removal Tool   |  |
|---|--|
| Description   | Image/item code  |
| <ul style="list-style-type: none"> <li>• <b>Includes:</b> Tool, Seating Tip, Removal Tip, Wire and Level Wrench, and a Tip Wrench.</li> <li>• For seating and removing the prosthesis retained by the Locator® FIXED</li> </ul> |  |
|   | LFSRT  |


| Locator® FIXED Seating Tip   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement seating tip for the Locator® FIXED Seating and Removal Tool.</li> </ul> |  |
|  | LFST  |


| Locator® FIXED Removal Tip   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement removal tip for the Locator® FIXED Seating and Removal Tool.</li> </ul> |  |
|  | LFRT  |


| Locator® FIXED Seating Tip Cushion  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement cushion block for the seating tip</li> </ul> |  |
|   | LFSTC   |

| Locator® FIXED Removal Tip Wire Loop  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement wire loop for the removal tip</li> </ul> |  |
|   | LFRTWL  |

| Locator® FIXED Tool 2.4mm Hex Wrench  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Used to tighten or loosen the wire loop in the Locator® FIXED Removal Tip</li> </ul> |  |
|   | LFTHW   |

| Locator® FIXED Optional Removal Hook Tip |   |
|--|---|
| Description                              | Image/Item code   |
|  |  |
|  | LFORHT  |

| Locator® FIXED Tool Tip Wrench  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Tighten the seating or removal tip on the Locator® FIXED Seating and Removal tool from spinning</li> </ul> |  |
|   | LFTTW   |

| Locator® FIXED Processing Component Storage Box   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Improved Organization and Productivity</li> <li>• Easier Inventory Management</li> </ul> |  |
|   | LFPCSB  |

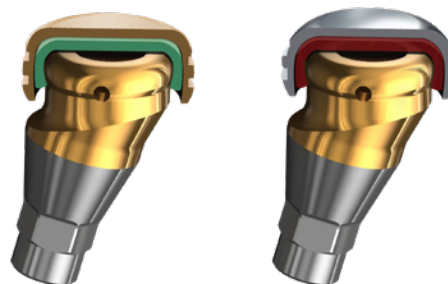
# Locator® Angled Abutment

## EK Locator® Angled Abutment

### Description

- Market-Leading Innovation: The newest solution for edentulous patients.
- 15-Degree Correction: Corrects up to 15 degrees of implant divergence.
- Expanded Angulation: Restores an additional 20 degrees using extended range or FIXED inserts.
- 35-Degree Total Restoration: Restores implants angled up to 35 degrees (if permitted by manufacturer).
- Included Parts: Comes with the Abutment, Internal Screw, and Parallel Post.
- Sold Separately: LOCATOR Angled Driver Set and Replacement Screw available individually.

### Image/Guide



Fixed

Removable

| G/H | 2.5      | 3.5      | 4.5      | 5.5      | 6.5      | 7.5      |
|-----|----------|----------|----------|----------|----------|----------|
|     |          |          |          |          |          |          |
|     | EKALOC25 | EKALOC35 | EKALOC45 | EKALOC55 | EKALOC65 | EKALOC75 |

# Locator® R-Tx Removable Attachment

| EK R-Tx Locator® Abutment  |            |             |            |            |            |            |
|--|------------|-------------|------------|------------|------------|------------|
| Description  |            | Image/Guide |            |            |            |            |
| <ul style="list-style-type: none"> <li>Maintain overall user familiarity and processing techniques</li> <li>All-in-one packaging (Abutment, Denture Attachment Housing, Retention Inserts, Block-out Spacer)</li> <li>Angle correction up to 30°</li> <li>Easier retention terminology: zero, low, medium, high</li> <li>Replace the Legacy Locator® center cavity with a conventional .050"/1.25mm Hex Driver to seat abutment</li> <li>New DuraTec® coating (TiCN – Titanium Carbon Nitride) for greater wear resistance that is anodized pink for better aesthetics</li> </ul> <p>※ Locator® R-Tx Processing Components, please refer to <a href="#">page 79 - 81</a></p> |            |             |            |            |            |            |
| G/H  | 1.0        | 2.0         | 3.0        | 4.0        | 5.0        | 6.0        |
|  |            |             |            |            |            |            |
|  | REKLCA0010 | REKLCA0020  | REKLCA0030 | REKLCA0040 | REKLCA0050 | REKLCA0060 |

**HIOSSEN**  
IMPLANT



# IMPLANT SYSTEM

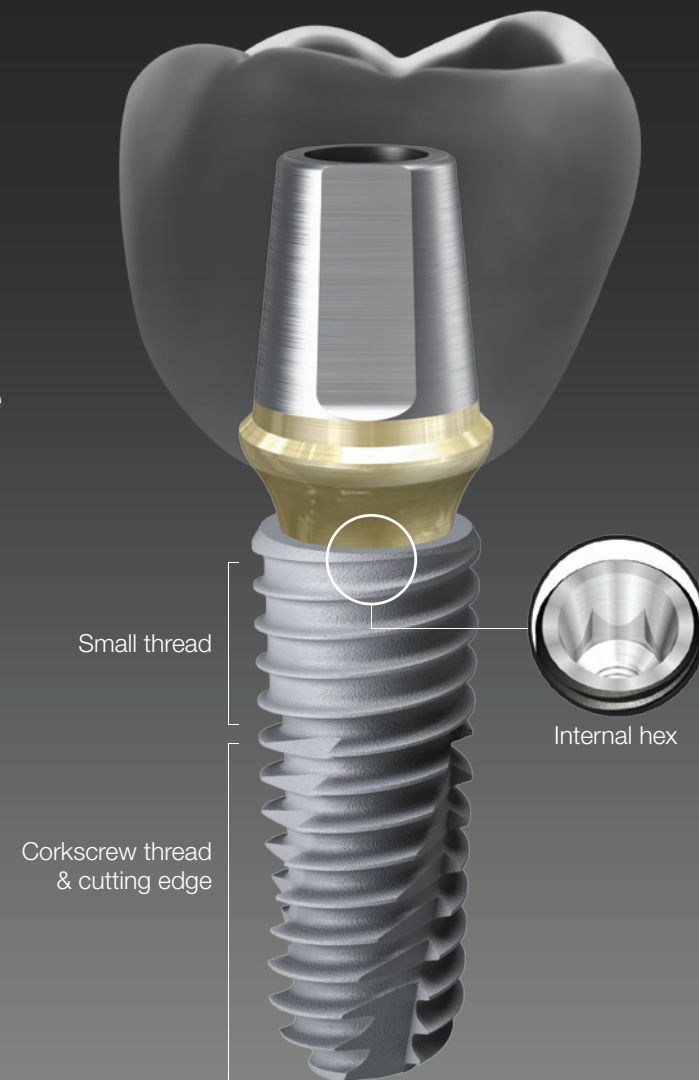
## IMPLANT

|                         |     |
|-------------------------|-----|
| ET Implant System Intro | 046 |
| ET III Implant System   | 048 |
| ET IV Implant System    | 049 |
| Cover Screw             | 050 |
| Healing Abutment        | 051 |

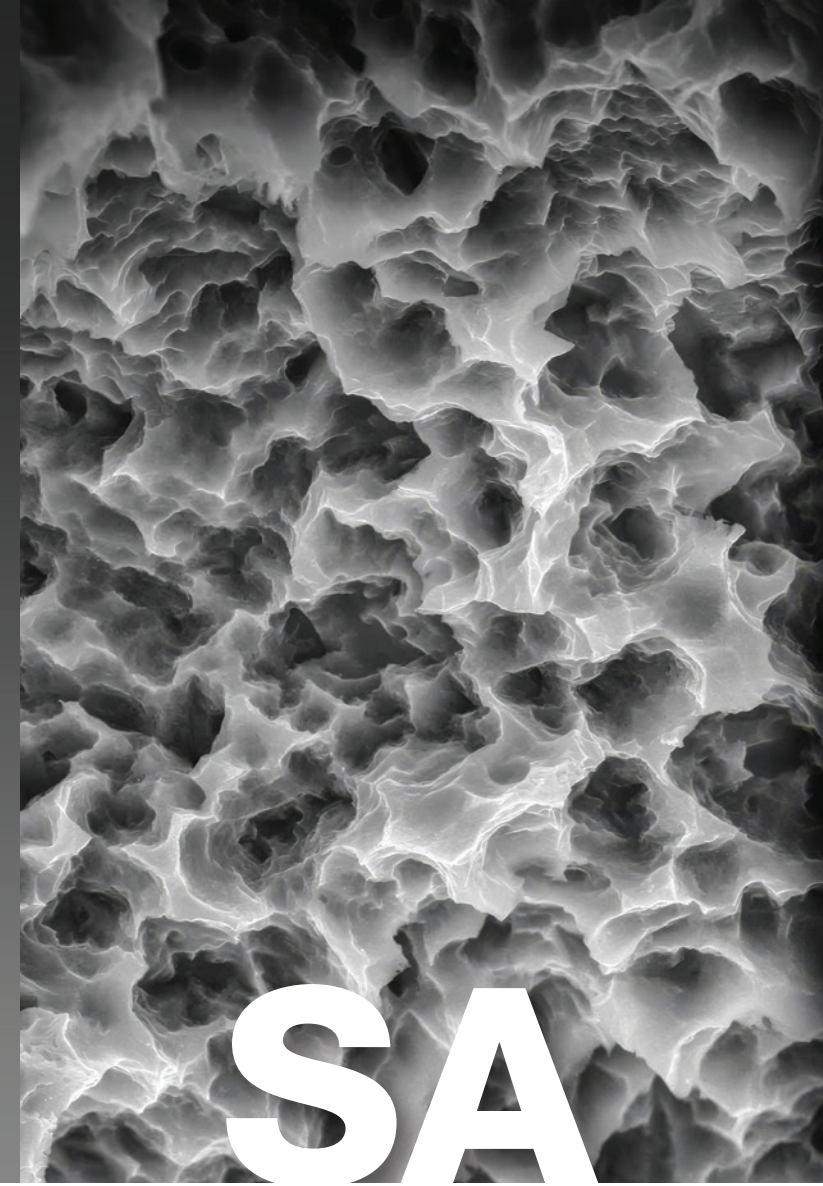
## COMPONENTS

|                                  |     |
|----------------------------------|-----|
| <b>PROSTHETIC FLOW DIAGRAM 5</b> | 052 |
| Rigid Abutment                   | 053 |
| <b>PROSTHETIC FLOW DIAGRAM 6</b> | 058 |
| Transfer Abutment                | 059 |
| Angled Abutment                  | 064 |
| Freeform ST Abutment             | 065 |
| Goldcast Abutment                | 066 |
| NP-Cast Abutment                 | 067 |
| <b>PROSTHETIC FLOW DIAGRAM 7</b> | 068 |
| Quick Temporary Abutment         | 069 |
| Temporary Abutment               | 069 |
| <b>PROSTHETIC FLOW DIAGRAM 8</b> | 070 |
| Multi Abutment                   | 071 |
| Multi Angled Abutment            | 042 |
| <b>PROSTHETIC FLOW DIAGRAM 9</b> | 076 |
| Stud Abutment                    | 077 |
| Locator® Legacy Abutment         | 078 |
| Locator® Angled Abutment         | 082 |
| Locator® R-TX Abutment           | 083 |

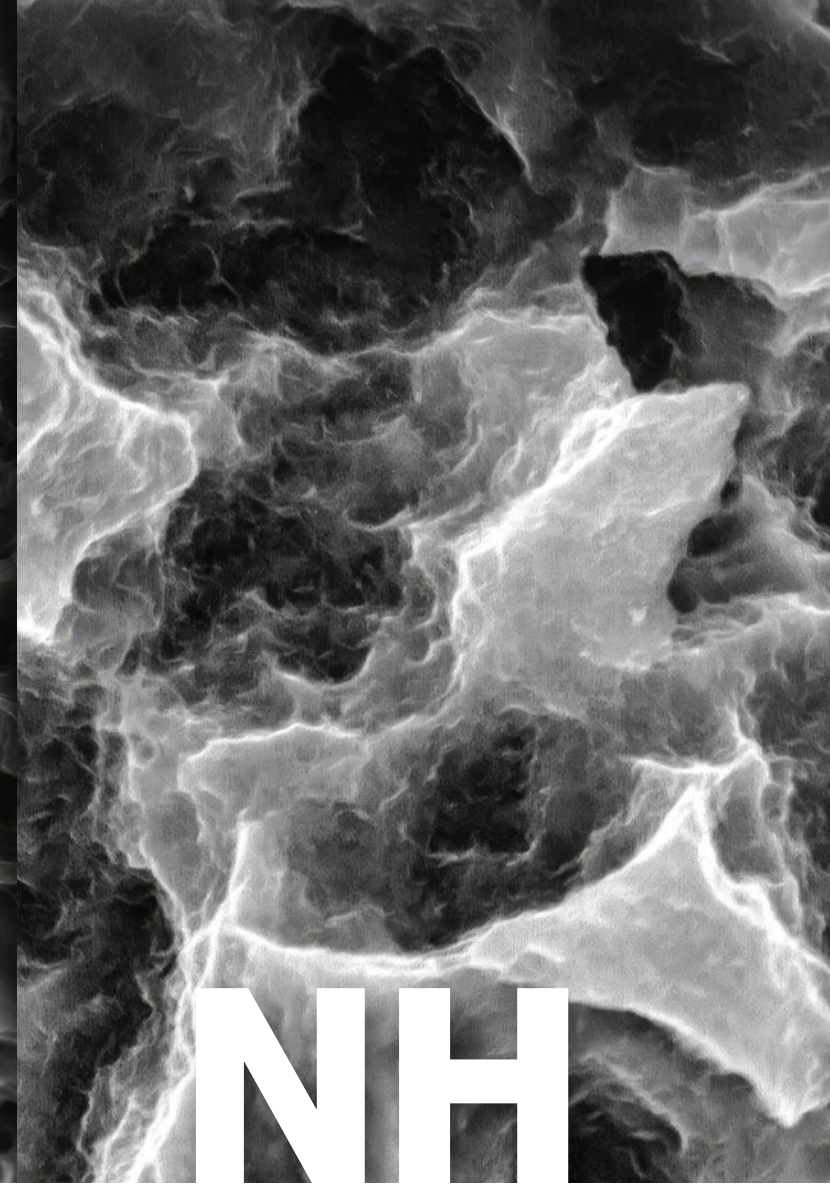
## ET Design & Surface Feature



# ET



# SA



# NH

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

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

### Optimized surface morphology through acid-etching treatment

- Sand Blasted with Alumina and Acid-Etched
- Surface roughness: Ra 2.0-3.0 $\mu\text{m}$   
(Note: the roughness in the upper 0.5mm part is Ra 0.5-0.6 $\mu\text{m}$ )
- Uniform surface micro-pits of 1~3 $\mu\text{m}$
- Surface area increased by 46% compared to resorbable blast media (RBM) treated implants

### In-vitro and In-vivo Bone Response

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

### Low crystalline nano-HA coated SA surface

- Faster Bone Healing. Improved Osseointegration
- 10nm or less ultra-thin hydroxyapatite (HA) coating
- SA surface (Ra 2.0-3.0 $\mu\text{m}$ ) coated with HA
- Dual functions of titanium and HA
  - HA is naturally resorbed during ossification

### In-vitro and In-vivo Bone Response

- Combination of advantages of both SA surfaces and HA
  - SA's ability to maintain the optimal surface morphology
  - HA's ability of high-quality bone formation even in bones of poor quality
- Ossification (BIC) improved by 40% compared to SA surfaces
- Applicable to all types of bone quality compared to HA

# ET III Implant System

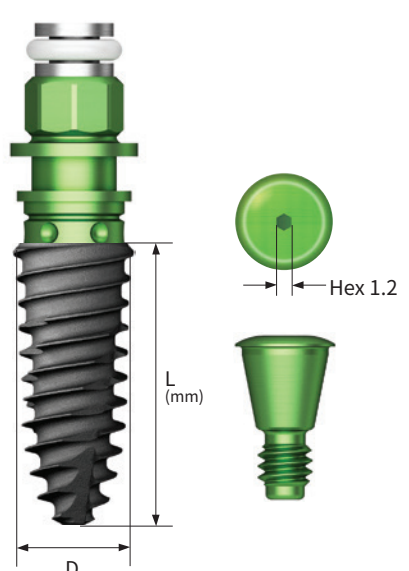
| ET III Implant System  |       |
|--|-------|
| Description  | Guide |
| <ul style="list-style-type: none"> <li>Bone level with 11° Morse taper internal hex connection</li> <li>Taper body with corkscrew thread design that acquires superior initial stability</li> <li>Narrow threads that increases self-tapping, path-correction and initial stability in soft bone</li> <li>Recommended implant placement torque: 40 Ncm or less</li> <li>Recommended implant size in posterior: Minimum Ø4.5mm</li> </ul> <p><b>Narrow</b></p> <ul style="list-style-type: none"> <li>Optimized for narrow ridge</li> <li>Compatible with Mini platform components (Excluded: Cover screw, Mount, Lab analog)</li> </ul> <p><b>Ultra-wide</b></p> <ul style="list-style-type: none"> <li>Optimized for posterior extraction and immediate placement, and replacement of failed implant case</li> <li>Apex design allows implant to achieve initial stability with immediate placement after extraction</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p><b>Order Code</b></p> <p><b>NoMount Implant:</b> Code starts with "C"</p> <p><b>Mount Implant:</b> Code starts with "A"</p> <p><b>ETNH:</b> Code ends with "B"</p> <p><b>ETSA:</b> Code ends with "S"</p> </div> |       |

| Platform  | Mini          |          | Regular  |          |          |          | Ultra-Wide |          |
|---|---------------|----------|----------|----------|----------|----------|------------|----------|
| Hex   | Hex 2.1       |          | Hex 2.5  |          |          |          |            |          |
| F   | F3.2 - Narrow | F3.5     | F4.0     | F4.5     | F5.0     | F5.5     | F6.0       | F7.0     |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="background-color: #f4a460; color: white; padding: 2px 5px; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">M</div> <div style="background-color: #4caf50; color: white; padding: 2px 5px; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">R</div> <div style="background-color: #2196f3; color: white; padding: 2px 5px; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">W</div> <div>L</div> </div> |               |          |          |          |          |          |            |          |
| 6mm (Short)   | -             | -        | -        | -        | ET3R5006 | ET3R5506 | ET3R6006   | ET3R7006 |
| 7mm   | -             | -        | ET3R4007 | ET3R4507 | ET3R5007 | ET3R5507 | ET3R6007   | ET3R7007 |
| 8.5mm   | ET3M3008      | ET3M3508 | ET3R4008 | ET3R4508 | ET3R5008 | ET3R5508 | ET3R6008   | ET3R7008 |
| 10mm  | ET3M3010      | ET3M3510 | ET3R4010 | ET3R4510 | ET3R5010 | ET3R5510 | ET3R6010   | ET3R7010 |
| 11.5mm  | ET3M3011      | ET3M3511 | ET3R4011 | ET3R4511 | ET3R5011 | ET3R5511 | ET3R6011   | ET3R7011 |
| 13 mm   | ET3M3013      | ET3M3513 | ET3R4013 | ET3R4513 | ET3R5013 | ET3R5513 | ET3R6013   | ET3R7013 |
| 15 mm   | ET3M3015      | ET3M3515 | ET3R4015 | ET3R4515 | ET3R5015 | -        | -          | -        |

※ For Ø3.2 implant, connection is 0.5mm shorter

※ Specifications are subject to change without any notice

# ET IV Implant System

| ET IV Implant System   |   |
|--|---|
| Description  | Guide   |
| <ul style="list-style-type: none"> <li>Bone level with 11° Morse taper internal hex connection</li> <li>Ideal thread design for optimal osseointegration in maxillary sinus and/or soft bone</li> <li>Narrow corkscrew threads that increase self-tapping, path-correction, and initial stability in soft bone</li> <li>Sharp apex design stably secures the fixation in D4 bone</li> <li>Recommended implant placement torque: 40Ncm or less</li> <li>Recommended implant placement speed: 15rpm or less due to larger thread pitch size</li> <li>Recommended implant size in the posterior: Minimum Ø4.5mm</li> </ul> <p><b>Narrow</b></p> <ul style="list-style-type: none"> <li>Optimized for narrow ridge</li> <li>Compatible with Mini platform components (Excluding: Cover Screw, Implant Mount, and Lab Analog)</li> </ul> <p><b>Ultra-wide</b></p> <ul style="list-style-type: none"> <li>Optimized for posterior region extraction, immediate implant replacement, and failed implant replacement</li> <li>Apex design allows implant to achieve initial stability with immediate placement after extraction</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p><b>Order Code</b></p> <p><b>NoMount Implant:</b> Code starts with "C"</p> <p><b>Mount Implant:</b> Code starts with "A"</p> <p><b>ETNH:</b> Code ends with "B"</p> <p><b>ETSA:</b> Code ends with "S"</p> </div> |  |

| Platform   | Regular   |   |   | Ultra-Wide  |   |
|--|---|---|---|---|---|
| Hex  | Hex 2.5   |   |   | Hex 2.5   |   |
| F  | F4.0/Pitch 0.8  | F4.5/Pitch 1.0  | F5.0/Pitch 1.2  | F6.0/Pitch 1.0  | F7.0/Pitch 1.0  |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid green; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">R</div> <div style="border: 1px solid blue; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">W</div> <div>L</div> </div> |  |  |  |  |  |
| 7.0 mm   | ET4R4007  | ET4R4507  | ET4R5007  | ET4R6007  | ET4R7007  |
| 8.5 mm   | ET4R4008  | ET4R4508  | ET4R5008  | ET4R6008  | ET4R7008  |
| 10 mm  | ET4R4010  | ET4R4510  | ET4R5010  | ET4R6010  | ET4R7010  |
| 11.5 mm  | ET4R4011  | ET4R4511  | ET4R5011  | ET4R6011  | ET4R7011  |
| 13 mm  | ET4R4013  | ET4R4513  | ET4R5013  | ET4R6013  | ET4R7013  |

# Cover Screw

| Cover Screw  |             |
|--|-------------|
| Description  | Image/Guide |
| <ul style="list-style-type: none"> <li>Cover screw height (H) depends on the depth of implant placement</li> <li>Ø3.2 implants use exclusive cover screws</li> <li>Tighten with 1.2 Hex Hand Driver</li> </ul> |             |

| Mini                      |        |         |         |
|---------------------------|--------|---------|---------|
| H                         | 0.4    | 1.4     | 2.0     |
| <b>M</b><br>P<br>For Ø3.2 |        |         |         |
|                           | GSCS30 | GSCS30M | GSCS30L |

| Mini          |        |         |         |
|---------------|--------|---------|---------|
| H             | 0.4    | 1.4     | 2.0     |
| <b>M</b><br>P |        |         |         |
|               | GSCS35 | GSCS35M | GSCS35L |

| Regular       |           |           |           |
|---------------|-----------|-----------|-----------|
| H             | 0.4       | 1.4       | 2.0       |
| <b>R</b><br>P |           |           |           |
|               | GSCS40S-G | GSCS40M-G | GSCS40L-G |

# Healing Abutment

| Healing Abutment   |      | Image/Guide |            |            |      |  |
|--|------|-------------|------------|------------|------|--|
| Description  |      | Image/Guide |            |            |      |  |
| <ul style="list-style-type: none"> <li>Mini platform prosthetic parts for Ø3.2 &amp; Ø3.5 implants are yellow</li> <li>Tighten with 1.2 Hex Hand Driver</li> </ul> |      |             |            |            |      |  |
| Reference table  |      |             |            |            |      |  |
| Healing abutment   | H    |             |            |            |      |  |
| Abutment   | G/H  | 1.0         | 2.0 or 3.0 | 3.0 or 4.0 | 5.0  |  |
| Impression coping  | Type | Short       | Short      | Long       | Long |  |

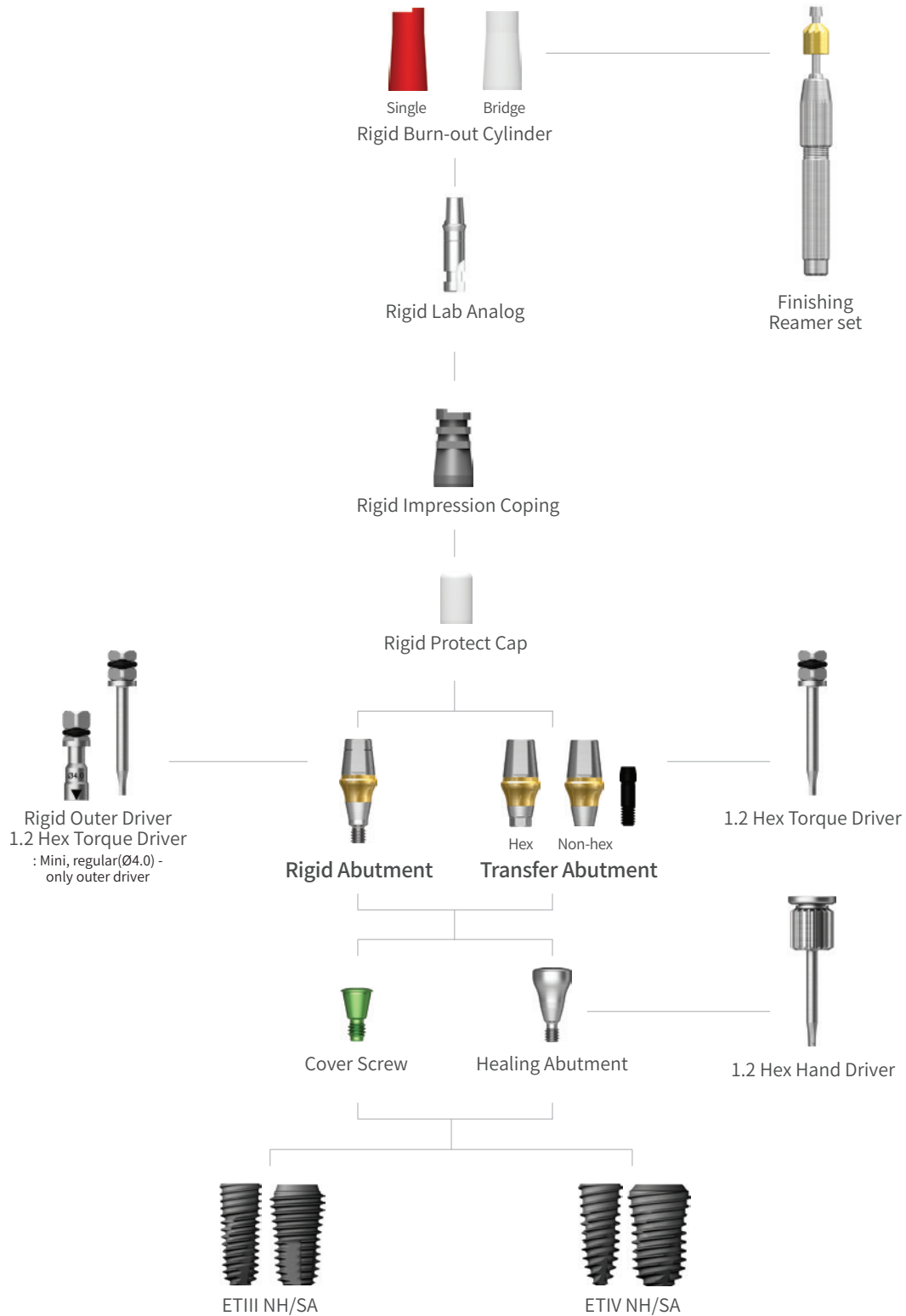
| Mini     |            |            |            |            |            |            |
|----------|------------|------------|------------|------------|------------|------------|
| H        | 3.0        | 4.0        | 5.0        | 6.0        | 7.0        | 9.0        |
| <b>M</b> |            |            |            |            |            |            |
| D        |            |            |            |            |            |            |
| Ø4.0     | ETHLA4003M | ETHLA4004M | ETHLA4005M | ETHLA4006M | ETHLA4007M | ETHLA4009M |
| Ø4.5     | ETHLA4503M | ETHLA4504M | ETHLA4505M | ETHLA4506M | ETHLA4507M | ETHLA4509M |

| Regular  |            |            |            |            |            |            |
|----------|------------|------------|------------|------------|------------|------------|
| H        | 3.0        | 4.0        | 5.0        | 6.0        | 7.0        | 9.0        |
| <b>R</b> |            |            |            |            |            |            |
| D        |            |            |            |            |            |            |
| Ø4.0     | ETHLA4003R | ETHLA4004R | ETHLA4005R | ETHLA4006R | ETHLA4007R | ETHLA4009R |
| Ø4.5     | ETHLA4503R | ETHLA4504R | ETHLA4505R | ETHLA4506R | ETHLA4507R | ETHLA4509R |
| Ø5.0     | ETHLA5003R | ETHLA5004R | ETHLA5005R | ETHLA5006R | ETHLA5007R | ETHLA5009R |
| Ø6.0     | ETHLA6003R | ETHLA6004R | ETHLA6005R | ETHLA6006R | ETHLA6007R | ETHLA6009R |
| Ø7.0     | ETHLA7003R | ETHLA7004R | ETHLA7005R | ETHLA7006R | ETHLA7007R | ETHLA7009R |

※ ET 6.0mm and 9.0mm healing abutments are anticipated to be available soon.

# Rigid

Abutment Level Impression








# Rigid Abutment






| Rigid Abutment  |             |
|---|-------------|
| Description   | Image/Guide |
| <ul style="list-style-type: none"> <li>• Cement-retained prosthesis</li> <li>• Abutment level impression</li> <li>• Ø4.0: torque with the outer driver (code: HORDML/HORDMS)</li> <li>• Ø4.5/5.0/6.0: torque with the outer driver or 1.2 hex driver</li> <li>• Ø7.0: torque with a 1.2 hex driver</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Packing unit: Abutment + Protect Cap</li> </ul> |             |






| Mini Ø4.0 |             |             |             |             |             |  |
|-----------|-------------|-------------|-------------|-------------|-------------|--|
| H         | 1.0         | 2.0         | 3.0         | 4.0         | 5.0         |  |
| <b>M</b>  |             |             |             |             |             |  |
| D         |             |             |             |             |             |  |
| 4.0       | ETRGA4014MP | ETRGA4024MP | ETRGA4034MP | ETRGA4044MP | ETRGA4054MP |  |
| 5.5       | ETRGA4015MP | ETRGA4025MP | ETRGA4035MP | ETRGA4045MP | ETRGA4055MP |  |
| 7.0       | ETRGA4017MP | ETRGA4027MP | ETRGA4037MP | ETRGA4047MP | ETRGA4057MP |  |

| Mini Ø4.5 |             |             |             |             |             |  |
|-----------|-------------|-------------|-------------|-------------|-------------|--|
| H         | 1.0         | 2.0         | 3.0         | 4.0         | 5.0         |  |
| <b>M</b>  |             |             |             |             |             |  |
| D         |             |             |             |             |             |  |
| 4.0       | ETRGA4514MP | ETRGA4524MP | ETRGA4534MP | ETRGA4544MP | ETRGA4554MP |  |
| 5.5       | ETRGA4515MP | ETRGA4525MP | ETRGA4535MP | ETRGA4545MP | ETRGA4555MP |  |
| 7.0       | ETRGA4517MP | ETRGA4527MP | ETRGA4537MP | ETRGA4547MP | ETRGA4557MP |  |






# Rigid Abutment






| Regular Ø4.0 |   |   |   |   |   |
|--------------|---|---|---|---|---|
| H            | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
| <b>R</b>     |  |  |  |  |  |
| D            |   |   |   |   |   |
| 4.0          | ETRGA4014SP   | ETRGA4024SP   | ETRGA4034SP   | ETRGA4044SP   | ETRGA4054SP   |
| 5.5          | ETRGA4015SP   | ETRGA4025SP   | ETRGA4035SP   | ETRGA4045SP   | ETRGA4055SP   |
| 7.0          | ETRGA4017SP   | ETRGA4027SP   | ETRGA4037SP   | ETRGA4047SP   | ETRGA4057SP   |

| Regular Ø4.5 |   |   |   |   |   |
|--------------|---|---|---|---|---|
| H            | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
| <b>R</b>     |  |  |  |  |  |
| D            |   |   |   |   |   |
| 4.0          | ETRGA4514SP   | ETRGA4524SP   | ETRGA4534SP   | ETRGA4544SP   | ETRGA4554SP   |
| 5.5          | ETRGA4515SP   | ETRGA4525SP   | ETRGA4535SP   | ETRGA4545SP   | ETRGA4555SP   |
| 7.0          | ETRGA4517SP   | ETRGA4527SP   | ETRGA4537SP   | ETRGA4547SP   | ETRGA4557SP   |






| Regular Ø5.0 |   |   |   |   |   |
|--------------|---|---|---|---|---|
| H            | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |
| <b>R</b>     |  |  |  |  |  |
| D            |   |   |   |   |   |
| 4.0          | ETRGA5014SP   | ETRGA5024SP   | ETRGA5034SP   | ETRGA5044SP   | ETRGA5054SP   |
| 5.5          | ETRGA5015SP   | ETRGA5025SP   | ETRGA5035SP   | ETRGA5045SP   | ETRGA5055SP   |
| 7.0          | ETRGA5017SP   | ETRGA5027SP   | ETRGA5037SP   | ETRGA5047SP   | ETRGA5057SP   |






# Rigid Abutment






| Regular Ø6.0  |   |   |   |   |   |             |
|---------------|---|---|---|---|---|-------------|
| H             | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   |             |
| <b>R</b><br>D |  |  |  |  |  |             |
|               | 4.0   | ETRGA6014SP   | ETRGA6024SP   | ETRGA6034SP   | ETRGA6044SP   | ETRGA6054SP |
| 5.5           | ETRGA6015SP   | ETRGA6025SP   | ETRGA6035SP   | ETRGA6045SP   | ETRGA6055SP   |             |
| 7.0           | ETRGA6017SP   | ETRGA6027SP   | ETRGA6037SP   | ETRGA6047SP   | ETRGA6057SP   |             |





| Regular Ø7.0  |  |  |  |  |  |             |
|---------------|--|--|--|--|--|-------------|
| G/H           | 1.0  | 2.0  | 3.0  | 4.0  | 5.0  |             |
| <b>R</b><br>H |  |  |  |  |  |             |
|               | 5.5  | ETRGA7015SP  | ETRGA7025SP  | ETRGA7035SP  | ETRGA7045SP  | ETRGA7055SP |






# Rigid Abutment Components

| Rigid Protect Cap   |  |   |   |   |
|---|--|---|---|---|
| Description   | H  | 4.0   | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Protects the rigid abutment until applying the final prosthesis</li> <li>Can be used as the base for a provisional crown</li> <li>Available for transfer abutment (Ø4.0 excluded)</li> </ul> |  Mini<br> Regular<br>D |  |  |  |
|   | Ø4.0/Ø4.0  | ETRPC4004   | ETRPC4005   | ETRPC4007   |
|   | Ø4.5/Ø4.5  | ETRPC4504   | ETRPC4505   | ETRPC4507   |
|   | Ø5.0   | ETRPC5004S  | ETRPC5005S  | ETRPC5007S  |
|   | Ø6.0   | ETRPC6004S  | ETRPC6005S  | ETRPC6007S  |
|   | Ø7.0   | -   | ETRPC7005S  | -   |

| Rigid Retraction Cap  |   |   |   |   |
|---|---|---|---|---|
| Description   | H   | 4.0   | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Used for accurate margin reproduction when taking a direct impression</li> <li>Can be used as the base for a provisional crown</li> <li>Available for transfer abutment (Ø4.0 excluded)</li> </ul> |  Mini<br> Regular<br>D |  |  |  |
|   | Ø4.0/Ø4.0   | ETRRC440  | ETRRC460  | ETRRC470  |
|   | Ø4.5/Ø4.5   | ETRRC441  | ETRRC461  | ETRRC471  |
|   | Ø5.0  | ETRRC540  | ETRRC560  | ETRRC570  |
|   | Ø6.0  | ETRRC640  | ETRRC660  | ETRRC670  |
|   | Ø7.0  | -   | ETRRC760  | -   |

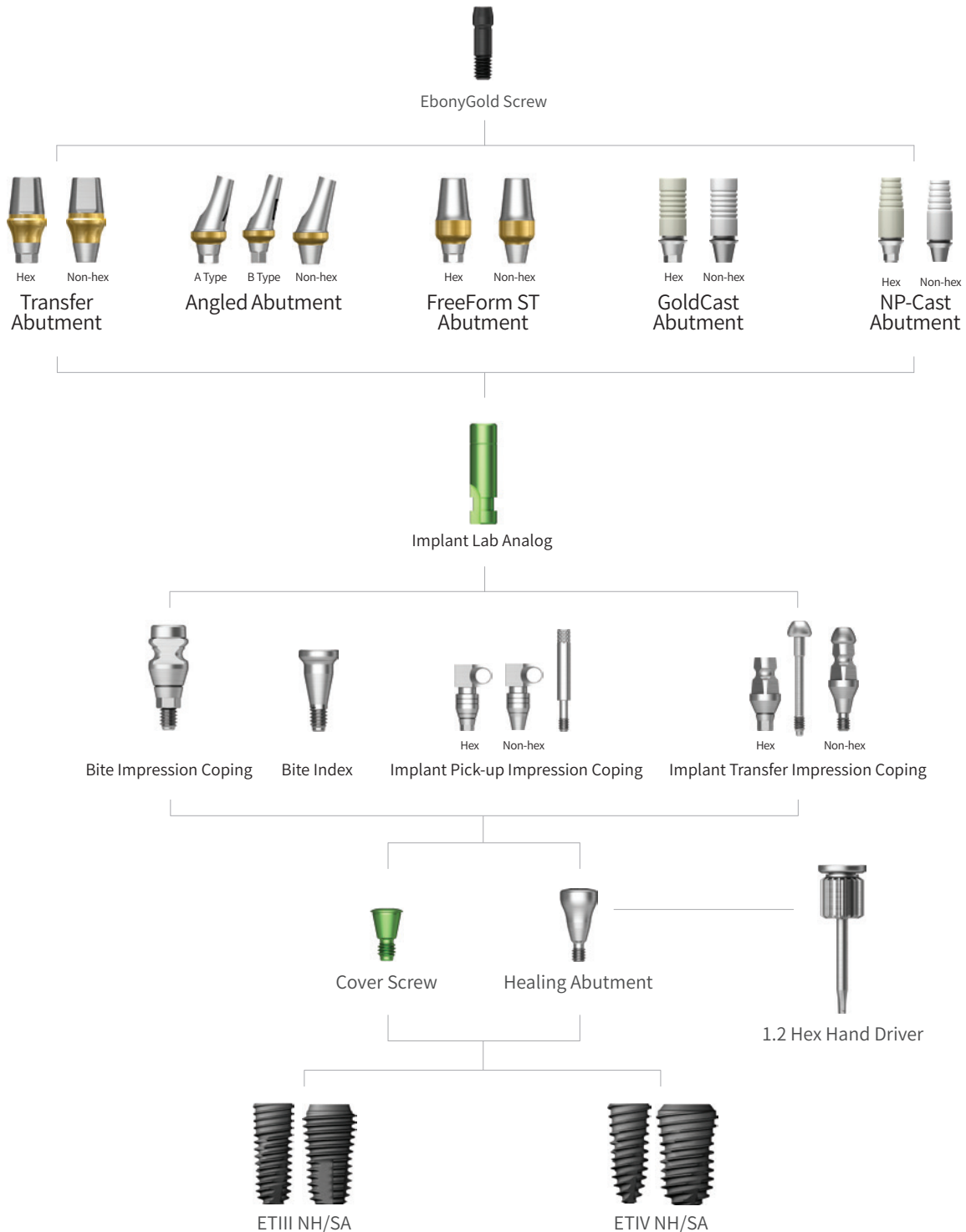
| Rigid Impression Coping  |  |   |   |   |
|--|--|---|---|---|
| Description  | H  | 4.0   | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Impression components for rigid abutment</li> <li>Color coded by height</li> <li>Available for transfer abutment (Ø4.0 excluded)</li> </ul> |  Mini<br> Regular<br>D |  |  |  |
|  | Ø4.0/Ø4.0  | ETRIC4004S  | ETRIC4005S  | ETRIC4007S  |
|  | Ø4.5/Ø4.5  | ETRIC4504S  | ETRIC4505S  | ETRIC4507S  |
|  | Ø5.0   | ETRIC5004S  | ETRIC5005S  | ETRIC5007S  |
|  | Ø6.0   | ETRIC6004S  | ETRIC6005S  | ETRIC6007S  |
|  | Ø7.0   | -   | ETRIC7005S  | -   |

| Rigid Burn-out Cylinder   |  |   |   |
|---|--|---|---|
| Description   | H  | Single  | Bridge  |
| <ul style="list-style-type: none"> <li>Replacement for resin cap before wax up</li> <li>Delivery of perfect margin with proper fitting after casting</li> </ul> |  Mini<br> Regular<br>D |  |  |
|   | Ø4.0/Ø4.0  | ETRBC40S  | ETRBC40B  |
|   | Ø4.5/Ø4.5  | ETRBC45S  | ETRBC45B  |
|   | Ø5.0   | ETRBC50S  | ETRBC50B  |
|   | Ø6.0   | ETRBC60S  | ETRBC60B  |
|   | Ø7.0   | ETRBC70S  | ETRBC70B  |

| Rigid Lab Analog  |   |  |  |  |
|---|---|--|--|--|
| Description   | H   | 4.0  | 5.5  | 7.0  |
| <ul style="list-style-type: none"> <li>Replicate of Rigid abutment for accurate orientation on model after impression</li> <li>Color coded by height</li> </ul> |  Mini<br> Regular<br>D |  |  |  |
|   | Ø4.0/Ø4.0   | ETRLA4004  | ETRLA4005  | ETRLA4007  |
|   | Ø4.5/Ø4.5   | ETRLA4504  | ETRLA4505  | ETRLA4507  |
|   | Ø5.0  | ETRLA5004S   | ETRLA5005S   | ETRLA5007S   |
|   | Ø6.0  | ETRLA6004S   | ETRLA6005S   | ETRLA6007S   |
|   | Ø7.0  | -  | ETRLA7005S   | -  |

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

Abutment Level Impression











# Transfer Abutment

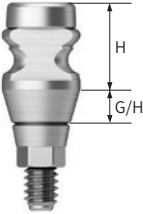






| Transfer Abutment  |  |
|--|--|
| Description  | Image/Guide  |
| <ul style="list-style-type: none"> <li>• Cement-retained/combination prosthesis</li> <li>• Implant level impression</li> <li>• Abutment level impression is available using the rigid impression coping (Ø4.0 excluded)</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended tightening torque:               <ul style="list-style-type: none"> <li>- Mini: 20Ncm</li> <li>- Regular: 30Ncm</li> </ul> </li> <li>• Packing unit: Abutment + EbonyGold Screw</li> </ul> | <p>Diagram illustrating the Transfer Abutment and its associated EbonyGold screw. The abutment is shown with dimensions: D (diameter), H (height), and G/H (height from implant level). The EbonyGold screw is shown with Mini and Regular variants.</p> |





| Mini Ø4.0 |     |             |             |             |             |             |             |             |
|-----------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| G/H       | 1.0 | 2.0         | 3.0         | 4.0         | 5.0         | 6.0         | 7.0         |             |
| <b>M</b>  |     |             |             |             |             |             |             |             |
| <b>H</b>  |     |             |             |             |             |             |             |             |
| Hex       | 5.5 | ETTA4015MHW | ETTA4025MHW | ETTA4035MHW | ETTA4045MHW | ETTA4055MHW | ETTA4065MHW | ETTA4075MHW |
|           | 7.0 | ETTA4017MHW | ETTA4027MHW | ETTA4037MHW | ETTA4047MHW | ETTA4057MHW | ETTA4067MHW | ETTA4077MHW |
| Non-Hex   | 5.5 | ETTA4015MNW | ETTA4025MNW | ETTA4035MNW | ETTA4045MNW | ETTA4055MNW | ETTA4065MNW | ETTA4075MNW |
|           | 7.0 | ETTA4017MNW | ETTA4027MNW | ETTA4037MNW | ETTA4047MNW | ETTA4057MNW | ETTA4067MNW | ETTA4077MNW |
| Mini Ø4.5 |     |             |             |             |             |             |             |             |
| Hex       | 5.5 | ETTA4515MHW | ETTA4525MHW | ETTA4535MHW | ETTA4545MHW | ETTA4555MHW | ETTA4565MHW | ETTA4575MHW |
|           | 7.0 | ETTA4517MHW | ETTA4527MHW | ETTA4537MHW | ETTA4547MHW | ETTA4557MHW | ETTA4567MHW | ETTA4577MHW |
| Non-Hex   | 5.5 | ETTA4515MNW | ETTA4525MNW | ETTA4535MNW | ETTA4545MNW | ETTA4555MNW | ETTA4565MNW | ETTA4575MNW |
|           | 7.0 | ETTA4517MNW | ETTA4527MNW | ETTA4537MNW | ETTA4547MNW | ETTA4557MNW | ETTA4567MNW | ETTA4577MNW |








# Transfer Abutment

| Regular Ø4.5  |         |   |   |   |   |   |   |   |             |
|---|---------|---|---|---|---|---|---|---|-------------|
| G/H   |         | 1.0   | 2.0   | 3.0   | 4.0   | 5.0   | 6.0   | 7.0   |             |
| <br><b>R</b><br><br><b>H</b> |         |  |  |  |  |  |  |  |             |
|   | Hex     | 5.5   | ETTA4515SHW   | ETTA4525SHW   | ETTA4535SHW   | ETTA4545SHW   | ETTA4555SHW   | ETTA4565SHW   | ETTA4575SHW |
|   | Hex     | 7.0   | ETTA4517SHW   | ETTA4527SHW   | ETTA4537SHW   | ETTA4547SHW   | ETTA4557SHW   | ETTA4567SHW   | ETTA4577SHW |
|   | Non-Hex | 5.5   | ETTA4515SNW   | ETTA4525SNW   | ETTA4535SNW   | ETTA4545SNW   | ETTA4555SNW   | ETTA4565SNW   | ETTA4575SNW |
|   | Non-Hex | 7.0   | ETTA4517SNW   | ETTA4527SNW   | ETTA4537SNW   | ETTA4547SNW   | ETTA4557SNW   | ETTA4567SNW   | ETTA4577SNW |
| Regular Ø5.0  |         |   |   |   |   |   |   |   |             |
|   | Hex     | 4.0   | ETTA5014SHW   | ETTA5024SHW   | ETTA5034SHW   | ETTA5044SHW   | ETTA5054SHW   | ETTA5064SHW   | ETTA5074SHW |
|   | Hex     | 5.5   | ETTA5015SHW   | ETTA5025SHW   | ETTA5035SHW   | ETTA5045SHW   | ETTA5055SHW   | ETTA5065SHW   | ETTA5075SHW |
|   | Hex     | 7.0   | ETTA5017SHW   | ETTA5027SHW   | ETTA5037SHW   | ETTA5047SHW   | ETTA5057SHW   | ETTA5067SHW   | ETTA5077SHW |
|   | Non-Hex | 4.0   | ETTA5014SNW   | ETTA5024SNW   | ETTA5034SNW   | ETTA5044SNW   | ETTA5054SNW   | ETTA5064SNW   | ETTA5074SNW |
|   | Non-Hex | 5.5   | ETTA5015SNW   | ETTA5025SNW   | ETTA5035SNW   | ETTA5045SNW   | ETTA5055SNW   | ETTA5065SNW   | ETTA5075SNW |
|   | Non-Hex | 7.0   | ETTA5017SNW   | ETTA5027SNW   | ETTA5037SNW   | ETTA5047SNW   | ETTA5057SNW   | ETTA5067SNW   | ETTA5077SNW |
| Regular Ø6.0  |         |   |   |   |   |   |   |   |             |
|   | Hex     | 4.0   | ETTA6014SHW   | ETTA6024SHW   | ETTA6034SHW   | ETTA6044SHW   | ETTA6054SHW   | ETTA6064SHW   | ETTA6074SHW |
|   | Hex     | 5.5   | ETTA6015SHW   | ETTA6025SHW   | ETTA6035SHW   | ETTA6045SHW   | ETTA6055SHW   | ETTA6065SHW   | ETTA6075SHW |
|   | Hex     | 7.0   | ETTA6017SHW   | ETTA6027SHW   | ETTA6037SHW   | ETTA6047SHW   | ETTA6057SHW   | ETTA6067SHW   | ETTA6077SHW |
|   | Non-Hex | 4.0   | ETTA6014SNW   | ETTA6024SNW   | ETTA6034SNW   | ETTA6044SNW   | ETTA6054SNW   | ETTA6064SNW   | ETTA6074SNW |
|   | Non-Hex | 5.5   | ETTA6015SNW   | ETTA6025SNW   | ETTA6035SNW   | ETTA6045SNW   | ETTA6055SNW   | ETTA6065SNW   | ETTA6075SNW |
|   | Non-Hex | 7.0   | ETTA6017SNW   | ETTA6027SNW   | ETTA6037SNW   | ETTA6047SNW   | ETTA6057SNW   | ETTA6067SNW   | ETTA6077SNW |
| Regular Ø7.0  |         |   |   |   |   |   |   |   |             |
|   | Hex     | 5.5   | ETTA7015SHW   | ETTA7025SHW   | ETTA7035SHW   | ETTA7045SHW   | ETTA7055SHW   | ETTA7065SHW   | ETTA7075SHW |
|   | Non-Hex | 5.5   | ETTA7015SNW   | ETTA7025SNW   | ETTA7035SNW   | ETTA7045SNW   | ETTA7055SNW   | ETTA7065SNW   | ETTA7075SNW |

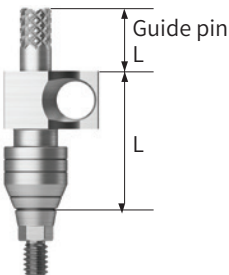
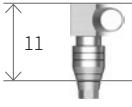





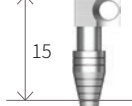




# Transfer Abutment Components

| Bite Impression Coping   |   |   |  |   |   |             |  |
|--|---|---|--|---|---|-------------|--|
| Description  | G/H   | 2.0   | 3.0  | 4.0   | 5.0   |             |  |
| <ul style="list-style-type: none"> <li>Designed for implant level impression</li> <li>2-in-1 tool for bite registration and taking impression</li> <li>Utilizes same impression-taking technique when using Transfer Impression Coping</li> <li>Torque with Bite Impression Coping Driver (Mini: ETOICDM, Regular: ETOICDR)</li> </ul>  |   |  |  |  |  |             |  |
|  |   | H   |  |   |   |             |  |
|  | Ø4.0  | 5.0   | ETBICM4420H  | ETBICM4430H   | ETBICM4440H   | ETBICM4450H |  |
|  |   | 7.0   | ETBICM4620H  | ETBICM4630H   | ETBICM4640H   | ETBICM4650H |  |
|  | Ø4.5  | 5.0   | ETBICM4421H  | ETBICM4431H   | ETBICM4441H   | ETBICM4451H |  |
|  |   | 7.0   | ETBICM4621H  | ETBICM4631H   | ETBICM4641H   | ETBICM4651H |  |
|  | Ø4.5  | 5.0   | ETBICR4421H  | ETBICR4431H   | ETBICR4441H   | ETBICR4451H |  |
|  |   | 7.0   | ETBICR4621H  | ETBICR4631H   | ETBICR4641H   | ETBICR4651H |  |
|  | Ø5.0  | 5.0   | ETBICR5420H  | ETBICR5430H   | ETBICR5440H   | ETBICR5450H |  |
|  |   | 7.0   | ETBICR5620H  | ETBICR5630  | ETBICR5640H   | ETBICR5650H |  |

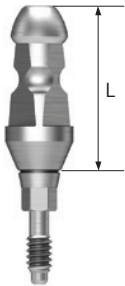






| Bite Impression Coping Driver   |   |   |   |
|---|---|---|---|
| Description   | Type  | Mini  | Regular   |
| <ul style="list-style-type: none"> <li>Used for tightening and removing Bite Impression Coping</li> </ul> |  Mini<br> Regular |  |  |
|   |   | ETOICDM   | ETOICDR   |



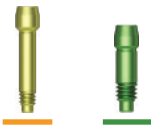

| Bite Index   |   |   |   |   |   |   |            |
|--|---|---|---|---|---|---|------------|
| Description  | L   | 4.0   | 6.0   | 8.0   | 10.0  | 12.0  |            |
| <ul style="list-style-type: none"> <li>Connected to the implant to check for bite impression</li> <li>Tighten with 1.2 Hex Hand Driver</li> <li>Packing unit: 2ea</li> </ul> |   |  |  |  |  |  |            |
|  |   | Ø4.5  | ETBIM4504S  | ETBIM4506S  | ETBIM4508S  | ETBIM4510S  | ETBIM4512S |
|  |   | Ø5.5  | ETBIS5504S  | ETBIS5506S  | ETBIS5508S  | ETBIS5510S  | ETBIS5512S |






# Transfer Abutment Components

| Implant Pick-up Impression Coping  |   |   |   |   |   |   |
|--|---|---|---|---|---|---|
| Description  | L   | 11  |   | 0   | 5.0   | 9.0   |
|  | Type  | Hex   | Non-Hex   | Guide Pin   |   |   |
| <ul style="list-style-type: none"> <li>• Components for Implant level impression with Open tray</li> <li>• Delivery of accurate internal hex position in the impression material</li> <li>• Tighten with a 1.2 hex hand driver</li> <li>• Packing unit: impression coping body + guide pin (*)</li> </ul>  |    |    |      |    |    |  |
|  |   | 11  |   |   |   |   |
|  | Ø4.0  | ETFPI4011MH   | ETFPI4011MN   | ETFPG00M  | ETFPG05M*   | ETFPG05ML*  |
|  | Ø4.5  | ETFPI4511MH   | ETFPI4511MN   |   |   |   |
|  | Ø4.0  | ETFPI4011SH   | ETFPI4011SN   | ETFPG00S  | ETFPG05S*   | ETFPG05SL   |
|  | Ø4.5  | ETFPI4511SH   | ETFPI4511SN   |   |   |   |
|  | Ø5.0  | ETFPI5011SH   | ETFPI5011SN   |   |   |   |
|  | Ø6.0  | ETFPI6011SH   | ETFPI6011SN   |   |   |   |
|  | Ø7.0  | ETFPI7011SH   | ETFPI7011SN   |   |   |   |
|  | L   | 15  |   | 0   | 5.0   | 9.0   |
| Type   | Hex   | Non-Hex   | Guide Pin   |   |   |   |
|   |  |  |  |  |  |   |
|  |   |   | 15  |   |   |   |
|  | Ø4.0  | ETFPI4015MH   | ETFPI4015MN   | ETFPG00ML   | ETFPG05ML*  | ETFPG10ML*  |
|  | Ø4.5  | ETFPI4515MH   | ETFPI4515MN   |   |   |   |
|  | Ø4.0  | ETFPI4015SH   | ETFPI4015SN   | ETFPG00SL   | ETFPG05SL*  | ETFPG10SL   |
|  | Ø4.5  | ETFPI4515SH   | ETFPI4515SN   |   |   |   |
|  | Ø5.0  | ETFPI5015SH   | ETFPI5015SN   |   |   |   |
|  | Ø6.0  | ETFPI6015SH   | ETFPI6015SN   |   |   |   |
|  | Ø7.0  | ETFPI7015SH   | ETFPI7015SN   |   |   |   |

# Transfer Abutment Components

| Implant Transfer Impression Coping  |  |   |  |   |   |             |
|---|--|---|--|---|---|-------------|
| Description   | L  | 11  |  | 14  |   |             |
|   | Type   | Hex   | Non-Hex  | Hex   | Non-Hex   |             |
| <ul style="list-style-type: none"> <li>Components for implant level impression</li> <li>Closed Tray impression</li> <li>Features a triangular arc structure for precise repositioning</li> <li>Tighten with 1.2 Hex Hand Driver</li> <li>Packing unit:                             <ul style="list-style-type: none"> <li>- Hex: Impression coping body + guide pin</li> <li>- Non-Hex: Impression coping body</li> </ul> </li> </ul>  | <br> |  |  |  |  |             |
|   |  | Ø4.0  | ETFTI4011MH  | ETFTI4011MN   | ETFTI4014MH   | ETFTI4014MN |
|   |  | Ø4.5  | ETFTI4511MH  | ETFTI4511MN   | ETFTI4514MH   | ETFTI4514MN |
|   |  | Ø4.0  | ETFTI4011SH  | ETFTI4011SN   | ETFTI4014SH   | ETFTI4014SN |
|   |  | Ø4.5  | ETFTI4511SH  | ETFTI4511SN   | ETFTI4514SH   | ETFTI4514SN |
|   |  | Ø5.0  | ETFTI5011SH  | ETFTI5011SN   | ETFTI5014SH   | ETFTI5014SN |
|   |  | Ø6.0  | ETFTI6011SH  | ETFTI6011SN   | ETFTI6014SH   | ETFTI6014SN |
|   |  | Ø7.0  | ETFTI7011SH  | ETFTI7011SN   | ETFTI7014S  | ETFTI7014SN |

| Laboratory Screw   |  |  |   |         |
|--|--|--|---|---------|
| Description  | Type   | Lab Screw  | Waxing Screw  |         |
| <ul style="list-style-type: none"> <li>Lab screw: abutment screw for lab work</li> <li>Waxing screw: longer screw for making screw-type prosthesis and transfer jigs</li> <li>Packing unit: lab screw, waxing screw</li> </ul> | <br> |  |  |         |
|  |  | Mini   | ETABSML   | ETABSMW |
|  |  | Regular  | ETABSSL   | ETABSSW |

| Implant Lab Analog  |  |   |   |   |
|---|--|---|---|---|
| Description   |  | Ø3.2  | Mini  | Regular   |
| <ul style="list-style-type: none"> <li>Lab analog for implant level impressions</li> <li>Select appropriate size according to the implant size</li> </ul> | <br> |  |  |  |
|   |  |   | ETFLAM3   | ETFLAM  |

# Angled Abutment

| Angled Abutment  |             |  |             |             |             |             |
|--|-------------|--|-------------|-------------|-------------|-------------|
| Description  |             | Image/Guide  |             |             |             |             |
| <ul style="list-style-type: none"> <li>Cement-retained/combination prosthesis</li> <li>Abutment designed to compensate up to 23° without removal</li> <li>Suitable for implant level impression</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque:                             <ul style="list-style-type: none"> <li>Mini: 20Ncm</li> <li>Regular: 30Ncm</li> </ul> </li> <li>Packing unit: Abutment + EbonyGold Screw</li> </ul> |             | <p>Implant level</p> <p>17°</p> <p>D</p> <p>8</p> <p>G/H</p> <p>30°</p> <p>A type    B type    Non-hex</p> <p>Mini    ETABSM<br/>Regular    ETABSS</p> |             |             |             |             |
| G/H  | 2.0         |  |             | 4.0         |             |             |
| Type   | Hex A       | Hex B  | Non-Hex     | Hex A       | Hex B       | Non-Hex     |
| <b>M</b> Mini<br><b>R</b> Regular  |             |  |             |             |             |             |
| Ø4.0   | ETAGA432MAW | ETAGA432MBW  | ETAGA432MNW | ETAGA434MAW | ETAGA434MBW | ETAGA434MNW |
| Ø4.5   | ETAGA452MAW | ETAGA452MBW  | ETAGA452MNW | ETAGA454MAW | ETAGA454MBW | ETAGA454MNW |
| Ø4.5   | ETAGA452SAW | ETAGA452SBW  | ETAGA452SNW | ETAGA454SAW | ETAGA454SBW | ETAGA454SNW |
| Ø5.0   | ETAGA552SAW | ETAGA552SBW  | ETAGA552SNW | ETAGA554SAW | ETAGA554SBW | ETAGA554SNW |
| Ø6.0   | ETAGA602SAW | ETAGA602SBW  | ETAGA602SNW | ETAGA604SAW | ETAGA604SBW | ETAGA604SNW |

# FreeForm ST Abutment

| FreeForm ST Abutment  |             |             |             |             |
|---|-------------|-------------|-------------|-------------|
| Description   |             |             | Image/Guide |             |
| <ul style="list-style-type: none"> <li>• Cement-retained/combination prosthesis</li> <li>• Utilized to modify contour of abutment margins</li> <li>• Suitable for implant level impression</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended tightening torque:               <ul style="list-style-type: none"> <li>- Mini: 20Ncm</li> <li>- Regular: 30Ncm</li> </ul> </li> <li>• Packing unit: Abutment + EbonyGold Screw</li> </ul> |             |             |             |             |
| G/H   |             | 1.5         |             | 3.0         |
| Type  | Hex         | Non-Hex     | Hex         | Non-Hex     |
| <b>M</b> Mini   |             |             |             |             |
| Ø4.0  | ETFSA401MHW | ETFSA401MNW | ETFSA403MHW | ETFSA403MNW |
| G/H   |             | 2.0         |             | 4.0         |
| Type  | Hex A       | Non-Hex     | Hex A       | Non-Hex     |
| <b>R</b> Regular  |             |             |             |             |
| Ø4.0  | ETFSA401SHW | ETFSA401SNW | ETFSA403SHW | ETFSA403SNW |
| Ø5.0  | ETFSA501SHW | ETFSA501SNW | ETFSA503SHW | ETFSA503SNW |
| Ø5.0 (Straight)   | ETFSA501SHW | ETFSA501SNW | ETFSA503SHW | ETFSA503SNW |
| Ø6.0  | ETFSA601SHW | ETFSA601SNW | ETFSA603SHW | ETFSA603SNW |
| Ø7.0  | ETFSA701SHW | ETFSA701SNW | ETFSA703SHW | ETFSA703SNW |

# GoldCast Abutment

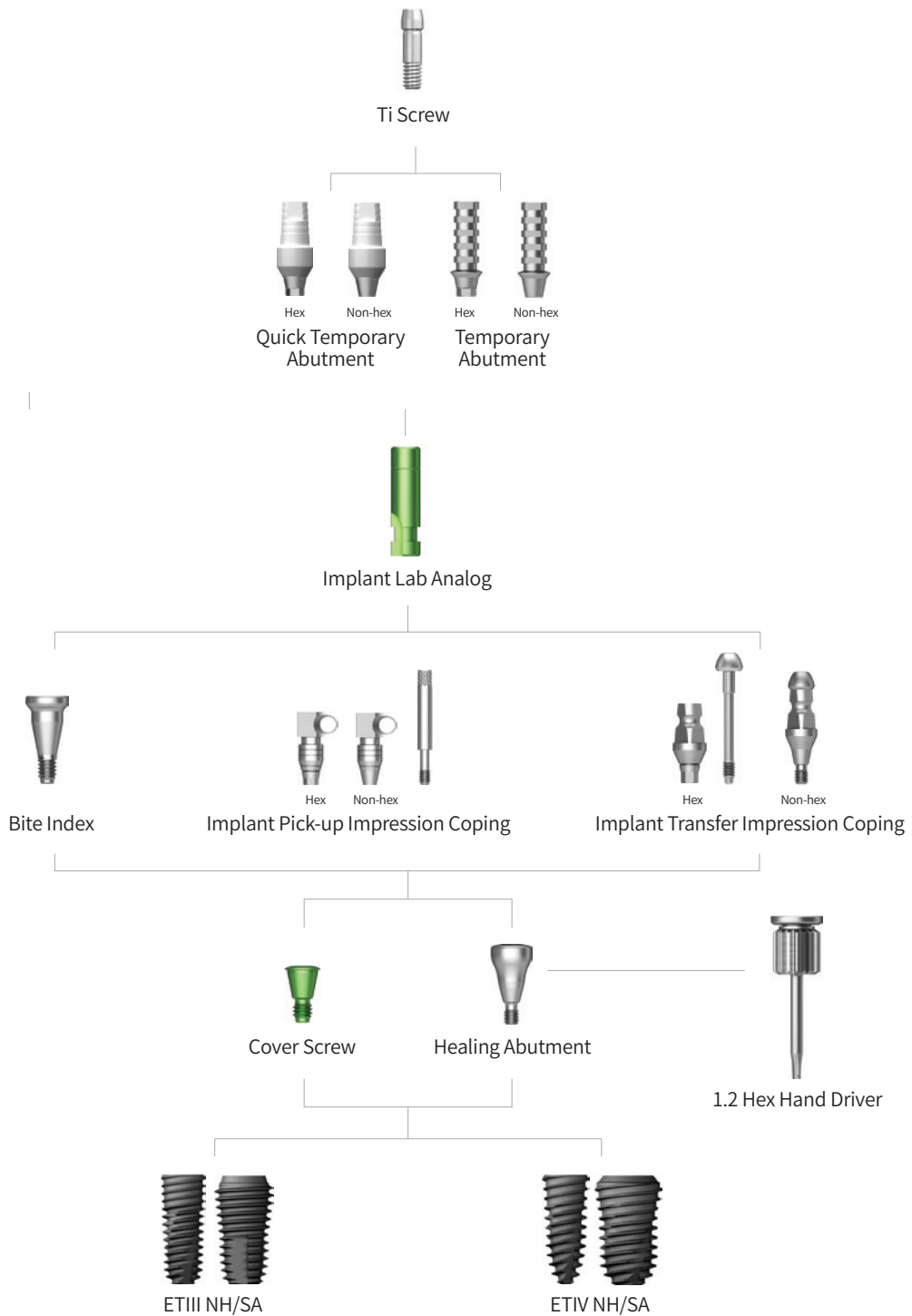
| GoldCast Abutment   |             |             |   |             |
|---|-------------|-------------|---|-------------|
| Description   |             |             | Image/Guide   |             |
| <ul style="list-style-type: none"> <li>• Cement-retained/combination prosthesis</li> <li>• Abutment used to produce customized prosthesis through gold alloy casting</li> <li>• Melting temperature of abutment: 1,400 ~1,450°C (2,552~2,822°F)</li> <li>• Suitable for implant level impression</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended tightening torque:               <ul style="list-style-type: none"> <li>- Mini: 20Ncm</li> <li>- Regular: 30Ncm</li> </ul> </li> <li>• Packing Unit: Abutment + EbonyGold Screw</li> </ul> |             |             | <p>The diagram shows a GoldCast Abutment with a diameter 'D' and a height of '10'. It is shown in relation to an 'Implant level'. To the right, an 'EbonyGold screw' is shown with 'Mini' and 'Regular' variants, corresponding to part numbers 'ETABSM' and 'ETABSS' respectively.</p> |             |
| G/H   | 1.0         |             | 3.0   |             |
| Type  | Hex         | Non-Hex     | Hex   | Non-Hex     |
| Mini<br>Regular   |             |             |   |             |
| Ø4.0  | ETGCA401MHW | ETGCA401MNW | ETGCA403MHW   | ETGCA403MNW |
| Ø4.5  | ETGCA451SHW | ETGCA451SNW | ETGCA453SHW   | ETGCA453SNW |

# NP-Cast Abutment










| NP-Cast Abutment  |             |             |             |             |
|---|-------------|-------------|-------------|-------------|
| Description   |             |             | Image/Guide |             |
| <ul style="list-style-type: none"> <li>• Cement-retained/combination prosthesis</li> <li>• Abutment used to produce customized prosthesis through non-precious alloy</li> <li>• Melting temperature of abutment: 1,400 ~1,450°C (2,552~2,822°F)</li> <li>• Suitable for implant level impression</li> <li>• Torque using 1.2 Hex Driver</li> <li>• Recommended tightening torque:               <ul style="list-style-type: none"> <li>- Mini: 20Ncm</li> <li>- Regular: 30Ncm</li> </ul> </li> <li>• Packing Unit: Abutment + EbonyGold Screw</li> </ul> |             |             |             |             |
| G/H   | 1.0         |             | 3.0         |             |
| Type  | Hex         | Non-Hex     | Hex         | Non-Hex     |
| <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: center;"> <span style="background-color: #f4a460; color: white; padding: 2px 5px; border-radius: 50%; font-weight: bold; margin-right: 5px;">M</span> <span>Mini</span> </div> <div style="display: flex; align-items: center;"> <span style="background-color: #2e8b57; color: white; padding: 2px 5px; border-radius: 50%; font-weight: bold; margin-right: 5px;">R</span> <span>Regular</span> </div> </div>                                    |             |             |             |             |
| Ø4.0  | ETNCA401MHW | ETNCA401MNW | ETNCA403MHW | ETNCA403MNW |
| Ø4.5  | ETNCA451SHW | ETNCA451SNW | ETNCA453SHW | ETNCA453SNW |

# Temporary/Quick Temporary








Abutment Level Impression



# Quick Temporary Abutment

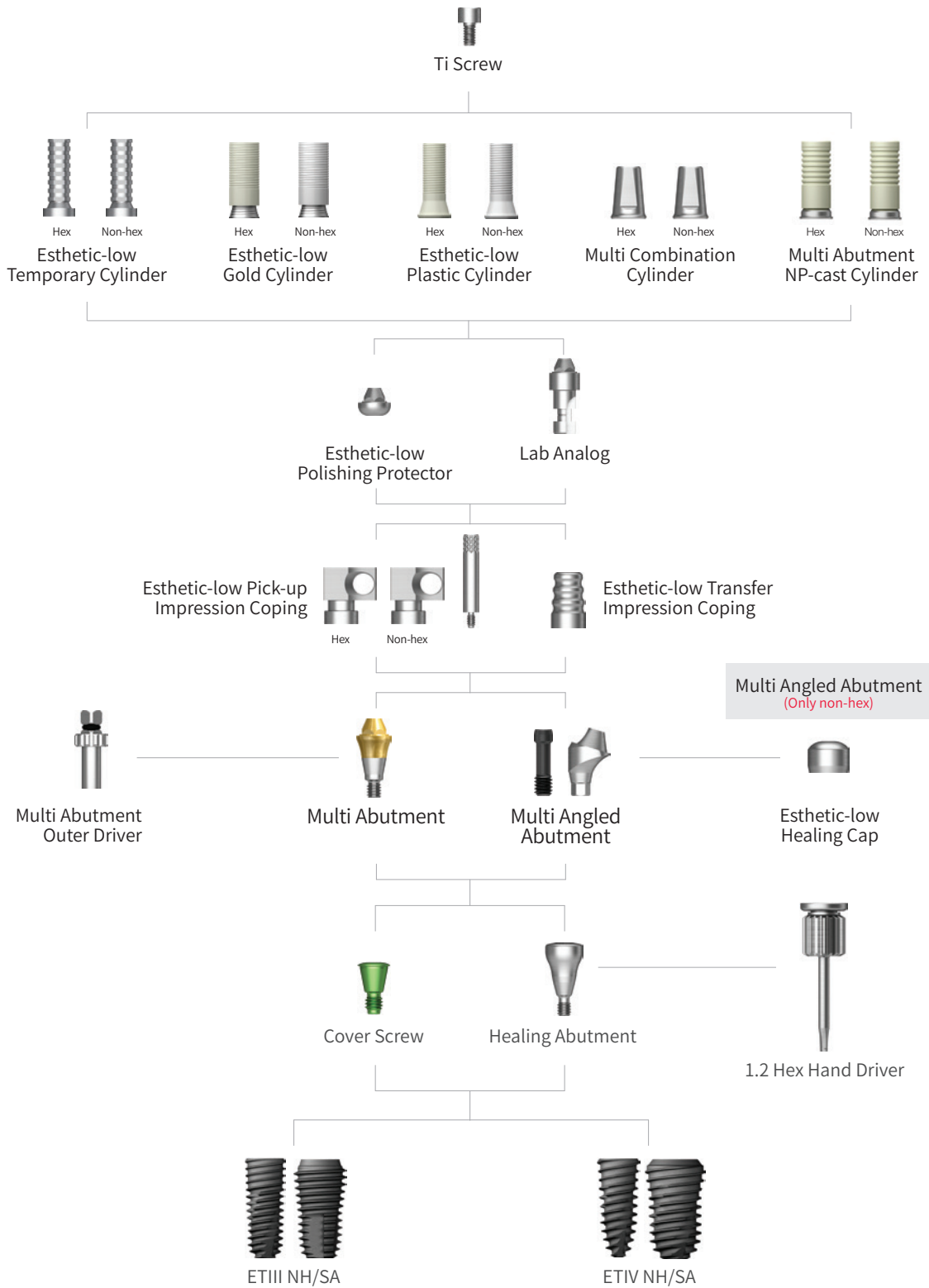
| Quick Temporary Abutment   |   |  |   |
|--|---|--|---|
| Description  | G/H   | 1.5  |   |
|  | Type  | Hex  | Non-Hex   |
| <ul style="list-style-type: none"> <li>Cement/screw-retained type prosthesis</li> <li>A provisional prosthesis used for immediate loading</li> <li>Easy to prep or add resin</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 20Ncm(mini/regular)</li> <li>Packing unit: Abutment + Ti screw</li> </ul>  <p>Ti screw<br/>Mini ETABSMT<br/>Regular ETABSST</p> |  Mini<br> Regular |  |  |
|  | Ø4.0  | ETQTA401MHT  | ETQTA401MNT   |
|  | Ø4.5  | ETQTA451RHT  | ETQTA451RNT   |
|  | G/H   | 5.0  |   |
|  | Type  | Hex  | Non-Hex   |
|  |  Mini<br> Regular |  |  |
|  | Ø4.0  | ETQTA405MHT  | ETQTA405MNT   |
|  | Ø4.5  | ETQTA455MHT  | ETQTA455MNT   |
|  | Ø4.5  | ETQTA455RHT  | ETQTA455RNT   |
|  | Ø5.5  | ETQTA555RHT  | ETQTA555RNT   |

# Temporary Abutment

| Temporary Abutment   |   |   |  |   |   |
|--|---|---|--|---|---|
| Description  | G/H   | 1.0   |  | 3.0   |   |
|  | Type  | Hex   | Non-Hex  | Hex   | Non-Hex   |
| <ul style="list-style-type: none"> <li>Cement/screw-retained temporary prosthesis</li> <li>Utilized for producing temporary prosthesis after prep</li> <li>Implant level impression</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm (Mini + Regular)</li> <li>Packing unit: Abutment + Ti screw</li> </ul>  <p>Ti screw<br/>Mini ETABSMT<br/>Regular ETABSST</p> |  Mini<br> Regular |  |  |  |  |
|  | Ø4.0  | ETTPA401MHT   | ETTPA401MNT  | ETTPA403MHT   | ETTPA403MNT   |
|  | Ø4.5  | ETTPA451SHT   | ETTPA451SNT  | ETTPA453SHT   | ETTPA453SNT   |

# Multi/Multi Angled

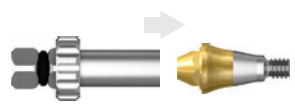
Abutment Level Impression




# Multi Abutment



| Multi Abutment  |           |           |           |             |           |  |
|---|-----------|-----------|-----------|-------------|-----------|--|
| Description   |           |           |           | Image/Guide |           |  |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Abutment designed for multiple prosthetic options</li> <li>Shares the same platform as the Multi Angled Abutment</li> <li>Restorative components: Esthetic-Low Cylinders (Hex/Non-Hex)</li> <li>Torque using Multi Abutment Outer Driver Pin-Type (MAODP)</li> <li>Rescue using Multi Abutment Outer Driver (HMAOD)</li> <li>Recommended tightening torque: 30Ncm (Mini + Regular)</li> <li>Packing unit: Abutment + Carrier</li> </ul> |           |           |           |             |           |  |
| G/H   | 1.0       | 2.0       | 3.0       | 4.0         | 5.0       |  |
| <b>M</b> Mini<br><b>R</b> Regular   |           |           |           |             |           |  |
| Ø4.8  | ETMTA501M | ETMTA502M | ETMTA503M | ETMTA504M   | ETMTA505M |  |
| Ø4.8  | ETMTA501R | ETMTA502R | ETMTA503R | ETMTA504R   | ETMTA505R |  |




# Multi Abutment Components




| Multi Abutment Outer Driver   |           |   |
|---|-----------|---|
| Description   | Item code | Image   |
| <ul style="list-style-type: none"> <li>Multi Abutment Torque Driver</li> <li>Pin Type: for all standard cases</li> <li>Rescue Type: for cases with broken abutment screw</li> </ul> | MAODP     |  |

| Multi Abutment Machine Driver   |           |   |
|---|-----------|---|
| Description   | Item code | Image   |
| <ul style="list-style-type: none"> <li>Machine driver for multi abutment</li> </ul> | HMAMD     |  |




| Multi Combination Cylinder  |  |   |   |
|---|--|---|---|
| Description   |  | Hex   | Non-Hex   |
| <ul style="list-style-type: none"> <li>Component for Multi Abutment</li> <li>Used for producing combination prosthesis</li> <li>Non-Hex can be utilized for Multi Angled Abutment</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: Cylinder + Ti Cylinder Screw</li> </ul> |  |  |  |
|   |  | ETMC500TH   | ETMC500NTH  |



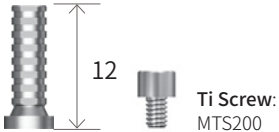
| Multi Abutment NP Cast Cylinder   |  |   |   |
|---|--|---|---|
| Description   |  | Hex   | Non-Hex   |
| <ul style="list-style-type: none"> <li>Component for Multi Abutment</li> <li>Used for producing combination prosthesis</li> <li>Non-Hex can be utilized for Multi Angled Abutment</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: Cylinder + Ti Cylinder Screw</li> </ul> |  |  |  |
|   |  | ETMNCA500TH   | ETMNCA500NTH  |





| Esthetic-low Gold Cylinder  |   |   |
|---|---|---|
| Description   | Type  | Non-Hex   |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Cast with gold alloys</li> <li>Cylinder melting point: 1,400°~1,450°C (2,552°F~2,642°F)</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: Cylinder + Ti Cylinder Screw</li> </ul> |  Mini<br> Regular |  |
|   | Ø4.8/Ø4.8   |   |




| Esthetic-low Plastic Cylinder  |   |   |
|--|---|---|
| Description  | Type  | Non-Hex   |
| <ul style="list-style-type: none"> <li>Cast with non-precious metal alloys</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: cylinder + Ti cylinder screw</li> </ul> |  Mini<br> Regular |  |
|  | Ø4.8/Ø4.8   |   |




# Multi Abutment Components




| Esthetic-low Healing Cap  |   |   |
|---|---|---|
| Description   | H   | 6.0   |
| <ul style="list-style-type: none"> <li>Protect Cap</li> <li>Tighten with 1.2 Hex Hand Driver</li> </ul> |  Mini<br> Regular |  |
|   | Ø4.8/Ø4.8   | MHCR100   |

| Esthetic-low Narrow Temporary Cylinder  |   |   |
|---|---|---|
| Description   | Type  | Non-Hex   |
| Narrow Type<br><ul style="list-style-type: none"> <li>Used in fabricating temporary prosthesis (Ti- Gr-3)</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: Cylinder + Ti cylinder screw</li> </ul> |  Mini<br> Regular | <br>12<br>Ti Screw: MTS200 |
|   | Ø4.8/Ø4.8   | NMTR100TH   |

| Esthetic-low Pick-up Impression Coping   |  |  |  |
|--|--|--|--|
| Description  | Type   | Non-Hex  | Guide Pin 15   |
| <ul style="list-style-type: none"> <li>Component for Multi Abutment</li> <li>Impression Coping for Esthetic-low Abutment</li> <li>Implant level impression</li> <li>Tighten with 1.2 Hex Hand Driver</li> <li>Packing unit: Impression coping body + Guide Pin(*)</li> </ul> ※ standard guide pin length |  Mini<br> Regular |  |  |
|  | Ø4.8/Ø4.8  | MSR100   | GP150*   |

| Esthetic-low Transfer Impression Coping  |   |   |
|--|---|---|
| Description  | H   | 8.0   |
| <ul style="list-style-type: none"> <li>Component for Multi Abutment</li> <li>Impression coping for Esthetic-low Abutment</li> <li>Attach with 1.2 Hex Hand Driver</li> </ul> |  Mini<br> Regular |  |
|  | Ø4.8/Ø4.8   | MTTR100   |

| Esthetic-low Lab Analog   |   |   |
|---|---|---|
| Description   |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Component for Multi Abutment</li> <li>Lab Analog for Esthetic-Low Abutment</li> <li>Attach with 1.2 Hex Hand Driver</li> </ul> |  Mini<br> Regular |  |
|   | Ø4.8/Ø4.8   | MERR300   |

| Esthetic-low Polishing Protector   |   |   |
|--|---|---|
| Description  |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Protecting GoldCast/Plastic Cylinder joints during the polishing process</li> <li>Tighten with 1.2 Hex Hand Driver</li> </ul> |  Mini<br> Regular |  |
|  | Ø4.8/Ø4.8   | MPCR100   |

# Multi Angled Abutment

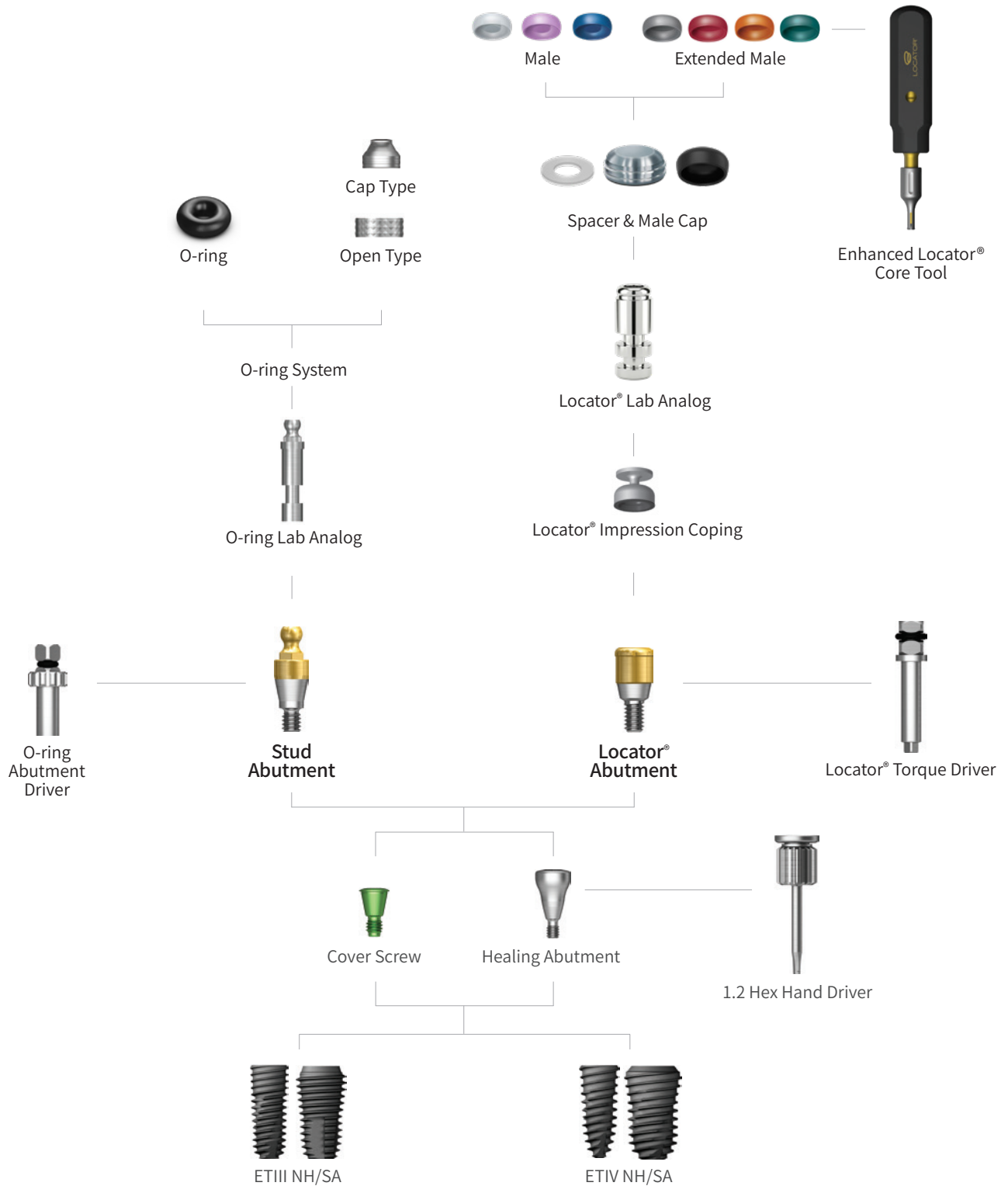
| Multi Angled Abutment  |            |            |            |             |            |            |            |
|--|------------|------------|------------|-------------|------------|------------|------------|
| Description  |            |            |            | Image/Guide |            |            |            |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Abutment designed for multiple prosthetic options</li> <li>Shares the same platform as the Multi Abutment</li> <li>Restorative components: Esthetic-Low Cylinders (Regular/Non-Hex)</li> <li>Has dedicated abutment screw (Mini: ETMABSM/Regular: ETMABSS)</li> <li>Torque using 1.2 Hex Hand Driver</li> <li>Recommended tightening torque:                             <ul style="list-style-type: none"> <li>Mini: 20Ncm</li> <li>Regular: 30Ncm</li> </ul> </li> <li>Packing unit: Abutment + EbonyGold Screw</li> </ul> |            |            |            |             |            |            |            |
| Angle  | 17°        |            |            |             | 30°        |            |            |
| G/H  | 2.5        | 3.0        | 4.0        | 5.0         | 3.5        | 4.0        | 5.0        |
| <b>M</b> Mini<br><b>R</b> Regular  |            |            |            |             |            |            |            |
| Ø4.8   | ETMA217MHW | ETMA317MHW | ETMA417MHW | -           | ETMA330MHW | ETMA430MHW | ETMA530MHW |
| Ø4.8   | ETMA217SHW | ETMA317SHW | ETMA417SHW | ETMA517SHW  | ETMA330SHW | ETMA430SHW | ETMA530SHW |

| Multi Ti-Base   |              |              |              |
|---|--------------|--------------|--------------|
| Description   |              | Image/Guide  |              |
| <ul style="list-style-type: none"> <li>Utilized for combination prosthesis for multiple prosthetics</li> <li>Can be used with Multi Scan Body and Digital Library</li> <li>Non-Hex type only</li> <li>Torque using 1.2 Hex Driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: Multi Ti-Base + Multi Ti-Base Screw</li> </ul> |              |              |              |
| Angle   | 5°           |              | 10°          |
| H   | 4            | 6            | 4            |
|   |              |              |              |
|   | TSMTB0405GTH | TSMTB0605GTH | TSMTB0410GTH |

| ET Multi Scan Body  |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>Used by attaching to ET Multi Abutment for intra oral scanning</li> <li>Non-Hex type</li> <li>Torque using 1.2 Hex Driver</li> </ul> |                 |
|   | TSMSBC          |

# Stud/Locator®

Overdenture



# Stud Abutment

| Stud Abutment  |           |           |           |             |           |           |
|--|-----------|-----------|-----------|-------------|-----------|-----------|
| Description  |           |           |           | Image/Guide |           |           |
| <ul style="list-style-type: none"> <li>Overdenture prosthesis with O-ring system</li> <li>Abutment designed to compensate up to 20°</li> <li>Torque using O-ring driver (code: HAORD)</li> <li>Recommended tightening torque: 30Ncm</li> <li>Ball head diameter                             <ul style="list-style-type: none"> <li>Normal size: <math>\varnothing 2.25</math> (H 3.4mm)</li> </ul> </li> </ul> |           |           |           |             |           |           |
| G/H  | 1.0       | 2.0       | 3.0       | 4.0         | 5.0       | 6.0       |
| <b>M</b> Mini<br><b>R</b> Regular<br>Normal size   |           |           |           |             |           |           |
| <b>Ø3.5</b>  | ETSAO351M | ETSAO352M | ETSAO353M | ETSAO354M   | ETSAO355M | ETSAO356M |
| <b>Ø3.5</b>  | ETSAO351S | ETSAO352S | ETSAO353S | ETSAO354S   | ETSAO355S | ETSAO356S |

## Components

| O-ring Retainer Cap Set   |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>O-ring housing</li> <li>Place an appropriate O-ring in the metal housing before connecting to the abutment</li> <li>Packing unit: Retainer cap + O-ring</li> </ul> |                 |
|   | ETRCS01         |

| O-ring Set   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>O-ring set</li> <li>Packing unit: O-ring x 5ea</li> </ul> |                 |
|  | ETOAON01        |

| O-ring Retainer Set   |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>O-ring housing</li> <li>Used when vertical height is shorter than the retainer cap</li> <li>Packing unit: Retainer + O-ring</li> </ul> |                 |
|   | ETRS01          |

| O-ring Lab Analog (Denture)  |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>Lab analog for stud abutment</li> </ul> |                 |
|  | ETOAL           |

# Locator® Legacy Abutment


| Locator® Legacy Abutment  |            |             |            |            |            |            |
|---|------------|-------------|------------|------------|------------|------------|
| Description   |            | Image/Guide |            |            |            |            |
| <ul style="list-style-type: none"> <li>Genuine Zest Dental Abutment</li> <li>1.5mm lower profile with various attachments for stable retention force</li> <li>Torque using a Locator Outer Driver (code: TWLDSK/TWLDLK)</li> <li>Recommended tightening torque: 30Ncm</li> </ul> <p><b>Locator Removable</b></p> <ul style="list-style-type: none"> <li>Angle compensation up to 40°</li> <li>Customizable overdenture retention</li> <li>Self-aligning design</li> </ul> <p><b>Locator Fixed</b></p> <ul style="list-style-type: none"> <li>Permanent prosthesis solution</li> <li>Minimize friction on gum</li> </ul> |            |             |            |            |            |            |
| G/H   | 1.0        | 2.0         | 3.0        | 4.0        | 5.0        | 6.0        |
| Mini<br>Regular   |            |             |            |            |            |            |
| Ø3.7  | HGLCA3510M | HGLCA3520M  | HGLCA3530M | HGLCA3540M | HGLCA3550M | HGLCA3560M |
| Ø3.7  | HGLCA4010S | HGLCA4020S  | HGLCA4030S | HGLCA4040S | HGLCA4050S | HGLCA4060S |


| Locator® Male Processing Kit  |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>Components               <ul style="list-style-type: none"> <li>- Block out spacer/denture cap, black processing male</li> <li>- Replacement male blue/pink/clear</li> </ul> </li> <li>A full range of retentive males are included with each denture cap to allow personalized retention for each specific patient</li> <li>Locator Core Tool places and removes nylon retentive males</li> <li>Packing unit: 2 sets</li> </ul> | <p>LMPS</p>     |


| Locator® Replacement Male   |  |            |             |             |
|---|--|------------|-------------|-------------|
| Description   |  | approx. 6N | approx. 12N | approx. 22N |
| <ul style="list-style-type: none"> <li>Angle compensation up to 20°</li> <li><b>Retention force:</b> approx. 6N, 12N, 22N</li> <li>Packing unit: 4ea</li> </ul> |  |            |             |             |
|   |  | LRM06S     | LRM12S      | LRM22S      |


| Locator® Extended Replacement Male   |            |            |            |             |
|--|------------|------------|------------|-------------|
| Description  | approx. 0N | approx. 6N | approx. 9N | approx. 12N |
| <ul style="list-style-type: none"> <li>Angle compensation up to 20°</li> <li><b>Retention force:</b> approx. 0N, 6N, 9N, 12N</li> <li>Packing unit: 4ea</li> </ul> |            |            |            |             |
|  |            | LEM00S     | LEM06S     | LRM09S      |


# Locator® Legacy Abutment Components



| Locator® Black Processing Male   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A nylon male used in prosthesis fabrication process</li> <li>• Packing unit: 4ea</li> </ul> |  |
|  | LBPS  |


| Locator® Impression Coping  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A pick up impression coping</li> <li>• Closed tray</li> <li>• Packing unit: 4ea</li> </ul> |  |
|   | LICS  |

| Locator® Block Out Spacers  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Block-out spacers used on the heads of the Locator abutments.</li> <li>• Seals gap between denture cap and abutment</li> <li>• Packing unit: 20ea</li> </ul> |  |
|   | LBSS  |

| Locator® Lab Analog  |        |        |   |
|--|--------|--------|---|
| Description  |        |        | Image/Item code   |
| <ul style="list-style-type: none"> <li>• A lab analog for Locator abutment</li> <li>• Packing unit: 4ea</li> </ul> |        |        |  |
| Ø3.35  | Ø4.0   | Ø5.0   |   |
| LAL30S   | LAL40S | LAL50S |   |




| Locator® Core Tool  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Places and removes nylon retentive males in the denture cap</li> <li>• Divides into three separate tools: includes a hand driver for Locator abutment</li> </ul> |  |
|   | LCCT  |




| Locator® Torque Driver  |   |   |
|---|---|---|
| Description   | Short   | Long  |
| <ul style="list-style-type: none"> <li>• Locator torque driver</li> </ul> |  |  |
|   | TWLDSK  | TWLDLK  |


| Locator® Scan Body |           |   |
|--------------------|-----------|---|
| Qty                | Item code | Image   |
| 2 Pack             | LOCSB2    |  |
| 4 Pack             | LOCSB4    |   |
| 10 Pack            | LOCSB10   |   |

# Locator® Legacy Abutment Components


| Enhanced Locator® Core Tool   |   |
|---|---|
| Description   | Image/item code                         |
| <ul style="list-style-type: none"> <li>One streamlined tool compatible with Locator® Removable and Locator® FIXED Inserts</li> <li>Two-sided instrument designed for easy insertion and removal of any Locator® Insert                             <ul style="list-style-type: none"> <li>Insertion Tip: Effortlessly pickup inserts for transfer and placement in housing</li> <li>Removal Tip: Place tip with closed prongs into insert, twist collet to open prongs, tilt core tool and easily remove and Locator® Insert</li> </ul> </li> </ul> | <p style="text-align: center;">LECT</p> |


| Locator® FIXED Inserts   |   |     |       |      |        |
|--|---|-----|-------|------|--------|
| Description  | Image/Item code   |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in 4 implant fixed, full-arch cases</li> <li><b>Cannot</b> be used with Locator® FIXED <b>Blue</b> or <b>Tan</b> inserts</li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul> |  <table border="1"> <tr> <td>2Pk</td> <td>LFGI2</td> </tr> <tr> <td>10Pk</td> <td>LFGI10</td> </tr> </table>   | 2Pk | LFGI2 | 10Pk | LFGI10 |
| 2Pk  | LFGI2   |     |       |      |        |
| 10Pk   | LFGI10  |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in combination with Locator® FIXED <b>Tan anterior / posterior insert</b></li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul>  |  <table border="1"> <tr> <td>2Pk</td> <td>LFBI2</td> </tr> <tr> <td>10Pk</td> <td>LFBI10</td> </tr> </table> | 2Pk | LFBI2 | 10Pk | LFBI10 |
| 2Pk  | LFBI2   |     |       |      |        |
| 10Pk   | LFBI10  |     |       |      |        |
| <p><b>Insert only</b></p> <ul style="list-style-type: none"> <li>Used in combination with Locator® FIXED <b>Blue mid-arch insert</b></li> <li>Must be used with <b>Gold</b> Locator® FIXED housing</li> <li>One time use only</li> </ul>   |  <table border="1"> <tr> <td>2Pk</td> <td>LF12</td> </tr> <tr> <td>10Pk</td> <td>LFT110</td> </tr> </table>  | 2Pk | LF12  | 10Pk | LFT110 |
| 2Pk  | LF12  |     |       |      |        |
| 10Pk   | LFT110  |     |       |      |        |


| Locator® FIXED Processing Package  |   |
|--|---|
| Description  | Image/Item code   |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Green</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul> |  <p style="text-align: center;">LFPG</p>   |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Blue</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul>  |  <p style="text-align: center;">LFPB</p> |
| <p><b>Contains</b></p> <ul style="list-style-type: none"> <li>1 Gold Locator® FIXED Denture Housing</li> <li>1 <b>Tan</b> Locator® FIXED Insert</li> <li>1 Locator® Processing Spacer</li> <li>1 Locator® Black Processing Insert</li> </ul>   |  <p style="text-align: center;">LFPT</p> |


| Locator® FIXED Housing Assembly  |   |     |       |      |        |
|--|---|-----|-------|------|--------|
| Description  | Image/Item code   |     |       |      |        |
| <ul style="list-style-type: none"> <li>Gold Housing for Locator® FIXED</li> <li>Backward compatible and can be used with Locator® standard and extended inserts</li> </ul> |  <table border="1"> <tr> <td>4Pk</td> <td>LFHA4</td> </tr> <tr> <td>10Pk</td> <td>LFHA10</td> </tr> </table> | 4Pk | LFHA4 | 10Pk | LFHA10 |
| 4Pk  | LFHA4   |     |       |      |        |
| 10Pk   | LFHA10  |     |       |      |        |


# Locator® Legacy Abutment Components


| Locator® Fixed Seating and Removal Tool   |  |
|---|--|
| Description   | Image/item code  |
| <ul style="list-style-type: none"> <li>• <b>Includes:</b> Tool, Seating Tip, Removal Tip, Wire and Level Wrench, and a Tip Wrench.</li> <li>• For seating and removing the prosthesis retained by the Locator® FIXED</li> </ul> |  |
|   | LFSRT  |


| Locator® FIXED Seating Tip   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement seating tip for the Locator® FIXED Seating and Removal Tool.</li> </ul> |  |
|  | LFST  |


| Locator® FIXED Removal Tip   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement removal tip for the Locator® FIXED Seating and Removal Tool.</li> </ul> |  |
|  | LFRT  |


| Locator® FIXED Seating Tip Cushion  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement cushion block for the seating tip</li> </ul> |  |
|   | LFSTC   |

| Locator® FIXED Removal Tip Wire Loop  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Replacement wire loop for the removal tip</li> </ul> |  |
|   | LFRTWL  |

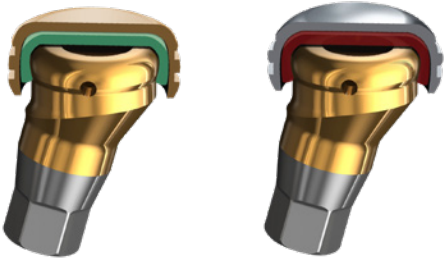






| Locator® FIXED Tool 2.4mm Hex Wrench  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Used to tighten or loosen the wire loop in the Locator® FIXED Removal Tip</li> </ul> |  |
|   | LFTHW   |

| Locator® FIXED Optional Removal Hook Tip |   |
|--|---|
| Description                              | Image/Item code   |
|  |  |
|  | LFORHT  |

| Locator® FIXED Tool Tip Wrench  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Tighten the seating or removal tip on the Locator® FIXED Seating and Removal tool from spinning</li> </ul> |  |
|   | LFTTW   |

| Locator® FIXED Processing Component Storage Box   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Improved Organization and Productivity</li> <li>• Easier Inventory Management</li> </ul> |  |
|   | LFPCSB  |


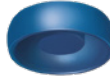


# Locator® Angled Abutment


| ET Locator® Angled Abutment   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| Description   |  |  |  | Image/Guide   |  |  |  |
| <ul style="list-style-type: none"> <li>• Market-Leading Innovation: The newest solution for edentulous patients.</li> <li>• 15-Degree Correction: Corrects up to 15 degrees of implant divergence.</li> <li>• Expanded Angulation: Restores an additional 20 degrees using extended range or FIXED inserts.</li> <li>• 35-Degree Total Restoration: Restores implants angled up to 35 degrees (if permitted by manufacturer).</li> <li>• Included Parts: Comes with the Abutment, Internal Screw, and Parallel Post.</li> <li>• Sold Separately: LOCATOR Angled Driver Set and Replacement Screw available individually.</li> </ul> |  |  |  |  <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>Fixed</span> <span>Removable</span> </div> |  |  |  |
| G/H   | 2.5  | 3.5  | 4.5  | 5.5   | 6.5  | 7.5  |  |
| <b>M</b> Mini<br><b>R</b> Regular<br>Regular size   |  |  |  |    |  |  |  |
| <b>Mini</b>   | ETMALOC25  | ETMALOC35  | ETMALOC45  | ETMALOC55   | ETMALOC65  | ETMALOC75  |  |
| <b>Regular</b>  | ETRALOC25  | ETRALOC35  | ETRALOC45  | ETRALOC55   | ETRALOC65  | ETRALOC75  |  |




# Locator<sup>®</sup> R-Tx Removable Attachment


| R-Tx Abutment   |              |              |              |              |              |              |  |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--|
| Description   |              |              |              | Image/Guide  |              |              |  |
| <ul style="list-style-type: none"> <li>Maintain overall user familiarity and processing techniques</li> <li>All-in-one packaging (Abutment, Denture Attachment Housing, Retention Inserts, Block-out Spacer)</li> <li>Angle correction up to 30°</li> <li>Easier retention terminology: zero, low, medium, high</li> <li>Replace the Legacy Locator<sup>®</sup> center cavity with a conventional .050"/1.25mm Hex Driver to seat abutment</li> <li>New DuraTec<sup>®</sup> coating (TiCN – Titanium Carbon Nitride) for greater wear resistance that is anodized pink for better aesthetics</li> </ul> |              |              |              |              |              |              |  |
| G/H   | 1.0          | 2.0          | 3.0          | 4.0          | 5.0          | 6.0          |  |
| <b>M</b> Mini<br><b>R</b> Regular<br>Regular size   |              |              |              |              |              |              |  |
| <b>Ø3.5</b>   | RHGLCA3510MA | RHGLCA3520MA | RHGLCA3530MA | RHGLCA3540MA | RHGLCA3550MA | RHGLCA3560MA |  |
| <b>Ø4.0</b>   | RHGLCA4010SA | RHGLCA4020SA | RHGLCA4030SA | RHGLCA4040SA | RHGLCA4050SA | RHGLCA4060SA |  |


# Locator® R-Tx Processing Components


| Retention Insert   |   |  |   |   |
|--|---|--|---|---|
| Description  | Zero  | Low  | Medium  | High  |
| <ul style="list-style-type: none"> <li>Nylon Inserts pivot within the Denture Attachment Housing during the insertion and removal of the overdenture</li> <li>Packing unit: 4ea</li> </ul> |  |  |  |  |
|  | RLRMZS  | RLRMLS   | RLRMMS  | RLRMHS  |

| Processing Spacer   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Creates a recess in the overdenture</li> <li>Allows the Denture Attachment Housing to be seated without any interference</li> <li>Along with the surrounding overdenture acrylic.</li> </ul> |  |
|   | RLAPSS  |


| Abutment Analog  |   |   |   |
|--|---|---|---|
| Description  | 3.35  | 4.0   | 5.0   |
| <ul style="list-style-type: none"> <li>Inserted into the Impression Coping</li> <li>Packaged in three dimensions to accommodate smaller and larger sized implants</li> </ul> |  |  |  |
|  | RLAL30S   | RLAL40S   | RLAL50S   |


| Block Out Spacers   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Blocks out undercut areas immediately</li> <li>Surrounds the abutment</li> <li>Keeps the rim of the Denture Attachment Housing clean during the pick-up</li> </ul> |  |
|   | RLBSS   |

| Impression Coping   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Used to transfer the position of the abutment from the mouth into the model</li> </ul> |  |
|   | RLICS   |





| Locator® R-Tx Scan Body |           |   |
|-------------------------|-----------|---|
| Qty                     | Item code | Image   |
| 2 Pack                  | LOCRSB2   |  |
| 4 Pack                  | LOCRSB4   |   |
| 10 Pack                 | LOCRSB10  |   |

# Locator<sup>®</sup> Processing Components

| Denture Attachment Processing Assembly  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Permanently attached into the overdenture allowing the Retention Inserts to pivot during insertion and removal</li> <li>Packing unit: 4ea</li> </ul> |  |
|   | RLDAPAS   |

| Processing Insert   |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>The pre-inserted Black Processing Insert is used during the pick-up and try-in processes</li> <li>Packing unit: 4ea</li> </ul> |  |
|   | RLBPS   |

| R-Tx Retention Insert Tool   |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>Used only for insertion and removal of the Locator R-Tx Retention and Processing Inserts</li> </ul> |  |
|  | LCCT  |

| CHAIRSIDE <sup>®</sup> Attachment Processing Material  |  |  |
|--|--|--|
| Description  | Type   | Image/Item code  |
| <ul style="list-style-type: none"> <li>Designed for ease of use and predictability when processing attachments into full and partial overdentures, using either a chairside or laboratory procedure</li> </ul> | <b>4mL Syringe</b> <ul style="list-style-type: none"> <li>4ml Syringe and Plunger</li> <li>Mixing tip: 15ea</li> <li>Angled Tip: 15ea</li> </ul> |  <p>4mL Syringe and Plunger</p>  <p>Mixing Tips (15)      Angled Tips (15)</p> |
|  | CSPM8  |  |
|  | <b>18mL Cartridge</b> <ul style="list-style-type: none"> <li>18ml Cartridge</li> <li>Mixing Tips: 10ea</li> </ul>                                |  <p>18mL Cartridge</p>  <p>Mixing Tips (10)</p>                               |
|  | CSPM18   |  |

**HIOSSEN**  
IMPLANT

# SS

## IMPLANT SYSTEM

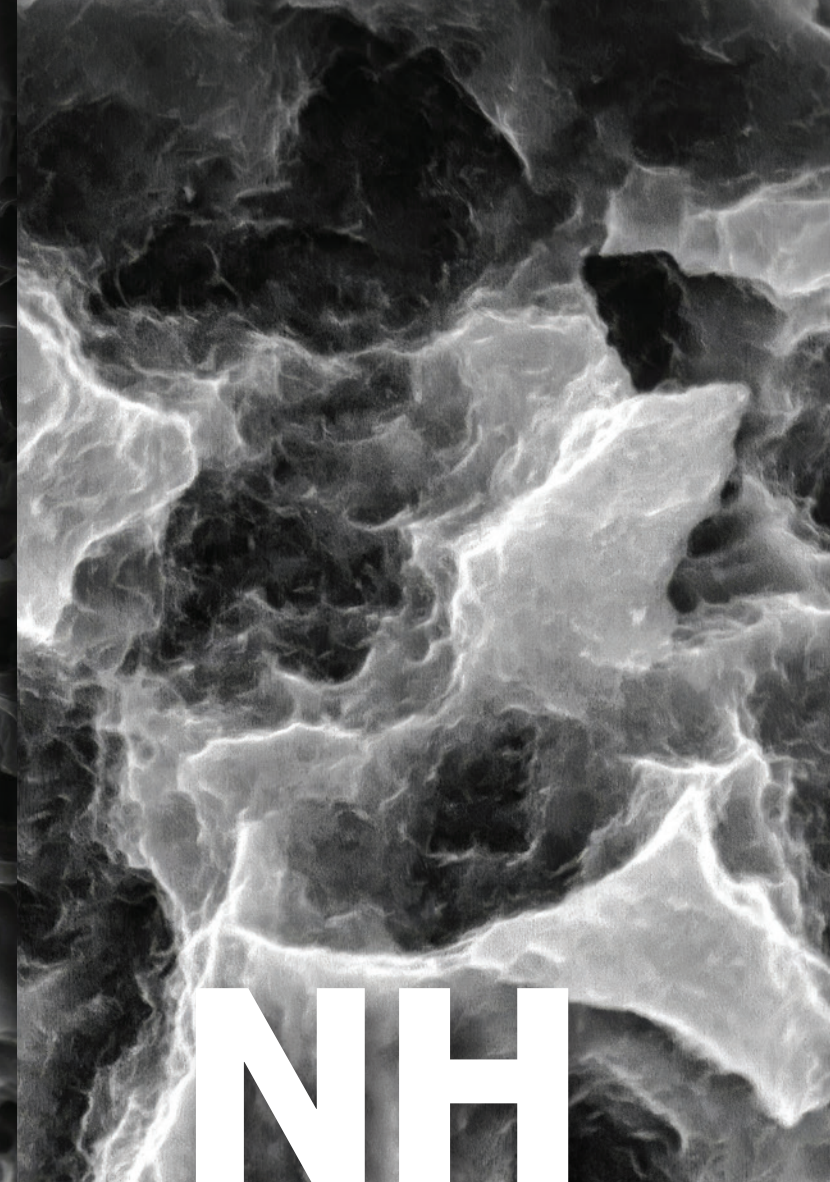
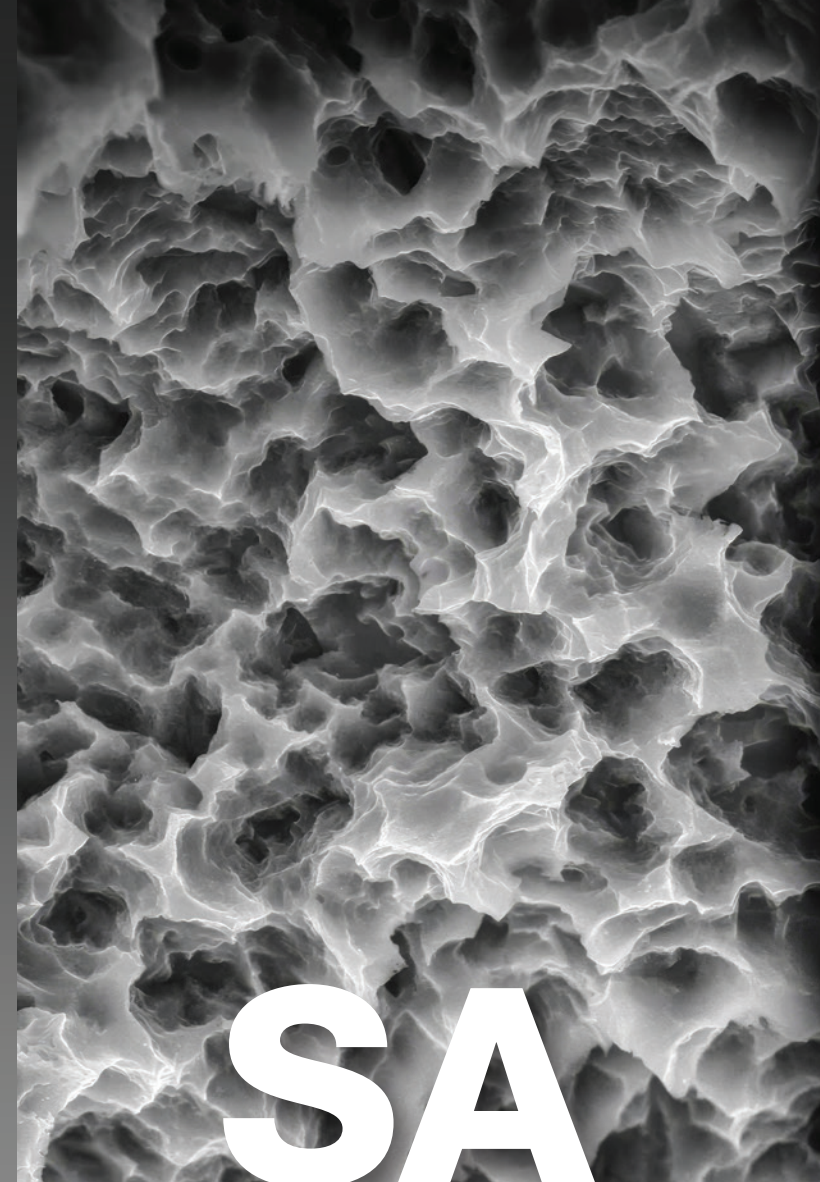
### IMPLANT

|                                  |     |
|----------------------------------|-----|
| SS Implant System                | 012 |
| Healing Abutment / Mount & Screw | 014 |

### COMPONENTS

|                                   |     |
|-----------------------------------|-----|
| <b>PROSTHETIC FLOW DIAGRAM 10</b> | 038 |
| Solid Abutment                    | 040 |
| Excellent Solid Abutment          | 041 |
| <b>PROSTHETIC FLOW DIAGRAM 11</b> | 042 |
| ComOcta Abutment                  | 043 |
| ComOcta Plus Abutment             | 044 |
| <b>PROSTHETIC FLOW DIAGRAM 12</b> | 045 |
| Octa Abutment                     | 050 |
| <b>PROSTHETIC FLOW DIAGRAM 13</b> | 051 |
| O-ring Abutment                   | 056 |

## SS Design & Surface Feature



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

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

### Optimized surface morphology through acid-etching treatment

- Sand Blasted with Alumina and Acid-Etched
- Surface roughness: Ra 2.0-3.0 $\mu\text{m}$   
(Note: the roughness in the upper 0.5mm part is Ra 0.5-0.6 $\mu\text{m}$ )
- Uniform surface micro-pits of 1~3 $\mu\text{m}$
- Surface area increased by 46% compared to resorbable blast media (RBM) treated implants

### In-vitro and In-vivo Bone Response

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

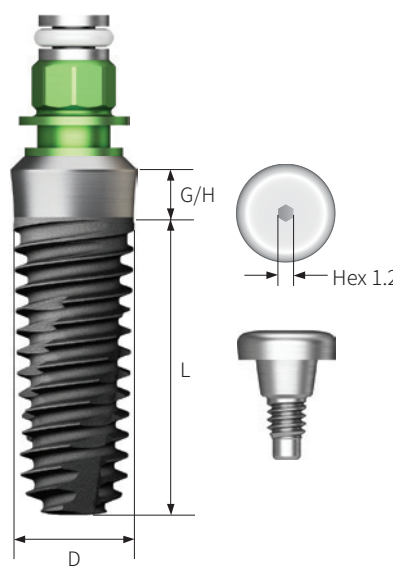
### Low crystalline nano-HA coated SA surface

- Faster Bone Healing. Improved Osseointegration
- 10nm or less ultra-thin hydroxyapatite (HA) coating
- SA surface (Ra 2.0-3.0 $\mu\text{m}$ ) coated with HA
- Dual functions of titanium and HA
  - HA is naturally resorbed during ossification

### In-vitro and In-vivo Bone Response

- Combination of advantages of both SA surfaces and HA
  - SA's ability to maintain the optimal surface morphology
  - HA's ability of high-quality bone formation even in bones of poor quality
- Ossification (BIC) improved by 40% compared to SA surfaces
- Applicable to all types of bone quality compared to HA

# SSIII Implant System

| SS III Implant System  | Guide   |
|--|---|
| <p><b>Description</b></p> <ul style="list-style-type: none"> <li>• Non-submerged type implant with an internal octa and 8° tapered connection</li> <li>• Optimized screw thread design with the ideal SA surface</li> <li>• Tapered body design with high initial stability</li> <li>• Corkscrew threading with excellent self-tapping effect</li> <li>• Excellent initial stability necessary for immediate loading, even in soft bone</li> </ul> <p><b>Ultra-wide</b></p> <ul style="list-style-type: none"> <li>• Ideal for posterior extracted tooth, for immediate placement, or for replacing a failed implant</li> <li>• Apex is specifically designed for excellent initial stability in an extracted tooth site</li> <li>• Recommended insertion torque: &lt;= 40 Ncm</li> <li>• Implants with D4.5mm or more are recommended for the posterior area</li> </ul> <div style="border: 1px solid #ccc; border-radius: 15px; padding: 10px; margin-top: 20px;"> <p><b>Order Code</b><br/> <b>NoMount Implant:</b> Code starts with "SS"<br/> <b>Mount Implant:</b> Code starts with "AS"</p> </div> |  |

| Platform  | Regular      |             |             |              |              |              | Ultra-Wide  |              |
|---|--------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|
| G/H   | 1.8mm        |             |             | 2.8mm        |              |              | 2.0 mm      |              |
| P   | Ø4.8         |             |             | Ø4.8         |              |              | Ø6.0        |              |
| D   | Ø3.5         | Ø4.0        | Ø4.5        | Ø3.5         | Ø4.0         | Ø4.5         | Ø4.5        | Ø5.0         |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="background-color: #008000; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">R</div> <div style="background-color: #0070c0; color: white; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">W</div> <div>L</div> </div> |              |             |             |              |              |              |             |              |
| 6mm   | -            | -           | -           | -            | -            | -            | -           | SS3W5006S20* |
| 7mm   | -            | SS3R4007S18 | SS3R4507S18 | -            | -            | -            | SS3W4507S20 | SS3W5007S20  |
| 8.5mm   | SS3R3508S18* | SS3R4008S18 | SS3R4508S18 | SS3R3508S28* | SS3R4008S28* | SS3R4508S28* | SS3W4508S20 | SS3W5008S20  |
| 10mm  | SS3R3510S18* | SS3R4010S18 | SS3R4510S18 | SS3R3510S28* | SS3R4010S28* | SS3R4510S28* | SS3W4510S20 | SS3W5010S20  |
| 11.5mm  | SS3R3511S18* | SS3R4011S18 | SS3R4511S18 | SS3R3511S28* | SS3R4011S28* | SS3R4511S28* | SS3W4511S20 | SS3W5011S20  |
| 13 mm   | SS3R3513S18* | SS3R4013S18 | SS3R4513S18 | SS3R3513S28* | SS3R4013S28* | SS3R4513S28* | SS3W4513S20 | SS3W5013S20  |

※ Pre-Mount Only

# Healing Abutment

| Healing Abutment   |             |        |        |        |
|--|-------------|--------|--------|--------|
| Description  | Image/Guide |        |        |        |
| <ul style="list-style-type: none"> <li>Select appropriate mount according to the implant platform</li> <li>Tighten with a 1.2 hex hand driver</li> <li>P = Platform</li> </ul> |             |        |        |        |
| H  | 2.0         | 3.0    | 4.0    | 5.0    |
| <b>R</b> Regular<br><b>W</b> Wide  |             |        |        |        |
| Ø4.8   | SSH482      | SSH483 | SSH484 | SSH485 |
| Ø6.0   | -           | SSH603 | SSH604 | -      |

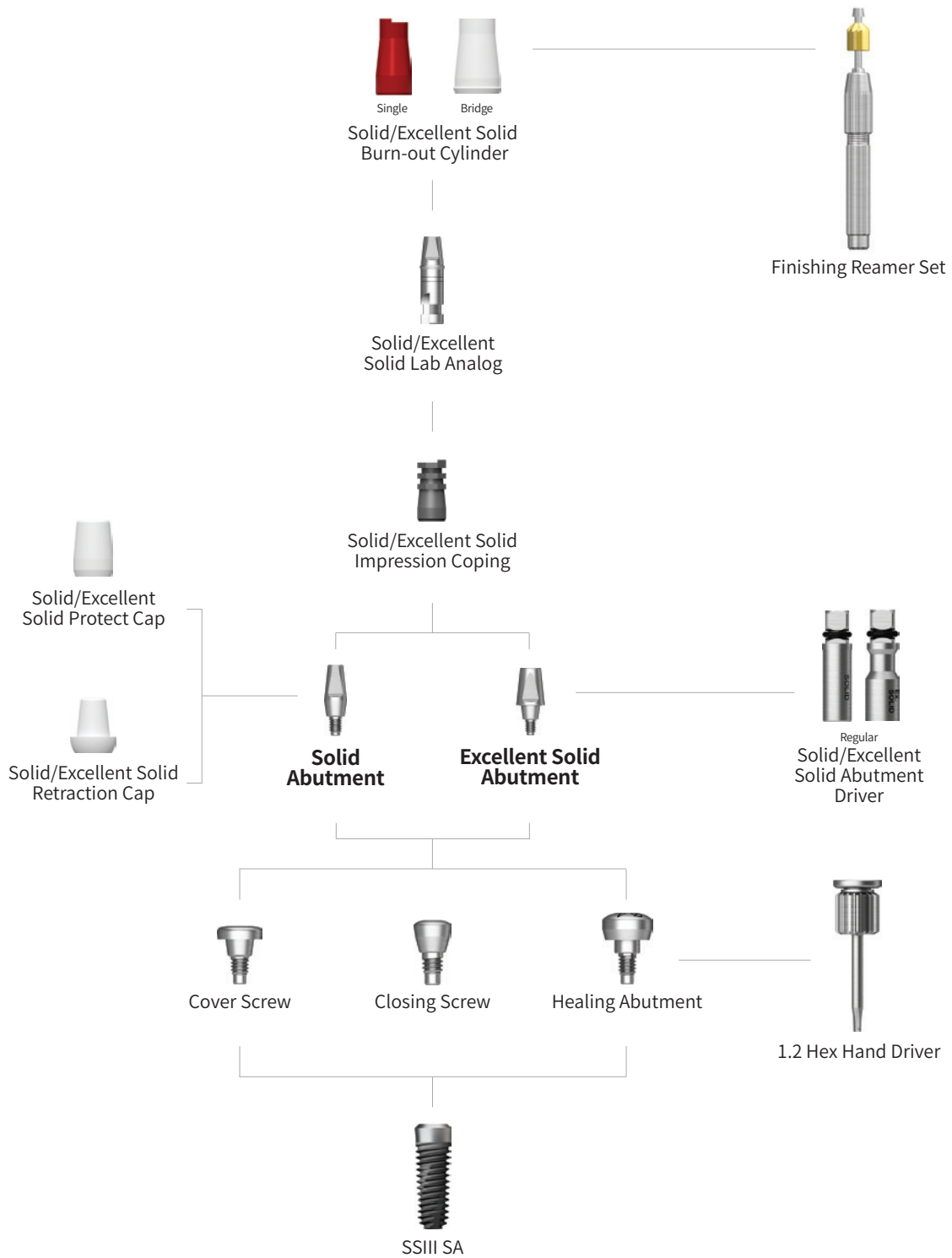
# Mount & Screw

| Cover Screw  |                                   |         |         |
|--|-----------------------------------|---------|---------|
| Description  | P                                 | Regular | Wide    |
| <ul style="list-style-type: none"> <li>Select appropriate mount according to the implant platform</li> <li>Tighten with a 1.2 hex hand driver</li> <li>P = Platform</li> </ul> | <b>R</b> Regular<br><b>W</b> Wide |         |         |
|  |                                   | SSCS480 | SSCS600 |

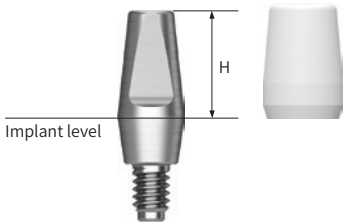



| Closing Screw  |                                   |          |          |
|--|-----------------------------------|----------|----------|
| Description  | P                                 | Regular  | Wide     |
| <ul style="list-style-type: none"> <li>Used when the soft tissue of the suture part is insufficient</li> <li>Tighten with a 1.2 hex hand driver</li> <li>P = Platform</li> </ul> | <b>R</b> Regular<br><b>W</b> Wide |          |          |
|  |                                   | SSCS480N | SSCS600N |




# Solid/Excellent Solid




Abutment Level Impression






# Solid Abutment





| Solid Abutment  |  |  |   |   |
|---|--|--|---|---|
| Description   | Image/Guide  |  |   |   |
| <ul style="list-style-type: none"> <li>• Cement-retained prosthesis</li> <li>• Abutment level impression</li> <li>• Ø4.8: Torque using a solid abutment driver (code: SDSL/SDSS)</li> <li>• Ø6.0: Torque using a 1.2 hex driver or solid abutment driver</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Packing unit: abutment + protect cap</li> </ul> |  |  |   |   |
|   | H  | 4.0  | 5.5   | 7.0   |
|   | <b>R</b> Regular<br><b>W</b> Wide  |  |  |  |
|   | Ø4.8<br>Ø6.0   | SSS484P<br>SSS604P   | SSS485P<br>SSS605P  | SSS487P<br>-  |




| Solid Protect Cap   |                                   |  |   |   |
|---|-----------------------------------|--|---|---|
| Description   | H                                 | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>• Protects the solid abutment and minimizes patient irritation</li> <li>• Can be used as the base for a provisional crown</li> </ul> | <b>R</b> Regular<br><b>W</b> Wide |  |  |  |
|   | Ø4.8<br>Ø6.0                      | SSC484<br>SSC604   | SSC485<br>SSC605  | SSC487<br>-   |




| Solid Impression Coping  |                                   |  |   |   |
|--|-----------------------------------|--|---|---|
| Description  | H                                 | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>• Components for solid abutment impression</li> <li>• Possibility of precise prosthesis using lab analog</li> <li>• Color coded by abutment height</li> </ul> | <b>R</b> Regular<br><b>W</b> Wide |  |  |  |
|  | Ø4.8<br>Ø6.0                      | SSIC484<br>SSIC604   | SSIC485<br>SSIC605  | SSIC487<br>-  |




| Solid Lab Analog  |                                   |  |   |   |
|---|-----------------------------------|--|---|---|
| Description   | H                                 | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>• Components that replace resin caps before wax up using solid abutments</li> <li>• Used in the same color as solid impression coping</li> </ul> | <b>R</b> Regular<br><b>W</b> Wide |  |  |  |
|   | Ø4.8<br>Ø6.0                      | SSSA484<br>SSSA604   | SSSA485<br>SSSA605  | SSSA487<br>-  |

# Solid Abutment Components

| Solid Burn-out Cylinder  |   |   |   |
|--|---|---|---|
| Description  | H   | Single  | Bridge  |
| <ul style="list-style-type: none"> <li>• Solid abutment components that reproduce them on the model after impression taking</li> <li>• Sophisticated prosthesis can be produced inside</li> <li>• After casting, remove the lower part of the margin holding part</li> </ul> |  Regular<br> Wide |  |  |
|  | Ø4.8<br>Ø6.0  | SSSP480S<br>SSSP600S  | SSSP480B<br>SSSP600B  |

| Solid Impression Cap  |   |   |
|---|---|---|
| Description   |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• An impression cap used when the solid abutment is trimmed</li> <li>• Used with a solid shoulder analog and analog pin</li> </ul> |  Regular<br> Wide |  |
|   | Ø4.8<br>Ø6.0  | SSIP480<br>SSIP600  |

| Solid Shoulder Analog  |   |   |
|--|---|---|
| Description  |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Impression product used when removing solid abutment</li> <li>• Reproducing the platform part of the implant in the work model</li> <li>• Used with solid impression cap and shoulder analog pin</li> </ul> |  Regular<br> Wide |  |
|  | Ø4.8<br>Ø6.0  | SSSLA480<br>SSSLA600  |






| Solid Shoulder Analog Pin  |   |   |
|--|---|---|
| Description  |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>• An impression coping component used when the solid abutment is trimmed</li> <li>• Reinforces the narrow part of the abutment</li> <li>• Used with a solid shoulder analog and impression cap</li> </ul> |  Regular<br> Wide |  |
|  | Ø4.8<br>Ø6.0  | SSSAP480<br>SSSAP600  |






# Excellent Solid Abutment





| Excellent Solid Abutment  |  |                    |                    |              |
|---|--|--------------------|--------------------|--------------|
| Description   | Image/Guide  |                    |                    |              |
| <ul style="list-style-type: none"> <li>• Cement-retained prosthesis</li> <li>• Ideal for molar cases due to its larger volume (compared to the solid abutment), trim as needed</li> <li>• Abutment level impression</li> <li>• Ø4.8: Torque using a 1.2 hex driver or an excellent solid abutment driver (code: ESDSS/ESDSL)</li> <li>• Ø6.0: Torque using a 1.2 hex driver or an excellent solid abutment driver (code: ESD60S)</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Packing unit: abutment + protect cap</li> </ul> |  |                    |                    |              |
|   | <b>H</b>   | <b>4.0</b>         | <b>5.5</b>         | <b>7.0</b>   |
|   | <span style="color: green; font-weight: bold;">R</span> Regular<br><span style="color: blue; font-weight: bold;">W</span> Wide |                    |                    |              |
|   | <span style="color: green; font-weight: bold;">Ø4.8</span><br><span style="color: blue; font-weight: bold;">Ø6.0</span>        | SSE484P<br>SSE604P | SSE485P<br>SSE605P | SSE487P<br>- |




| Excellent Solid Protect Cap   |  |                    |                    |              |
|---|--|--------------------|--------------------|--------------|
| Description   | H  | 4.0                | 5.5                | 7.0          |
| <ul style="list-style-type: none"> <li>• Protects the solid abutment and minimizes patient irritation</li> <li>• Can be used as the base for a provisional crown</li> </ul> | <span style="color: green; font-weight: bold;">R</span> Regular<br><span style="color: blue; font-weight: bold;">W</span> Wide |                    |                    |              |
|   | <span style="color: green; font-weight: bold;">Ø4.8</span><br><span style="color: blue; font-weight: bold;">Ø6.0</span>        | SSEC484<br>SSEC604 | SSEC485<br>SSEC605 | SSEC487<br>- |


# Excellent Solid Abutment Components


| Excellent Solid Impression Coping  |   |  |   |   |
|--|---|--|---|---|
| Description  | H   | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Impression components for Excellent solid abutment</li> <li>Possibility of precise prosthesis using lab analog</li> <li>Color coded by abutment height</li> </ul> |  Regular<br> Wide |  |  |  |
|  | Ø4.8<br>Ø6.0  | SSEIC484<br>SSEIC604   | SSEIC485<br>SSEIC605  | SSEIC487<br>-   |

| Excellent Solid Lab Analog  |   |  |   |   |
|---|---|--|---|---|
| Description   | H   | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Components that replace resin caps before wax up using solid abutments</li> <li>Used in the same color as solid impression coping</li> </ul> |  Regular<br> Wide |  |  |  |
|   | Ø4.8<br>Ø6.0  | SSEA484<br>SSEA604   | SSEA485<br>SSEA605  | SSEA487<br>-  |

| Excellent Solid Burn-out Cylinder  |   |   |   |
|--|---|---|---|
| Description  | HH  | Single  | Bridge  |
| <ul style="list-style-type: none"> <li>Excellent solid abutment components that reproduce this on the model after impression taking</li> <li>Sophisticated prosthesis can be produced inside</li> <li>After casting, remove the lower part of the margin holding part</li> </ul> |  Regular<br> Wide |  |  |
|  | Ø4.8<br>Ø6.0  | SSEP480S<br>SSEP600S  | SSEP480B<br>SSEP600B  |

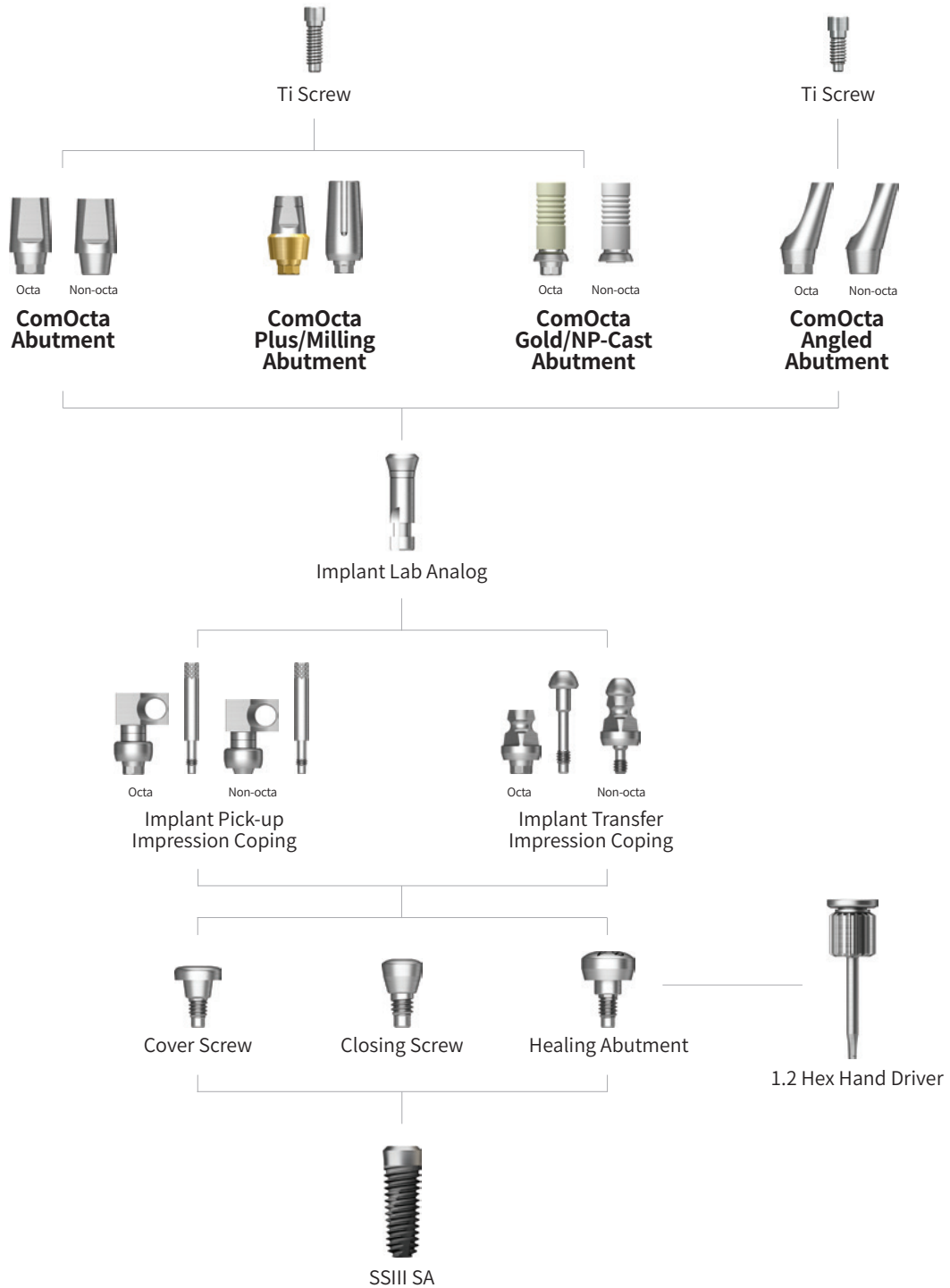
| Excellent Solid Impression Cap  |   |   |
|---|---|---|
| Description   |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>An impression cap used when the solid abutment is trimmed</li> <li>Used with a solid shoulder analog and analog pin</li> </ul> |  Regular<br> Wide |  |
|   | Ø4.8<br>Ø6.0  | SSEIP480<br>SSEIP600  |

| Solid Shoulder Analog  |  |   |
|--|--|---|
| Description  |  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• Impression product used when removing excellent solid abutment</li> <li>• Reproducing the platform part of the implant in the work model</li> <li>• Used with excellent solid impression cap and shoulder analog pin</li> </ul> | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>SSSLA480</p> <p>SSSLA600</p>   |

| Solid Shoulder Analog Pin  |  |   |
|--|--|---|
| Description  |  | Image/Item code   |
| <ul style="list-style-type: none"> <li>• An impression coping component used when the solid abutment is trimmed</li> <li>• Reinforces the narrow part of the abutment</li> <li>• Used with a solid shoulder analog and impression cap</li> </ul> | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>SSSAP480</p> <p>SSSAP600</p>   |

# ComOcta/SmartFit

Abutment Level Impression



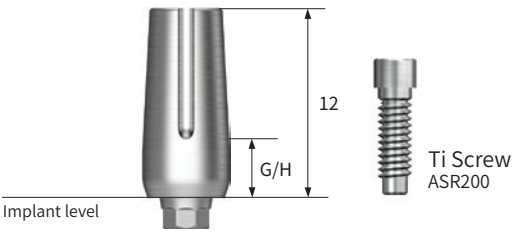


# ComOcta Abutment

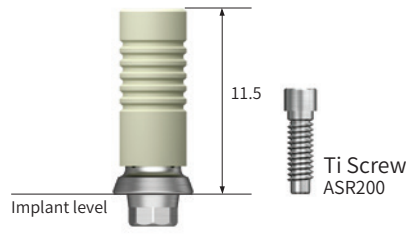


| ComOcta Abutment  |           |           |             |            |            |            |  |
|---|-----------|-----------|-------------|------------|------------|------------|--|
| Description   |           |           | Image/Guide |            |            |            |  |
| <ul style="list-style-type: none"> <li>• Cement/combination-retained prosthesis</li> <li>• Implant level impression</li> <li>• Able to take abutment level impression using a retraction cap</li> <li>• Torque using a 1.2 hex driver</li> <li>• Recommended tightening torque: 30Ncm</li> <li>• Packing unit: abutment + Ti Screw</li> </ul> |           |           |             |            |            |            |  |
|   |           | Octa      |             |            | Non-Octa   |            |  |
| H   | 4.0       | 5.5       | 7.0         | 4.0        | 5.5        | 7.0        |  |
| <b>R</b> Regular<br><b>W</b> Wide   |           |           |             |            |            |            |  |
| Ø4.8  | SSCA484TH | SSCA485TH | SSCA487TH   | SSCA484NTH | SSCA484NTH | SSCA487NTH |  |
| Ø6.0  | SSCA604TH | SSCA605TH | SSCA607TH   | SSCA604NTH | SSCA605NTH | SSCA607NTH |  |

# ComOcta Plus Abutment

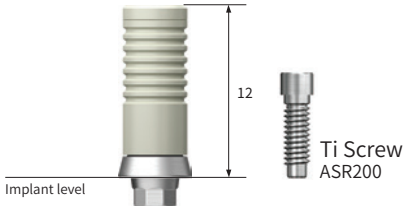




| ComOcta Plus Abutment  |      |              |              |              |              |               |               |               |               |
|--|------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| Description  |      |              |              |              | Image/Guide  |               |               |               |               |
| <ul style="list-style-type: none"> <li>• Cement/combination abutment for prosthesis manufacturing</li> <li>• Used when the gingiva is thick or the implant is deeply implanted</li> <li>• Abutment - implant interlock is 45° platform contact</li> <li>• Implant level impression</li> <li>• Torque using a 1.2 hex driver</li> <li>• Recommended torque of tightening screw: 30Ncm</li> <li>• Packing unit: abutment + Ti Screw</li> </ul> |      |              |              |              |              |               |               |               |               |
| <b>Octa</b>  |      |              |              |              |              |               |               |               |               |
| H  |      | 4.0          |              |              |              | 5.5           |               |               |               |
| G/H  |      | 1.0          | 2.0          | 3.0          | 4.0          | 1.0           | 2.0           | 3.0           | 4.0           |
| Regular<br>Wide  |      |              |              |              |              |               |               |               |               |
| Ø4.8   | Ø5.5 | SSCAP4814CTH | SSCAP4824CTH | SSCAP4834CTH | SSCAP4844CTH | SSCAP4816CTH  | SSCAP4826CTH  | SSCAP4836CTH  | SSCAP4846CTH  |
|  | Ø6.0 | -            | -            | -            | -            | -             | SSCAP4826ETH  | -             | -             |
|  | Ø6.5 | -            | -            | -            | -            | -             | -             | SSCAP4836ETH  | -             |
|  | Ø7.0 | -            | -            | -            | -            | -             | -             | -             | SSCAP4846ETH  |
| Ø6.0   | Ø6.5 | SSCAP6014CTH | SSCAP6024CTH | SSCAP6034CTH | SSCAP6044CTH | SSCAP6016CTH  | SSCAP6026CTH  | SSCAP6036CTH  | SSCAP6046CTH  |
|  | Ø6.8 | -            | -            | -            | -            | -             | SSCAP6026ETH  | -             | -             |
|  | Ø7.2 | -            | -            | -            | -            | -             | -             | SSCAP6036ETH  | -             |
|  | Ø7.6 | -            | -            | -            | -            | -             | -             | -             | SSCAP6046ETH  |
| <b>Non-Octa</b>  |      |              |              |              |              |               |               |               |               |
| H  |      | 4.0          |              |              |              | 5.5           |               |               |               |
| G/H  |      | 1.0          | 2.0          | 3.0          | 4.0          | 1.0           | 2.0           | 3.0           | 4.0           |
| Regular<br>Wide  |      |              |              |              |              |               |               |               |               |
| Ø4.8   | Ø5.5 | -            | -            | -            | -            | SSCAP4816CNTH | SSCAP4826CNTH | SSCAP4836CNTH | SSCAP4846CNTH |
|  | Ø6.0 | -            | -            | -            | -            | -             | SSCAP4826ENTH | -             | -             |
|  | Ø6.5 | -            | -            | -            | -            | -             | -             | SSCAP4836ENTH | -             |
|  | Ø7.0 | -            | -            | -            | -            | -             | -             | -             | SSCAP4846ENTH |
| Ø6.0   | Ø6.5 | -            | -            | -            | -            | SSCAP6016CNTH | SSCAP6026CNTH | SSCAP6036CNTH | SSCAP6046CNTH |
|  | Ø6.8 | -            | -            | -            | -            | -             | SSCAP6026ENTH | -             | -             |
|  | Ø7.2 | -            | -            | -            | -            | -             | -             | SSCAP6036ENTH | -             |
|  | Ø7.6 | -            | -            | -            | -            | -             | -             | -             | SSCAP6046ENTH |






# ComOcta Abutment Components

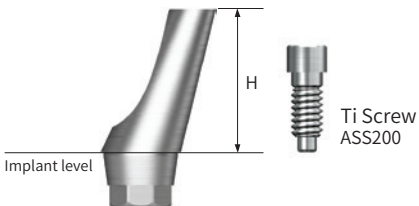




| ComOcta Milling Abutment   |  |   |   |
|--|--|---|---|
| Description  | Type   | Octa  | Non-Octa  |
| <ul style="list-style-type: none"> <li>Cement/combination/screw-retained prosthesis</li> <li>Customized prosthesis cast with gold alloy</li> <li>Abutment fastens to the platform at a 45° angle</li> <li>Abutment melting point: 1400-1450°C (2552~2642°F)</li> <li>Implant level impression</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: abutment + Ti Screw</li> </ul>  | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | SSCMA4830TH   | SSCMA6030TH   |

| ComOcta Gold Abutment  |  |   |   |
|--|--|---|---|
| Description  | Type   | Octa  | Non-Octa  |
| <ul style="list-style-type: none"> <li>Cement/combination/screw-retained prosthesis</li> <li>Customized prosthesis cast with gold alloy</li> <li>Abutment fastens to the platform at a 45° angle</li> <li>Abutment melting point: 1400-1450°C (2552~2642°F)</li> <li>Implant level impression</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: abutment + Ti Screw</li> </ul>  | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>COG480STH</p> <p>COG600STH</p>   | <p>COG480BTH</p> <p>COG600BTH</p>   |

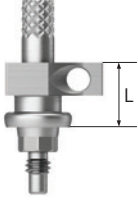




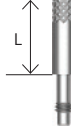

# ComOcta Abutment Components





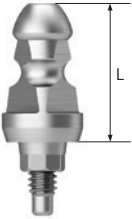
| ComOcta NP-Cast Abutment   |   |   |   |
|--|---|---|---|
| Description  | Type  | Octa  | Non-Octa  |
| <ul style="list-style-type: none"> <li>Cement/combination/screw-retained prosthesis</li> <li>Customized prosthesis cast with non-precious alloy</li> <li>Abutment fastens to the platform at a 45° angle</li> <li>Abutment melting point: 1400-1450°C (2552~2642°F)</li> <li>Implant level impression</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: abutment + Ti Screw</li> </ul>  |  Regular<br> Wide |  |  |
|  |   | Ø4.8<br>Ø6.0  | CON480STH<br>CON600STH  |




| ComOcta Protect Cap   |  |  |   |   |
|---|--|--|---|---|
| Description   | H  | 4.0  | 5.5   | 7.0   |
| <ul style="list-style-type: none"> <li>Protects ComOcta abutment final prosthesis</li> <li>Can be used as a temporary crown base</li> <li>Excellent Solid Protect Cap can substitute for wide type</li> </ul> |  Regular<br> Wide |  |  |  |
|   |  | Ø4.8<br>Ø6.0   | SSCC484<br>SSEC604  | SSCC485<br>SSEC605  |

| ComOcta Angled Abutment   |   |   |   |
|---|---|---|---|
| Description   | Type  | Octa  |   |
|   | Angle   | 15°   | 20°   |
| <ul style="list-style-type: none"> <li>Cement/combination-retained prosthesis</li> <li>Angle compensation between 15°/20°</li> <li>Use dedicated abutment screw</li> <li>Implant level impression</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packing unit: abutment + Ti screw (only angled)</li> </ul> <p>Abutment + Ti Screw order code<br/>:product code + TH (ex: SSA4815TH)</p>  |  Regular<br> Wide |  |  |
|   |   | Ø4.8<br>Ø6.0  | SSA4815TH<br>SSA6015TH  |

# ComOcta Abutment Components

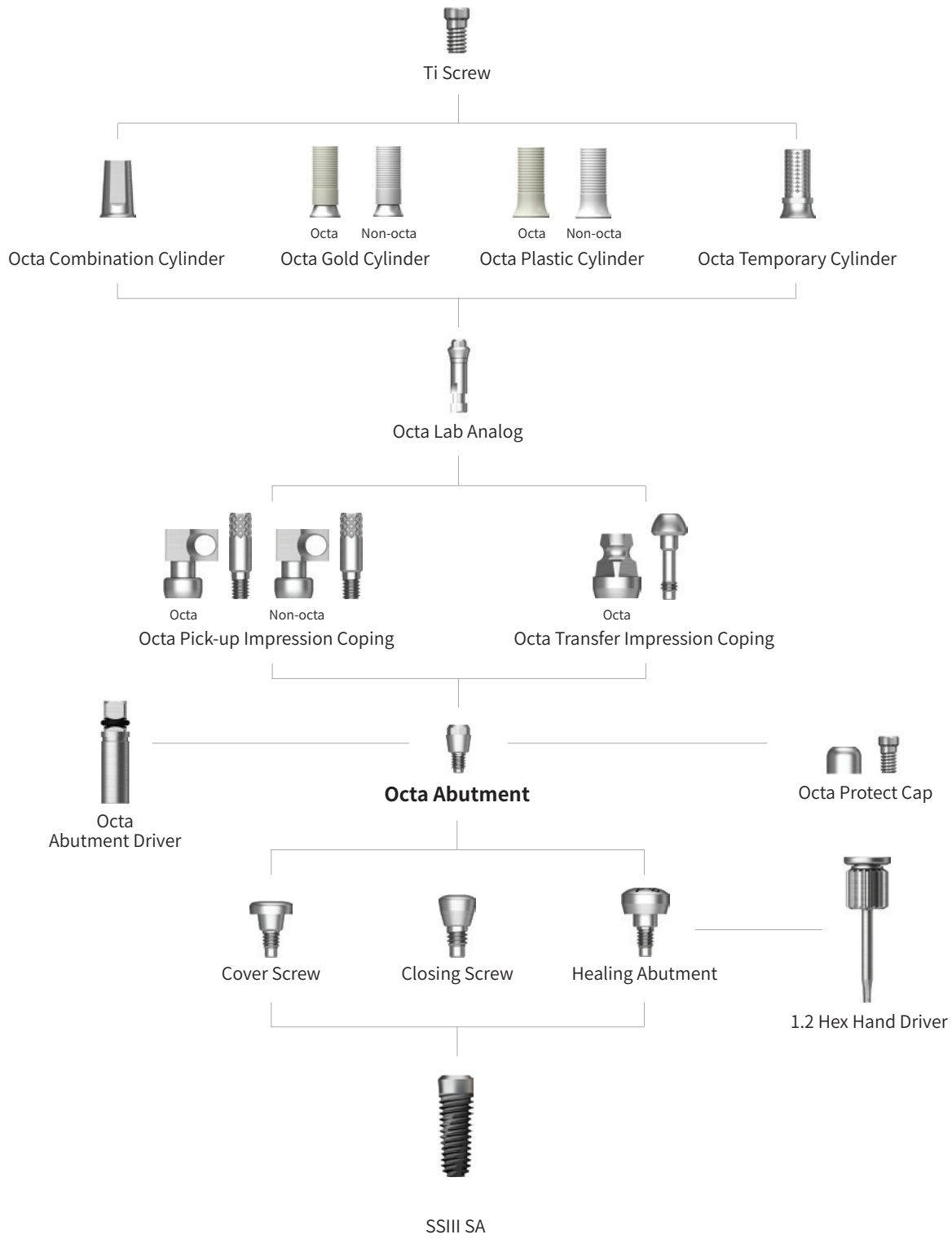
| Implant Pick-up Impression Coping   |   |   |   |   |   |
|---|---|---|---|---|---|
| Description   |   |   |   | Image/Guide   |   |
| <ul style="list-style-type: none"> <li>Components for implant level impression taking</li> <li>For open tray impressions</li> <li>Unique design that is fixed position in the impression material</li> <li>Connect with a 1.2 hex hand driver</li> <li>Packing unit: impression coping body + guide pin(*)</li> </ul> |   |   |   |  |   |
| Type  | Octa  | Non-Octa  | Guide Pin   |   |   |
| L   | 10  |   | 10  | 15  | 17  |
|  Regular<br> Wide   |  |  |  |  |  |
| Ø4.8<br>Ø6.0  | SSICA480<br>SSICA600  | SSICA480N<br>-  | CSR100*(L5)   | CSR150*(L10)  | CSR170  |

| Implant Transfer Impression Coping  |   |   |   |
|---|---|---|---|
| Description   | Type  | Octa  |   |
|   | L   | 9.5   | 12.5  |
| <ul style="list-style-type: none"> <li>Components for implant level impression taking</li> <li>For closed tray impressions</li> <li>Triangular arc enabling precise placement</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Packing unit               <ul style="list-style-type: none"> <li>- Octa: impression coping body + guide pin</li> <li>- Non-octa: impression coping</li> </ul> </li> </ul> |  Regular<br> Wide |  |  |
|    | Ø4.8<br>Ø6.0  | SSCTIS480TH<br>SSCTIS600TH  | SSCTIL480TH<br>SSCTIL600TH  |



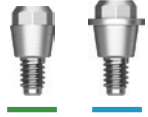
| Implant Lab Analog  |   |   |
|---|---|---|
| Description   |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>A lab analog for implant level impression</li> <li>Select an appropriate implant platform; Ø4.8/6.0</li> </ul> |  Regular<br> Wide |  |
|   | Ø4.8<br>Ø6.0  | SSFA480<br>SSFA600  |




# Octa



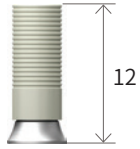
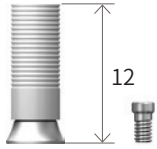

## Abutment Level Impression









# Octa Abutment

| Octa Abutment   |   |   |
|---|---|---|
| Description   |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis for multiple prosthetic options</li> <li>Angle compensation of up to 60°</li> <li>Torque using a dedicated outer driver (code: ODSL/ODSS)</li> <li>Recommended tightening torque: 30Ncm</li> </ul> |  Regular<br> Wide |  |
|   | Ø4.8<br>Ø6.0  | SSOA480<br>SSOA600  |

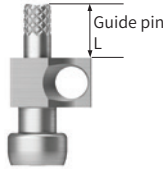



| Octa Protect Cap   |   |   |
|--|---|---|
| Description  |   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Protective cap</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Packing unit: protect cap + Ti Screw</li> </ul> |  Regular<br> Wide |  Ti Screw:<br>SSFS (Ø4.8 Ø6.0) |
|  | Ø4.8<br>Ø6.0  | SSHC480TH<br>SSHC600TH  |


| Octa Gold Cylinder  |   |   |   |
|---|---|---|---|
| Description   | Type  | Octa  | Non-Octa  |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Customized prosthesis cast with gold alloy</li> <li>Cylinder melting point: 1400-1450°C (2552~2642°F)</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: cylinder + Ti cylinder screw</li> </ul> |  Regular<br> Wide |  |  |
|   |  Ti Screw:<br>SSFS (Ø4.8 Ø6.0)   | Ø4.8<br>Ø6.0  | SSGCO480TH<br>SSGCO600TH  |


| Octa Temporary Cylinder   |   |   |
|---|---|---|
| Description   | G/H   | 0   |
| <ul style="list-style-type: none"> <li>Provisional prosthesis (Ti Gr-3)</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: cylinder + Ti cylinder screw</li> </ul> |  Regular<br> Wide |  Ti Screw:<br>: SSFS (Ø4.8 Ø6.0) |
|   | Ø4.8<br>Ø6.0  | SSTCO480TH<br>SSTCO600TH  |

| Octa Plastic Cylinder   |   |   |
|---|---|---|
| Description   | G/H   | 0   |
| <ul style="list-style-type: none"> <li>Screw-retained prosthesis</li> <li>Customized prosthesis cast with non-precious alloys</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 20Ncm</li> <li>Packing unit: cylinder + Ti cylinder screw</li> </ul> |  Regular<br> Wide |  Ti Screw:<br>SSFS (Ø4.8 Ø6.0) |
|   | Ø4.8<br>Ø6.0  | SSPSO480TH<br>SSPSO600TH  |

# Octa Abutment Components

| Octa Pick-up Impression Coping   |  |  |   |   |
|--|--|--|---|---|
| Description  | Type   | Octa   | Guide Pin   |   |
|  | L  |  | 0   | 5.0   |
| <ul style="list-style-type: none"> <li>A pick up impression coping for octa abutment</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Packing unit: impression coping body + guide pin(*)</li> </ul>  | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |  |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>SSICO480</p> <p>SSICO600</p>  | <p>SSGS100</p>  | <p>SSGS150*</p>   |

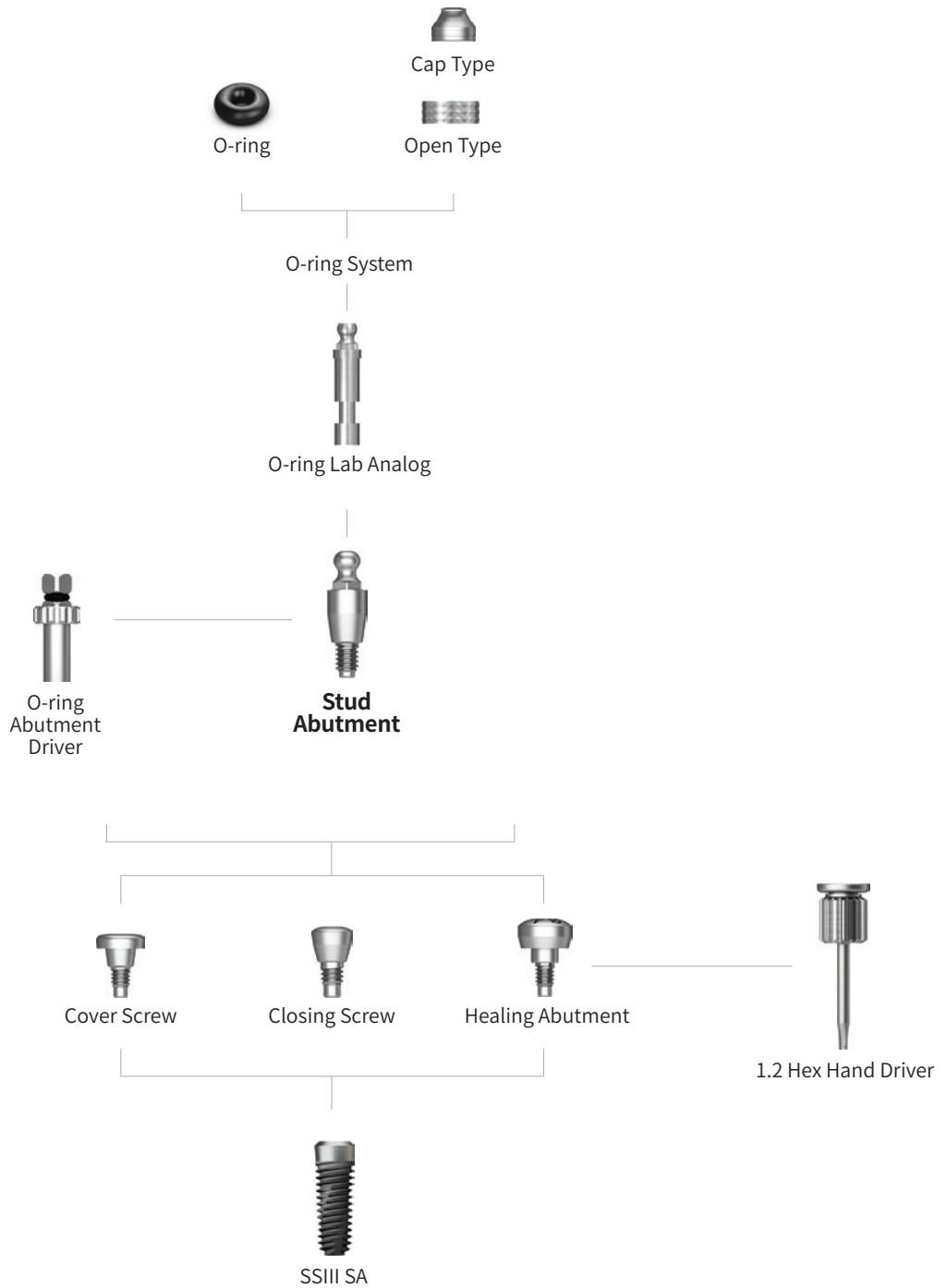
| Octa Transfer Impression Coping  |  |  |
|--|--|--|
| Description  |  | Image/Item code  |
| <ul style="list-style-type: none"> <li>Hand tightened with a 1.2 hex driver</li> <li>Packing unit: Impression coping body + Guide pin</li> </ul> | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>SSOTI480</p> <p>SSOTI600</p>  |

| Octa Lab Analog  |  |   |
|--|--|---|
| Description  |  | Image/Item code   |
| <ul style="list-style-type: none"> <li>Lab analog</li> <li>Tighten with a 1.2 hex hand driver</li> </ul> | <p><b>R</b> Regular</p> <p><b>W</b> Wide</p> |  |
|  | <p>Ø4.8</p> <p>Ø6.0</p>                      | <p>SSLA480</p> <p>SSLA600</p>   |

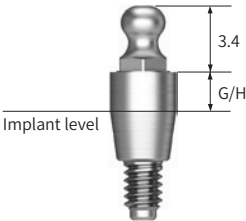




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# O-ring


Overdenture






# O-ring Abutment

| O-ring Abutment  |   |   |   |   |         |
|--|---|---|---|---|---------|
| Description  | G/H   | 0   | 2.0   | 4.0   |         |
| <ul style="list-style-type: none"> <li>Retains overdenture with o-ring system</li> <li>Angle compensation of up to 20°</li> <li>Torque using an outer driver (code: AORD)</li> <li>Recommended tightening torque: 30Ncm</li> </ul>  |  |  |  |  |         |
|  |   | Ø4.8  | SSRA000   | SSRA200   | SSRA400 |
|  |   | Ø6.0  | SSWA000   | SSWA200   | SSWA400 |

| O-ring Retainer Cap Set   |  |
|---|--|
| Description   | Image/Item code  |
| <ul style="list-style-type: none"> <li>O-ring housing</li> <li>Place an appropriate o-ring in the metal housing before connecting to the abutment</li> <li>Packing unit: retainer cap + O-ring</li> </ul> |  |
|   | RCS01  |

| O-ring Set   |  |
|--|--|
| Description  | Image/Item code  |
| <ul style="list-style-type: none"> <li>O-ring set</li> <li>Packing unit: O-ring x 5ea</li> </ul> |  |
|  | OAON01S  |

| O-ring Retainer Set  |   |
|--|---|
| Description  |   |
| <ul style="list-style-type: none"> <li>Used when vertical dimension is shorter than the retainer cap</li> <li>Packing unit: retainer cap + O-ring</li> </ul> |   |
| Retainer   | O-ring  |
|   |  |
| RS01   |   |

| O-ring Lab Analog (Denture)  |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>A lab analog for O-ring abutment</li> </ul> |  |
|  | MSDLA   |

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# EM

## IMPLANT SYSTEM

|              |     |
|--------------|-----|
| Narrow Ridge | 112 |
| Denture      | 113 |
| Provisional  | 114 |

# EM Implant System Narrow Ridge

| Narrow Ridge   |            |            |            |            | Image/Guide |
|--|------------|------------|------------|------------|-------------|
| Description  |            |            |            |            |             |
| <ul style="list-style-type: none"> <li>Implants suitable for narrow spaces such as mandibular anterior teeth</li> <li>Applied SA surface with excellent osseointegration performance</li> <li>Optimized abutment shape and size without prosthesis removal</li> <li>Recommended insertion torque: 30Ncm or less</li> </ul> |            |            |            |            |             |
| G/H  | 2.5mm      |            | 4.0mm      |            |             |
| D  | Ø2.5       | Ø3.0       | Ø2.5       | Ø3.0       |             |
| L  |            |            |            |            |             |
| 8.5 mm   | EMN2508S25 | EMN3008S25 | EMN2508S40 | EMN3008S40 |             |
| 10 mm  | EMN2510S25 | EMN3010S25 | EMN2510S40 | EMN3010S40 |             |
| 11.5 mm  | EMN2511S25 | EMN3011S25 | EMN2511S40 | EMN3011S40 |             |
| 13 mm  | EMN2513S25 | EMN3013S25 | EMN2513S40 | EMN3013S40 |             |
| 15 mm  | EMN2515S25 | EMN3015S25 | EMN2515S40 | EMN3015S40 |             |

## Components

| Impression Coping (Narrow Ridge)   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>Used for taking precise impression</li> </ul> |                 |
|  | MSPIC           |

| Temporary Cap  |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>Used for temporary prosthesis production</li> </ul> |                 |
|  | MSPTC           |

| Lab Analog   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>Lab Analog for EM Implant Narrow Ridge</li> </ul> |                 |
|  | MSPLA           |

| Burn-out Cylinder  |        |        |
|--|--------|--------|
| Description  | Single | Bridge |
| <ul style="list-style-type: none"> <li>Used as a prosthetic framework by attaching onto EM Implant Narrow Ridge</li> <li>After prosthetic casting, the margin is adjusted with a dedicated reamer</li> </ul> |        |        |
|  | MSPBCS | MSPBCB |

# EM Implant System Denture

| Denture  |            |            |            |            |            |            | Image/Guide |
|--|------------|------------|------------|------------|------------|------------|-------------|
| Description  |            |            |            |            |            |            |             |
| <ul style="list-style-type: none"> <li>• Implants used for edentulous patients with narrow bone widths</li> <li>• Applied SA surface with excellent osseointegration performance</li> <li>• Easier and more convenient for denture cases</li> <li>• Recommended insertion torque: 30Ncm or less</li> </ul> |            |            |            |            |            |            |             |
| G/H  | 2.0mm      |            |            | 4.0mm      |            |            |             |
| D  | Ø2.0       | Ø2.5       | Ø3.0       | Ø2.0       | Ø2.5       | Ø3.0       |             |
| L  |            |            |            |            |            |            |             |
| 8.5 mm   | EMD2008S20 | EMD2508S20 | EMD3008S20 | EMD2008S40 | EMD2508S40 | EMD3008S40 |             |
| 10 mm  | EMD2010S20 | EMD2510S20 | EMD3010S20 | EMD2010S40 | EMD2510S40 | EMD3010S40 |             |
| 11.5 mm  | EMD2011S20 | EMD2511S20 | EMD3011S20 | EMD2011S40 | EMD2511S40 | EMD3011S40 |             |
| 13 mm  | EMD2013S20 | EMD2513S20 | EMD3013S20 | EMD2013S40 | EMD2513S40 | EMD3013S40 |             |
| 15 mm  | EMD2015S20 | EMD2515S20 | EMD3015S20 | EMD2015S40 | EMD2515S40 | EMD3015S40 |             |

## Components

| O-ring Retainer Cap Set   |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>• O-ring housing</li> <li>• Place an appropriate O-ring in the metal housing before connecting to the abutment</li> <li>• Packing unit: Retainer cap + O-ring</li> </ul> |                 |
|   | RCS01           |

| O-ring Set   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>• O-ring set</li> <li>• Packing unit: O-ring x 5ea</li> </ul> |                 |
|  | OAON01S         |

| O-ring Retainer Set   |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>• O-ring housing</li> <li>• Used when vertical height is shorter than the retainer cap</li> <li>• Packing unit: Retainer + O-ring</li> </ul> |                 |
|   | OARS01          |

| O-ring Lab Analog (Denture)  |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>• Lab analog for stud abutment</li> </ul> |                 |
|  | MSDLA           |

# EM Implant System Provisional

| Provisional  |          |          | Image/Guide |
|--|----------|----------|-------------|
| Description  |          |          |             |
| <ul style="list-style-type: none"> <li>Used for temporary prosthesis placement for full or partially edentulous patients</li> <li>Neck design to compensate path while maintaining strength</li> <li>Utilize provisional cap and lab analog to make temporary prosthesis</li> <li>One-time neck adjustment up to 30°</li> <li>Recommended insertion torque: 30Ncm or less</li> </ul> |          |          |             |
| D  | Ø1.8     | Ø2.5     |             |
| L  |          |          |             |
| 10 mm  | EMT18104 | EMT25104 |             |
| 13 mm  | EMT18134 | EMT25134 |             |
| 15 mm  | EMT18154 | EMT25154 |             |

## Components

| Provisional Cap   |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>Used for temporary prosthesis production (titanium)</li> </ul> |                 |
|   | MSTPC           |

| Lab Analog   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>Used for temporary prosthesis placement for full or partially edentulous patients</li> <li>Neck design to compensate path while maintaining strength</li> <li>Utilize provisional cap and lab analog to make temporary prosthesis</li> <li>One-time neck adjustment up to 30°</li> <li>Recommended insertion torque: 30Ncm or less</li> </ul> |                 |
|  | MSTLA           |

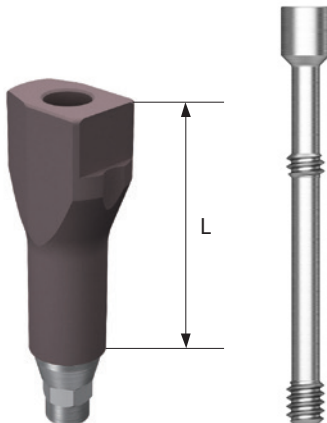









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# DIGITAL PROSTHETICS

|                             |     |
|-----------------------------|-----|
| Scan body                   | 118 |
| Scan Healing Abutment       | 119 |
| Digital Lab Analog          | 120 |
| Link Abutment for CEREC™    | 122 |
| ET / EK Pre-Milled Abutment | 123 |

# Digital Prosthetics Scan Body

| Scan Body   |  |  |  |
|---|--|--|--|
| Description   | Implant System   | Short(8mm)   | Long(12mm)   |
| <ul style="list-style-type: none"> <li>A digital impression coping for EK or ET Implant system</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Packing unit: scan body + Ti Screw</li> </ul>  | <b>EK System</b><br>  |    |   |
|   |  | EKNSBSTH   | EKNSBLTH   |
|   | <b>ET System</b><br> <p><b>Mini</b><br/>Screw Coloring : Yellow</p>     |    |   |
|   |  | ETNSBMSTH  | ETNSBMLTH  |
|   | <b>ET System</b><br> <p><b>Regular</b><br/>Screw Coloring : Green</p> |  |  |
|   |  | ETNSBRSTH  | ETNSBRLTH  |





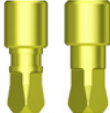


| ET Multi Scan Body  |   |
|---|---|
| Description   | Image/Item code   |
| <ul style="list-style-type: none"> <li>Used by attaching to ET Multi Abutment for intra oral scanning</li> <li>Non-Hex type</li> <li>Torque using 1.2 Hex Driver</li> </ul> |  |
|   | TMSBC   |

# Digital Prosthetics Scan Healing Abutment


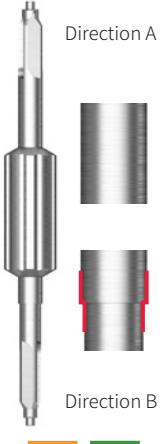
| Scan Healing Abutment   |             |             |             |             |
|---|-------------|-------------|-------------|-------------|
| Description   |             | Image/Guide |             |             |
| <ul style="list-style-type: none"> <li>• Healing Abutment with scan body function</li> <li>• Specifications are identified by the number and sizes of the indents on the abutment head</li> <li>• Abutment level impression</li> <li>• Dedicated abutment screws for each length (cannot be mixed)</li> <li>• Torque using Scan Healing Abutment Carrier or 1.2 Hex Driver</li> <li>• Packing unit: Scan Healing Abutment + Abutment Screw</li> </ul> |             |             |             |             |
| H   | 4.0         | 5.0         | 7.0         | 9.0         |
|   | 1 marking   | 2 markings  | 3 markings  | 4 markings  |
| <b>M</b> Mini   |             |             |             |             |
| Ø4.0  | TSSHA404MTH | TSSHA405MTH | TSSHA407MTH | TSSHA409MTH |
| <b>R</b> Regular  |             |             |             |             |
| Ø4.5  | TSSHA454RTH | TSSHA455RTH | TSSHA457RTH | TSSHA459RTH |
| Ø5.0  | TSSHA504RTH | TSSHA505RTH | TSSHA507RTH | TSSHA509RTH |
| Ø6.0  | TSSHA604RTH | TSSHA605RTH | TSSHA607RTH | TSSHA609RTH |



| Scan Healing Abutment Carrier   |            |             |            |            |
|---|------------|-------------|------------|------------|
| Description   |            | Image/Guide |            |            |
| <ul style="list-style-type: none"> <li>• Able to connect to Scan Healing Abutment and tighten</li> <li>• Size dependent on Scan Healing Abutment size</li> <li>• Material: PEEK + TrimRite</li> </ul> |            |             |            |            |
| D   | 4.0        | 4.5         | 5.0        | 6.0        |
| <b>M</b> Mini   |            |             |            |            |
| <b>R</b> Regular  |            |             |            |            |
| Short   | TSSHAC400  | TSSHAC450   | TSSHAC500  | TSSHAC600  |
| Long  | TSSHAC400L | TSSHAC450L  | TSSHAC500L | TSSHAC600L |

# Digital Prosthetics Digital Lab Analog





| Digital Lab Analog   |   |   |   |
|--|---|---|---|
| Description  | EK System   | D Ø3.3 / 3.5  | D Ø4.0 & Above  |
| <ul style="list-style-type: none"> <li>An lab analog for creating digital implant working models (e.g., 3D-Printed Model)</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Convenient specification differentiation via color coding of the lab analog</li> <li>Easy and precise connection/seating using dedicated lab analog tools, such as the Reamer Drill and Positioning Jig</li> <li>Packing unit: Digital lab analog + Fixing screw</li> </ul> |   |  |  |
|  |   | EKDLA350  | EKDLA400  |
|  | ET System   | Mini  | Regular   |
|  |  Mini<br> Regular |  |  |
|  | Ø3.2<br>Ø3.5<br><b>Regular</b>  | TSDLA300<br>TSDLA350<br>-   | -<br>-<br>TSDLA400  |
|  | EK & ET System  | Multi Abutment  |   |
|  |    |   |   |
|  | TSDLA   |   |   |





# Digital Prosthetics


| Reamer Drill  |                 |                 |             |    |      |      |    |                 |      |  |   |   |
|---|-----------------|-----------------|-------------|----|------|------|----|-----------------|------|--|---|---|
| Description   |                 | Image/Item code |             |    |      |      |    |                 |      |  |   |   |
| <ul style="list-style-type: none"> <li>Used to clear the holes of the 3D-Printed Model where the Analog will be inserted</li> </ul> <p><b>DLARDM300</b></p> <hr/> <p>Type</p> <p>ET <span style="color: orange;">Ø3.0</span></p> <p><b>DLARDR</b></p> <hr/> <table border="1"> <tr> <td>Type</td> <td>Direction A</td> <td>Direction B</td> </tr> <tr> <td>EK</td> <td>Ø4.0</td> <td>Ø3.5</td> </tr> <tr> <td>ET</td> <td>Regular / Multi</td> <td>Mini</td> </tr> </table> | Type            | Direction A     | Direction B | EK | Ø4.0 | Ø3.5 | ET | Regular / Multi | Mini | <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="background-color: orange; color: white; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-right: 5px;">M</div> <span>Mini</span> </div> <div style="display: flex; align-items: center;"> <div style="background-color: green; color: white; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-right: 5px;">R</div> <span>Regular</span> </div> </div> |  |  |
|   | Type            | Direction A     | Direction B |    |      |      |    |                 |      |  |   |   |
| EK  | Ø4.0            | Ø3.5            |             |    |      |      |    |                 |      |  |   |   |
| ET  | Regular / Multi | Mini            |             |    |      |      |    |                 |      |  |   |   |
|   |                 | DLARDM300       | DLARDR      |    |      |      |    |                 |      |  |   |   |

| Positioning Jig   |   |   |   |
|---|---|---|---|
| Description   | EK System   | ET System   | Multi Abutment  |
| <ul style="list-style-type: none"> <li>Used to connect Digital Lab Analogs to the 3D-Printed Models' holes</li> </ul> |  |  |  |
|   | KSDLAPJ   | GSDLAPJ   | TSMDLAPJ  |




# Digital Prosthetics Link Abutment for CEREC™




| Link Abutment   |   |   |   |
|---|---|---|---|
| Description   | Type  | Hex   | Non-Hex   |
| <ul style="list-style-type: none"> <li>Cement-retained/screw-retained/combination type prosthesis</li> <li>CEREC™ CAD/CAM manufactured custom abutment with titanium base and milled zirconia</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque :20Ncm(mini), 30Ncm(regular)</li> <li>Library NB B 3.4</li> </ul> |  Mini<br> Regular |  |  |
|   | Mini<br>Regular   | HGCTBMHW<br>HGCTBRHW  | HGCTBMNW<br>HGCTBRNW  |

| Scan Post  |   |   |   |
|--|---|---|---|
| Description  | Type  | Mini  | Regular   |
| <ul style="list-style-type: none"> <li>Special post to scan the position of the implant where space is limited (e.g. thick soft tissue, deeply inserted implant)</li> <li>Use with Scan Body (e.g. Connect Scan Body before scanning)</li> <li>Tighten with a 1.2 hex hand driver</li> <li>Packing unit: scan post + Ti Screw</li> <li>Library NB B 3.4</li> </ul> |  Mini<br> Regular |  ETABSML |  ETABSSL |
|  |   | HGCSMHL   | HGCSRHL   |

| Scan Body  |   |
|--|---|
| Description  | Image/Item code   |
| <ul style="list-style-type: none"> <li>Scan after connecting to a link abutment for CEREC™, or a scan post</li> <li>Packing unit: scan body x 10ea.</li> </ul> |  |
|  | HGCSBG  |

# Digital Prosthetics Pre-Milled Abutment

| EK Pre-Milled Abutment  |             |             |  |             |
|---|-------------|-------------|--|-------------|
| Description   |             |             | Image/Guide  |             |
| <ul style="list-style-type: none"> <li>To create a custom abutment using a milling machine</li> <li>Genuine Hiossen mark for easy authenticity check</li> <li>Higher fitting precision than non-genuine parts</li> <li>Compatible with multiple milling brands</li> <li>Recommended torque: 30 Ncm</li> <li>Packing unit : abutment + Ti screw</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>EK Hex Abutments have Abutment Holding System at the bottom</p> </div> <div style="text-align: center;">  <p>EK Non-Hex abutments have three indents at the bottom</p> </div> </div> |             |             |  <p>D</p> |             |
| D   | 10.0        |             | 14.0   |             |
| Type  | Hex         | Non-Hex     | Hex  | Non-Hex     |
| EK Platform   | EKPMA10ARHT | EKPMA10ARNT | EKPMA14ARHT  | EKPMA14ARHT |

| ET Pre-Milled Abutment  |              |              |  |              |
|---|--------------|--------------|--|--------------|
| Description   |              |              | Image/Guide  |              |
| <ul style="list-style-type: none"> <li>To create a custom abutment using a milling machine</li> <li>Genuine Hiossen mark for easy authenticity check</li> <li>Higher fitting precision than non-genuine parts</li> <li>Compatible with multiple milling brands</li> <li>Packing unit : abutment + EbonyGold screw or Ti screw</li> </ul> <div style="display: flex; margin-top: 20px;"> <div style="margin-right: 10px;">  Mini         </div> <div>  Regular         </div> </div> |              |              |  <p>D</p> |              |
| D   | 10.0         |              | 14.0   |              |
| Type  | Hex          | Non-Hex      | Hex  | Non-Hex      |
| Mini  | ETPMA10ARMHW | ETPMA10ARMNW | ETPMA14ARMHW   | ETPMA14ARMNW |
| Regular   | ETPMA10ARRHW | ETPMA10ARRNW | ETPMA14ARRHW   | ETPMA14ARRNW |

**HIOSSEN**  
IMPLANT

# SURGICAL KIT

## GUIDED SURGERY KIT

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## IMPLANT SURGERY KIT

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## SINUS SURGERY KIT

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## SURGICAL INSTRUMENT

|                          |     |
|--------------------------|-----|
| Surgical Instruments Kit | 226 |
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# ET OneGuide Kit (HOGK)

For

ETIII/IV

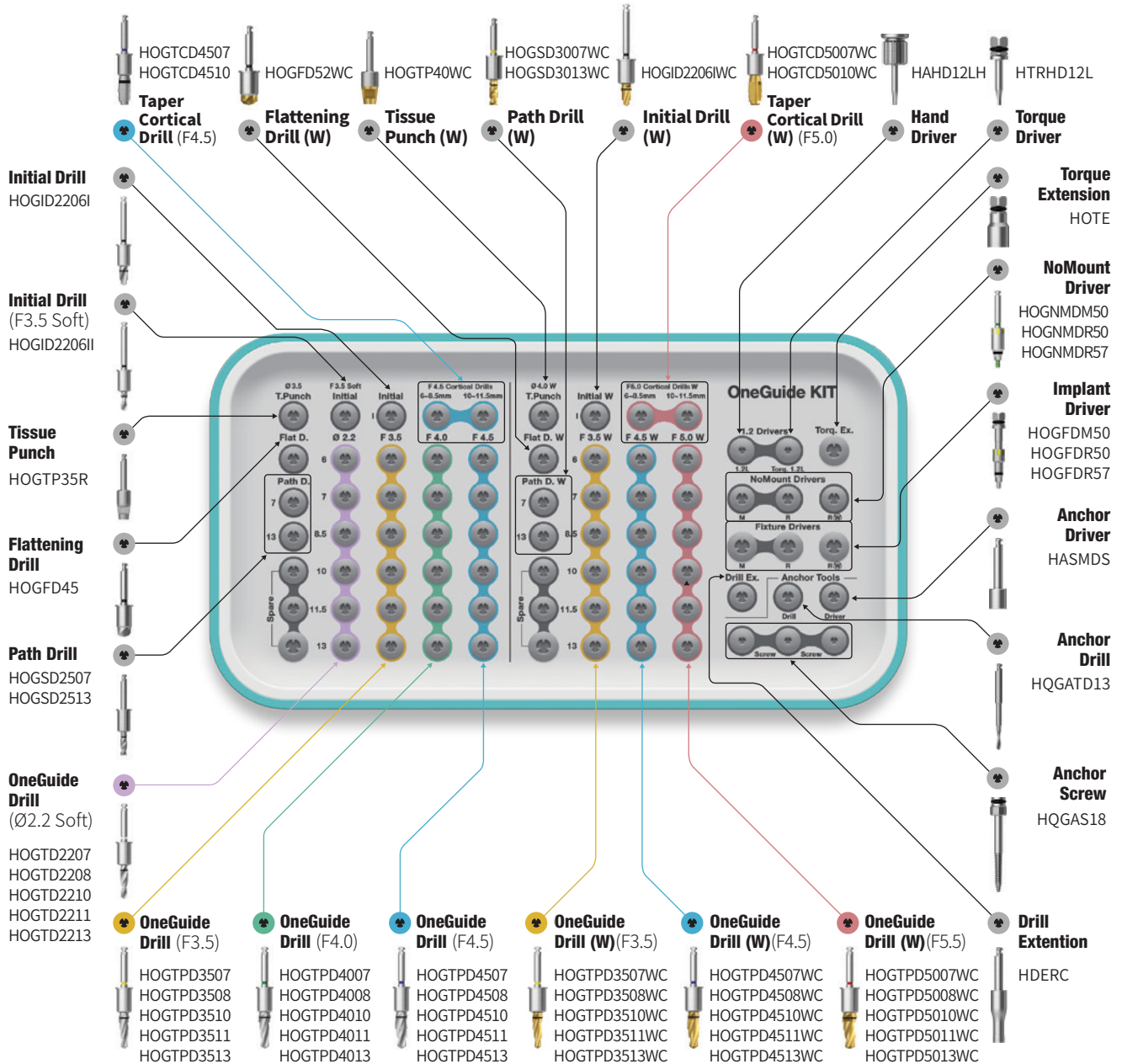
SSII/III

Top panel components

**Torque Wrench**  
TQWCB



**Depth Gauge**  
ODG



# EK OneGuide Kit (HKOGK)

For

EKIII

SSII/III

Top panel components

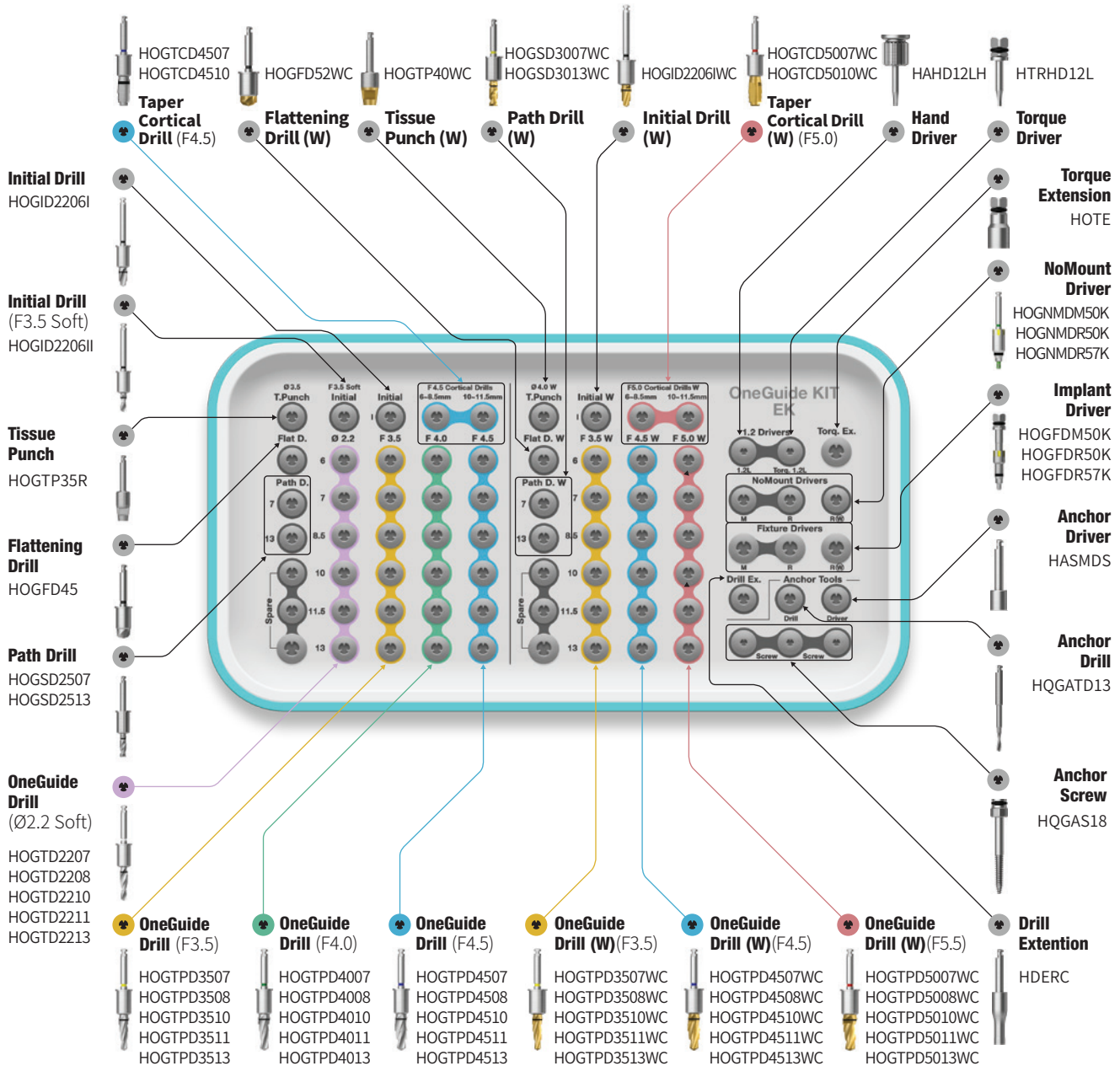
**Torque Wrench**

TQWCB




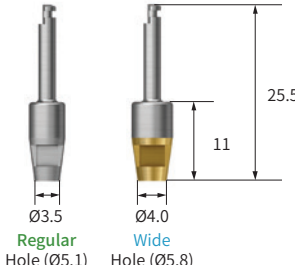
**Depth Gauge**

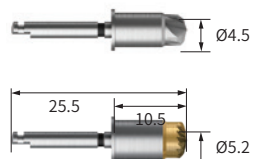
ODG

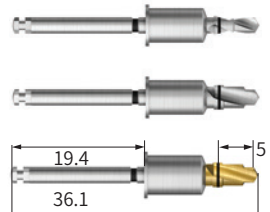


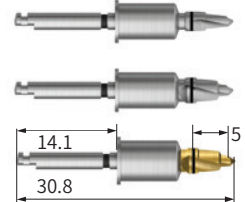
# OneGuide Kit Surgical Kit Instruments

| OneGuide Template  |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>Two sizes of guide holes depending on the diameter of the implant                             <ul style="list-style-type: none"> <li>- D5.0 for implant diameters: F3.5/4.0/4.5</li> <li>- D5.8 for implant diameter: F5.0</li> </ul> </li> <li>Dual contact feature ensures excellent accuracy in positioning and stability</li> <li>Simple drilling sequence by adopting 122 Taper Kit concepts</li> <li>Packing unit: surgical guide (optional: SmartFit abutment, Temporary Crown)</li> </ul> |  |

| Tissue Punch  |      |                     |                  |   |
|---|------|---------------------|------------------|---|
| Description   | D/Ø  | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide   |
| <ul style="list-style-type: none"> <li>Used to remove gingiva flaplessly</li> <li>7 types according to the OneGuide guide holes</li> <li>Drills except two types are not included in the Kit (HOGTP35R, HOGTP40WC) and are sold separately</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> | Ø3.0 | HOGTP30R            | -                |  |
|   | Ø3.5 | HOGTP35R            | -                |   |
|   | Ø4.0 | HOGTP40R            | HOGTP40WC        |   |
|   | Ø4.5 | HOGTP45R            | HOGTP45WC        |   |
|   | Ø5.0 | -                   | HOGTP50WC        |   |

| Flattening Drill   |      |                     |                  |   |
|--|------|---------------------|------------------|---|
| Description  | D/Ø  | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide   |
| <ul style="list-style-type: none"> <li>Used for flattening narrow or irregular bone ridges, before initial drill</li> <li>Multiple cutting edge designed to prevent drill bouncing</li> <li>2 Types (Below F5.0/for F5.0)</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> | Ø4.5 | HOGFD45             | -                |  |
|  | Ø5.2 | -                   | HOGFD52WC        |   |

| Initial Drill   |             |                     |                  |   |
|---|-------------|---------------------|------------------|---|
| Description   | D/Ø         | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide   |
| <ul style="list-style-type: none"> <li>Used after Tissue Punch for initial drilling</li> <li>Secures depth for subsequent drills for more stability</li> <li>Available in 3 types: (F3.5 soft bone/below F5.0/for 5.0)</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> | Ø3.5 (Soft) | HOGID2206II         | -                |  |
|   | Ø4.0/Ø4.5   | HOGID2206I          | -                |   |
|   | Ø5.0 (W)    | -                   | HOGID2206IWC     |   |

| Initial Drill (Short Type)   |             |                     |                  |   |
|--|-------------|---------------------|------------------|---|
| Description  | D/Ø         | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide   |
| <ul style="list-style-type: none"> <li>Short type Initial Drill (5.3mm shorter)</li> <li>Used for limited intermaxillary space</li> <li>Available in 3 types: (F3.5 soft bone/below F5.0/for 5.0)</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> | Ø3.5 (Soft) | HOGD2206IIS         | -                |  |
|  | Ø4.0/Ø4.5   | HOGD2206IS          | -                |   |
|  | Ø5.0 (W)    | -                   | HOGD2206ISWC     |   |

# OneGuide Kit Surgical Kit Instruments

| OneGuide Drill  |      |        |              |              |              |              |             |
|---|------|--------|--------------|--------------|--------------|--------------|-------------|
| Description/Item code   |      |        |              |              |              |              |             |
| <ul style="list-style-type: none"> <li>Taper Drill optimized for III/IV type implant</li> <li>Used for placing F3.5 ~ F5.0 &amp; 6 ~ 13mm implants</li> <li>Multi-step drill design allows for stable drilling</li> <li>Drills for 6mm and F5.5(W) types are sold separately</li> <li>Recommended speed: Soft Bone (800 ~ 1,200 rpm) / Normal, Hard Bone (1,200 ~ 1,500 rpm)</li> </ul> |      |        |              |              |              |              |             |
| Below F5.0<br>Regular Hole (Ø5.1)   |      | D/Ø    | Ø3.5         | Ø4.0         | Ø4.5         | Image/Guide  |             |
|   |      | Y-Dim. | 0.7          | 0.9          | 1.0          |              |             |
| L   | TL   | GD     | 5.0          | 5.0          | 5.0          |              |             |
| 6   | 36.1 |        | HOGTPD3506   | HOGTPD4006   | HOGTPD4506   |              |             |
| 7   | 36.1 |        | HOGTPD3507   | HOGTPD4007   | HOGTPD4507   |              |             |
| 8.5   | 36.1 |        | HOGTPD3508   | HOGTPD4008   | HOGTPD4508   |              |             |
| 10  | 36.1 |        | HOGTPD3510   | HOGTPD4010   | HOGTPD4510   |              |             |
| 11.5  | 37.6 |        | HOGTPD3511   | HOGTPD4011   | HOGTPD4511   |              |             |
| 13  | 39.1 |        | HOGTPD3513   | HOGTPD4013   | HOGTPD4513   |              |             |
| F5.0<br>Wide Hole (Ø5.8)  |      | D/Ø    | Ø3.5 (w)     | Ø4.5 (w)     | Ø5.0 (w)     | Ø5.5 (w)     | Image/Guide |
|   |      | Y-Dim. | 0.7          | 0.9          | 1.0          | 1.0          |             |
| L   | TL   | GD     | 5.7          | 5.7          | 5.7          | 5.7          |             |
| 6   | 36.1 |        | HOGTPD3506WC | HOGTPD4506WC | HOGTPD5006WC | HOGTPD5506WC |             |
| 7   | 36.1 |        | HOGTPD3507WC | HOGTPD4507WC | HOGTPD5007WC | HOGTPD5507WC |             |
| 8.5   | 36.1 |        | HOGTPD3508WC | HOGTPD4508WC | HOGTPD5008WC | HOGTPD5508WC |             |
| 10  | 36.1 |        | HOGTPD3510WC | HOGTPD4510WC | HOGTPD5010WC | HOGTPD5510WC |             |
| 11.5  | 37.6 |        | HOGTPD3511WC | HOGTPD4511WC | HOGTPD5011WC | HOGTPD5511WC |             |
| 13  | 39.1 |        | HOGTPD3513WC | HOGTPD4513WC | HOGTPD5013WC | HOGTPD5513WC |             |

| Twist Drill  |      |                                       |           |        |           |             |
|--|------|---------------------------------------|-----------|--------|-----------|-------------|
| Description  |      | F3.5 Soft Bone<br>Regular Hole (Ø5.1) |           | D/Ø    | Ø2.2      | Image/Guide |
| <ul style="list-style-type: none"> <li>Used to place F3.5 implants in soft bone</li> <li>Available in 5 types</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> |      |                                       |           | Y-Dim. | 0.7       |             |
|  |      | L                                     | TL        | GD     | 5.0       |             |
|  |      | 7                                     | 36.1      |        | HOGTD2207 |             |
|  |      | 8.5                                   | 36.1      |        | HOGTD2208 |             |
|  |      | 10                                    | 36.1      |        | HOGTD2210 |             |
|  |      | 11.5                                  | 37.6      |        | HOGTD2211 |             |
| 13   | 39.1 |                                       | HOGTD2213 |        |           |             |

# OneGuide Kit Surgical Kit Instruments



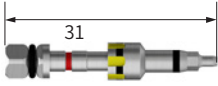
| OneGuide Vertical Twist Drill   |      |                     |                  |             |
|---|------|---------------------|------------------|-------------|
| Description   | D/Ø  | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide |
| <ul style="list-style-type: none"> <li>Used for drilling before OneGuide Anchor</li> <li>Sold as an individual item</li> <li>Recommended speed: 800 ~1,200 rpm</li> </ul> | Ø1.5 | HOGTD1506           | HOGTD1506W       |             |




| OneGuide Vertical Bone Anchor   |      |                     |                  |             |
|---|------|---------------------|------------------|-------------|
| Description   | D/Ø  | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide |
| <ul style="list-style-type: none"> <li>Used for fixing the OneGuide in place (e. g. edentulous case)</li> <li>Mounted on the alveolar bone vertically to fix OneGuide in place</li> <li>Soft bone: placed directly</li> <li>Normal/hard bone: placed after using the OneGuide Vertical Drill</li> <li>Tighten at 20 rpm with Anchor Driver</li> <li>Sold as an individual item</li> </ul> | Ø2.0 | HOGBAR              | HOGBAW           |             |

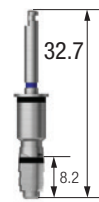
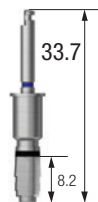
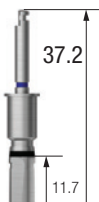

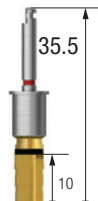
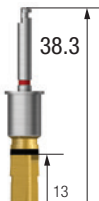
| OneGuide Vertical Implant Anchor   |      |                     |                  |             |
|--|------|---------------------|------------------|-------------|
| Description  | D/Ø  | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide |
| <ul style="list-style-type: none"> <li>Used for fixing OneGuide in place (e. g. edentulous case)</li> <li>Mounted on the implant vertically to fix OneGuide in place</li> <li>Tighten with 1.2 hex Hand Driver</li> <li>Only used for Regular connection of F4.0 or greater</li> <li>Sold as an individual item</li> </ul> | Ø2.0 | HOGFAR              | HOGFAW           |             |

| OneGuide NoMount Driver for ET   |          |                             |           |             |
|--|----------|-----------------------------|-----------|-------------|
| Description  | *C       | D/Ø                         | Item code | Image/Guide |
| <ul style="list-style-type: none"> <li>Used to place a NoMount implant</li> <li>It is recommended to place the implant ~80% of the planned implant depth with this driver</li> <li>C = Connection</li> </ul> | F3.5     | Mini Regular Hole (Ø5.1)    | HOGNMDM50 |             |
|  | F4.0/4.5 | Regular Regular Hole (Ø5.1) | HOGNMDR50 |             |
|  | F5.0     | Regular Wide Hole (Ø5.8)    | HOGNMDR57 |             |


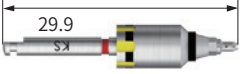
# OneGuide Kit Surgical Kit Instruments



| OneGuide Implant Driver for ET   |          |                                       |           |   |
|--|----------|---------------------------------------|-----------|---|
| Description  | *C       | D/Ø                                   | Item code | Image/Guide   |
| <ul style="list-style-type: none"> <li>Used with a wrench for finishing the final implant placement</li> <li>Yellow groove aligns the abutment hex direction</li> <li>Match the grooves on the OneGuide template with the grooves on the driver</li> <li>C = Connection</li> </ul> | F3.5     | <b>Mini</b><br>Regular Hole (Ø5.1)    | HOGFDM50  |  |
|  | F4.0/4.5 | <b>Regular</b><br>Regular Hole (Ø5.1) | HOGFDR50  |  |
|  | F5.0 (W) | <b>Regular</b><br>Wide Hole (Ø5.8)    | HOGFDR57  |  |



| Implant Driver (Stopper Type)   |          |                                       |           |  |
|---|----------|---------------------------------------|-----------|--|
| Description   | *C       | D/Ø                                   | Item code | Image/Guide  |
| <ul style="list-style-type: none"> <li>Featuring stopper design to prevent entry below the upper surface of OneGuide hole</li> <li><b>Sold as an individual item</b></li> <li>C = Connection</li> </ul> | F3.5     | <b>Mini</b><br>Regular Hole (Ø5.1)    | HOGFDSM50 |   |
|   | F4.0/4.5 | <b>Regular</b><br>Regular Hole (Ø5.1) | HOGFDSR50 |   |
|   | F5.0 (W) | <b>Regular</b><br>Wide Hole (Ø5.8)    | HOGFDSR57 |  |



| OneGuide Taper Cortical Drill  |               |                         |   |   |   |
|--|---------------|-------------------------|---|---|---|
| Description  | L             | Regular Hole (Ø5.1)     | Image/Guide   |   |   |
| <ul style="list-style-type: none"> <li>Used for placing F4.5 and F5.0 implants in hard bone</li> <li>Optimize placement by cutting cortical bone</li> <li>Drills for 13 mm diameter implant is sold separately</li> <li>Drilling up to the first black line for 6mm placement</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> | 6 / 7 / 8.5mm | HOGTCD4507              |  |  |  |
|  | 10 / 11.5mm   | HOGTCD4510              |   |   |   |
|  | 13mm          | HOGTCD4513              |   |   |   |
|  | L             | <b>Wide</b> Hole (Ø5.8) |   |   |   |
|  | 6 / 7 / 8.5mm | HOGTCD5007WC            |  |  |  |
|  | 10 / 11.5mm   | HOGTCD5010WC            |   |   |   |
|  | 13mm          | HOGTCD5013WC            |   |   |   |

# OneGuide Kit Surgical Kit Instruments

| OneGuide No Mount Driver for EK  |          |                                |            |   |
|--|----------|--------------------------------|------------|---|
| Description  | *C       | D/Ø                            | Item code  | Image/Guide   |
| <ul style="list-style-type: none"> <li>Used for placing EK NoMount Implants</li> <li>Recommended to place ~80% of the planned implant depth with this driver</li> <li><b>Sold as an individual item</b></li> <li>C = Connection</li> </ul> | F3.5     | Regular<br>Regular Hole (Ø5.1) | HOGNMDM50K |  |
|  | F4.0/4.5 |                                | HOGNMDR50K |   |
|  | F5.0     | Regular<br>Wide Hole (Ø5.8)    | HOGNMDR57K |  |

| OneGuide Implant Driver for EK   |          |                                |           |  |
|--|----------|--------------------------------|-----------|--|
| Description  | *C       | D/Ø                            | Item code | Image/Guide  |
| <ul style="list-style-type: none"> <li>Used with a wrench for finishing the final implant placement</li> <li>Yellow groove aligns the abutment hex direction</li> <li>Match the grooves on the OneGuide template with the grooves on the driver</li> <li>Sold as an individual item</li> <li>C = Connection</li> </ul> | F3.5     | Regular<br>Regular Hole (Ø5.1) | HOGFDM50K |   |
|  | F4.0/4.5 |                                | HOGFDR50K |  |
|  | F5.0     | Regular<br>Wide Hole (Ø5.8)    | HOGFDR57K |  |

| OneGuide NoMount Driver for SS   |               |                                |            |   |   |
|--|---------------|--------------------------------|------------|---|---|
| Description  | *P            | D/Ø                            | Item code  | Image   |   |
| <ul style="list-style-type: none"> <li>Used for placing SS NoMount Implants</li> <li>Recommended to place ~80% of the planned implant depth with this driver</li> <li>*P = Platform</li> </ul> | F3.5/F4.0/4.5 | Mini<br>Regular Hole (Ø5.1)    | HOGNMDR50S |  |   |
|  | F5.0          | Regular<br>Wide Hole (Ø5.8)    | HOGNMDR57S |   |  |
|  | F5.0          | Wide<br>Extra Wide Hole (Ø6.8) | HOGNMDW67S |   |   |

| OneGuide Implant Driver for SS   |               |                                |           |   |   |
|--|---------------|--------------------------------|-----------|---|---|
| Description  | *P            | D/Ø                            | Item code | Image   |   |
| <ul style="list-style-type: none"> <li>Used with a wrench for finishing the final implant placement</li> <li>Yellow groove aligns the abutment hex direction</li> <li>Match the grooves on the OneGuide template with the grooves on the driver</li> <li><b>Sold as an individual item</b></li> <li>*P = Platform</li> </ul> | F3.5/F4.0/4.5 | Mini<br>Regular Hole (Ø5.1)    | HOGFDR50S |  |   |
|  | F5.0          | Regular<br>Wide Hole (Ø5.8)    | HOGFDR57S |   |  |
|  | F5.0          | Wide<br>Extra Wide Hole (Ø6.8) | HOGFDW67S |   |   |

# OneGuide Kit Surgical Kit Instruments

| OneGuide Path Drill   |    |      |                     |                  |             |
|---|----|------|---------------------|------------------|-------------|
| Description   | L  |      | Regular Hole (Ø5.1) | Wide Hole (Ø5.8) | Image/Guide |
| <ul style="list-style-type: none"> <li>• Drill for correcting path deviation during OneGuide surgery</li> <li>• Used for creating implant placement path for extraction cases</li> <li>• Flat blade design optimized for cutting inclined bone</li> <li>• 4 types for each Oneguide hole diameter, 8 types in total: Regular hole (Ø5.1) / Wide hole (Ø5.8)</li> <li>• For 13mm drills, depth is adjusted according to the black lines</li> <li>• Recommended speed: 1,200 ~ 1,500 rpm</li> </ul> | 7  | Ø2.5 | HOGSD2507           | HOGSD2507WC      |             |
|   |    | Ø3.0 | HOGSD3007           | HOGSD3007WC      |             |
|   | 13 | Ø2.5 | HOGSD2513           | HOGSD2513WC      |             |
|   |    | Ø3.0 | HOGSD3013           | HOGSD3013WC      |             |

| Anchor Screw   |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>• Used to affix the OneGuide firmly</li> <li>• Selectable at the preoperative planning stage</li> </ul> | HQGAS18   |       |

| Anchor Drill  |           |       |
|---|-----------|-------|
| Description   | Item Code | Image |
| <ul style="list-style-type: none"> <li>• Used for drilling before using anchor screw</li> <li>• Recommended speed: 800 ~ 1,200 rpm</li> </ul> | HQGATD13  |       |

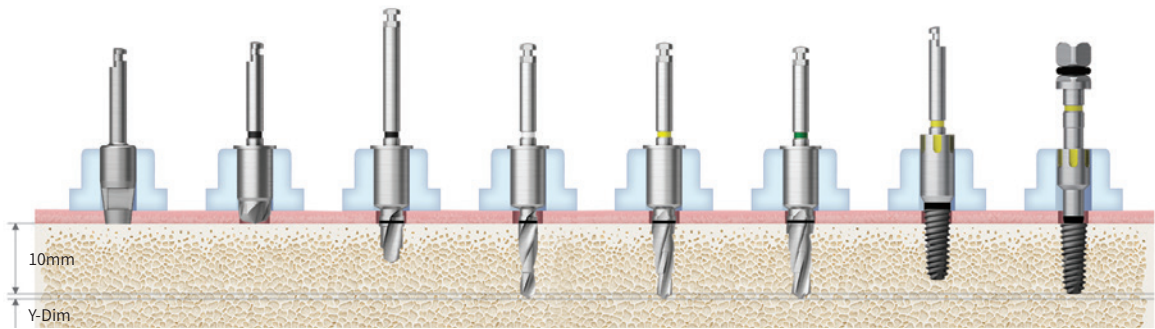
| OneGuide Anchor Driver (Mount Driver)  |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>• Used to place anchor screw</li> </ul> | HASMDS    |       |

# Drilling Sequence OneGuide Drill

**EKIII | ETIII**

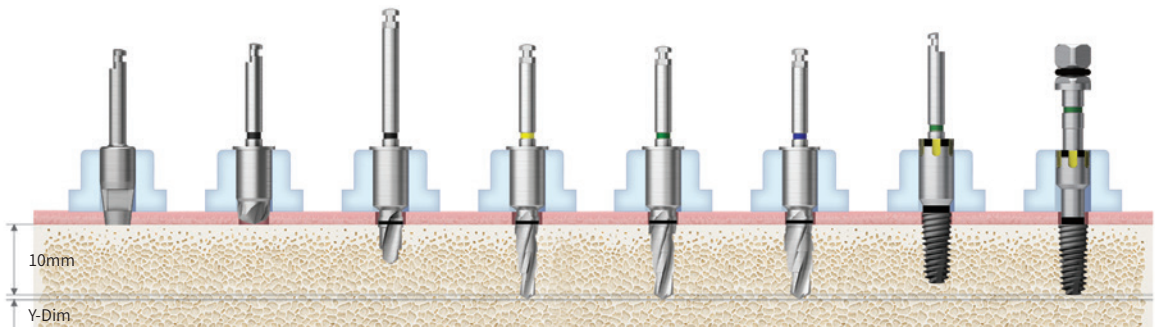
(Length: 10mm)

## Ø3.5



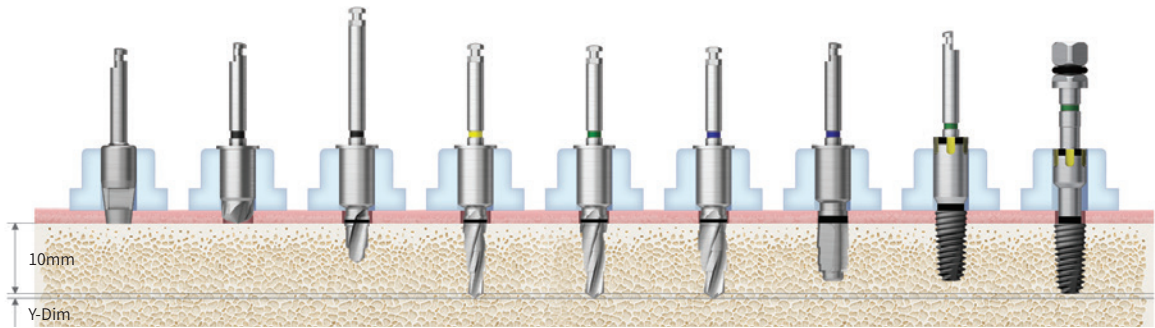
| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (Ø2.2) | Drill (F3.5) | Drill (F4.0) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | (F3.5 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                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | ▶            |              |              |                               |                   |
| Normal       | ▶            | (▶)              | ▶             | ▶            | ▶            |              | Implant Placement (Up to 80%) | Implant Placement |
| Hard         | ▶            | (▶)              | ▶             | ▶            |              | ▶            |                               |                   |

## Ø4.5



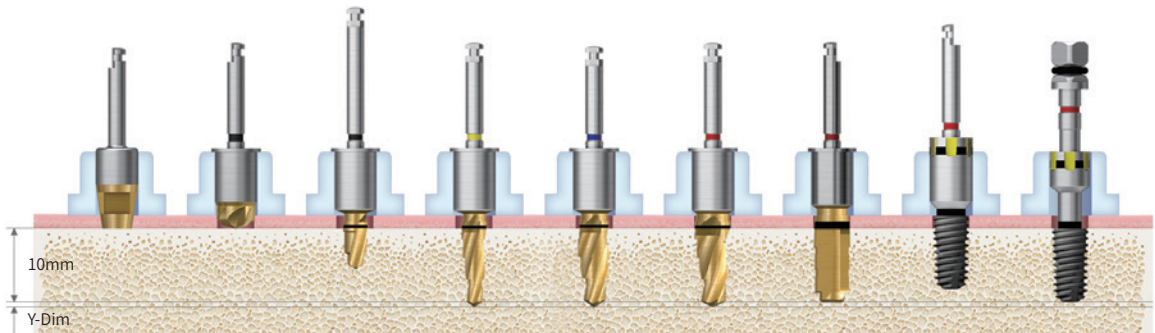
| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (F3.5) | Drill (F4.0) | Drill (F4.5) | Cortical (F4.5) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-----------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | ▶            | ▶            |              |                 |                               |                   |
| Normal       | ▶            | (▶)              | ▶             | ▶            |              | ▶            |                 | Implant Placement (Up to 80%) | Implant Placement |
| Hard         | ▶            | (▶)              | ▶             | ▶            |              | ▶            | ▶               |                               |                   |

# Drilling Sequence OneGuide Drill

**EKIII | ETIII**

(Length: 10mm)

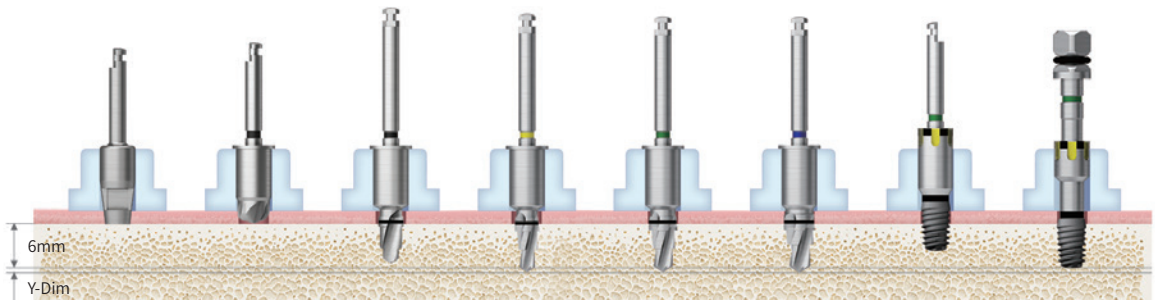
**Ø5.0**



| Bone Quality | Tissue Punch (W) | Flattening Drill (W) | Initial Drill (W) | Drill (W) (F3.5) | Drill (W) (F4.5) | Drill (W) (F5.0) | Cortical (W) (F5.0) | Nomount Driver                | Implant Driver    |
|--------------|------------------|----------------------|-------------------|------------------|------------------|------------------|---------------------|-------------------------------|-------------------|
| Soft         | ▶                | (▶)                  | ▶                 | ▶                | ▶                |                  |                     |                               |                   |
| Normal       | ▶                | (▶)                  | ▶                 | ▶                |                  | ▶                |                     | Implant Placement (Up to 80%) | Implant Placement |
| Hard         | ▶                | (▶)                  | ▶                 | ▶                |                  | ▶                |                     |                               |                   |

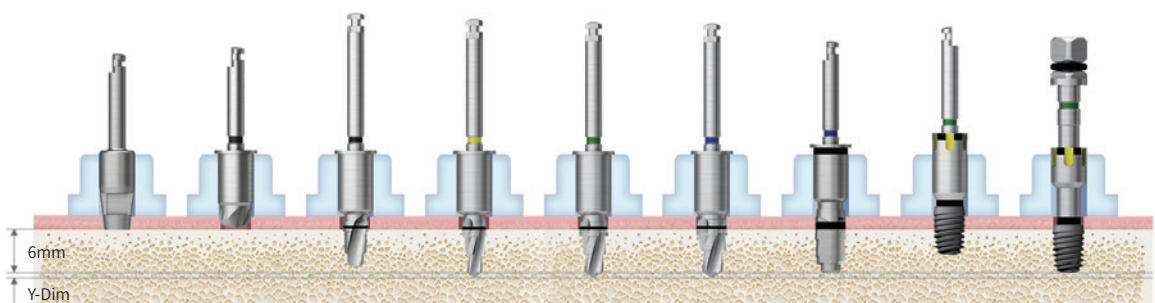
※ For extra short implants (Ø4.0, Ø4.5 / 6mm) only

**Ø4.0**



| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (F3.5) | Drill (F4.0) | Drill (F4.5) | Cortical (F4.5) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-----------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | F3.5x6       |              |              |                 |                               |                   |
| Normal       | ▶            | (▶)              | ▶             | F3.5x6       | F4.0x6       |              |                 | Implant Placement (Up to 80%) | Implant Placement |
| Hard         | ▶            | (▶)              | ▶             | F3.5x6       |              | F4.5x6       |                 |                               |                   |

**Ø4.5**

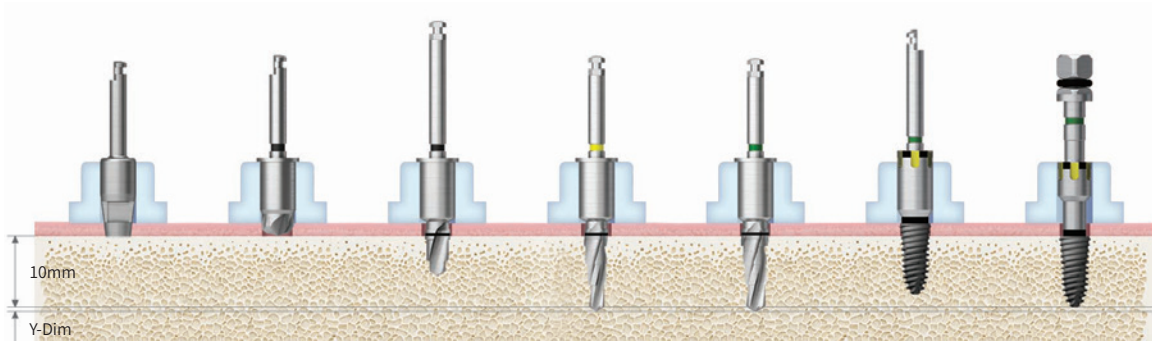


| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (F3.5) | Drill (F4.0) | Drill (F4.5) | Cortical (F4.5) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-----------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | F3.5x6       | F4.0x6       |              |                 |                               |                   |
| Normal       | ▶            | (▶)              | ▶             | F3.5x6       |              | F4.5x6       |                 | Implant Placement (Up to 80%) | Implant Placement |
| Hard         | ▶            | (▶)              | ▶             | F3.5x6       |              | F4.5x6       | F4.5x6~8.5      |                               |                   |

# ETIV

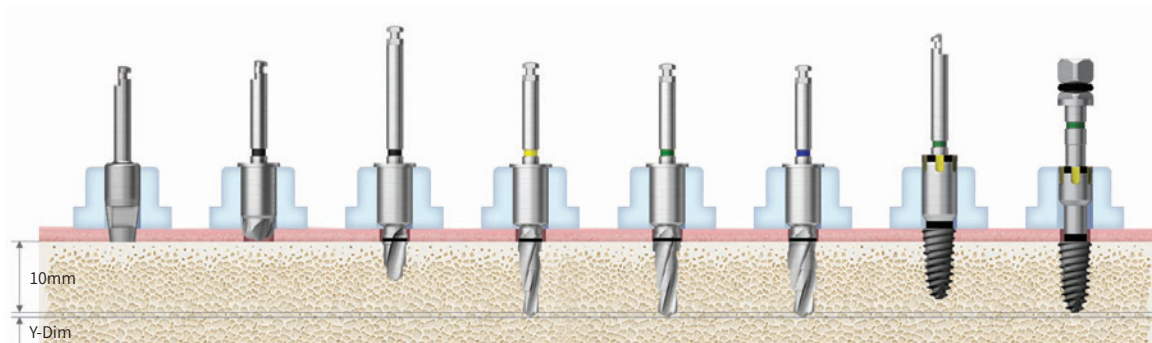
(Length: 10mm)

## Ø4.0



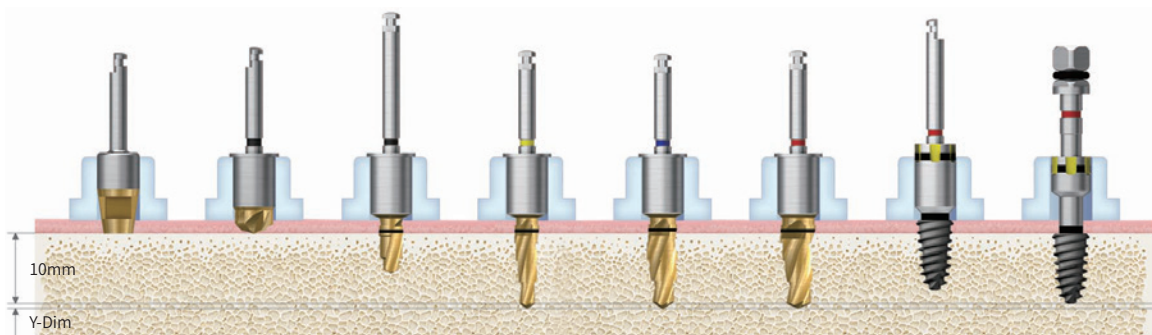
| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (F3.5) | Drill (F4.0) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | ▶            |              | Implant Placement (Up to 80%) | Implant Placement |
| Normal       | ▶            | (▶)              | ▶             | ▶            | ▶            |                               |                   |

## Ø4.5



| Bone Quality | Tissue Punch | Flattening Drill | Initial Drill | Drill (F3.5) | Drill (F4.0) | Drill (F4.5) | Nomount Driver                | Implant Driver    |
|--------------|--------------|------------------|---------------|--------------|--------------|--------------|-------------------------------|-------------------|
| Soft         | ▶            | (▶)              | ▶             | ▶            | ▶            |              | Implant Placement (Up to 80%) | Implant Placement |
| Normal       | ▶            | (▶)              | ▶             | ▶            |              | ▶            |                               |                   |

## Ø5.0



| Bone Quality | Tissue Punch (W) | Flattening Drill (W) | Initial Drill (W) | Drill (W) (F3.5) | Drill (W) (F4.5) | Drill (W) (F5.0) | Nomount Driver                | Implant Driver    |
|--------------|------------------|----------------------|-------------------|------------------|------------------|------------------|-------------------------------|-------------------|
| Soft         | ▶                | (▶)                  | ▶                 | ▶                | ▶                |                  | Implant Placement (Up to 80%) | Implant Placement |
| Normal       | ▶                | (▶)                  | ▶                 | ▶                |                  | ▶                |                               |                   |

**HIOSSEN**  
IMPLANT

# OneCAS Kit (HOCK)

For

EKIII

ETIII/IV

Top panel components

Lower panel components

**Hydraulic Membrane Lifter Tube**  
SNMT



**Bone Condenser**  
SNBC1114



**Depth Gauge**  
HCDG



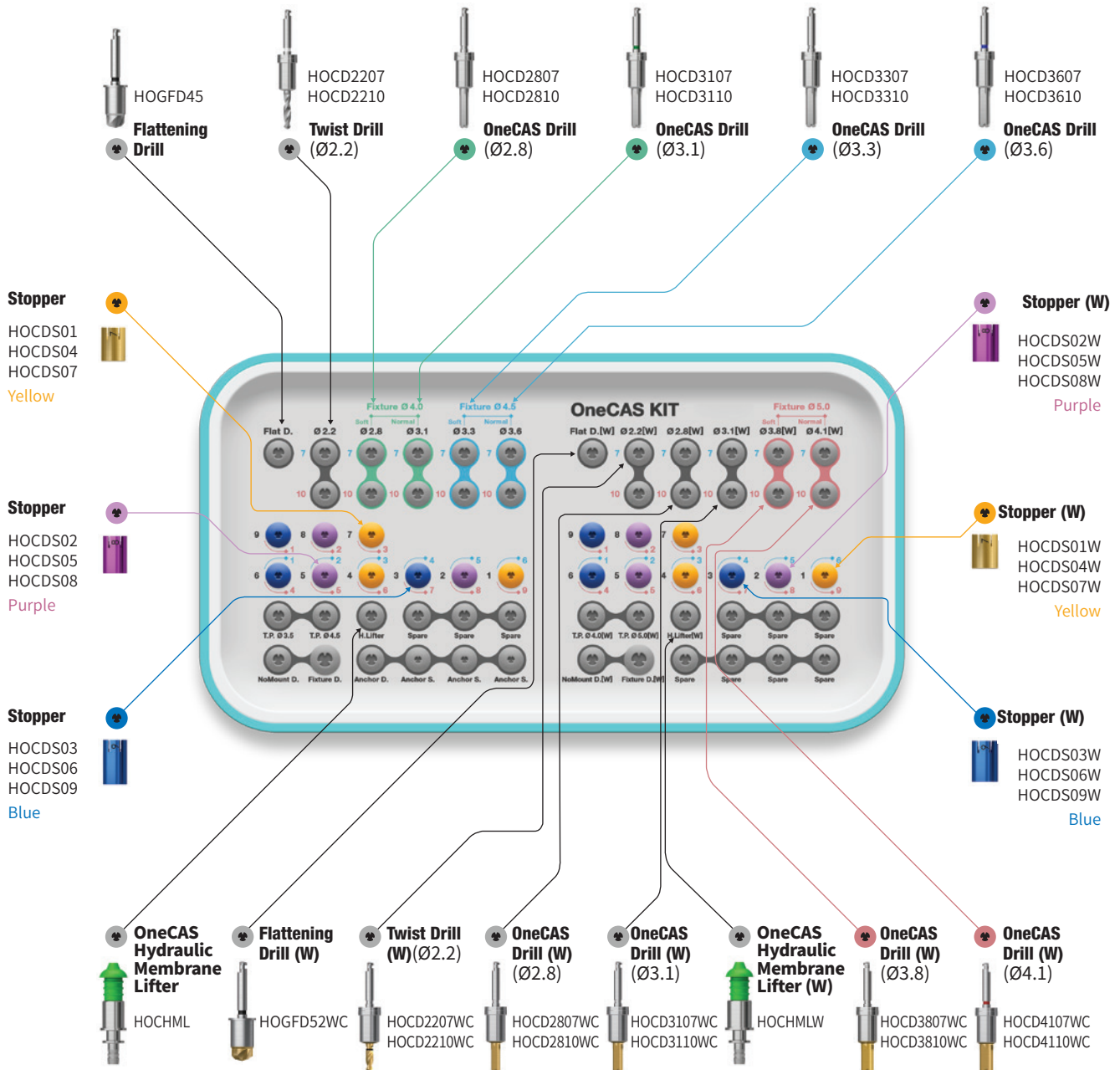
**Bone Carrier Head**  
SNBCH30



**Depth Gauge(W)**  
HCDGW

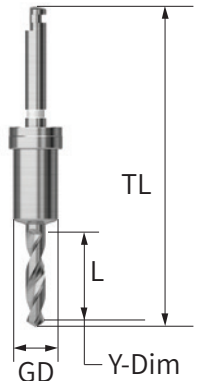


**Bone Carrier**  
SNBCS35

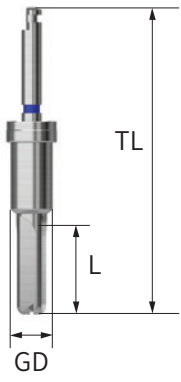


# OneCAS Kit Surgical Kit Instruments

| OneCAS Twist Drill  |    |                 |  |                 |  |
|---|----|-----------------|--|-----------------|--|
| <ul style="list-style-type: none"> <li>Recommended to drill 1mm under the lower margin of maxillary sinus</li> <li>Used with a stopper for a safe membrane approach</li> <li>1mm shorter than a normal Twist Drill</li> <li>Recommended speed: 400 ~ 1,200 rpm</li> </ul> |    |                 |  |                 |  |
|   |    | <b>F4.0/4.5</b> |  | <b>F5.0 (W)</b> |  |
| Y-Dim   |    | 0.6             |  |                 |  |
| GD  |    | 5.0             |  | 5.7             |  |
| TL  | L  | D/Ø             |  |                 |  |
| 33.2  | 7  | Ø2.2            |  | HOCD2207        |  |
| 36.2  | 10 |                 |  | HOCD2210        |  |












| OneCAS Twist Drill  |      |             |             |             |             |
|---|------|-------------|-------------|-------------|-------------|
| <ul style="list-style-type: none"> <li>Used with the stopper of OneCAS system</li> <li>The membrane is safely lifted during maxillary sinus surgery</li> <li>Possible to collect autogenous bone at low RPM's</li> <li>Use a stopper for a safe membrane approach</li> <li>Final drill diameter selection based on bone quality</li> <li>Recommended rpm: 400~800rpm</li> </ul> |      |             |             |             |             |
| <b>F4.0/4.5</b>   |      | <b>Ø2.8</b> | <b>Ø3.1</b> | <b>Ø3.3</b> | <b>Ø3.6</b> |
| L   | TL   | 5.0         |             |             |             |
| 7   | 33.6 | HOCD2807    | HOCD3107    | HOCD3307    | HOCD3607    |
| 10  | 36.1 | HOCD2810    | HOCD3110    | HOCD3310    | HOCD3610    |
| <b>F5.0 (W)</b>   |      | <b>Ø2.8</b> | <b>Ø3.1</b> | <b>Ø3.8</b> | <b>Ø4.1</b> |
| L   | TL   | 5.0         |             |             |             |
| 7   | 33.6 | HOCD2807WC  | HOCD3107WC  | HOCD3807WC  | HOCD4107WC  |
| 10  | 36.6 | HOCD2810WC  | HOCD3110WC  | HOCD3810WC  | HOCD4110WC  |



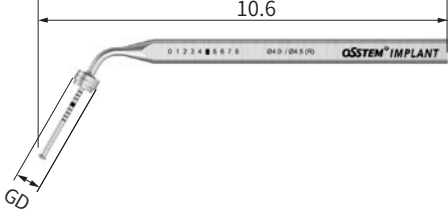
# OneCAS Kit Surgical Kit Instruments

## OneCAS Stopper

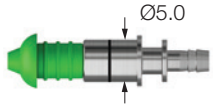
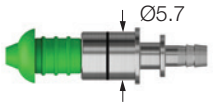
- Stopper number indicates the length when engaged
- On the kit, protruding length marked in blue for 7mm drills and in red for 10mm drills
- Color coded by length
- Recommended number of use: 50 times


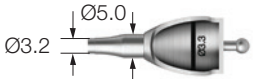

| Diameter        | 1   | 2   | 3   | 4   | 5   | 6  | 7   | 8   | 9   |
|-----------------|---|---|---|---|---|--|---|---|---|
|                 |  |  |  |  |  |  |  |  |  |
| <b>F4.0/4.5</b> | HOCD01  | HOCD02  | HOCD03  | HOCD04  | HOCD05  | HOCD06   | HOCD07  | HOCD08  | HOCD09  |
| <b>F5.0 (W)</b> | HOCD01W   | HOCD02W   | HOCD03W   | HOCD04W   | HOCD05W   | HOCD06W  | HOCD07W   | HOCD08W   | HOCD09W   |
| Color           | Yellow  | Purple  | Blue  | Yellow  | Purple  | Blue   | Yellow  | Purple  | Blue  |


## Depth Gauge

| Description   |    | F4.0/4.5 | F5.0 (W) | Image/Guide  |
|---|----|----------|----------|--|
|   | GD | 5.0      | 5.7      |  |
| <ul style="list-style-type: none"> <li>• Checks for internal sinus lift</li> <li>• Measures residual bone depth</li> <li>• Use with a stopper for safer approach</li> <li>• Same depth marking lines as a 10mm drill</li> </ul> |    | HCDG     | HCDGW    |  |

# OneCAS Kit Surgical Kit Instruments

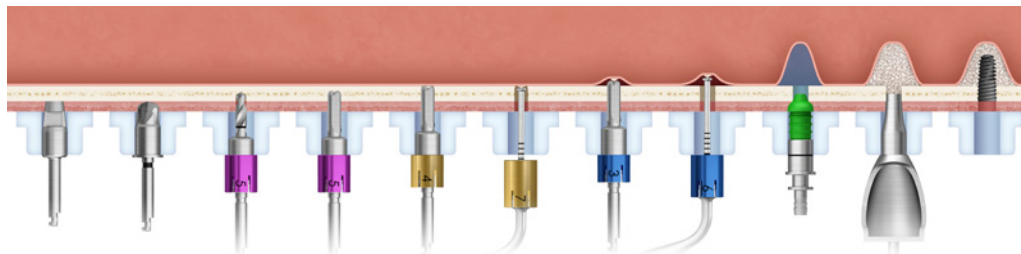
| Hydraulic Membrane Lifter  |                               |           |   |
|--|-------------------------------|-----------|---|
| Description  | D/Ø                           | Item code | Image/Guide   |
| <ul style="list-style-type: none"> <li>Dedicated bone delivery instrument for the OneCAS Kit</li> <li>Inserted into the OneGuide hole following initial marking and drilling</li> <li>Thin-wall design optimizes sealing during flapless procedures</li> </ul> | <b>Regular</b><br>Hole (Ø5.1) | OCHML     |  |
|  | <b>Wide</b><br>Hole (Ø5.8)    | OCHMLW    |  |

| Bone Carrier Head  |                               |           |   |
|--|-------------------------------|-----------|---|
| Description  | D/Ø                           | Item code | Image/Guide   |
| <ul style="list-style-type: none"> <li>Dedicated bone delivery instrument for the OneCAS Kit</li> <li>Inserted and fixed up to the end of the OneGuide hole during use</li> <li>OCBCH30: Used after OneCAS drill Ø3.1</li> <li>OCBCH32: Used after OneCAS drill Ø3.3 / Ø3.6</li> <li>CBCH37W: Used after OneCAS drill Ø3.8 / Ø4.1</li> <li>After filling bone material up to the head marking line, use with a bone condenser to completely deliver bone into the sinus cavity, then repeat as needed</li> </ul> | <b>Regular</b><br>Hole (Ø5.1) | OCBCH30   |    |
|  |                               | OCBCH32   |   |
|  | <b>Wide</b><br>Hole (Ø5.8)    | OCBCH37W  |  |

| Bone Carrier  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Dedicated bone delivery instrument for the OneCAS KIT</li> <li>The head is secured by tightening the rear handle of the body</li> <li>The head can be replaced and used interchangeably</li> </ul> | OCBCS30   |  |

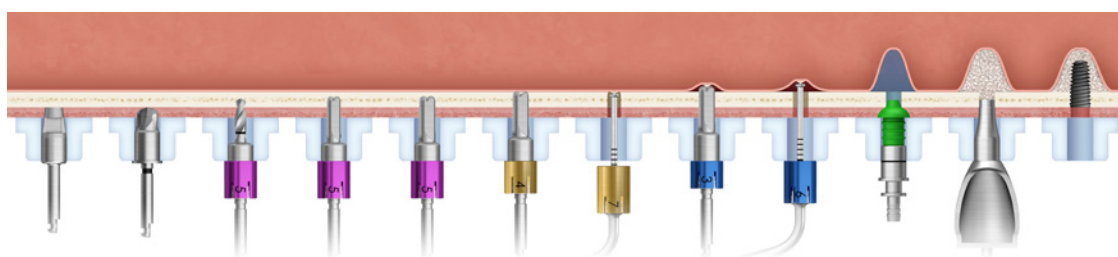
# Drilling Sequence OneCAS Kit

Residual Bone **3mm**  
**Ø4.0**



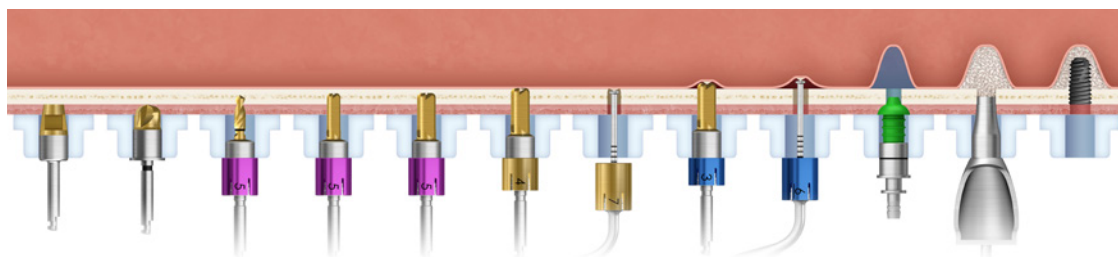
| Bone Quality | Tissue Punch | Flattening Drill | Twist Drill (Ø2.2x7) | OneCAS Drill | OneCAS Drill | Depth Gauge | OneCAS Drill | Depth Gauge | Hydraulic Lifter | Bone Carrier | Implant |
|--------------|--------------|------------------|----------------------|--------------|--------------|-------------|--------------|-------------|------------------|--------------|---------|
| Soft         | ▶            | ▶                | ▶                    | Ø2.8x7       | Ø2.8x7       | ▶           | Ø2.8x7       | ▶           | ▶                | ▶            | ▶       |
| Normal       | ▶            | ▶                | ▶                    | Ø3.1x7       | Ø3.1x7       | ▶           | Ø3.1x7       | ▶           | ▶                | ▶            | ▶       |
| Stopper      |              |                  | 5                    | 5            | 4            | 7           | 3            | 6           |                  |              |         |

Residual Bone **3mm**  
**Ø4.5**



| Bone Quality | Tissue Punch | Flattening Drill | Twist Drill (Ø2.2x7) | OneCAS Drill | OneCAS Drill | OneCAS Drill | Depth Gauge | OneCAS Drill | Depth Gauge | Hydraulic Lifter | Bone Carrier | Implant |
|--------------|--------------|------------------|----------------------|--------------|--------------|--------------|-------------|--------------|-------------|------------------|--------------|---------|
| Soft         | ▶            | ▶                | ▶                    | Ø2.8x7       | Ø3.3x7       | Ø3.3x7       | ▶           | Ø3.3x7       | ▶           | ▶                | ▶            | ▶       |
| Normal       | ▶            | ▶                | ▶                    | Ø3.1x7       | Ø3.6x7       | Ø3.6x7       | ▶           | Ø3.6x7       | ▶           | ▶                | ▶            | ▶       |
| Stopper      |              |                  | 5                    | 5            | 5            | 4            | 7           | 3            | 6           |                  |              |         |

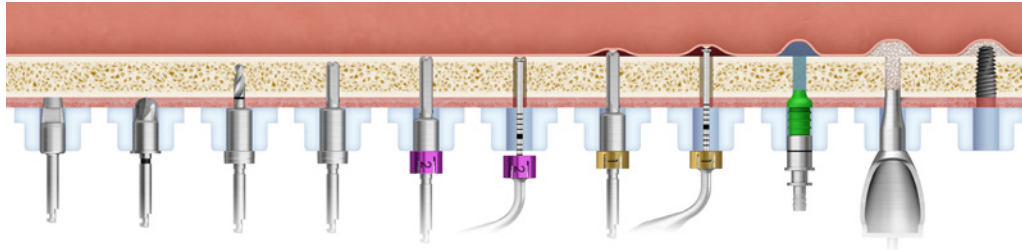
Residual Bone **3mm**  
**Ø5.0**



| Bone Quality | Tissue Punch(W) | Flattening Drill(W) | Twist Drill (Ø2.2x7)(W) | OneCAS Drill(W) | OneCAS Drill(W) | OneCAS Drill(W) | Depth Gauge(W) | OneCAS Drill(W) | Depth Gauge(W) | Hydraulic Lifter(W) | Bone Carrier(W) | Implant |
|--------------|-----------------|---------------------|-------------------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|---------------------|-----------------|---------|
| Soft         | ▶               | ▶                   | ▶                       | Ø2.8x7          | Ø3.8x7          | Ø3.8x7          | ▶              | Ø3.8x7          | ▶              | ▶                   | ▶               | ▶       |
| Normal       | ▶               | ▶                   | ▶                       | Ø3.1x7          | Ø4.1x7          | Ø4.1x7          | ▶              | Ø4.1x7          | ▶              | ▶                   | ▶               | ▶       |
| Stopper (W)  |                 |                     | 5                       | 5               | 5               | 4               | 7              | 3               | 6              |                     |                 |         |

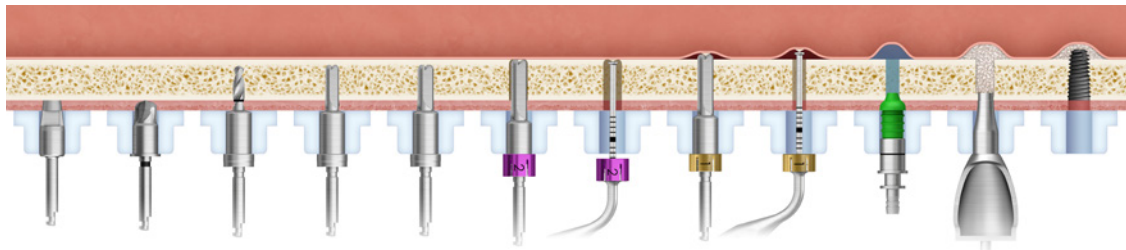
# Drilling Sequence OneCAS Kit

Residual Bone 8mm  
**Ø4.0**



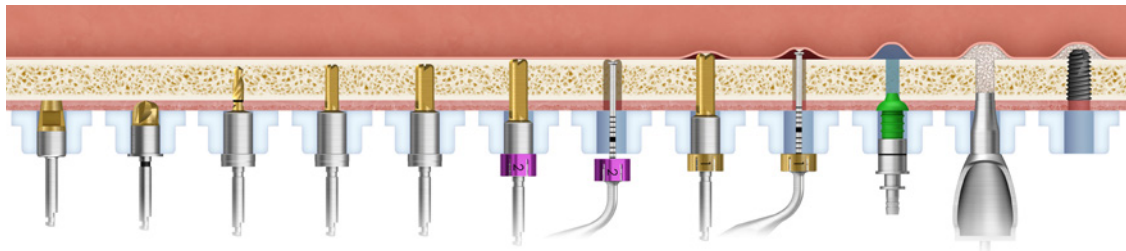
| Bone Quality | Tissue Punch | Flattening Drill | Twist Drill (Ø2.2x7) | OneCAS Drill | OneCAS Drill | Depth Gauge | OneCAS Drill | Depth Gauge | Hydraulic Lifter | Bone Carrier | Implant |
|--------------|--------------|------------------|----------------------|--------------|--------------|-------------|--------------|-------------|------------------|--------------|---------|
| Soft         | ▶            | ▶                | ▶                    | Ø2.8x7       | Ø2.8x10      | ▶           | Ø2.8x10      | ▶           | ▶                | ▶            | ▶       |
| Normal       | ▶            | ▶                | ▶                    | Ø3.1x7       | Ø3.1x10      | ▶           | Ø3.1x10      | ▶           | ▶                | ▶            | ▶       |
| Stopper      |              |                  |                      |              | 2            | 2           | 1            | 1           |                  |              |         |

Residual Bone 8mm  
**Ø4.5**



| Bone Quality | Tissue Punch | Flattening Drill | Twist Drill (Ø2.2x7) | OneCAS Drill | OneCAS Drill | OneCAS Drill | Depth Gauge | OneCAS Drill | Depth Gauge | Hydraulic Lifter | Bone Carrier | Implant |
|--------------|--------------|------------------|----------------------|--------------|--------------|--------------|-------------|--------------|-------------|------------------|--------------|---------|
| Soft         | ▶            | ▶                | ▶                    | Ø2.8x7       | Ø3.3x7       | Ø3.3x10      | ▶           | Ø3.3x10      | ▶           | ▶                | ▶            | ▶       |
| Normal       | ▶            | ▶                | ▶                    | Ø3.1x7       | Ø3.6x7       | Ø3.6x10      | ▶           | Ø3.6x10      | ▶           | ▶                | ▶            | ▶       |
| Stopper      |              |                  |                      |              |              | 2            | 2           | 1            | 1           |                  |              |         |

Residual Bone 8mm  
**Ø5.0**



| Bone Quality | Tissue Punch(W) | Flattening Drill(W) | Twist Drill (Ø2.2x7)(W) | OneCAS Drill(W) | OneCAS Drill(W) | OneCAS Drill(W) | Depth Gauge(W) | OneCAS Drill(W) | Depth Gauge(W) | Hydraulic Lifter(W) | Bone Carrier(W) | Implant |
|--------------|-----------------|---------------------|-------------------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|---------------------|-----------------|---------|
| Soft         | ▶               | ▶                   | ▶                       | Ø2.8x7          | Ø3.8x7          | Ø3.8x10         | ▶              | Ø3.8x10         | ▶              | ▶                   | ▶               | ▶       |
| Normal       | ▶               | ▶                   | ▶                       | Ø3.1x7          | Ø4.1x7          | Ø4.1x10         | ▶              | Ø4.1x10         | ▶              | ▶                   | ▶               | ▶       |
| Stopper (W)  |                 |                     |                         |                 |                 | 2               | 2              | 1               | 1              |                     |                 |         |

# OneEM Kit (HOMSK)

For

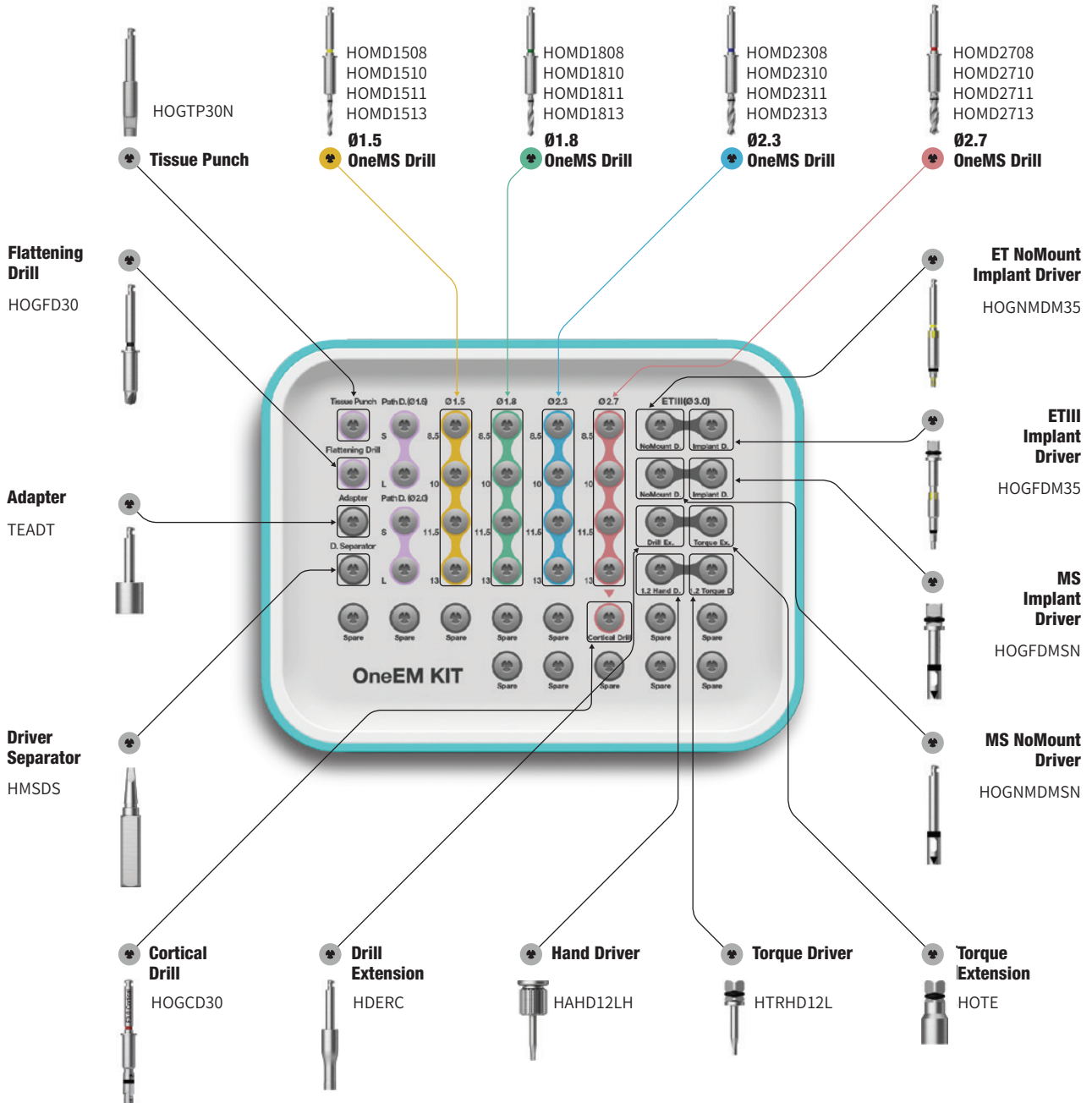
- EKIII
- ETIII/IV
- EM(MS)

Top panel components


**Torque Wrench**  
TQWCB

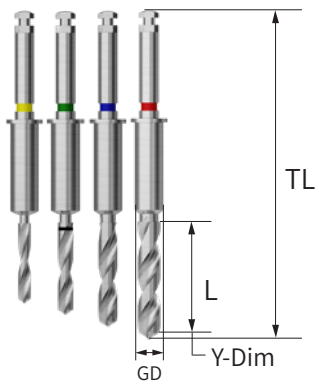


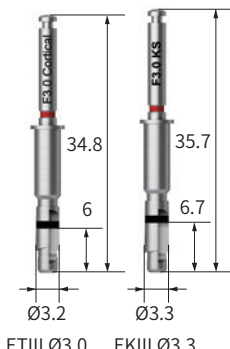
**Depth Gauge**  
HMDTGG

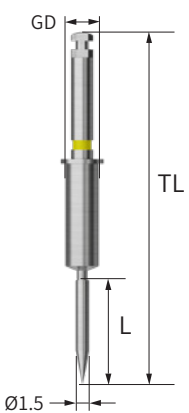


# OneEM Kit Surgical Kit Instruments

| OneGuide Template   |   |
|---|---|
| Description/Item code   | Image/Guide   |
| <ul style="list-style-type: none"> <li>Two sizes of guide holes depending on the diameter of the implant                             <ul style="list-style-type: none"> <li>- D5.0 for implant diameters: F3.5/4.0/4.5</li> <li>- D5.8 for implant diameter: F5.0</li> </ul> </li> <li>Dual contact feature ensures excellent accuracy in positioning and stability</li> <li>Simple drilling sequence by adopting 122 Taper Kit concepts</li> <li>Packing unit: surgical guide                             <ul style="list-style-type: none"> <li>(optional: SmartFit abutment, Temporary Crown)</li> </ul> </li> </ul> |  |

| OneEM Drill  |      |     |             |          |          |          |  |  |  |  |
|--|------|-----|-------------|----------|----------|----------|--|--|--|--|
| Description/Item code  |      |     | Image/Guide |          |          |          |  |  |  |  |
| <ul style="list-style-type: none"> <li>Straight type drills for EM implant / ETIII Ø3.2 implants (EM Ø2.0 ~ Ø3.0 / ETIII Ø3.2 implants)</li> <li>OneMS Cortical Drill is used for placing ETIII Ø3.2 implants in hard bones</li> <li>Start with 8.5mm drill for stable drilling</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> |      |     |             |          |          |          |  |  |  |  |
| L  | TL   | D/Ø | Ø1.5        | Ø1.8     | Ø2.3     | Ø2.7     |  |  |  |  |
|  |      | GD  | 0.6         | 0.6      | 0.6      | 0.6      |  |  |  |  |
| 8.5  | 37.5 |     | HOMD1508    | HOMD1808 | HOMD2308 | HOMD2708 |  |  |  |  |
| 10   | 39   |     | HOMD1510    | HOMD1810 | HOMD2310 | HOMD2710 |  |  |  |  |
| 11.5   | 40.5 |     | HOMD1511    | HOMD1811 | HOMD2311 | HOMD2711 |  |  |  |  |
| 13   | 42   |     | HOMD1513    | HOMD1813 | HOMD2313 | HOMD2713 |  |  |  |  |
| Color  |      |     | Yellow      | Green    | Blue     | Pink     |  |  |  |  |

| OneEM Cortical Drill   |   |
|--|---|
| Description/Item code  | Image   |
| <ul style="list-style-type: none"> <li>Used to remove cortical bone in hard bone</li> <li>Used for expanding the cortical bone after using the Straight Drill (ETIII Ø3.0 only)</li> <li>Recommended speed: 800 ~ 1,200 rpm</li> </ul> |  |
| ETIII Ø3.0   | EKIII Ø3.3  |
| HOGCD30  | HOGCD30K  |

| OneEM Lance Drill  |      |     |             |   |
|--|------|-----|-------------|---|
| Description/Item code  |      |     | Image/Guide |   |
| <ul style="list-style-type: none"> <li>Creates holes in the bone to facilitate initial drilling</li> <li>Bone density can be determined through drilling</li> <li>Single item (excluded from OneMS Kit)</li> </ul> |      |     |             |  |
| L  | TL   | D/Ø | Ø1.5        |   |
| 8.5  | 37.5 |     | HOMLD1508   |   |
| 10   | 39   |     | HOMLD1510   |   |
| 11.5   | 40.5 |     | HOMLD1511   |   |
| 13   | 42   |     | HOMLD1513   |   |

# OneEM Kit Surgical Kit Instruments

| Flattening Drill   |       |
|--|-------|
| Description/Item code  | Image |
| <ul style="list-style-type: none"> <li>Used for narrow or uneven ridges</li> <li>Cutting edge design allows for stable bone removal</li> </ul> |       |
| HOGFD30  |       |

| Driver Separator  |       |
|---|-------|
| Description/Item code   | Image |
| <ul style="list-style-type: none"> <li>Used in case a driver is wedged with the implant during insertion</li> <li>Insert the Driver Separator into the driver groove to loosen it from the implant</li> </ul> |       |
| HMSDS   |       |

| Tissue Punch   |       |
|--|-------|
| Description/Item code  | Image |
| <ul style="list-style-type: none"> <li>Used to remove gingiva to continue with flapless surgery</li> </ul> |       |
| HOGTP30N   |       |

| OneEM Driver   |                |
|--|----------------|
| Description  | Image          |
| <ul style="list-style-type: none"> <li>Used with the torque wrench for adjustment of the final implant placement for MS implant narrow ridge</li> <li>Match the mark with the implant</li> </ul> |                |
| <b>F2.0/2.5/3.0</b>  |                |
| <b>NoMount Driver</b>  | HOGMDMSN       |
| <b>Implant Driver</b>  | HOGFDMSN       |
| Nomount driver   | implant driver |

| Implant Driver  |                |
|---|----------------|
| Description   | Image          |
| <ul style="list-style-type: none"> <li>Used with the torque wrench for adjustment of the final implant placement</li> <li>Yellow grooves aligns with abutment hex direction</li> <li>Match the groove of OneGuide template with the groove of driver</li> <li>C = Connection</li> </ul> |                |
| <b>ET Ø3.2</b>  | <b>EK Ø3.3</b> |
| HOGFDM35  | OGFDM35K       |

| NoMount Driver  |                |
|---|----------------|
| Description   | Image          |
| <ul style="list-style-type: none"> <li>Used with the torque wrench for adjustment of the final implant placement</li> <li>Yellow grooves aligns with abutment hex direction</li> <li>Match the groove of OneGuide template with the groove of driver</li> <li>C = Connection</li> </ul> |                |
| <b>ET Ø3.2</b>  | <b>EK Ø3.3</b> |
| HOGNMDM35   | OGNMDM35K      |

| Adapter  |       |
|--|-------|
| Description/Item code  | Image |
| <ul style="list-style-type: none"> <li>Use as a torque driver to connecting to the engine</li> </ul> |       |
| TEADT  |       |

| OneEM Path Drill   |     |           |           |
|--|-----|-----------|-----------|
| Description  |     | Image     |           |
| <ul style="list-style-type: none"> <li>Used for correcting path deviation</li> <li>Can establish implant placement path during surgery</li> <li>For inclined bone cutting with a flat blade design</li> <li>For the 13mm specification, depth adjustment follows marking lines: upper line (11.5mm), middle line (10mm), lower line (8.5mm)</li> <li>Recommended speed: 1,200~1,500 rpm</li> </ul> |     |           |           |
| L  | D/Ø | Ø1.5      | Ø2.0      |
| 7.0  |     | HOMSD1507 | HOMSD2007 |
| 13.0   |     | HOMSD1513 | HOMSD2013 |

# Drilling Sequence OneEM Drill

## EKIII | ETIII | EM

(Length: 10mm)

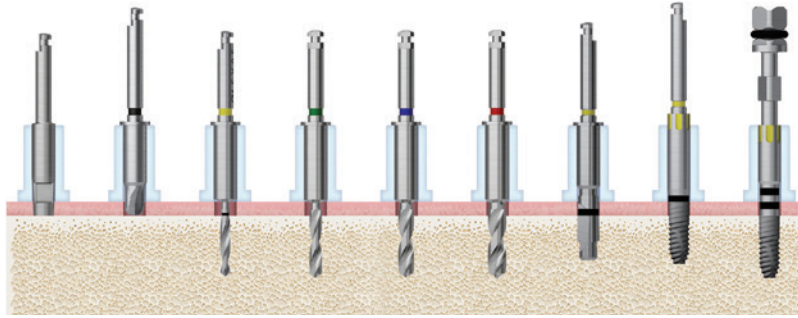
For Implant 10 / 11.5 / 13 mm sequences, an Ø8.5 mm drill must be used at each step

Ex. Ø2.5 × 11.5mm MS implant

:Tissue punch ► Flattening drill ► Ø1.8 × 8.5mm (mandatory pilot drilling) ► Ø1.8 × 11.5mm ► NoMount driver ► Implant driver

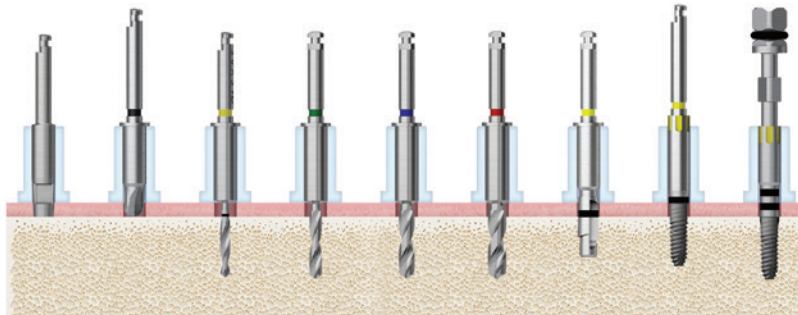
※ Ø1.5 drill (optional): may be selectively used for initial drilling when higher precision is required

### EKIII Ø3.0



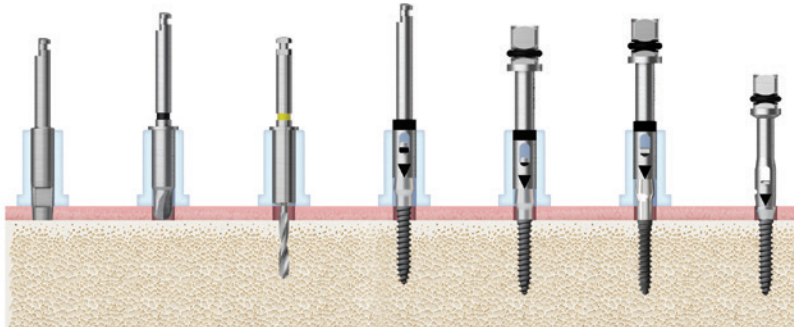
| Bone Quality | Tissue Punch | Flattening Drill | OneMS Drill (Ø1.5) | OneMS Drill (Ø1.8) | OneMS Drill (Ø2.3) | OneMS Drill (Ø2.7) | F3.0 Cortical Drill | NoMount Driver | Implant Driver |
|--------------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|---------------------|----------------|----------------|
| Soft         | ►            | (►)              | (►)                | ►                  | ►                  |                    |                     | ►              | ►              |
| Normal       | ►            | (►)              | (►)                | ►                  | ►                  | ►                  |                     | ►              | ►              |
| Hard         | ►            | (►)              | (►)                | ►                  | ►                  | ►                  | ►                   | ►              | ►              |

### ETIII Ø3.0



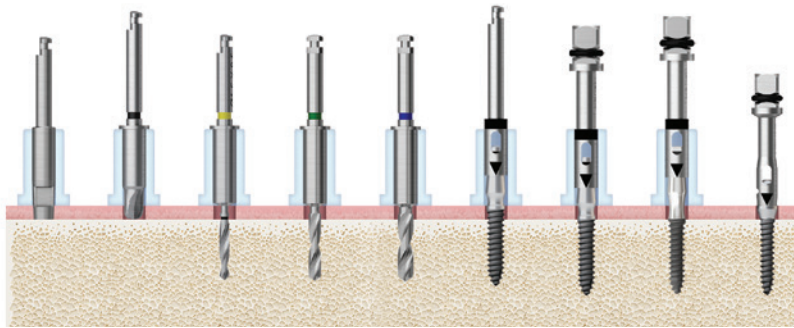
| Bone Quality | Tissue Punch | Flattening Drill | OneMS Drill (Ø1.5) | OneMS Drill (Ø1.8) | OneMS Drill (Ø2.3) | OneMS Drill (Ø2.7) | F3.0 Cortical Drill | NoMount Driver | Implant Driver |
|--------------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|---------------------|----------------|----------------|
| Soft         | ►            | (►)              | (►)                | ►                  | ►                  |                    |                     | ►              | ►              |
| Normal       | ►            | (►)              | (►)                | ►                  | ►                  | ►                  |                     | ►              | ►              |
| Hard         | ►            | (►)              | (►)                | ►                  | ►                  | ►                  | ►                   | ►              | ►              |

### EM Ø2.0



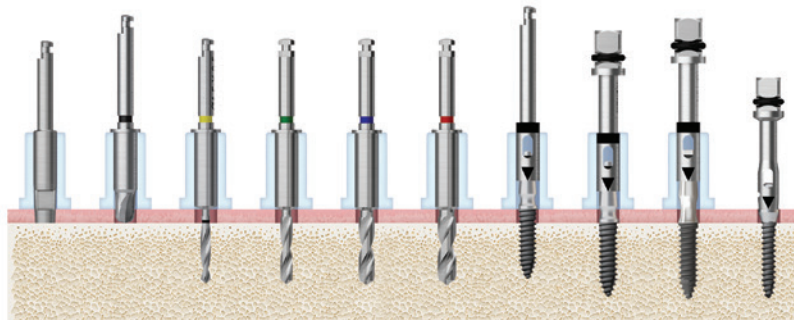
| Bone Quality | Tissue Punch | Flattening Drill | OneMS Drill (Ø1.5) | NoMount Driver | Implant Driver |         |         |
|--------------|--------------|------------------|--------------------|----------------|----------------|---------|---------|
|              |              |                  |                    |                | G/H 2.5        | G/H 4.0 | Denture |
| Soft         | ▶            | (▶)              | ▶                  | ▶              |                | ▶       |         |
| Normal       | ▶            | (▶)              | ▶                  | ▶              |                | ▶       |         |
| Hard         | ▶            | (▶)              | ▶                  | ▶              |                | ▶       |         |

### EM Ø2.5



| Bone Quality | Tissue Punch | Flattening Drill | OneMS Drill (Ø1.5) | OneMS Drill (Ø1.8) | OneMS Drill (Ø2.3) | NoMount Driver | Implant Driver |         |         |
|--------------|--------------|------------------|--------------------|--------------------|--------------------|----------------|----------------|---------|---------|
|              |              |                  |                    |                    |                    |                | G/H 2.5        | G/H 4.0 | Denture |
| Soft         | ▶            | (▶)              | (▶)                | ▶                  | -                  | ▶              |                | ▶       |         |
| Normal       | ▶            | (▶)              | (▶)                | ▶                  | -                  | ▶              |                | ▶       |         |
| Hard         | ▶            | (▶)              | (▶)                | ▶                  | (▶)                | ▶              |                | ▶       |         |

### EM Ø3.0

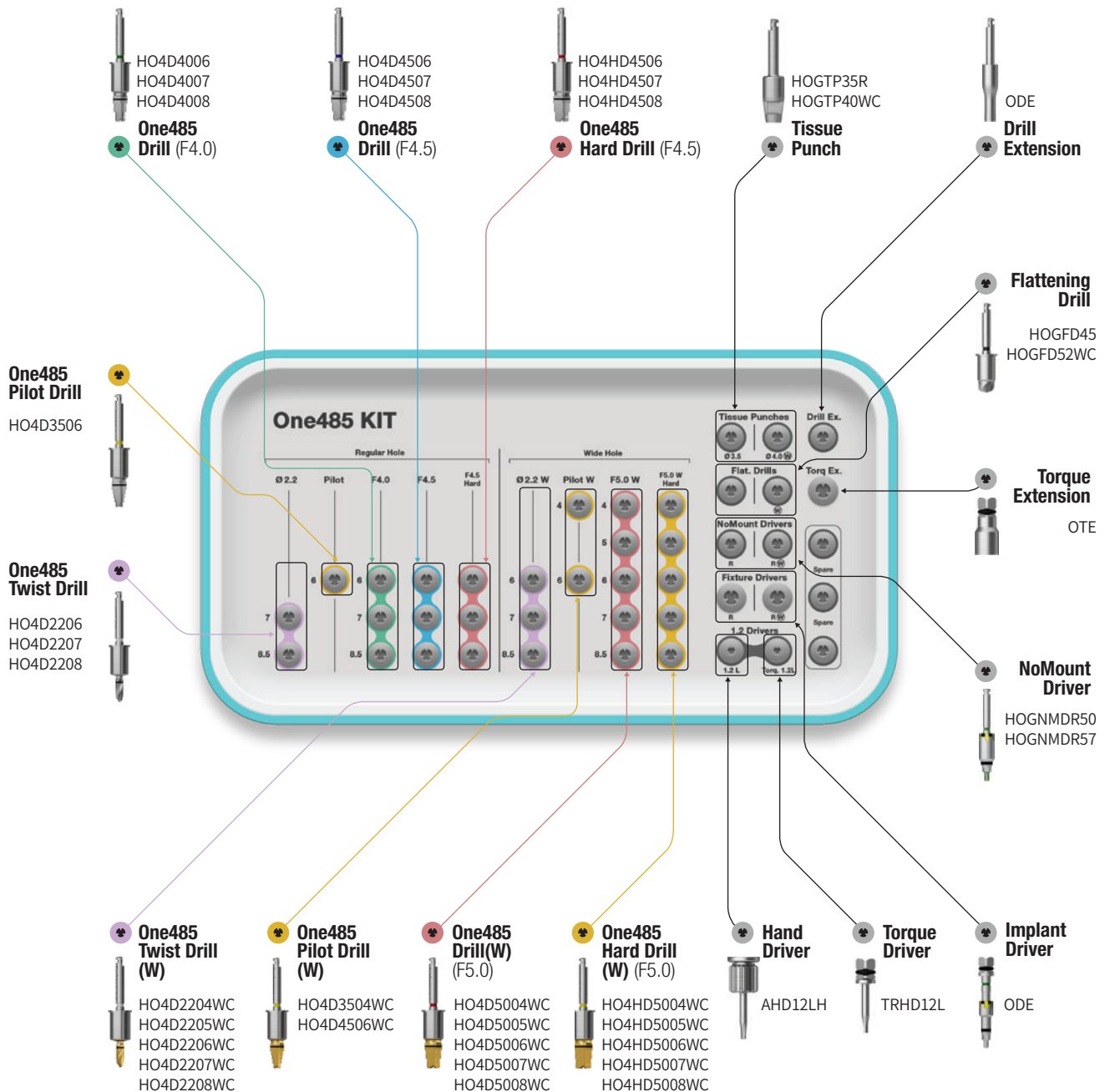
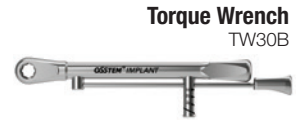


| Bone Quality | Tissue Punch | Flattening Drill | OneMS Drill (Ø1.5) | OneMS Drill (Ø1.8) | OneMS Drill (Ø2.3) | OneMS Drill (Ø2.7) | NoMount Driver | Implant Driver |         |         |
|--------------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|----------------|----------------|---------|---------|
|              |              |                  |                    |                    |                    |                    |                | G/H 2.5        | G/H 4.0 | Denture |
| Soft         | ▶            | (▶)              | (▶)                | ▶                  | -                  | -                  | ▶              |                | ▶       |         |
| Normal       | ▶            | (▶)              | (▶)                | ▶                  | -                  | -                  | ▶              |                | ▶       |         |
| Hard         | ▶            | (▶)              | (▶)                | ▶                  | ▶                  | (▶)                | ▶              |                | ▶       |         |

# One485 Kit (HO485K)

For

- EKIII
- ETIII/IV
- SSIII



# One485 Kit Surgical Kit Instruments

| One485 Twist Drill  |      |                                   |  |
|---|------|-----------------------------------|--|
| Description/Item code   |      |                                   | Image/Guide  |
| <ul style="list-style-type: none"> <li>Ensures initial drilling stability and secures the exact depth of the guide hole</li> <li>Straight design allows drilling to 1 mm shorter than the planned implant length</li> <li>Available in 8 configurations according to OneGuide hole diameter                             <ul style="list-style-type: none"> <li>Regular hole (Ø5.1) / Wide hole (Ø5.8)</li> </ul> </li> <li>Recommended drilling speed: 800–1,200 rpm</li> </ul> |      |                                   | <p>Regular Hole (Ø5.1)</p> <p>Wide Hole (Ø5.8)</p> |
| L   | TL   | Regular Hole(Ø5.1)<br>F4.0 / F4.5 |  |
| 4.0   | 30.2 | -                                 | O4D2204WC  |
| 5.0   | 31.2 | -                                 | O4D2205WC  |
| 6.0   | 32.2 | O4D2206                           | O4D2206WC  |
| 7.0   | 33.2 | O4D2207                           | O4D2207WC  |
| 8.5   | 34.7 | O4D2208                           | O4D2208WC  |

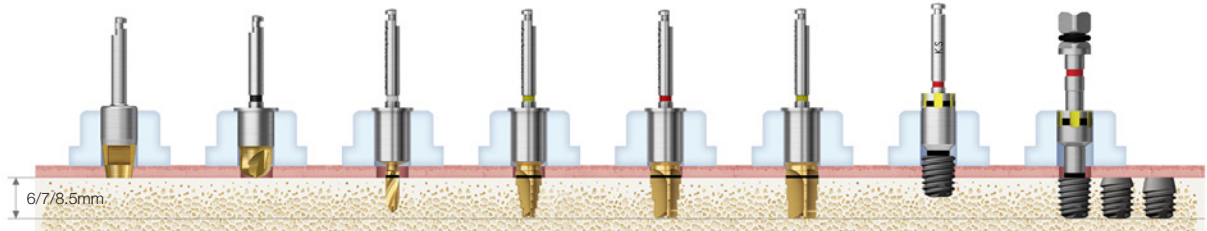
| One485 Pilot Drill  |      |                            |  |
|---|------|----------------------------|--|
| Description/Item code   |      |                            | Image/Guide  |
| <ul style="list-style-type: none"> <li>Expands the hole diameter during intermediate drilling</li> <li>Available in 3 configurations according to OneGuide hole diameter                             <ul style="list-style-type: none"> <li>Regular hole (Ø5.1) / Wide hole (Ø5.8)</li> </ul> </li> <li>Implant length 4–5 mm: use 4 mm,</li> <li>Implant length 6–8.5 mm: use 6 mm</li> <li>Recommended drilling speed: 800–1,200 rpm</li> </ul> |      |                            | <p>Regular Hole (Ø5.1)</p> <p>Wide Hole (Ø5.8)</p> |
| L   | TL   | Regular Hole(Ø5.1)<br>F4.5 |  |
| 4.0   | 30.9 | -                          | O4D3504WC  |
| 6.0   | 32.9 | O4D3506                    | O4D3506WC  |

| One485 Drill   |      |                    |         |           |             |            |
|--|------|--------------------|---------|-----------|-------------|------------|
| Description/Item code  |      |                    |         |           | Image/Guide |            |
| <ul style="list-style-type: none"> <li>Used as the final drill to achieve final osteotomy diameter and optimize insertion torque</li> <li>Lateral cutting edges: tapered drill geometry</li> <li>Available in 19 configurations according to OneGuide hole diameter                             <ul style="list-style-type: none"> <li>Regular hole (Ø5.1) / Wide hole (Ø5.8)</li> </ul> </li> <li>For F4.5 and F5.0 implants in hard bone, use the F4.5 and F5.0 hard drills</li> </ul> |      |                    |         |           |             |            |
| L  | TL   | Regular Hole(Ø5.1) |         |           |             |            |
|  |      | F4.0               | F4.5    | F4.5 Hard | F5.0W       | F5.0W Hard |
| 4.0  | 30.9 | -                  | -       |           | O4D5004WC   | O4HD5004WC |
| 5.0  | 31.9 | -                  | -       |           | O4D5005WC   | O4HD5005WC |
| 6.0  | 32.9 | O4D4006            | O4D4506 | O4HD4506  | O4D5006WC   | O4HD5006WC |
| 7.0  | 33.9 | O4D4007            | O4D4507 | O4HD4507  | O4D5007WC   | O4HD5007WC |
| 8.5  | 35.4 | O4D4008            | O4D4508 | O4HD4508  | O4D5008WC   | O4HD5008WC |

# Drilling Sequence **One485 Drill**

**EKIII | ETIII | SSIII**

**Extra Short**  
**Ø5.0 X 6mm**

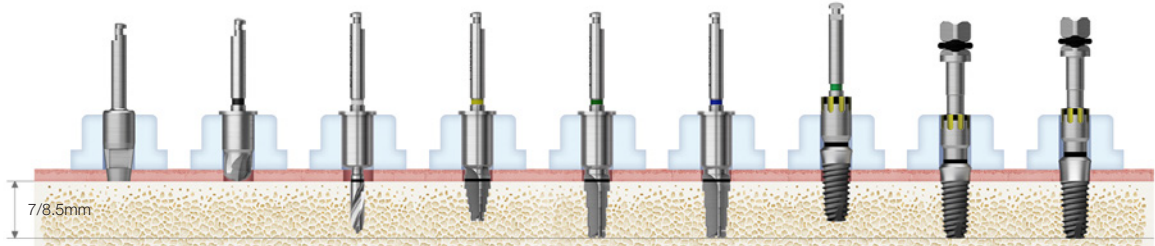


| Ø5.0X6mm<br>(Extra Short) | Bone<br>Quality | Tissue<br>Punch (W) | Flattening<br>Drill (W) | Twist Drill<br>(W) | Pilot Drill<br>(W) | One485 Drill<br>(W) | One485 Hard<br>Drill (W) | NoMount<br>Driver (W)               | Implant<br>Driver (W) |
|---------------------------|-----------------|---------------------|-------------------------|--------------------|--------------------|---------------------|--------------------------|-------------------------------------|-----------------------|
| Ø5.0x<br>6/7/8.5mm        | Normal          | ▶                   | (▶)                     | Ø2.2x6/7/8.5       | Ø3.5x6             | F5.0x6/7/8.5        |                          | Implant<br>Placement<br>(Up to 80%) | Implant<br>Placement  |
|                           | Hard            | ▶                   | (▶)                     | Ø2.2x6/7/8.5       | Ø3.5x6             | F5.0x6/7/8.5        |                          |                                     |                       |

# Drilling Sequence One485 Drill

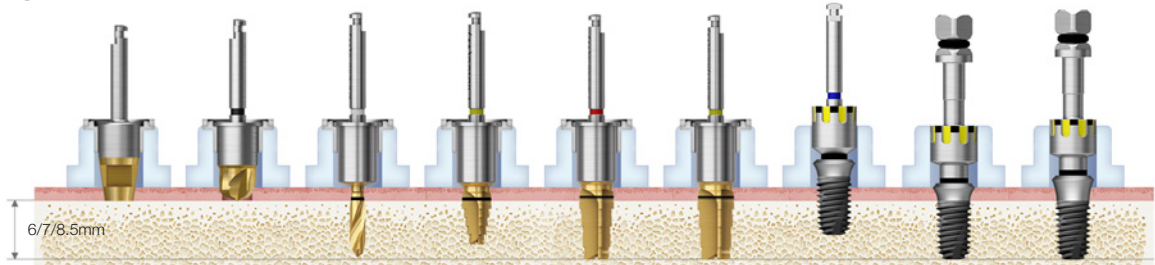
EKIII | ETIII | SSIII

## G/H 1.8 & 2.8



| Implant            | Bone Quality | Tissue Punch | Flattening Drill | Twist Drill | Pilot Drill | One485 Drill | One485 Drill | NoMount Driver                | Implant Driver    |         |
|--------------------|--------------|--------------|------------------|-------------|-------------|--------------|--------------|-------------------------------|-------------------|---------|
|                    |              |              |                  |             |             |              |              |                               | G/H 1.8           | G/H 2.8 |
| Diameter 6/7/8.5mm | Normal       | ▶            | (▶)              | ▶           | ▶           | ▶            |              | Implant Placement (Up to 80%) | Implant Placement |         |
|                    | Hard         | ▶            | (▶)              | ▶           | ▶           |              | ▶            |                               | Implant Placement |         |

## G/H 1.8&2.8



| Implant            | Bone Quality | Tissue Punch (W) | Flattening Drill (W) | Twist Drill (W) | Pilot Drill (W) | One485 Drill (W) | One485 Hard Drill (W) | NoMount Driver (W)            | Implant Driver (W) |         |
|--------------------|--------------|------------------|----------------------|-----------------|-----------------|------------------|-----------------------|-------------------------------|--------------------|---------|
|                    |              |                  |                      |                 |                 |                  |                       |                               | G/H 1.8            | G/H 2.8 |
| Diameter 6/7/8.5mm | Normal       | ▶                | (▶)                  | ▶               | ▶               | ▶                |                       | Implant Placement (Up to 80%) | Implant Placement  |         |
|                    | Hard         | ▶                | (▶)                  | ▶               | ▶               |                  | ▶                     |                               | Implant Placement  |         |

# 122 Taper Kit (HK122TPK)

For

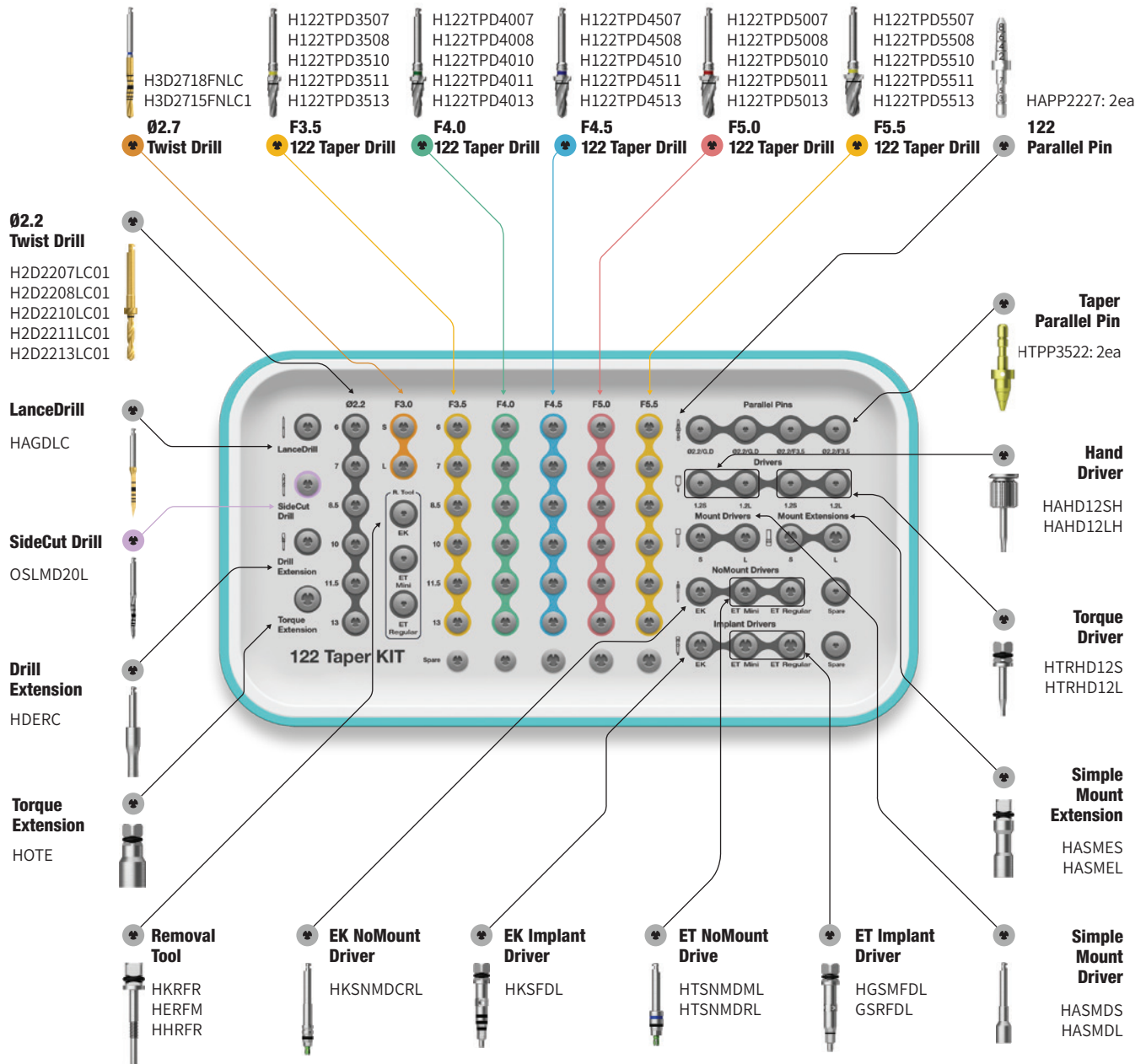
- EKIII
- ETIII/IV
- SSIII

Top panel components

**Torque Wrench**  
TQWCB



**Depth Gauge**  
ODG



# 122 Taper Kit Surgical Kit Instruments

| 122 Taper Drill  |      |               |             |             |             |             |             |             |             |
|--|------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Description  |      |               |             | Image/Guide |             |             |             |             |             |
| <ul style="list-style-type: none"> <li>Taper drill for Type III implants</li> <li>Specification by diameter and length</li> <li>Color coding displays implant diameter</li> <li>One step large-diameter drill is used to remove cortical bone from the hard bone</li> <li>122 Taper Kit single item (excluded from Taper Kit)</li> </ul> |      |               |             |             |             |             |             |             |             |
| L  | TL   | D/Ø<br>Y-Dim. | F3.5<br>0.7 | F4.0<br>0.9 | F4.5<br>1.0 | F5.0<br>1.0 | F5.5<br>1.0 | F6.0<br>1.0 | F7.0<br>1.0 |
| 4.0  | 29.5 |               | H122TPD3504 | H122TPD4004 | H122TPD4504 | H122TPD5004 | H122TPD5504 | -           | -           |
| 5.0  | 29.5 |               | H122TPD3505 | H122TPD4005 | H122TPD4505 | H122TPD5005 | H122TPD5505 | -           | -           |
| 6.0  | 30.5 |               | H122TPD3506 | H122TPD4006 | H122TPD4506 | H122TPD5006 | H122TPD5506 | H122TPD6006 | H122TPD7006 |
| 7.0  | 31.5 |               | H122TPD3507 | H122TPD4007 | H122TPD4507 | H122TPD5007 | H122TPD5507 | H122TPD6007 | H122TPD7007 |
| 8.5  | 33   |               | H122TPD3508 | H122TPD4008 | H122TPD4508 | H122TPD5008 | H122TPD5508 | H122TPD6008 | H122TPD7008 |
| 10   | 34.5 |               | H122TPD3510 | H122TPD4010 | H122TPD4510 | H122TPD5010 | H122TPD5510 | H122TPD6010 | H122TPD7010 |
| 11.5   | 34.5 |               | H122TPD3511 | H122TPD4011 | H122TPD4511 | H122TPD5011 | H122TPD5511 | H122TPD6011 | H122TPD7011 |
| 13   | 36   |               | H122TPD3513 | H122TPD4013 | H122TPD4513 | H122TPD5013 | H122TPD5513 | H122TPD6013 | H122TPD7013 |
| 15   | 38   |               | H122TPD3515 | H122TPD4015 | H122TPD4515 | H122TPD5015 | H122TPD5515 | -           | -           |
| Color  |      |               | Yellow      | Green       | Blue        | Red         | Yellow      | Green       | Blue        |

| 122 Taper Parallel Pin  |           |       |
|---|-----------|-------|
| Description   | Item Code | Image |
| <ul style="list-style-type: none"> <li>Parallel pin for 122 Taper Drill</li> <li>Used for checking position and direction of bone preparation</li> <li>Lower part for 2.2 drill, upper part for guide drill</li> <li>122 Taper Kit single item (excluded from Taper Kit)</li> <li>Other components same as Taper Kit</li> </ul> | HAPP2227  |       |

| Cortical Drill for Ultra-Wide   |      |           |       |
|---|------|-----------|-------|
| Description   | D/Ø  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Drill is used to remove cortical bone from hard bone (for ultra-wide)</li> <li>Dedicated drill by implant diameter</li> <li>It is recommended to drill to the bottom line of the marking line</li> </ul> | F6.0 | HCD4C60   |       |
|   | F7.0 | HCD4C70   |       |

# 122 Taper Kit Surgical Kit Instruments


| Implant Driver for EK   |         |        |           |       |
|---|---------|--------|-----------|-------|
| Description   | *C      | Length | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an EK implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Regular | Short  | HKSFDS    |       |
|   |         | Long   | HKSFDL    |       |

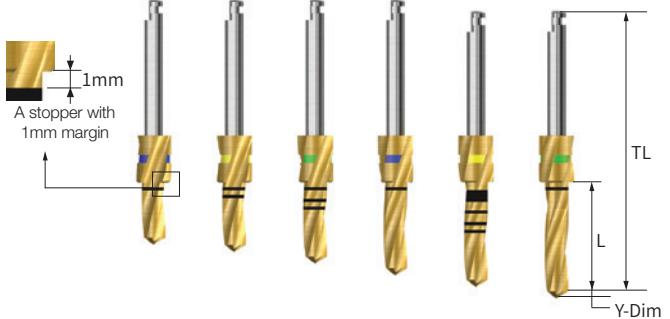
| Implant Driver for ET   |         |                 |           |       |
|---|---------|-----------------|-----------|-------|
| Description   | *C      | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an ET implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Mini    | Short (17)      | HGSMFDS   |       |
|   |         | Long (24)       | GSMFDL    |       |
|   |         | Ex. Long (34)   | HGSMFDE   |       |
|   | Regular | Short (19)      | HGSRFDS   |       |
|   |         | Long (26.6)     | GSRFDL    |       |
|   |         | Ex. Long (33.6) | HGSRFDE   |       |

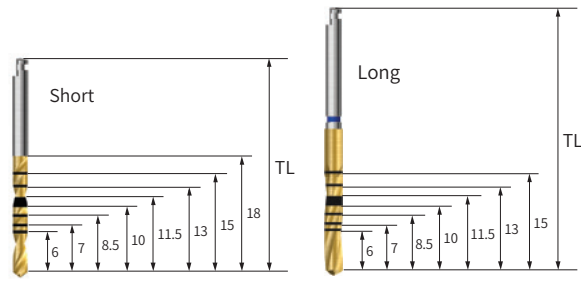
| NoMount Driver for EK  |         |                   |           |       |
|--|---------|-------------------|-----------|-------|
| Description  | *C      | Length            | Item Code | Image |
| <ul style="list-style-type: none"> <li>Ø3.5 implant is combined with the bottom of the lower marking</li> <li>Ø4.0, Ø4.5, Ø5.0, Ø6.0 and Ø7.0 implants are combined with the upper part of the lower marking</li> <li>The distance between the two laser marking is 0.5mm</li> <li>C = Connection</li> </ul> | Regular | Short (27.6)      | HKSNMDCRS |       |
|  |         | Long (32.6)       | HKSNMDCRL |       |
|  |         | Extra Long (37.6) | HKSNMDCRE |       |

| NoMount Torque Driver for ET   |         |                 |           |       |
|--|---------|-----------------|-----------|-------|
| Description  | *C      | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Directly connects to an ET Implant for placement with a Torque Wrench</li> <li>Ensure correct and complete seating before applying torque; loose connection may cause implant fracture</li> <li>C = Connection</li> </ul> | Mini    | Short (19)      | HGSNMT32S |       |
|  |         | Long (26.6)     | HGSNMT32L |       |
|  |         | Ex. Long (33.6) | HGSNMT32E |       |
|  | Regular | Short (19)      | HGSNMT35S |       |
|  |         | Long (26.6)     | HGSNMT35L |       |
|  |         | Ex. Long (33.6) | HGSNMT35E |       |

# 122 Taper Kit Surgical Kit Instruments

| LaceDrill (Guide Drill)   |             |           |   |
|---|-------------|-----------|---|
| Description   | L           | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Forming a hole to facilitate initial drilling</li> <li>Bone density determined through drilling</li> </ul> | <b>Long</b> | HAGDLC    |  |

| Twist Drill (Stopper Drill)   |      |               |  |             |             |             |             |             |             |             |
|---|------|---------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Description   |      |               | Image/Guide  |             |             |             |             |             |             |             |
| <ul style="list-style-type: none"> <li>Included in New Hanaro KIT</li> <li>Long stopper (6mm)</li> <li>Enabling a procedure without drill extension for posterior region</li> <li>The color coded stopper indicates the drill length</li> </ul> |      |               |  |             |             |             |             |             |             |             |
| L   | TL   | D/Ø<br>Y-Dim. | F2.2<br>0.6  | F3.0<br>0.9 | F3.3<br>1.0 | F3.6<br>1.0 | F3.8<br>1.0 | F4.1<br>1.0 | F4.3<br>1.0 | F4.3<br>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  | -           | -           | -           |

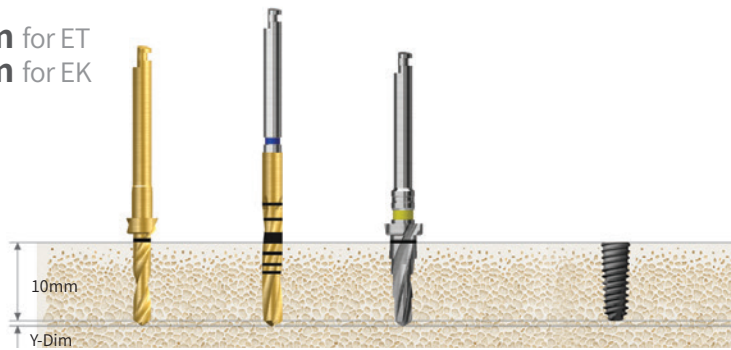
| Twist Drill (Non Stopper Drill)   |       |              |  |              |              |              |              |
|---|-------|--------------|--|--------------|--------------|--------------|--------------|
| Description   |       |              | Image/Guide  |              |              |              |              |
| <ul style="list-style-type: none"> <li>Included in New Hanaro KIT</li> <li>Used for limited access for the Stopper Drill into the oral cavity</li> <li>See the image provided in the Non-stopper Drill section for the sizes of the drill marking lines for short/long types</li> </ul> |       |              |  |              |              |              |              |
| TL  | D/Ø   | F1.5         | F2.0   | F2.2         | F2.7         | F3.0         | F3.3         |
| 33  | Short | 2D1518FNLC   | 2D2018FNLC   | 2D2218FNLC   | 3D2718FNLC   | 3D3018FNLC   | 3D3318FNLC   |
| 41  |       | -            | -  | 2D2215FNLC01 | 3D2715FNLC01 | 3D3015FNLC01 | 3D3315FNLC01 |
|   | D/Ø   | F3.6         | F3.8   | F4.1         | F4.3         | F4.6         |              |
| 33  | Long  | 3D3618FNLC   | 3D3818FNLC   | 3D4118FNLC   | 3D4318FNLC   | 3D4618FNLC   |              |
| 41  |       | 3D3615FNLC01 | 3D3815FNLC01   | 3D4115FNLC01 | 3D4315FNLC01 | 3D4615FNLC01 |              |

# Drilling Sequence 122 Taper Drill

**EKIII | ETIII | SSIII**

(Length: 10mm)

**Ø3.2mm** for ET  
**Ø3.3mm** for EK

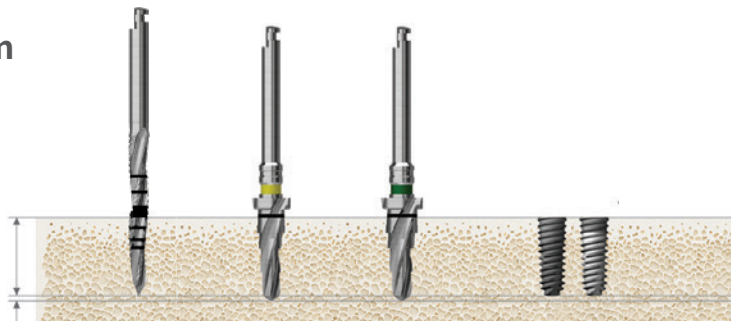


| Bone Quality | Ø2.2 Drill | Ø2.7 Drill | F3.5 Taper Drill | Ø3.0 Implant      |
|--------------|------------|------------|------------------|-------------------|
| Soft         | ▶          | ▶          |                  | Implant Placement |
| Normal       | ▶          | ▶          | or ▶             |                   |
| Hard         | ▶          |            | ▶                |                   |

※ Lance drill can be used before Ø2.2 to mark the Osteotomy

※ The Ø2.7 Twist Drill is labeled as a 3.0mm drill in the kit case

## Ø3.5mm

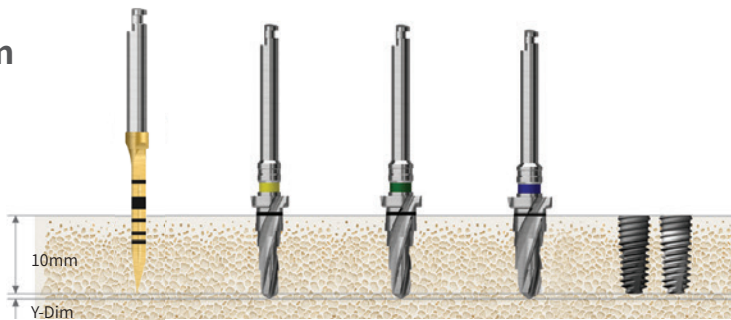


| Bone Quality | Side Cut Drill | F3.5 Taper Drill | F4.0 Taper Drill | Ø3.5 Implant      |
|--------------|----------------|------------------|------------------|-------------------|
| Soft         | ▶              |                  |                  | Implant Placement |
| Normal       | ▶              | ▶                |                  |                   |
| Hard         | ▶              | ▶                | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of ≤40 Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, in soft bone, the implant may be placed at bone level to ensure stability.

## Ø4.0mm

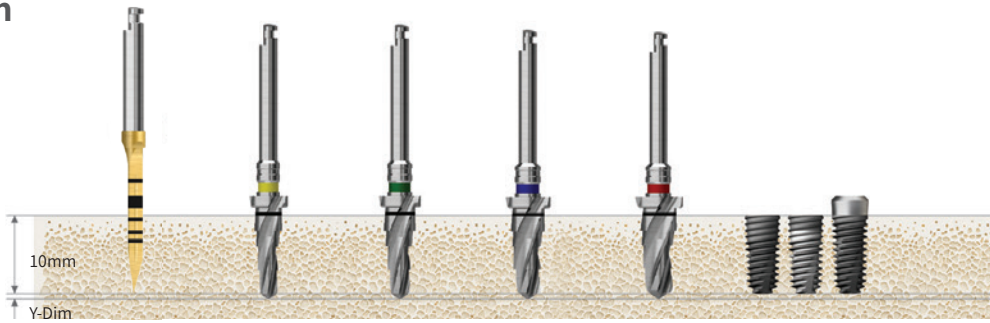


| Bone Quality | Lance Drill | F3.5 Taper Drill | F4.0 Taper Drill | F4.5 Taper Drill | Ø4.0 Implant      |
|--------------|-------------|------------------|------------------|------------------|-------------------|
| Soft         | ▶           | ▶                |                  |                  | Implant Placement |
| Normal       | ▶           | ▶                | ▶                |                  |                   |
| Hard         | ▶           | ▶                |                  | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of ≤40 Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, in soft bone, the implant may be placed at bone level to ensure stability.

## Ø4.5mm

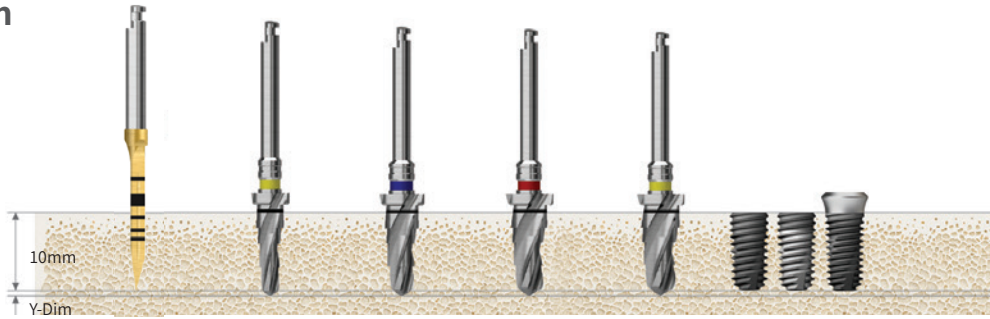


| Bone Quality | Lance Drill | F3.5 Taper Drill | F4.0 Taper Drill | F4.5 Taper Drill | F5.0 Taper Drill | Ø4.5 Implant      |
|--------------|-------------|------------------|------------------|------------------|------------------|-------------------|
| Soft         | ▶           |                  | ▶                |                  |                  | Implant Placement |
| Normal       | ▶           | ▶                |                  | ▶                |                  |                   |
| Hard         | ▶           | ▶                |                  |                  | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of  $\leq 40$  Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, in soft bone, the implant may be placed at bone level to ensure stability.

## Ø5.0mm



| Bone Quality | Lance Drill | F3.5 Taper Drill | F4.5 Taper Drill | F5.0 Taper Drill | F5.5 Taper Drill | Ø5.0 Implant      |
|--------------|-------------|------------------|------------------|------------------|------------------|-------------------|
| Soft         | ▶           |                  | ▶                |                  |                  | Implant Placement |
| Normal       | ▶           | ▶                |                  | ▶                |                  |                   |
| Hard         | ▶           | ▶                |                  |                  | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of  $\leq 40$  Ncm.

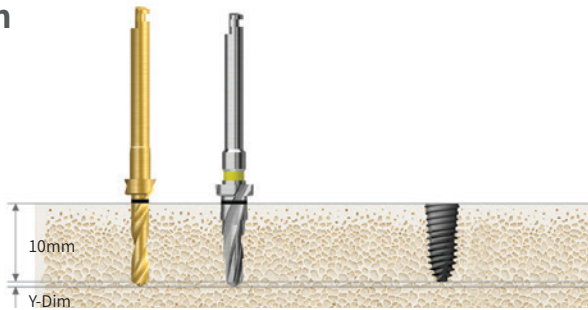
※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, in soft bone, the implant may be placed at bone level to ensure stability.

# Drilling Sequence 122 Taper Drill

## ETIV

(Length: 10mm)

### Ø4.0mm

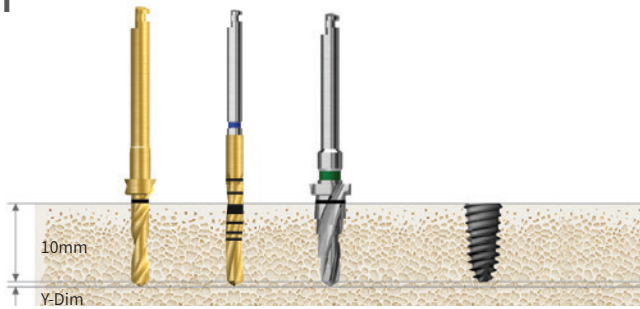


| Bone Quality | Ø2.2 Drill | F3.5 Taper Drill | Ø4.0 Implant      |
|--------------|------------|------------------|-------------------|
| D4           | ▶          |                  | Implant Placement |
| Soft         | ▶          | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of ≤40 Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, soft bone may be placed at the bone level to ensure stability.

### Ø4.5mm

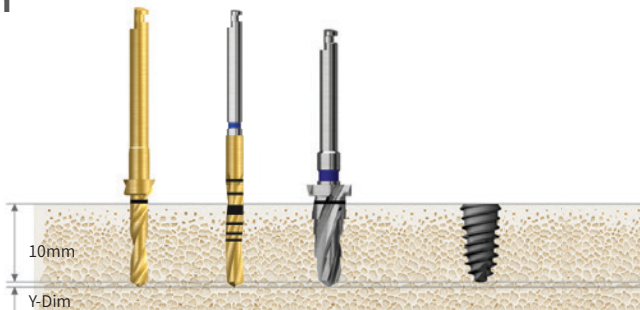


| Bone Quality | Ø2.2 Drill | Ø3.0 Drill | F4.0 Taper Drill | Ø4.5 Implant      |
|--------------|------------|------------|------------------|-------------------|
| D4           |            | ▶          |                  | Implant Placement |
| Soft         | ▶          |            | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of ≤40 Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, soft bone may be placed at the bone level to ensure stability.

### Ø5.0mm



| Bone Quality | Ø2.2 Drill | Ø3.0 Drill | F4.5 Taper Drill | Ø5.0 Implant      |
|--------------|------------|------------|------------------|-------------------|
| D4           |            | ▶          |                  | Implant Placement |
| Soft         | ▶          |            | ▶                |                   |

※ The recommended drill speed is 800–1,200 RPM, with an implant insertion torque of ≤40 Ncm.

※ The ET/EK implant is placed 1 mm subcrestally for normal and hard bone. However, soft bone may be placed at the bone level to ensure stability.

**HiOSSEN**  
IMPLANT

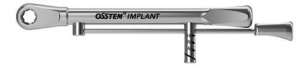
# Taper Kit (HKTAPEK)

For

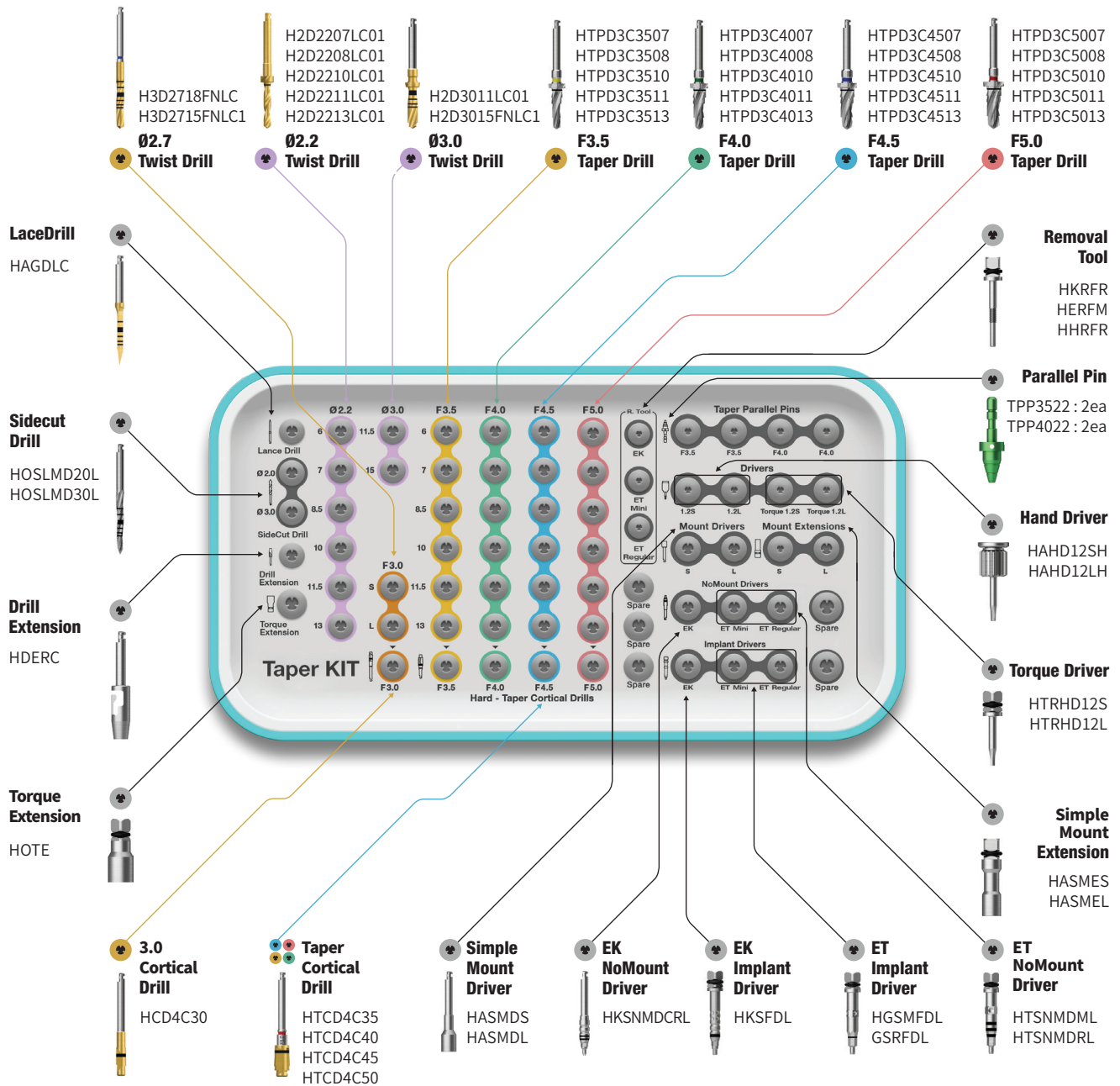
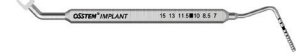
- EKIII
- ETIII/IV
- SSIII

Top panel components

**Torque Wrench**  
TQWCB



**Depth Gauge**  
ODG



# Taper Ultra Kit (HULTPK)

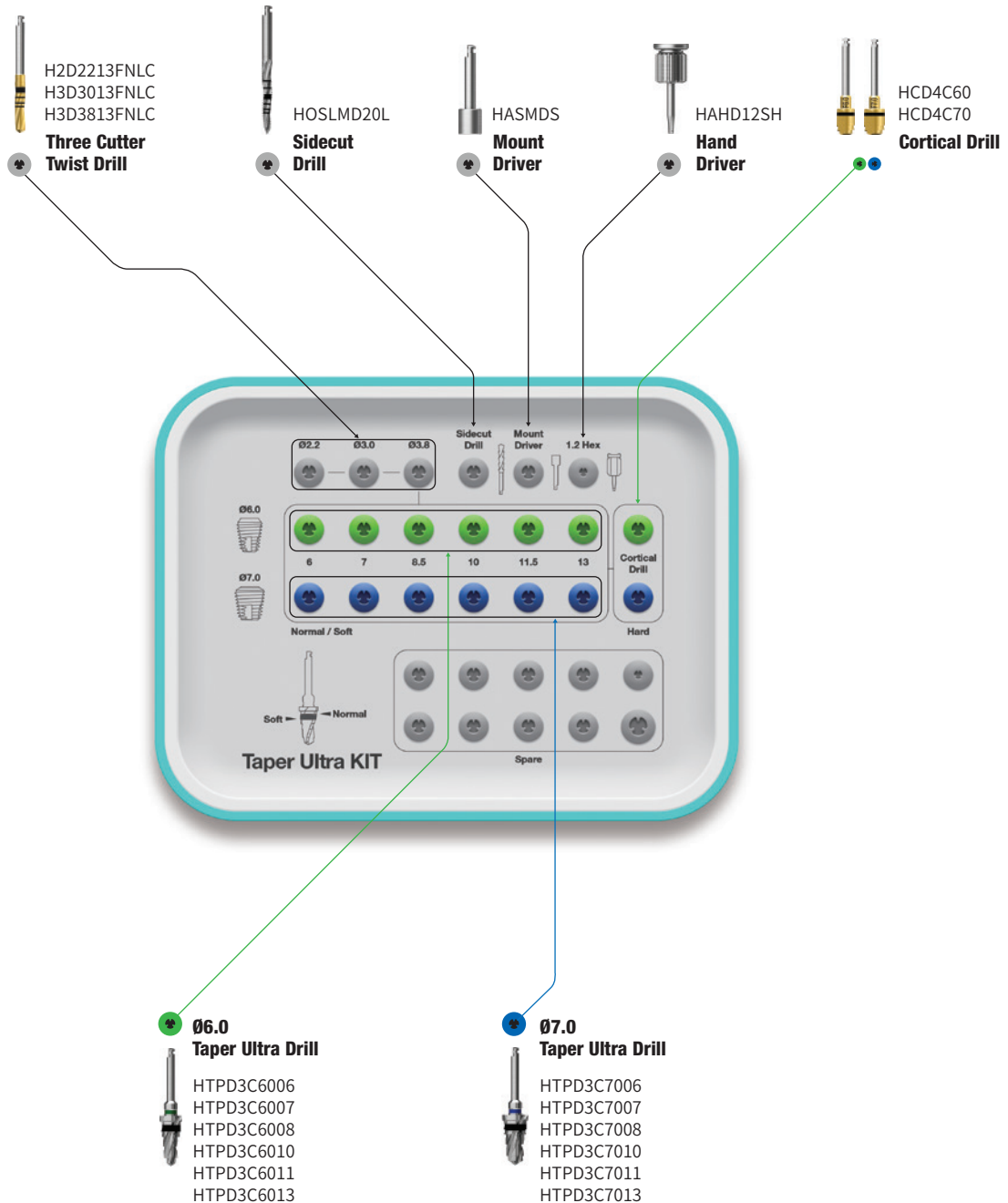
For **Ultra-wide**

Top panel components

**Open Wrench**  
SPOW



**Ratchet Wrench**  
RCWC




# Taper Kit Surgical Kit Instruments

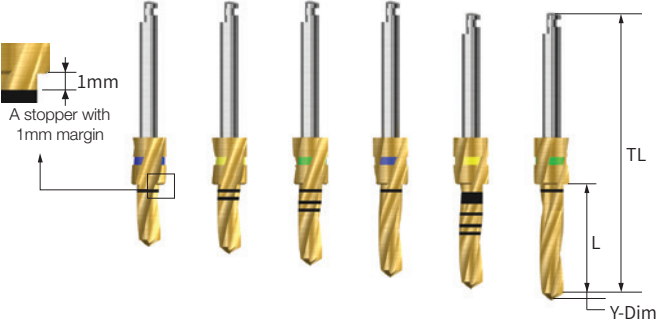
| Parallel Pin for Taper Drill  |             |           |       |
|---|-------------|-----------|-------|
| Description   | D/Ø         | Item code | Image |
| <ul style="list-style-type: none"> <li>Parallel pin for taper drill</li> <li>Used for checking position and direction of bone preparation</li> <li>The lower part is for implant diameter drill and the upper part is for initial drill</li> <li>Color coding by implant diameter (F3.5: yellow, F4.0: green, F4.5: blue, F5.0: silver)</li> <li>122 Taper &amp; Taper Kit common components</li> </ul> | <b>F3.5</b> | HTPP3522  |       |
|   | <b>F4.0</b> | HTPP4022  |       |
|   | <b>F4.5</b> | HTPP4522  |       |
|   | <b>F5.0</b> | HTPP5022  |       |

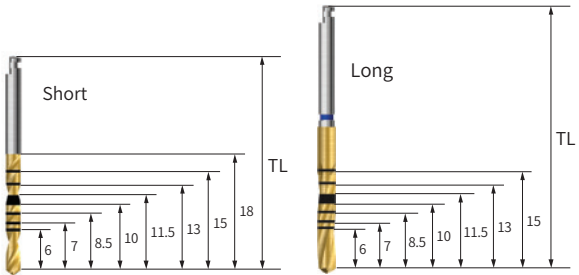
| Taper Drill   |      | Image/Guide   |            |            |            |            |            |
|---|------|---------------|------------|------------|------------|------------|------------|
| Description   |      | Image/Guide   |            |            |            |            |            |
| <ul style="list-style-type: none"> <li>Taper drill for taper(III type) implant by diameter and length</li> <li>Stopper drill with 1mm space</li> <li>Color coding displays implant diameter</li> <li>F3.5: yellow, F4.0: green, F4.5: blue, F5.0: red, F5.5: yellow</li> <li>Taper Kit single item<br/><i>(*excluded from 122 Taper Kit)</i></li> </ul> |      |               |            |            |            |            |            |
| L   | TL   | D/Ø<br>Y-Dim. | F3.5       | F4.0       | F4.5       | F5.0       | F5.5       |
|   |      |               | 0.8        | 0.9        | 1.0        | 1.0        | 1.0        |
| 5.0   | 29.5 |               | HTPD3C3505 | HTPD3C4005 | HTPD3C4505 | HTPD3C5005 | -          |
| 6.0   | 30.5 |               | HTPD3C3506 | HTPD3C4006 | HTPD3C4506 | HTPD3C5006 | HTPD3C5506 |
| 7.0   | 31.5 |               | HTPD3C3507 | HTPD3C4007 | HTPD3C4507 | HTPD3C5007 | HTPD3C5507 |
| 8.5   | 33   |               | HTPD3C3508 | HTPD3C4008 | HTPD3C4508 | HTPD3C5008 | HTPD3C5508 |
| 10  | 34.5 |               | HTPD3C3510 | HTPD3C4010 | HTPD3C4510 | HTPD3C5010 | HTPD3C5510 |
| 11.5  | 34.5 |               | HTPD3C3511 | HTPD3C4011 | HTPD3C4511 | HTPD3C5011 | HTPD3C5511 |
| 13  | 36   |               | HTPD3C3513 | HTPD3C4013 | HTPD3C4513 | HTPD3C5013 | HTPD3C5513 |
| 15  | 38   |               | HTPD3C3515 | HTPD3C4015 | HTPD3C4515 | HTPD3C5015 | HTPD3C5515 |
| Color   |      |               | Yellow     | Green      | Blue       | Red        | Yellow     |

| LaceDrill (Guide Drill)   |             |           |       |
|---|-------------|-----------|-------|
| Description   | L           | Item Code | Image |
| <ul style="list-style-type: none"> <li>Forming a hole to facilitate initial drilling</li> <li>Bone density determined through drilling</li> </ul> | <b>Long</b> | HAGDLC    |       |

# Taper Kit Surgical Kit Instruments

| Slidecut Drill  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Forming a hole to facilitate initial drilling</li> <li>Bone density determined through drilling</li> </ul> | HOSLMD20L |  |

| Twist Drill (Stopper Drill)   |      |               |  |             |             |             |             |             |             |             |
|---|------|---------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Description   |      |               | Image/Guide  |             |             |             |             |             |             |             |
| <ul style="list-style-type: none"> <li>Included in New Hanaro KIT</li> <li>Long stopper (6mm)</li> <li>Enabling a procedure without drill extension for posterior region</li> <li>The color coded stopper indicates the drill length</li> </ul> |      |               |  |             |             |             |             |             |             |             |
| L   | TL   | D/Ø<br>Y-Dim. | F2.2<br>0.6  | F3.0<br>0.9 | F3.3<br>1.0 | F3.6<br>1.0 | F3.8<br>1.0 | F4.1<br>1.0 | F4.3<br>1.0 | F4.3<br>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)   |       |              |  |              |              |              |              |
|---|-------|--------------|--|--------------|--------------|--------------|--------------|
| Description   |       |              | Image/Guide  |              |              |              |              |
| <ul style="list-style-type: none"> <li>Included in New Hanaro KIT</li> <li>Used for limited access for the Stopper Drill into the oral cavity</li> <li>See the image provided in the Non-stopper Drill section for the sizes of the drill marking lines for short/long types</li> </ul> |       |              |  |              |              |              |              |
| TL  | D/Ø   | F1.5         | F2.0   | F2.2         | F2.7         | F3.0         | F3.3         |
| 33  | Short | 2D1518FNLC   | 2D2018FNLC   | 2D2218FNLC   | 3D2718FNLC   | 3D3018FNLC   | 3D3318FNLC   |
| 41  |       | -            | -  | 2D2215FNLC01 | 3D2715FNLC01 | 3D3015FNLC01 | 3D3315FNLC01 |
|   | D/Ø   | F3.6         | F3.8   | F4.1         | F4.3         | F4.6         |              |
| 33  | Long  | 3D3618FNLC   | 3D3818FNLC   | 3D4118FNLC   | 3D4318FNLC   | 3D4618FNLC   |              |
| 41  |       | 3D3615FNLC01 | 3D3815FNLC01   | 3D4115FNLC01 | 3D4315FNLC01 | 3D4615FNLC01 |              |




| Taper Cortical Drill for Taper Implant (ETIII, SSIII)  |             |           |       |
|--|-------------|-----------|-------|
| Description  | D/Ø         | Item code | Image |
| <ul style="list-style-type: none"> <li>The drill is used to remove cortical bone of the hard bone (used right after the use of Taper Drill)</li> <li>Dedicated drill for each implant diameter</li> <li>F3.5~5.0 drill marking line: bottom line 8.5mm or less, top line 10mm or more implant placement standard</li> <li>F5.5 drill marking line: bottom line 6mm or less, middle line 7mm, top line 8.5mm or more implant placement standard</li> <li>It is recommended to drill to the bottom of the marking line</li> <li>Taper Kit single item (excluded from 122 Taper Kit)</li> </ul> | <b>F3.5</b> | HTCD4C35  |       |
|  | <b>F4.0</b> | HTCD4C40  |       |
|  | <b>F4.5</b> | HTCD4C45  |       |
|  | <b>F5.0</b> | HTCD4C50  |       |
|  | <b>F5.5</b> | HTCD4C55  |       |

| Taper Ultra Drill   |              |              |             |       |
|---|--------------|--------------|-------------|-------|
| Description   | L            | F6.0         | F7.0        | Image |
| <ul style="list-style-type: none"> <li>Taper drill for taper ultra-wide implant by diameter and length</li> <li>Stopper drill with 1mm space</li> <li>Color coding displays implant diameter</li> </ul> | <b>6.0</b>   | HTPD3C6006   | HTPD3C7006  |       |
|   | <b>7.0</b>   | HTPD3C6007   | HTPD3C7007  |       |
|   | <b>8.5</b>   | HTPD3C6008   | HTPD3C7008  |       |
|   | <b>10</b>    | HTPD3C6010   | HTPD3C7010  |       |
|   | <b>11.5</b>  | HTPD3C6011   | HTPD3C7011  |       |
|   | <b>13</b>    | HTPD3C6013   | HTPD3C7013  |       |
|   | <b>Color</b> | <b>Green</b> | <b>Blue</b> |       |






| Implant Driver for EK   |                |              |           |       |
|---|----------------|--------------|-----------|-------|
| Description   | C              | Length       | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an EK implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | <b>Regular</b> | <b>Short</b> | HKSFDS    |       |
|   |                | <b>Long</b>  | HKSFDL    |       |

| Implant Driver for ET   |                |                        |           |       |
|---|----------------|------------------------|-----------|-------|
| Description   | C              | Length                 | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an ET implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | <b>Mini</b>    | <b>Short (17)</b>      | HGSMFDS   |       |
|   |                | <b>Long (24)</b>       | GSMFDL    |       |
|   |                | <b>Ex. Long (34)</b>   | HGSMFDE   |       |
|   | <b>Regular</b> | <b>Short (19)</b>      | HGSRFDS   |       |
|   |                | <b>Long (26.6)</b>     | GSRFDL    |       |
|   |                | <b>Ex. Long (33.6)</b> | HGSRFDE   |       |

# Taper Kit Surgical Kit Instruments

| NoMount Driver for EK  |         |                   |           |   |
|--|---------|-------------------|-----------|---|
| Description  | C       | Length            | Item Code | Image   |
| <ul style="list-style-type: none"> <li>• Ø3.5 implant is combined with the bottom of the lower marking</li> <li>• Ø4.0, Ø4.5, Ø5.0, Ø6.0 and Ø7.0 implants are combined with the upper part of the lower marking</li> <li>• The distance between the two laser marking is 0.5mm</li> <li>• C = Connection</li> </ul> | Regular | Short (27.6)      | HKSNMDCRS |  |
|  |         | Long (32.6)       | HKSNMDCRL |  |
|  |         | Extra Long (37.6) | HKSNMDCRE |  |

Ø4.0, Ø4.5, Ø5.0, Ø6.0, Ø7.0    Ø3.0, 3.5  
 Implant    Implant

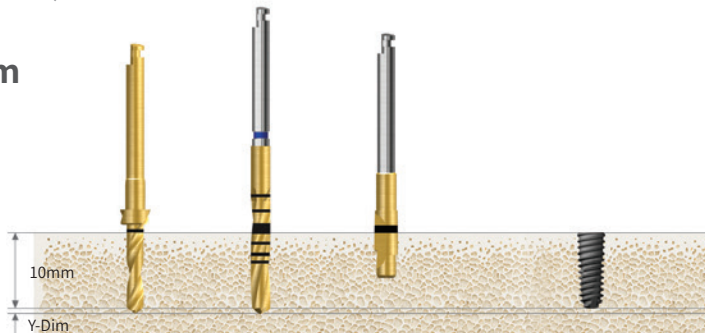
| NoMount Torque Driver for ET   |         |                 |           |   |
|--|---------|-----------------|-----------|---|
| Description  | C       | Length          | Item Code | Image   |
| <ul style="list-style-type: none"> <li>• Directly connects to an ET Implant for placement with a Torque Wrench</li> <li>• Ensure correct and complete seating before applying torque; loose connection may cause implant fracture</li> <li>• C = Connection</li> </ul> | Mini    | Short (19)      | HGSNMT32S |    |
|  |         | Long (26.6)     | HGSNMT32L |    |
|  |         | Ex. Long (33.6) | HGSNMT32E |    |
|  | Regular | Short (19)      | HGSNMT35S |  |
|  |         | Long (26.6)     | HGSNMT35L |  |
|  |         | Ex. Long (33.6) | HGSNMT35E |  |

# Drilling Sequence Taper Drill

**EKIII | ETIII | SSIII**

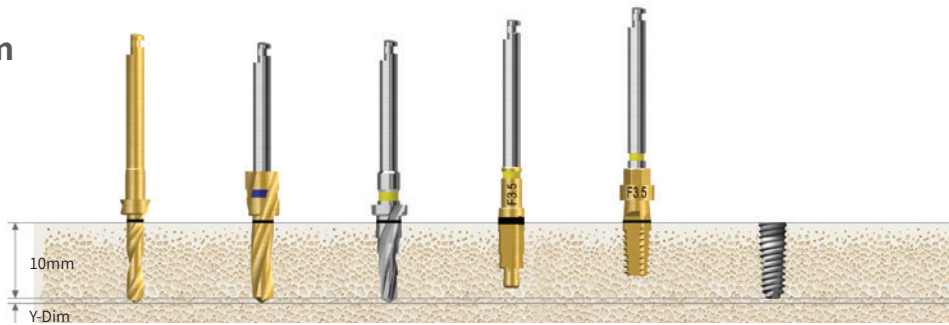
(Length: 10mm)

## Ø3.2mm



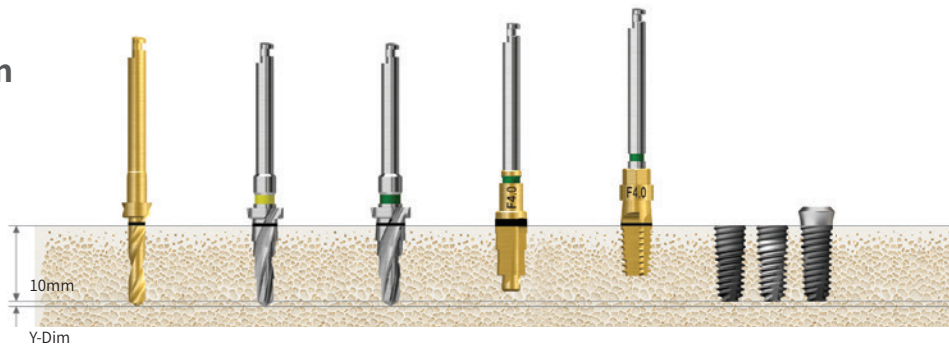
| Bone Quality | Ø2.2 Drill | Ø2.7 Drill | F3.0 Cortical Drill | Ø3.0 Implant      |
|--------------|------------|------------|---------------------|-------------------|
| Soft         | ▶          |            |                     |                   |
| Normal       | ▶          | ▶          |                     | Implant Placement |
| Hard         | ▶          | ▶          | ▶                   |                   |

## Ø3.5mm



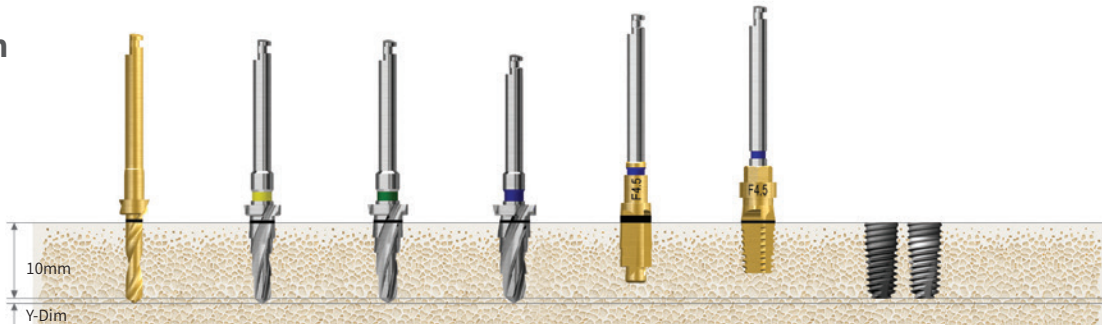
| Bone Quality  | Ø2.2 Drill | Ø3.0 Drill | F3.5 Taper Drill | F3.5 Taper Cortical Drill | F3.5 Taper Implant Tap | Ø3.5 Implant      |
|---------------|------------|------------|------------------|---------------------------|------------------------|-------------------|
| Soft          | ▶          | ▶          |                  |                           |                        |                   |
| Normal        | ▶          |            |                  | ▶                         |                        | Implant Placement |
| Hard          | ▶          |            | ▶                | ▶                         |                        |                   |
| Hard (Option) | ▶          |            | ▶                |                           | ▶                      |                   |

## Ø4.0mm



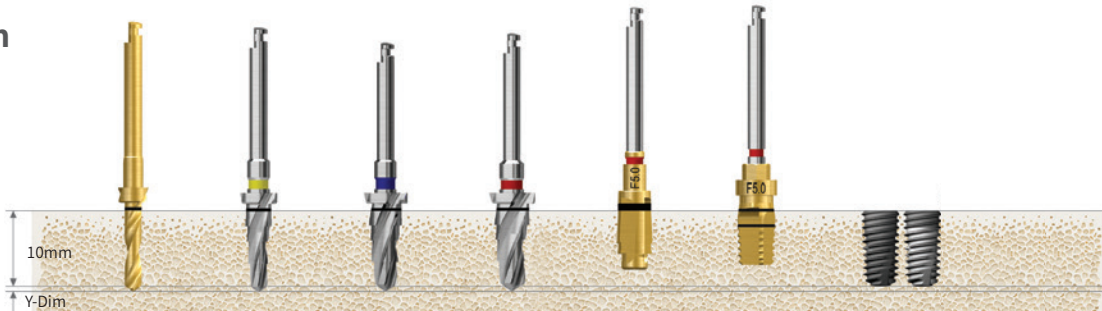
| Bone Quality  | Ø2.2 Drill | F3.5 Taper Drill | F4.0 Taper Drill | F4.0 Taper Cortical Drill | F4.0 Taper Implant Tap | Ø4.0 Implant      |
|---------------|------------|------------------|------------------|---------------------------|------------------------|-------------------|
| Soft          | ▶          | ▶                |                  |                           |                        |                   |
| Normal        | ▶          | ▶                | ▶                |                           |                        | Implant Placement |
| Hard          | ▶          | ▶                | ▶                | ▶                         |                        |                   |
| Hard (Option) | ▶          | ▶                | ▶                |                           | ▶                      |                   |

## Ø4.5mm



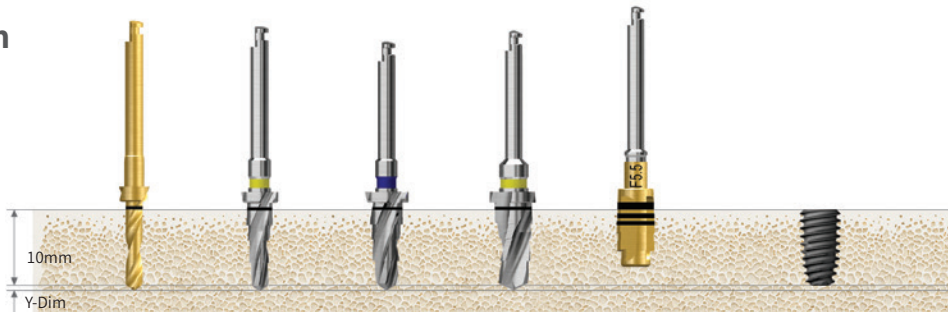
| Bone Quality  | Ø2.2 Drill | F3.5 Taper Drill | F4.0 Taper Drill | F4.5 Taper Drill | F4.5 Taper Cortical Drill | F4.5 Taper Implant Tap | Ø4.5 Implant      |
|---------------|------------|------------------|------------------|------------------|---------------------------|------------------------|-------------------|
| Soft          | ▶          | ▶                | ▶                |                  |                           |                        | Implant Placement |
| Normal        | ▶          | ▶                |                  | ▶                |                           |                        |                   |
| Hard          | ▶          | ▶                |                  | ▶                | ▶                         |                        |                   |
| Hard (Option) | ▶          | ▶                |                  | ▶                |                           | ▶                      |                   |

## Ø5.0mm



| Bone Quality  | Ø2.2 Drill | F3.5 Taper Drill | F4.5 Taper Drill | F5.0 Taper Drill | F5.0 Taper Cortical Drill | F5.0 Taper Implant Tap | Ø5.0 Implant      |
|---------------|------------|------------------|------------------|------------------|---------------------------|------------------------|-------------------|
| Soft          | ▶          | ▶                | ▶                |                  |                           |                        | Implant Placement |
| Normal        | ▶          | ▶                | ▶                | ▶                |                           |                        |                   |
| Hard          | ▶          | ▶                | ▶                | ▶                | ▶                         |                        |                   |
| Hard (Option) | ▶          | ▶                | ▶                | ▶                |                           | ▶                      |                   |

## Ø5.5mm



| Bone Quality | Ø2.2 Drill | F3.5 Taper Drill | F4.5 Taper Drill | F5.5 Taper Drill | F5.5 Taper Implant Tap | Ø5.5 Implant      |
|--------------|------------|------------------|------------------|------------------|------------------------|-------------------|
| Soft         | ▶          | ▶                | ▶                |                  |                        | Implant Placement |
| Normal       | ▶          | ▶                | ▶                | ▶                |                        |                   |
| Hard         | ▶          | ▶                | ▶                | ▶                | ▶                      |                   |

F5.5 taper cortical drill marking line: bottom line 6mm or less, middle line 7mm, top line 8.5mm or more

Recommended insertion torque ≤40Ncm. ET implant insertion depth in normal/hard bone is placed 1mm deeper than the bone level, and the soft bone is placed at the bone level to maintain initial stability.

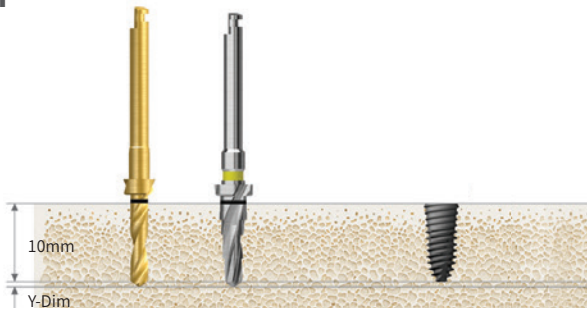
Implant tap used in hard bone: 25rpm recommended with engine or use with torque wrench after fastening to mount extension (F5.0 implant tap: bottom line 7mm or less, top line 8.5mm or more).

# Drilling Sequence Taper Drill

## ETIV

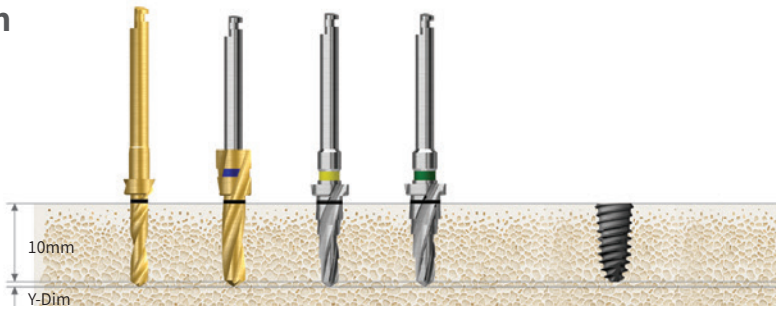
(Length: 10mm)

### Ø4.0mm



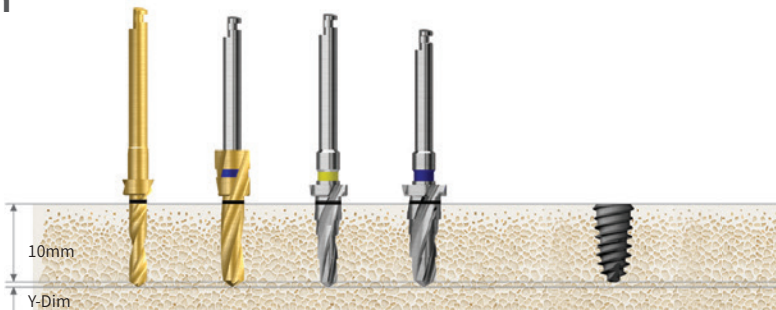
| Bone Quality | Ø2.2 Drill | F3.5 Taper Drill | Ø4.0 Implant      |
|--------------|------------|------------------|-------------------|
| D4           | ▶          |                  | Implant Placement |
| Soft         | ▶          | ▶                |                   |

### Ø4.5mm



| Bone Quality | Ø2.2 Drill | Ø3.0 Drill | F3.5 Taper Drill | F4.0 Taper Drill | Ø4.5 Implant      |
|--------------|------------|------------|------------------|------------------|-------------------|
| D4           |            | ▶          |                  |                  | Implant Placement |
| Soft         | ▶          |            | ▶                | ▶                |                   |

### Ø5.0mm



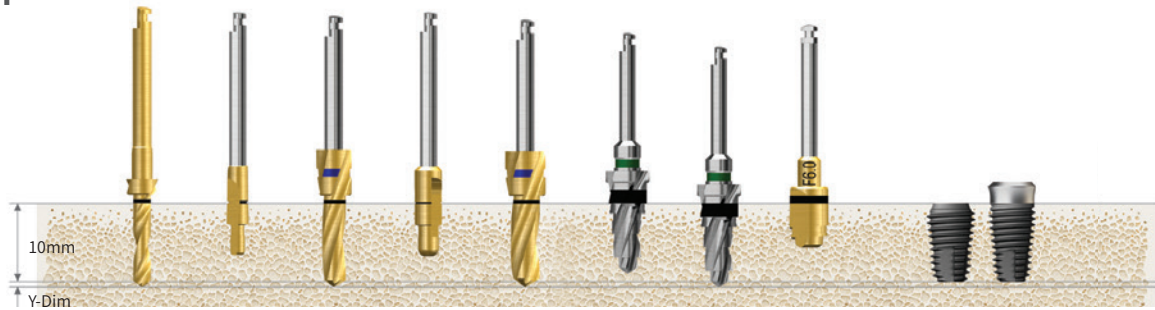
| Bone Quality | Ø2.2 Drill | Ø3.0 Drill | F3.5 Taper Drill | F4.5 Taper Drill | Ø5.0 Implant      |
|--------------|------------|------------|------------------|------------------|-------------------|
| D4           |            | ▶          |                  |                  | Implant Placement |
| Soft         | ▶          |            | ▶                | ▶                |                   |

# Drilling Sequence Taper Drill

## ETIII Ultra-wide

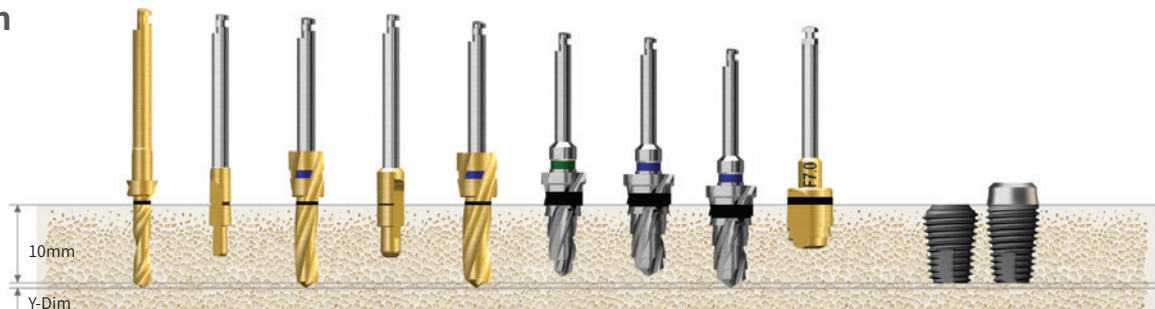
(Length: 10mm)

### Ø6.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | F6.0 Taper Drill | F6.0 Taper Drill | F6.0 Cortical Drill | Ø6.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------------|------------------|---------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶                    |            | ▶                |                  |                     | Implant Placement |
| Normal       | ▶          | ▶                    | ▶          | ▶                    | ▶          |                  | ▶                |                     |                   |
| Hard         | ▶          | ▶                    | ▶          | ▶                    | ▶          |                  | ▶                | ▶                   |                   |

### Ø7.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | F6.0 Taper Drill | F7.0 Taper Drill | F7.0 Taper Drill | F7.0 Cortical Drill | Ø7.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------------|------------------|------------------|---------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶                    |            | ▶                | ▶                |                  |                     | Implant Placement |
| Normal       | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶                |                  | ▶                |                     |                   |
| Hard         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶                |                  | ▶                | ▶                   |                   |

Recommended placement torque less than 40Ncm.

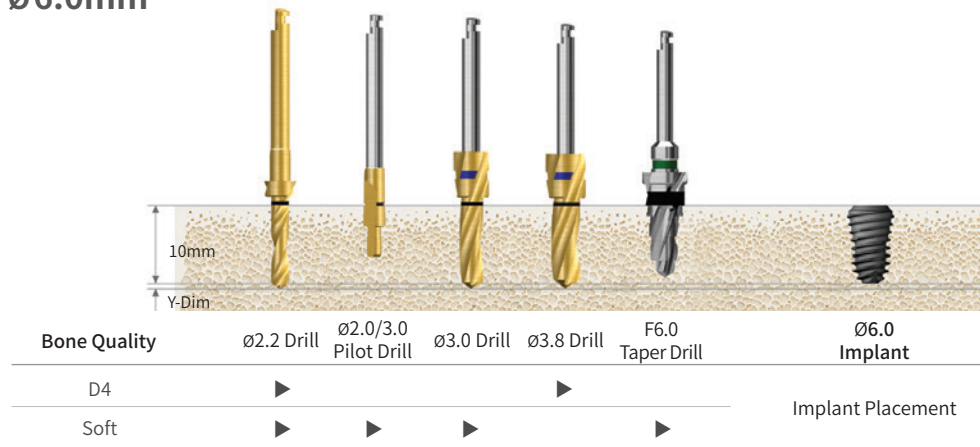
ET implant placement depth. The normal/hard bone is placed 1mm deeper than bone level, and the soft bone is placed at the bone level to maintain initial stability.

# Drilling Sequence Taper Drill

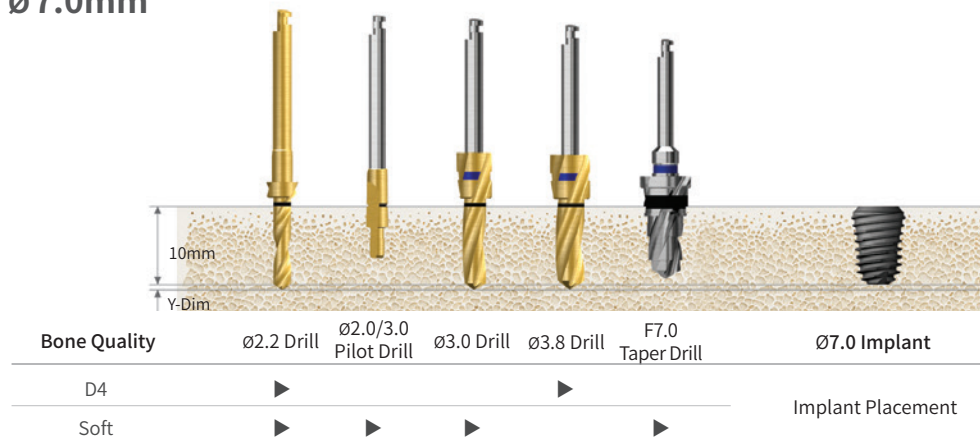
## ETIV Ultra-wide

(Length: 10mm)

### Ø6.0mm



### Ø7.0mm



Recommended placement torque less than 40Ncm.

ET implant placement depth. The normal/hard bone is placed 1mm deeper than bone level, and the soft bone is placed at the bone level to maintain initial stability.

**HIOSSEN**  
IMPLANT

# 485 Kit (H485K)

For

- EKIII
- ETIII/IV
- SSII/III
- Ultra-Wide

Top panel components

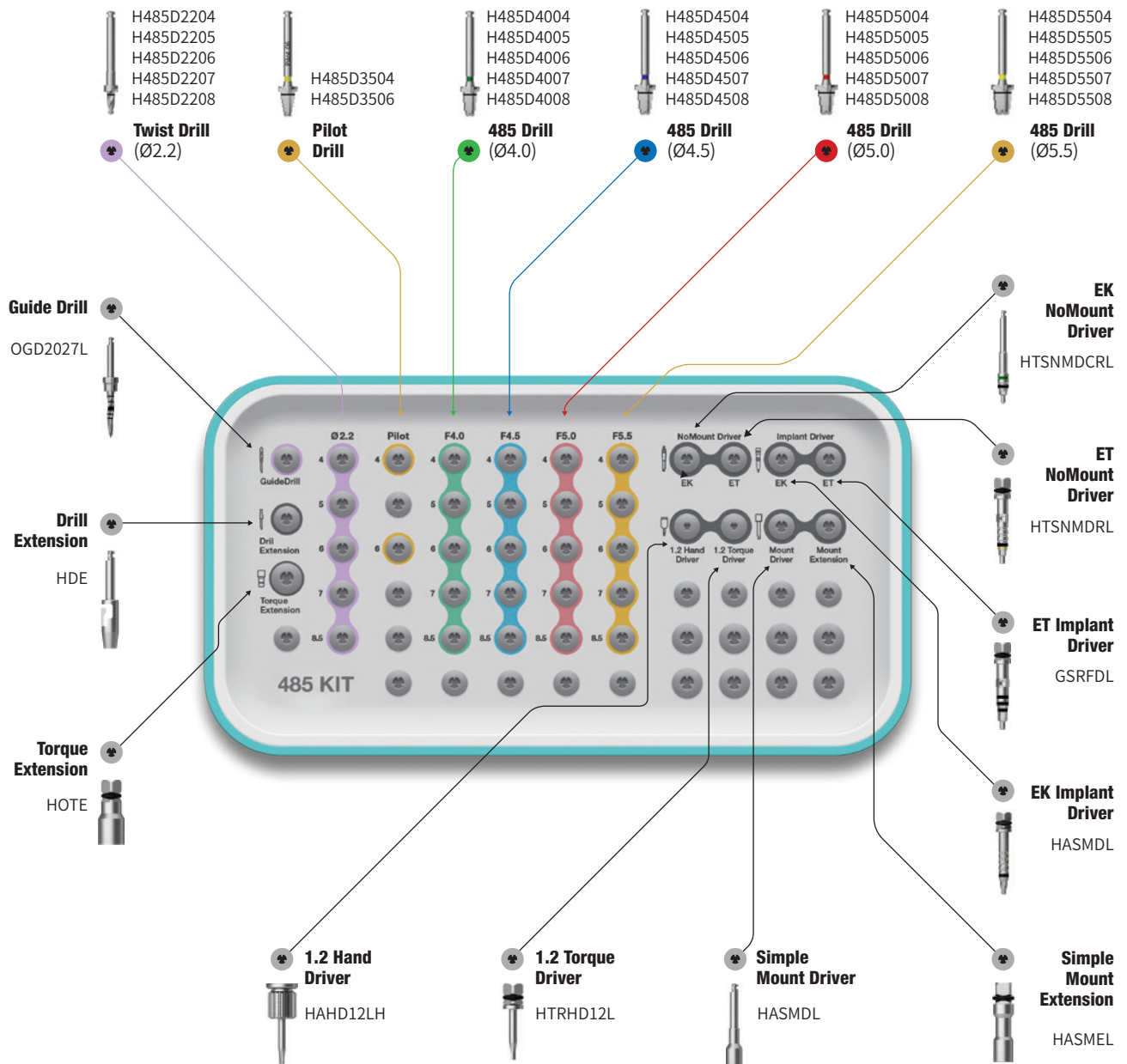
**Torque Wrench**

TQWCB




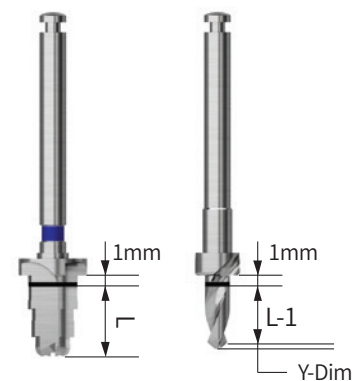
**Depth Gauge**

ODG



# 485 Kit Surgical Kit Instruments

| Guide Drill  |          |   |
|--|----------|---|
| Description  | Ø2.2     | Image   |
| <ul style="list-style-type: none"> <li>Drill for marking location of osteotomy to facilitate initial drilling</li> </ul> | OGD2027L |  |

| 485 Drill  |  |           |           |           |           |           |
|--|--|-----------|-----------|-----------|-----------|-----------|
| Description  | Image/Guide  |           |           |           |           |           |
| <ul style="list-style-type: none"> <li>Included in 485 Kit</li> <li>A drill for placing short implants in alveolar bone lacking in vertical dimension</li> <li>Ø 2.2 drill: straight drill</li> <li>Except for Ø 2.2 drill, the top blade of the drill is in the shape of CAS Drill, and the side blade is in the shape of taper drill</li> <li>A stopper drill with 1mm margin</li> <li>Recommended drilling speed: 800~1,200rpm</li> </ul> |  |           |           |           |           |           |
| L  | Ø2.2   | Pilot     | F4.0      | F4.5      | F5.0      | F5.5      |
| 4.0  | H485D2204  | H485D3504 | H485D4004 | H485D4504 | H485D5004 | H485D5504 |
| 5.0  | H485D2205  | -         | H485D4005 | H485D4505 | H485D5005 | H485D5505 |
| 6.0  | H485D2206  | H485D3506 | H485D4006 | H485D4506 | H485D5006 | H485D5506 |
| 7.0  | H485D2207  | -         | H485D4007 | H485D4507 | H485D5007 | H485D5507 |
| 8.5  | H485D2208  | -         | H485D4008 | H485D4508 | H485D5008 | H485D5508 |

# 485 Kit Surgical Kit Instruments

| Implant Driver for EK   |         |        |           |       |
|---|---------|--------|-----------|-------|
| Description   | C       | Length | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an EK implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Regular | Short  | HKSFDS    |       |
|   |         | Long   | HKSFDL    |       |

| Implant Driver for ET   |         |                 |           |       |
|---|---------|-----------------|-----------|-------|
| Description   | C       | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an ET implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Mini    | Short (17)      | HGSMFDS   |       |
|   |         | Long (24)       | GSMFDL    |       |
|   |         | Ex. Long (34)   | HGSMFDE   |       |
|   | Regular | Short (19)      | HGSRFDS   |       |
|   |         | Long (26.6)     | GSRFDL    |       |
|   |         | Ex. Long (33.6) | HGSRFDE   |       |

| NoMount Driver for EK  |         |                   |           |       |
|--|---------|-------------------|-----------|-------|
| Description  | C       | Length            | Item Code | Image |
| <ul style="list-style-type: none"> <li>Ø3.5 implant is combined with the bottom of the lower marking</li> <li>Ø4.0, Ø4.5, Ø5.0, Ø6.0 and Ø7.0 implants are combined with the upper part of the lower marking</li> <li>The distance between the two laser marking is 0.5mm</li> <li>C = Connection</li> </ul> | Regular | Short (27.6)      | HKSNMDCRS |       |
|  |         | Long (32.6)       | HKSNMDCRL |       |
|  |         | Extra Long (37.6) | HKSNMDCRE |       |

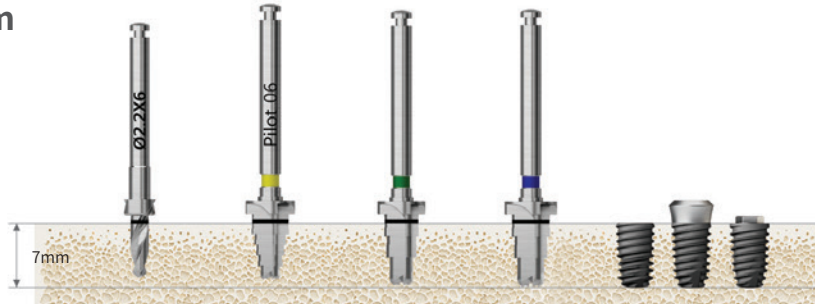
| NoMount Torque Driver for ET   |         |                 |           |       |
|--|---------|-----------------|-----------|-------|
| Description  | C       | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Directly connects to an ET Implant for placement with a Torque Wrench</li> <li>Ensure correct and complete seating before applying torque; loose connection may cause implant fracture</li> <li>C = Connection</li> </ul> | Mini    | Short (19)      | HGSNMT32S |       |
|  |         | Long (26.6)     | HGSNMT32L |       |
|  |         | Ex. Long (33.6) | HGSNMT32E |       |
|  | Regular | Short (19)      | HGSNMT35S |       |
|  |         | Long (26.6)     | HGSNMT35L |       |
|  |         | Ex. Long (33.6) | HGSNMT35E |       |

# Drilling Sequence 485 Drill

**EKIII | ETIII/IV | SSII/III | ULTRA-WIDE**

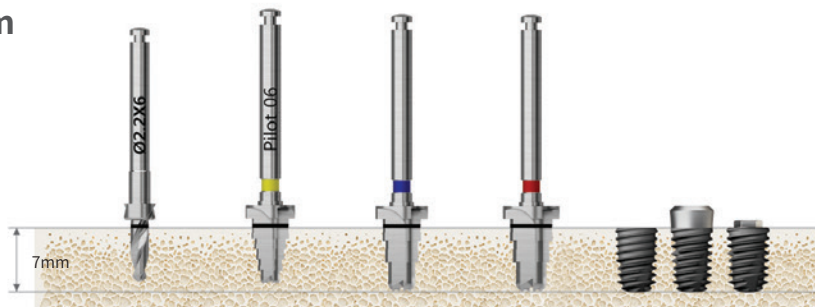
(Length: 7mm)

## Ø4.0mm



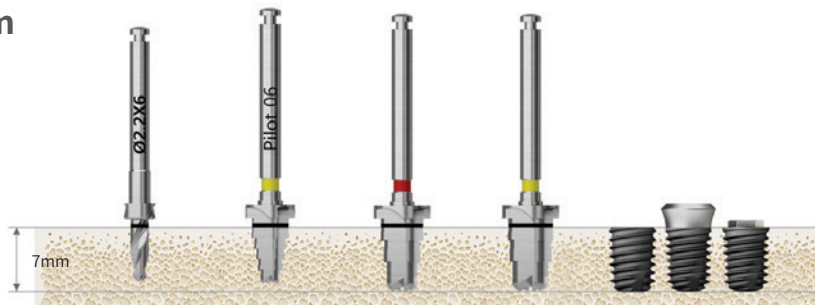
| Bone Quality | Twist Drill (Ø2.2) | Pilot Drill | 485 Drill (F4.0) | 485 Drill (F4.5) | Ø4.0 Implant      |
|--------------|--------------------|-------------|------------------|------------------|-------------------|
| Normal       | ▶                  | ▶           | ▶                |                  | Implant Placement |
| Hard         | ▶                  | ▶           |                  | ▶                |                   |

## Ø4.5mm



| Bone Quality | Twist Drill (Ø2.2) | Pilot Drill | 485 Drill (F4.5) | 485 Drill (F5.0) | Ø4.5 Implant      |
|--------------|--------------------|-------------|------------------|------------------|-------------------|
| Normal       | ▶                  | ▶           | ▶                |                  | Implant Placement |
| Hard         | ▶                  | ▶           |                  | ▶                |                   |

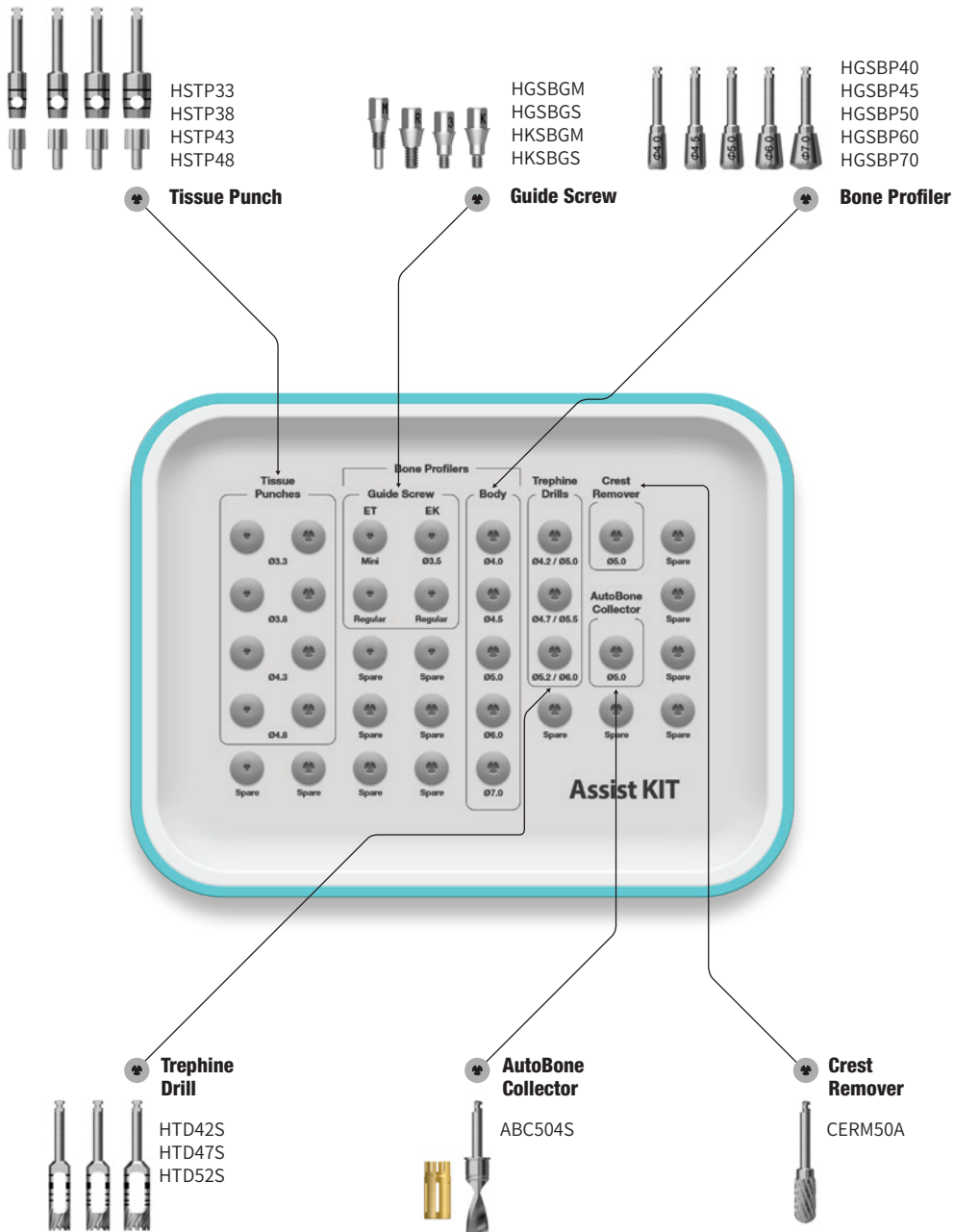
## Ø5.0mm



| Bone Quality | Twist Drill (Ø2.2) | Pilot Drill | 485 Drill (F5.0) | 485 Drill (F5.5) | Ø5.0 Implant      |
|--------------|--------------------|-------------|------------------|------------------|-------------------|
| Normal       | ▶                  | ▶           | ▶                |                  | Implant Placement |
| Hard         | ▶                  | ▶           |                  | ▶                |                   |

# Assist Kit (HOAK)

• Bone profilers are only sold in the packing unit of “Guide Screw + Bone Profiler”



# Assist Kit Surgical Instrument

| Tissue Punch  |       |             |        |      |           |
|---|-------|-------------|--------|------|-----------|
| Description/Item code   |       | Image/Guide |        |      |           |
| <ul style="list-style-type: none"> <li>For flapless surgery</li> <li>Laser marking to measure the height of gingiva, marked in 2mm increments</li> <li>Packing unit: tissue punch + guide pin</li> <li>Recommend to use a tissue punch smaller than the healing abutment by 0.7 to 1.5mm</li> </ul> |       |             |        |      |           |
| ET  | SS    |             |        | D/Ø  | Item Code |
| Ø 4.0/4.5   | -     |             |        | Ø3.3 | HSTP33    |
| Ø 4.5/5.0   | Ø 4.8 |             |        | Ø3.8 | HSTP38    |
| Ø 5.0   | -     |             |        | Ø4.3 | HSTP43    |
| Ø 6.0   | Ø 6.0 |             |        | Ø4.8 | HSTP48    |
| Ø 6.0   | Ø 6.0 | Ø5.3        | HSTP53 |      |           |
| Application healing abutment standard   |       |             |        |      |           |

| Bone Profiler  |                                       |                                |  |
|--|---------------------------------------|--------------------------------|--|
| Description/Item code  |                                       | Image/Guide                    |  |
| <ul style="list-style-type: none"> <li>Used to remove bone around the implant after first or second stage surgery</li> <li>Connect the Guide Screw to the implant in order to center the profiler</li> <li>Guide screw protects the implant's platform from damage</li> <li>Packing unit: bone profiler + guide screw</li> <li>C = Connection</li> </ul> |                                       |                                |  |
| D<br>(Healing Abutment)  | ET                                    |                                | EK                                       |
| Ø4.0   | HGSBP40<br>Mini + Regular guide screw |                                | HKSBP40<br>3.3/3.5 + Regular guide screw |
| Ø4.5   | HGSBP45<br>Mini + Regular guide screw |                                | HKSBP45<br>3.3/3.5 + Regular guide screw |
| Ø5.0   | HGSBP50<br>Regular guide screw        |                                | HKSBP50<br>Regular guide screw           |
| Ø6.0   | HGSBP60<br>Regular guide screw        |                                | HKSBP60<br>Regular guide screw           |
| Ø7.0   | HGSBP70<br>Regular guide screw        | HKSBP70<br>Regular guide screw |  |
| Guide Screw  |                                       |                                |  |
|  | HGSBGM<br>Mini                        | HKSBGM<br>3.3/3.5              |  |
|  | HGSBGS<br>Regular                     | HKSBGS<br>Regular              |  |

| Trepine Drill  |        |             |       |
|--|--------|-------------|-------|
| Description/Item code  |        | Image/Guide |       |
| <ul style="list-style-type: none"> <li>Harvests bone or removes a failed implant</li> <li>Used to remove septal bone</li> <li>Can also be used as the initial drill for ultra-wide implants</li> </ul> |        |             |       |
| D/Ø (Inner/Outer)  | Short  |             | Long  |
| 3.7/4.5  | HTD37S |             | HTD37 |
| 4.2/5.0  | HTD42S |             | HTD42 |
| 4.7/5.5  | HTD47S |             | HTD47 |
| 5.2/6.0  | HTD52S |             | HTD52 |
| 5.7/6.5  | HTD57S |             | HTD57 |
| 6.2/7.0  | HTD62S | HTD62       |       |

| Crest Remover  |        |             |         |
|--|--------|-------------|---------|
| Description/Item code  |        | Image/Guide |         |
| <ul style="list-style-type: none"> <li>Marking the implant placement position after removing the narrow alveolar ridge horizontally</li> <li>Recommended drilling speed               <ul style="list-style-type: none"> <li>- Angled type: 1,200~1,500rpm</li> <li>- Straight type: 15,000~30,000rpm</li> </ul> </li> </ul> |        |             |         |
| L  | 29     |             | 45      |
| D Ø5.0   | ERM50A |             | CERM50S |
| D Ø7.0   | -      |             | CERM70A |

| AutoBone Collector®   |               |             |              |
|---|---------------|-------------|--------------|
| Description/Item code   |               | Image/Guide |              |
| <ul style="list-style-type: none"> <li>Used for autogenous bone collecting</li> <li>Comes in a Drill + Stopper set</li> <li>Recommended drilling speed: 300~600rpm</li> <li>Number of uses for the drill and stopper: 50 times</li> </ul> <p>※ 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 as it is with autogenous bone kept in the stopper)</p> |               |             |              |
| D   | Short (18.94) |             | Long (21.94) |
| Ø3.0  | ABC304S       |             | ABC304L      |
| Ø4.0  | ABC404S       |             | ABC404L      |
| Ø5.0  | ABC504S       |             | ABC504L      |
| Ø6.0  | ABC604S       |             | ABC604L      |

**HiOSSEN**  
IMPLANT

# Ultra Kit (HULTRK)

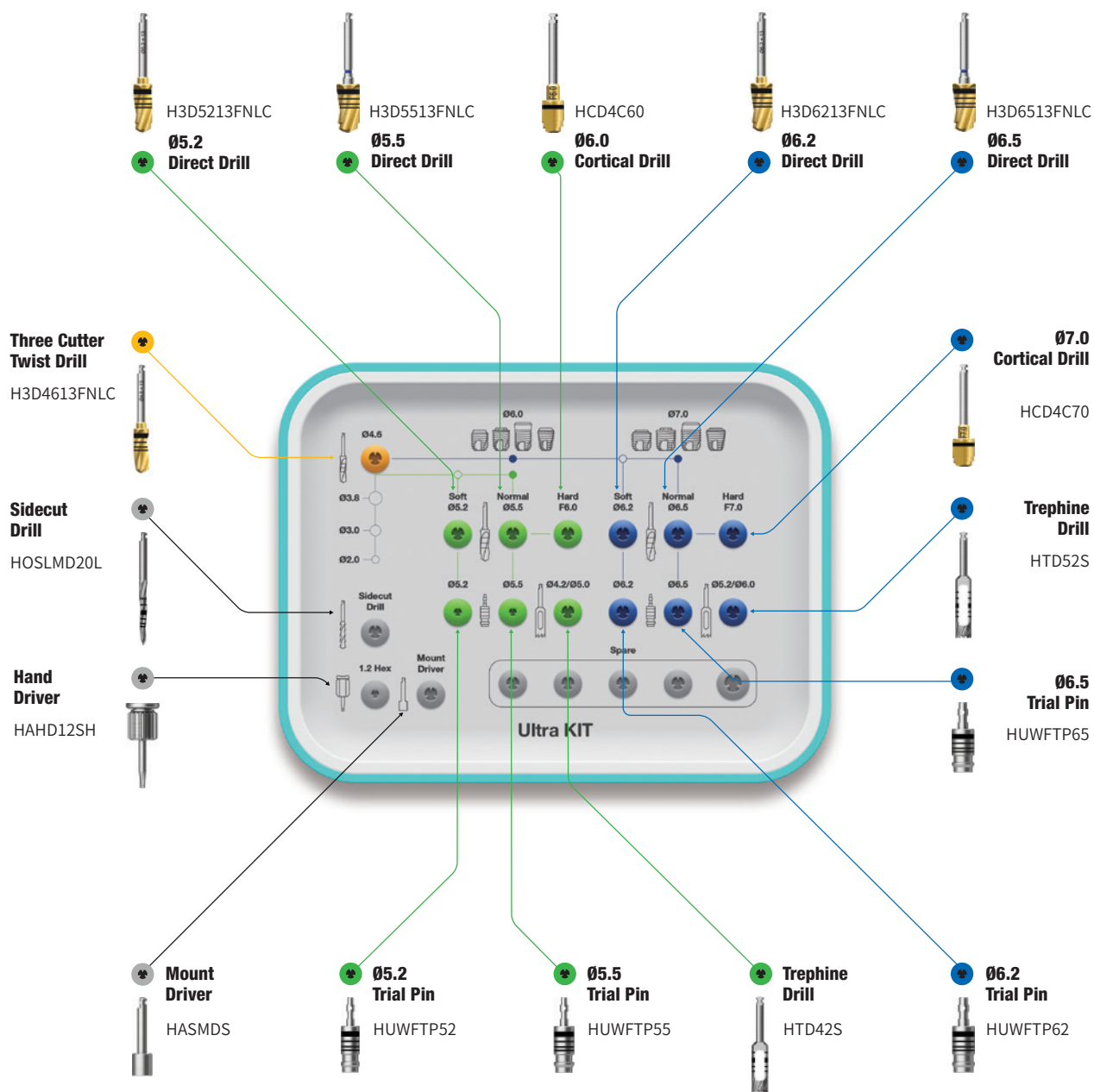
For **Ultra-Wide**

Lower panel components


**Open Wrench**  
SPOW

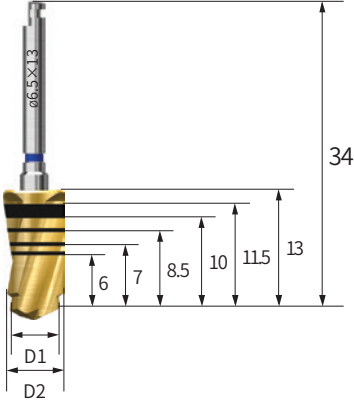


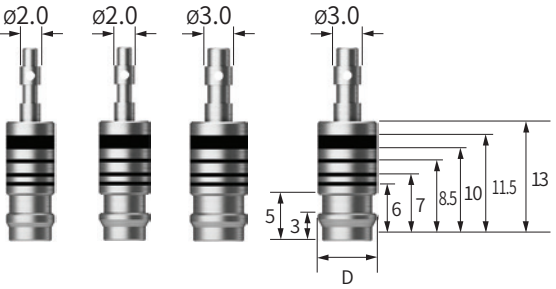
**Ratchet Wrench**  
RCWC



# Ultra Kit Surgical Kit Instruments

| Sidecut Drill   |  |           |   |
|---|--|-----------|---|
| Description   |  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Forming a hole to facilitate initial drilling</li> <li>Bone density determined through drilling</li> </ul> |  | HOSLMD20L |  |

| Direct Drill  |                 |             |   |
|---|-----------------|-------------|---|
| Description   | D1/D2           | Item code   | Image/Guide   |
| <ul style="list-style-type: none"> <li>Direct drill: two-step drill that functions like a pilot and twist drill</li> <li>Final drilling is possible without using pilot drill</li> <li>Increases initial stability in an extraction socket due to the reduced dead space at the apex</li> </ul> | <b>Ø4.6/5.2</b> | H3D5213FNLC |  |
|   | <b>Ø4.6/5.5</b> | H3D5513FNLC |   |
|   | <b>Ø5.5/6.2</b> | H3D6213FNLC |   |
|   | <b>Ø5.5/6.5</b> | H3D6513FNLC |   |

| Trial Pin for Ultra-wide  |             |           |  |
|---|-------------|-----------|--|
| Description   | D           | Item code | Image/Guide  |
| <ul style="list-style-type: none"> <li>Measures the width and depth of a failed implant site</li> <li>Measures the drilling depth after using the direct drill as the final drill</li> <li>Also serves as a parallel pin</li> </ul> | <b>Ø5.2</b> | HUWFTP52  |  |
|   | <b>Ø5.5</b> | HUWFTP55  |  |
|   | <b>Ø6.2</b> | HUWFTP62  |  |
|   | <b>Ø6.5</b> | HUWFTP65  |  |

# Ultra Kit Surgical Kit Instruments

| Cortical Drill for Ultra-wide   |             |           |       |
|---|-------------|-----------|-------|
| Description   | D/Ø         | Item code | Image |
| <ul style="list-style-type: none"> <li>Trims cortical bone in hard bone cases (for ultra-wide type implants)</li> <li>Drill specifically designed for ultra-wide implant's unique diameter</li> <li>Drilling recommended until the bottom of the marker has been reached</li> </ul> | <b>F6.0</b> | HCD4C60   |       |
|   | <b>F7.0</b> | HCD4C70   |       |

| Trepine Drill  |        |             |
|--|--------|-------------|
| Description/Item code  |        | Image/Guide |
| <ul style="list-style-type: none"> <li>Harvests bone or removes a failed implant</li> <li>Used to remove septal bone</li> <li>Can also be used as the initial drill for ultra-wide implants</li> </ul> |        |             |
| D/Ø (Inner/Outer)  | Short  |             |
| 3.7/4.5  | HTD37S | HTD37S      |
| 4.2/5.0  | HTD42S | HTD42S      |
| 4.7/5.5  | HTD47S | HTD47S      |
| 5.2/6.0  | HTD52S | HTD52S      |
| 5.7/6.5  | HTD57S | HTD57S      |
| 6.2/7.0  | HTD62S | HTD62S      |

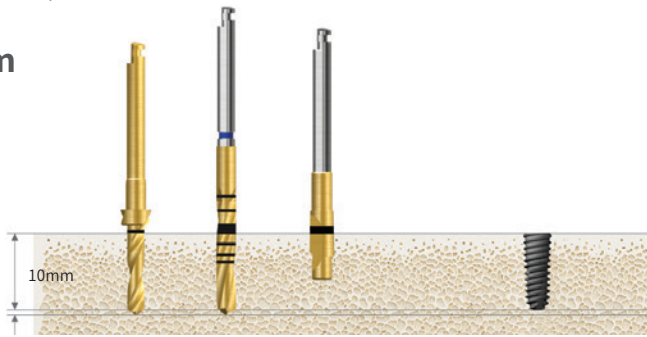
**HIOSSEN**  
IMPLANT

# Drilling Sequence III Type Straight Drill

**EKIII | ETIII | SSIII**

(Length: 10mm)

## Ø3.2mm



| Bone Quality | Ø2.2 Drill | Ø2.7 Drill | F3.0 Cortical Drill 2 | Ø3.0 Implant      |
|--------------|------------|------------|-----------------------|-------------------|
| Soft         | ▶          |            |                       | Implant Placement |
| Normal       | ▶          | ▶          |                       |                   |
| Hard         | ▶          | ▶          | ▶                     |                   |

## Ø3.5mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | F3.5 Cortical Drill 3 | F3.5 Cortical Drill 3 | Ø3.5 Implant      |
|--------------|------------|----------------------|------------|-----------------------|-----------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          |                       |                       | Implant Placement |
| Normal       | ▶          | ▶                    | ▶          | ▶                     |                       |                   |
| Hard         | ▶          | ▶                    | ▶          |                       | ▶                     |                   |

## Ø4.0mm



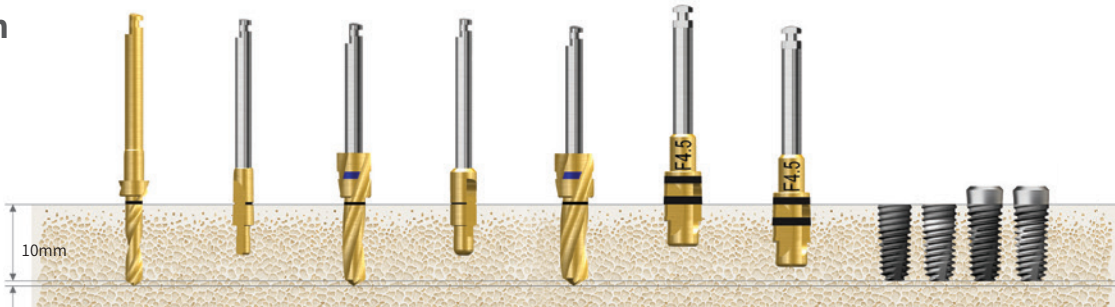
| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.3 Drill | F4.0 Cortical Drill 3 | F4.0 Cortical Drill 3 | Ø4.0 Implant      |
|--------------|------------|----------------------|------------|------------|-----------------------|-----------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶          |                       |                       | Implant Placement |
| Normal       | ▶          | ▶                    | ▶          | ▶          | ▶                     |                       |                   |
| Hard         | ▶          | ▶                    | ▶          | ▶          |                       | ▶                     |                   |

# Drilling Sequence III Type Straight Drill

**EKIII | ETIII | SSIII**

(Length: 10mm)

## Ø4.5mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | F4.5 Cortical Drill 3 | F4.5 Cortical Drill 3 | Ø4.5 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|-----------------------|-----------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          |                       |                       |                   |
| Normal       | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶                     |                       | Implant Placement |
| Hard         | ▶          | ▶                    | ▶          | ▶                    | ▶          |                       | ▶                     |                   |

## Ø5.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.3 Drill | F5.0 Cortical Drill 3 | F5.0 Cortical Drill 3 | Ø5.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------|-----------------------|-----------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          |            |                       |                       |                   |
| Normal       | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          | ▶                     |                       | Implant Placement |
| Hard         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          |                       | ▶                     |                   |

## Ø5.5mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.6 Drill | F5.5 Cortical Drill 3 | F5.5 Cortical Drill 3 | Ø5.5 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------|-----------------------|-----------------------|-------------------|
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          |                       |                       |                   |
| Normal       | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          | ▶                     |                       | Implant Placement |
| Hard         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          |                       | ▶                     |                   |

Recommended insertion torque ≤40Ncm.

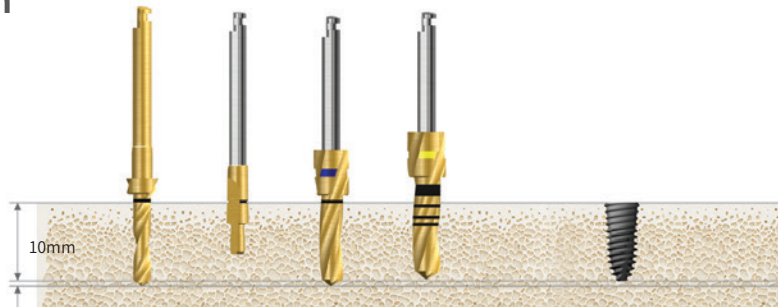
ET implant insertion depth in normal/hard bone is placed 1mm deeper than the bone level, and the soft bone is placed at the bone level to maintain initial stability.

# Drilling Sequence IV Type Straight Drill

## ETIV

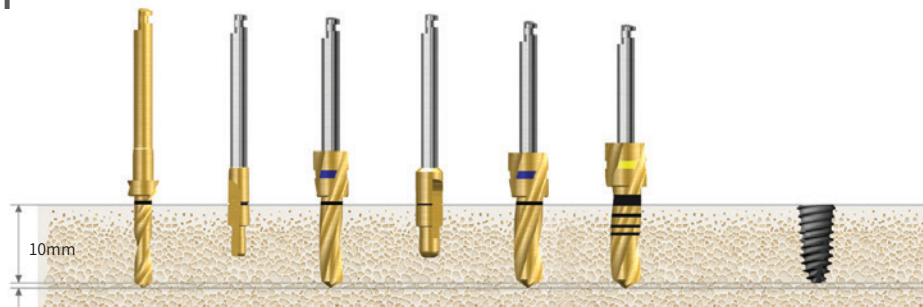
(Length: 10mm)

### Ø4.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0 Drill (Half) | Ø4.0 Implant      |
|--------------|------------|----------------------|------------|-------------------|-------------------|
| D4           | ▶          |                      |            |                   | Implant Placement |
| Soft         | ▶          | ▶                    | ▶          | ▶                 |                   |

### Ø4.5mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.1 Drill (Half) | Ø4.5 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|-------------------|-------------------|
| D4           |            |                      | ▶          |                      |            |                   | Implant Placement |
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶                 |                   |

### Ø5.0mm



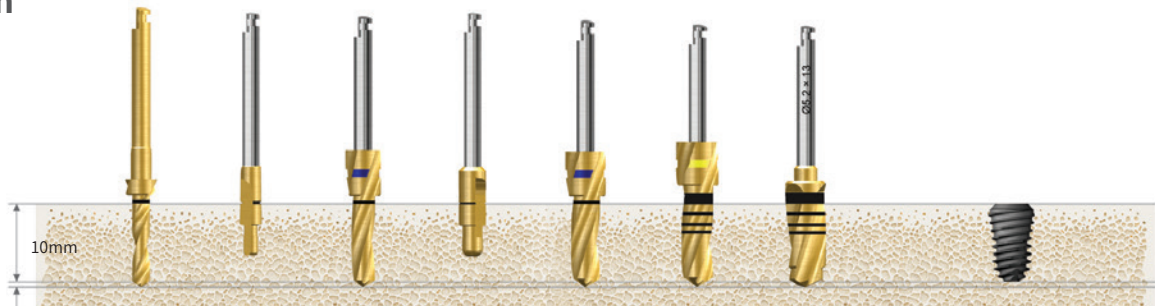
| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.6 Drill (Half) | Ø5.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|-------------------|-------------------|
| D4           |            |                      | ▶          |                      |            |                   | Implant Placement |
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶                 |                   |

# Drilling Sequence Ultra-wide Straight Drill

## ETIV Ultra-Wide

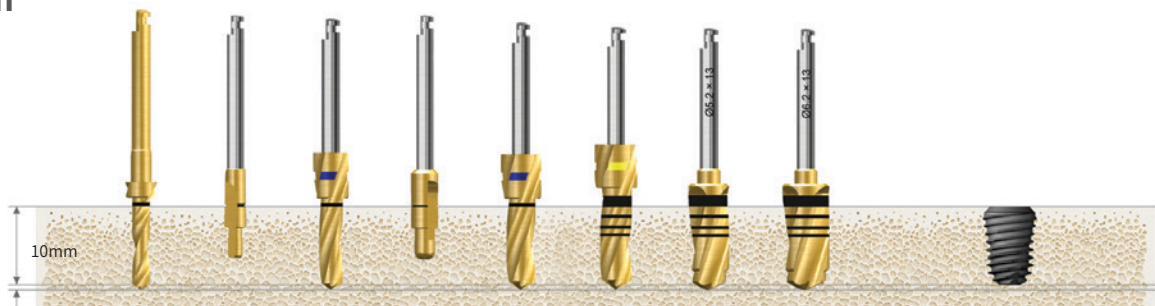
(Length: 10mm)

### Ø6.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.6 Drill | Ø5.2 Direct Drill | Ø6.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------|-------------------|-------------------|
| D4           | ▶          | ▶                    |            |                      | ▶          |            |                   | Implant Placement |
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          | ▶                 |                   |

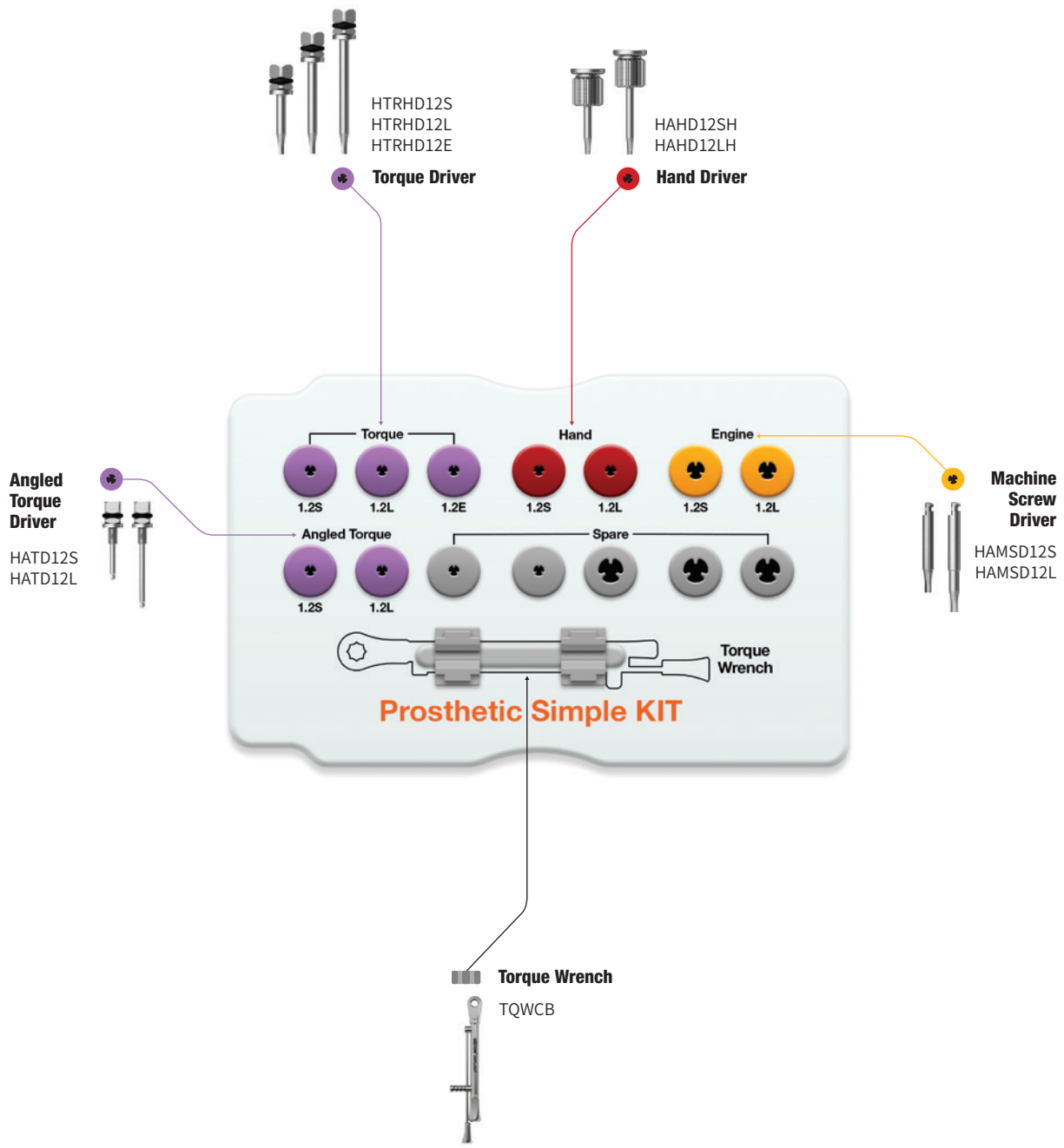
### Ø7.0mm



| Bone Quality | Ø2.2 Drill | Ø2.0/3.0 Pilot Drill | Ø3.0 Drill | Ø3.0/3.8 Pilot Drill | Ø3.8 Drill | Ø4.6 Drill | Ø5.5 Direct Drill | Ø6.2 Direct Drill | Ø7.0 Implant      |
|--------------|------------|----------------------|------------|----------------------|------------|------------|-------------------|-------------------|-------------------|
| D4           | ▶          | ▶                    |            |                      | ▶          | ▶          |                   |                   | Implant Placement |
| Soft         | ▶          | ▶                    | ▶          | ▶                    | ▶          | ▶          | ▶                 | ▶                 |                   |

Recommended insertion torque ≤40Ncm

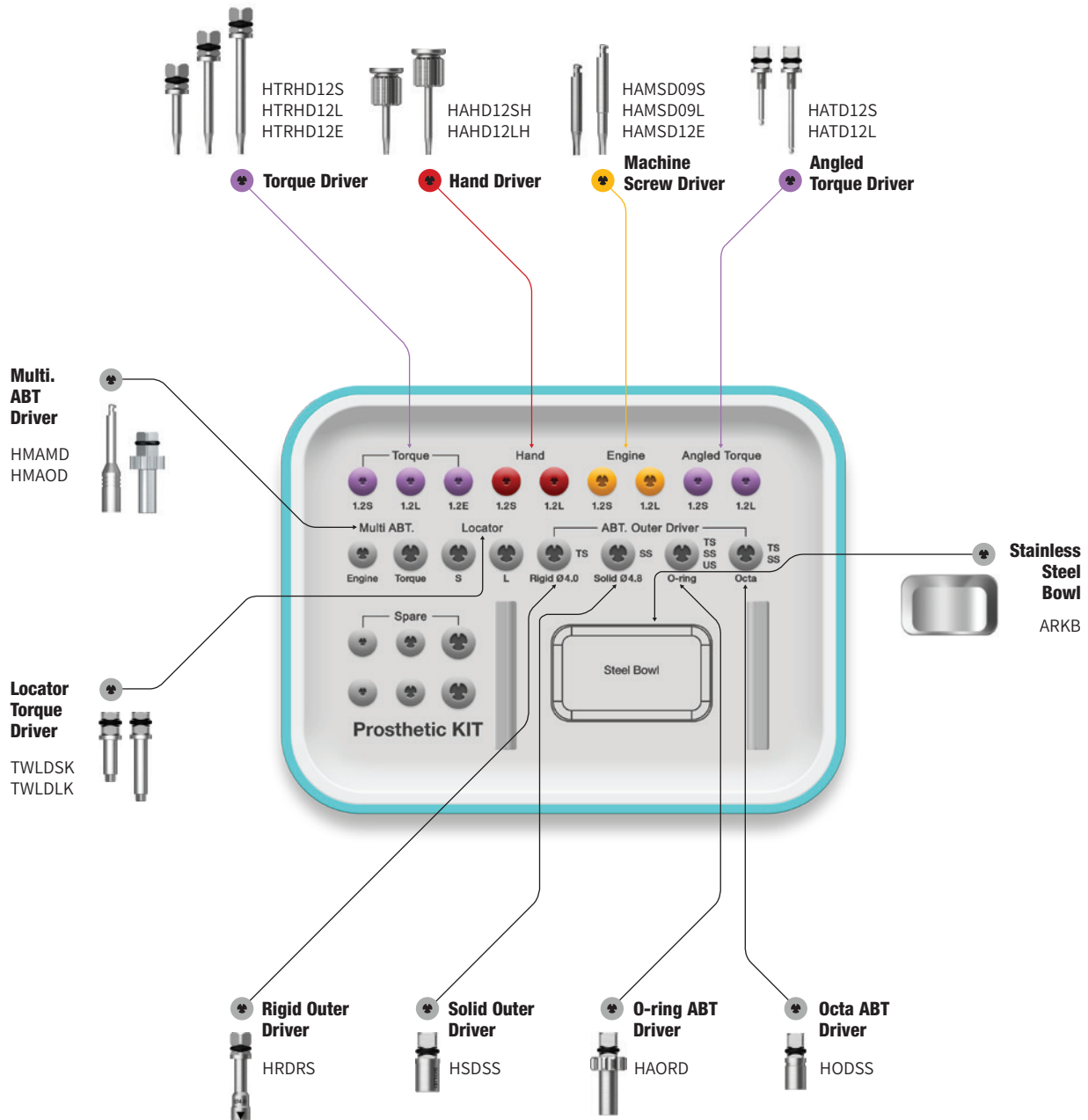
# Prosthetic Simple Kit (HPSK)



# Prosthetic Kit (HPRSTKA)

Top Panel Components

**Torque Wrench**  
TQWCB

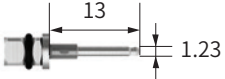
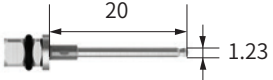


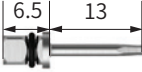
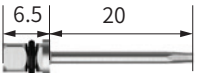
# Prosthetic Kit Surgical Kit Instruments

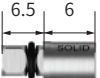
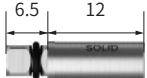
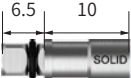
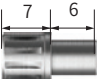

| Hand Driver  |                     |           |           |       |  |
|--|---------------------|-----------|-----------|-------|--|
| Description  | L                   | 0.9 Hex   | 1.2 Hex   | Image |  |
| <ul style="list-style-type: none"> <li>Manual driver</li> <li>Tip holding function (except internal hex type)</li> <li>Internal hex type length: 11mm</li> </ul> | <b>Ex.Short (8)</b> | HAHD09MSH | HAHD12MSH |       |  |
|  | <b>Short (13)</b>   | HAHD09SH  | HAHD12SH  |       |  |
|  | <b>Middle (15)</b>  | -         | HAHD12MH  |       |  |
|  | <b>Long (18)</b>    | HAHD09LH  | HAHD12LH  |       |  |
|  | <b>Ex.Long (25)</b> | -         | HAHD12EH  |       |  |

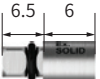
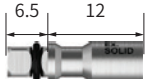
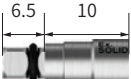


| Machine Screw Driver   |                          |                       |  |       |  |
|--|--------------------------|-----------------------|--|-------|--|
| Description  | L                        | 0.9 Hex               | 1.2 Hex  | Image |  |
| <ul style="list-style-type: none"> <li>1.2 hex driver for engine handpiece</li> <li>Tip holding function (except in internal hex type)</li> <li>Internal hex type length: 8mm</li> </ul> | <b>Osstem Torque (5)</b> | -                     | -  |       |  |
|  | <b>Short (5.6)</b>       | HAMSD09S              | HAMSD12S   |       |  |
|  | <b>Long (11.6)</b>       | HAMSD09L              | HAMSD12L   |       |  |
|  | <b>Ex.Long (17.6)</b>    | -                     | HAMSD12E   |       |  |
| <p><b>Application Driver Applied Products</b><br/>(common for hand, machine screw and torque driver)</p>   |                          | Cover screw (US mini) | Healing abutment, UCLA, Cemented abutment screw, Mount screw |       |  |

| Torque Driver  |                     |          |          |           |       |
|--|---------------------|----------|----------|-----------|-------|
| Description  | L                   | 0.5 Slot | 0.9 Hex  | 1.2 Hex   | Image |
| <ul style="list-style-type: none"> <li>Driver for torque wrench</li> <li>Tip holding function</li> <li>May bend or break if excessive torque is applied</li> <li>Damage is possible even at low torque if not fully engaged</li> <li>Apply vertical pressure when applying torque driver (Do not tilt)</li> <li>If the tip is bent or stripped, replace immediately</li> </ul> | <b>Ex.Short (8)</b> | -        | -        | HTRHD12MS |       |
|  | <b>Short (13)</b>   | HTRSD05S | HTRHD09S | HTRHD12S  |       |
|  | <b>Middle (15)</b>  | -        | -        | HTRHD12M  |       |
|  | <b>Long (20)</b>    | HTRSD05L | HTRHD09L | HTRHD12L  |       |
|  | <b>Ex.Long (25)</b> | HTRSD05E | -        | HTRHD12SE |       |

| Angled Torque Driver  |                   |         |               |   |
|---|-------------------|---------|---------------|---|
| Description   | L                 | 1.2 Hex | 1.2 Hex (Set) | Image   |
| <ul style="list-style-type: none"> <li>• Driver for torque wrench</li> <li>• No holding function</li> <li>• Recommended tightening torque: 30Ncm (excessive torque causes fracture)</li> <li>• Do not remove tube to prevent fragmentation when broken</li> <li>• Recommended number of use: 10 times</li> <li>• Set: 3 per pack</li> </ul> | <b>Short (13)</b> | HATD12S | HATD12S3S     |  |
|   | <b>Long (20)</b>  | HATD12L | HATD12L3S     |  |

| Repair Torque Driver   |                   |           |   |
|--|-------------------|-----------|---|
| Description  | L                 | 1.2 Hex   | Image   |
| <ul style="list-style-type: none"> <li>• Reduced diameter of shank compared to the Torque Driver (Ø2.1 → 1.6)</li> <li>• The diameter of the screw hole can be minimized during prosthetic repair or SCRIP procedures</li> </ul> | <b>Short (13)</b> | HTRHD12SR |  |
|  | <b>Long (20)</b>  | HTRHD12LR |  |

| Solid Abutment Driver  |               | Regular  |   | Wide  |          |
|--|---------------|--|---|---|----------|
| Description  | Type          | Short (6)  | Long (12)   | Short (10)  | Long (L) |
| <ul style="list-style-type: none"> <li>• Driver specific for solid abutments</li> <li>• Connect to the solid abutment by matching up the groove with the triangular indicator</li> <li>• Recommended tightening torque: 30Ncm</li> </ul> | <b>Square</b> | <br>HSDSS | <br>HSDSL | <br>HSD60S | -        |
|  | <b>Round</b>  | <br>HSDRS | <br>HSDRL | -   | -        |

| Excellent Solid Abutment Driver   |               | Regular   |  | Wide   |          |
|---|---------------|---|--|--|----------|
| Description   | Type          | Short (6)   | Long (12)  | Short (10)   | Long (L) |
| <ul style="list-style-type: none"> <li>• Driver for Excellent Solid Abutments</li> <li>• Connect to the solid abutment by matching up the groove with the triangular indicator</li> <li>• Recommended tightening torque: 30Ncm</li> </ul> | <b>Square</b> | <br>HESDSS | <br>HESDSL | <br>HESD60S | -        |
|   | <b>Round</b>  | <br>HESDRS | <br>HESDRL | -  | -        |

# Prosthetic Kit Surgical Kit Instruments

| O-ring Abutment Driver   |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Driver for Stud Abutment</li> </ul> | HAORD     |       |

| Rigid Outer Driver   |                |              |             |       |
|--|----------------|--------------|-------------|-------|
| Description  | D/Ø (Abutment) | Short (16.5) | Long (21.5) | Image |
| <ul style="list-style-type: none"> <li>Driver for Rigid Abutments</li> <li>Recommended tightening torque: 30Ncm</li> </ul> | Ø4.0           | HRDMS        | HORDML      |       |
|  | Ø4.5           | HRD45S       | HRD45L      |       |
|  | Ø5.0           | HRDRS        | HRDRL       |       |
|  | Ø6.0           | HRDWS        | HRDWL       |       |

| Octa Abutment Driver  |        |               |              |
|---|--------|---------------|--------------|
| Description   | Type   | Short         | Long         |
| <ul style="list-style-type: none"> <li>Driver for Octa Abutments</li> <li>Recommended tightening torque: 30Ncm</li> </ul> | Square | 12.5<br>HODSS | 18.5<br>HDSL |
|   | Round  | 13.4<br>HDRS  | 19.4<br>HDRL |

| Multi Abutment Machine Driver  |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Machine driver for Multi-Abutments</li> </ul> | HMAMD     |       |

| Abutment Holder  |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Used to hold abutments and help deliver them to hard-to-reach sites of the oral cavity</li> </ul> | HOABH     |       |

| Multi Abutment Outer Driver   |        |           |       |
|---|--------|-----------|-------|
| Description   | Type   | Item Code | Image |
| <ul style="list-style-type: none"> <li>Torque driver for Multi-Abutments</li> </ul> | Normal | HMAODP    |       |
|   | Rescue | HMAOD     |       |

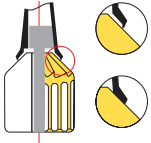
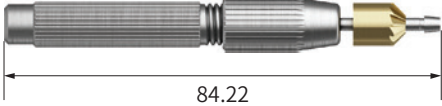
| Locator Abutment Driver   |       |           |       |
|---|-------|-----------|-------|
| Description   | Type  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Torque driver for Locator Abutments</li> </ul> | Short | TWLDSK    |       |
|   | Long  | TWLDLK    |       |


| Torque Driver   |                 |            |           |       |
|---|-----------------|------------|-----------|-------|
| Description   | Type            | Short (10) | Long (15) | Image |
| <ul style="list-style-type: none"> <li>It may not be fastened or disconnected when connecting a normal handpiece</li> <li>Driver should be used after matching the groove or section of the outer triangle and abutment</li> <li>Solid, excellent solid driver is compatible only with Ø4.8</li> <li>1.2 hex type L is 5</li> </ul> | 1.2 Hex         | HTH12S     | -         |       |
|   | Rigid 4.0       | HTR40S     | HTR40L    |       |
|   | Rigid 4.5       | HTR45S     | HTR45L    |       |
|   | Rigid 5.0       | HTR50S     | HTR50L    |       |
|   | Rigid 6.0       | HTR60S     | HTR60L    |       |
|   | Solid           | HTS48S     | HTS48L    |       |
|   | Excellent Solid | HTE48S     | HTE48L    |       |

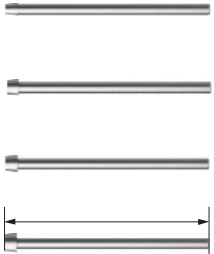
| Path Probe for ET   |            |             |       |
|---|------------|-------------|-------|
| Description   | Connection | Item Code   | Image |
| <ul style="list-style-type: none"> <li>Tool to check path and measure gingival height after ET implant placement</li> <li>C = Connection</li> </ul> | Mini       | GIPAP-3016A |       |
|   | Regular    | GIPAP-3516A |       |

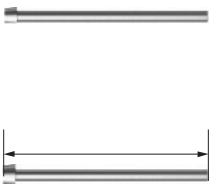
| Path Probe for EK   |            |           |       |
|---|------------|-----------|-------|
| Description   | Connection | Item Code | Image |
| <ul style="list-style-type: none"> <li>Tool to check path and measure gingival height after EK implant placement</li> <li>C = Connection</li> </ul> | Regular    | HKSPPR    |       |

# Prosthetic Kit Surgical Kit Instruments

| Finishing Reamer Set   |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Tool used to remove the excess cast after plastic coping is set</li> </ul> <p><b>Reamer user guide</b></p> <ol style="list-style-type: none"> <li>Select a reamer tip that is the same size as Abutment size and connect it to the burn-out cylinder</li> <li>Firmly grasp the casting body and rotate the Reamer Bite with consistent force</li> <li>Ream the body until it is clean and free of the excess casting</li> </ol>  | HFRSC     |  |

| Reamer Bite   |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Tool used to remove the excess cast after plastic coping is set</li> </ul> | HFRBC     |  |

| Reamer Tip for Rigid Abutment   |      |            |   |
|---|------|------------|---|
| Description   | D/Ø  | Item Code  | Image   |
| <ul style="list-style-type: none"> <li>Tool used to remove the excess cast after plastic coping is set</li> </ul> | Ø4.0 | HGSRFRT400 |  |
|   | Ø4.5 | HGSRFRT450 |   |
|   | Ø5.0 | HGSRFRT500 |   |
|   | Ø6.0 | HGSRFRT600 |   |

| Reamer Tip for Solid, Excellent Solid Abutment  |                        |          |           |   |
|---|------------------------|----------|-----------|---|
| Description   | Platform               | Solid    | Ex. Solid | Image   |
| <ul style="list-style-type: none"> <li>Tool used to remove the excess cast after plastic coping is set</li> <li>For both solid Ø6.0 and excellent solid Ø4.8</li> <li>P = Platform</li> </ul> | <b>Regular</b><br>Ø4.8 | HFRTS480 | HFRTTE480 |  |
|   | <b>Wide</b><br>Ø6.0    | HFRTS600 | HFRTTE600 |   |

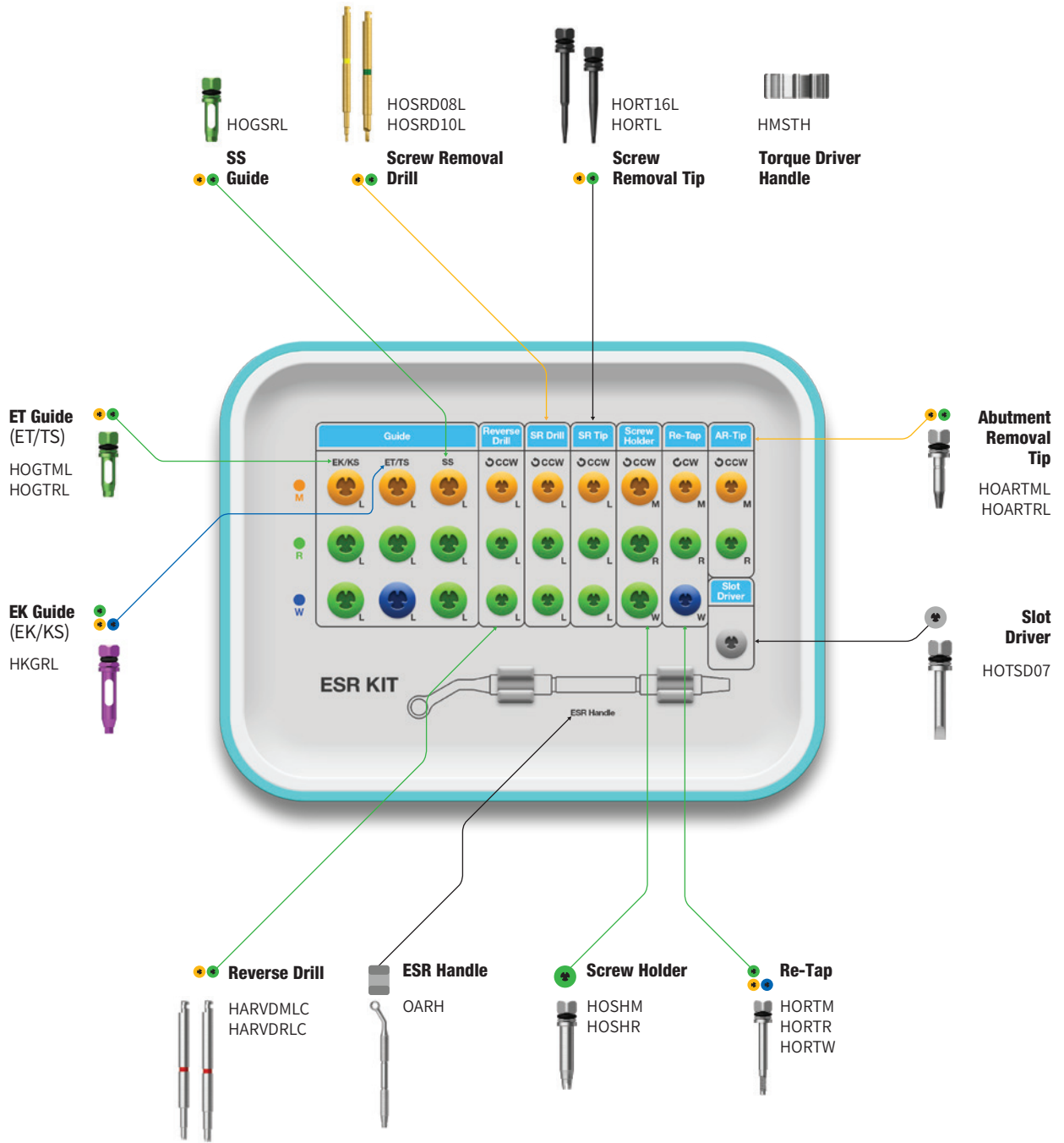
**HIOSSEN**  
IMPLANT

# ESR Kit Easy Screw Removal Kit (HESRK)

※ ESR (EK) Kit: HKESRK

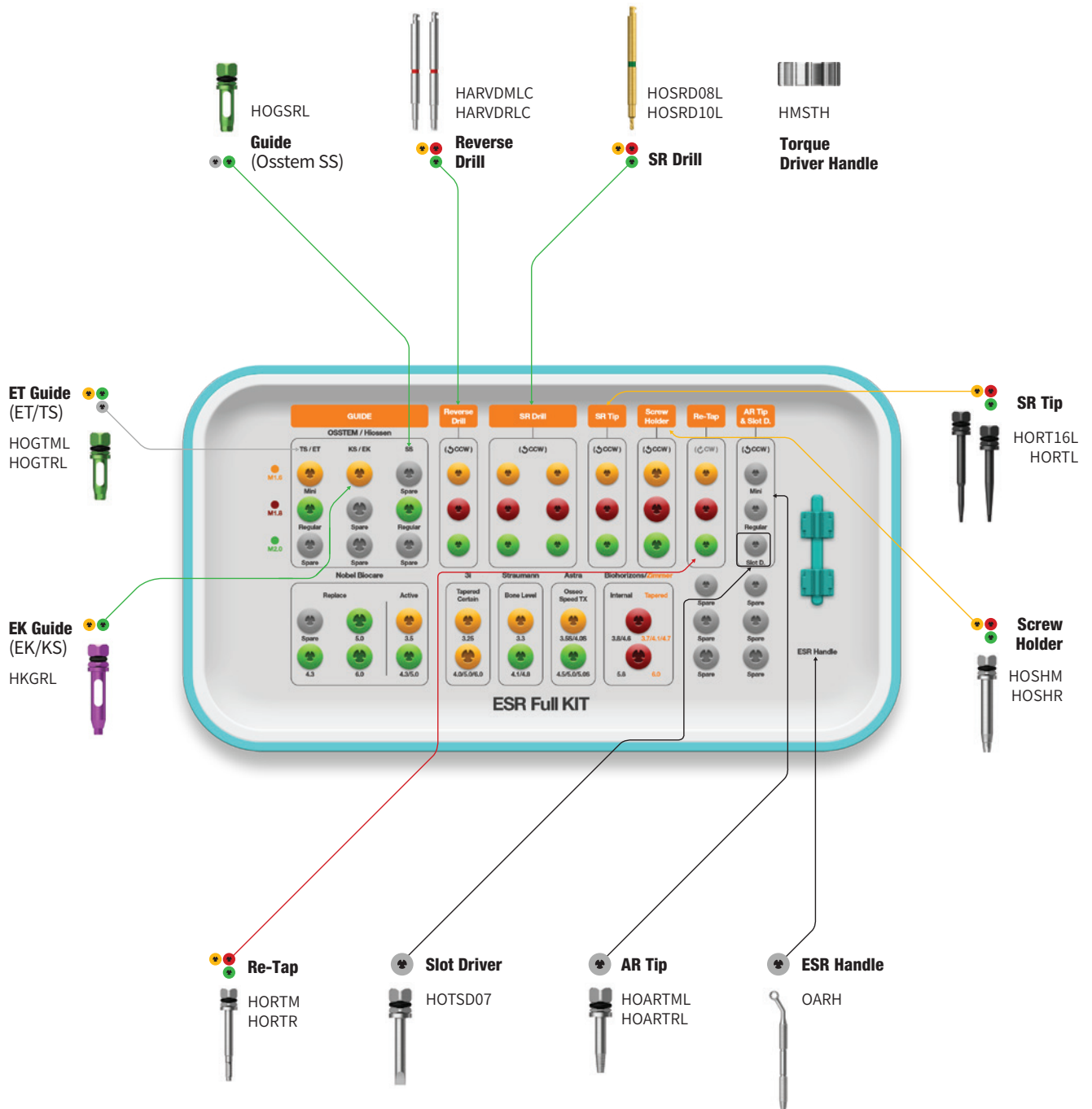
For

- EKIII
- ETIII/IV
- SSIII
- Ultra-Wide

















# ESR Full Kit Easy Screw Removal Full Kit (HESRFK\_US)


For **Nobel Biocare** Active/Replace / **Straumann** Bone Level / **Astra** Osseo Speed TX  
**3i** Full OSSEOTITE Tapered Certain / **3i** Tapered / **BioHorizons**® Internal





# ESR Full Kit Surgical Kit Instruments

| Guide  |        |   |                         |          |                          |   |   |
|--|--------|---|-------------------------|----------|--------------------------|---|---|
| Description  |        |   |                         |          |                          |   |   |
| <ul style="list-style-type: none"> <li>• Connected to the implant to center and prevent shaking of the reverse driver, SR drill and retap</li> <li>• Choose spec of guide according to implant type and diameter (6 overseas companies' internal and submerged type products)</li> <li>• Short or long used according to intermaxillary distance</li> <li>• Used in combination with the ESR handle</li> <li>• C = Connection/the number of use: 10 times</li> </ul> |        |   |                         |          |                          |   |   |
| Osstem   |        |   |                         |          |                          |   |   |
| Type   | Length | C | Mini                    | Regular  | Wide                     | Image   |   |
| ET(TS)   | Short  |   | HGTMS                   | HOGTRS   | -                        |  |   |
|  | Long   |   | HOGTML                  | HOGTRL   | -                        |   |   |
| EK(KS)   | Short  |   | -                       | HKGRS    | -                        |  |   |
|  | Long   |   | -                       | HKGRL    | -                        |   |   |
| SS   | Short  |   | -                       | HGSRS    | HGSRS                    |  |   |
|  | Long   |   | -                       | HOGSRL   | HOGSRL                   |   |   |
| Nobel Biocare  |        |   |                         |          |                          |   |   |
| Type   | Length | F | Ø3.5                    | Ø4.3     | Ø5.0                     | Ø6.0  | Image   |
| Active   | Short  |   | HGNA01S                 | HGNA02S  | HGNA02S                  | -   |  |
|  | Long   |   | HGNA01L                 | HGNA02L  | HGNA02L                  | -   |   |
| Replace  | Short  |   | -                       | HGNR02S  | HGNR03S                  | HGNR04S   |  |
|  | Long   |   | -                       | HGNR02L  | HGNR03L                  | HGNR04L   |   |
| Type   | Length | F | Ø3.3                    | Ø3.75    | Ø4.0                     | Ø5.0  | Image   |
| MKIII  | Short  |   | HGUMS                   | HGURS    | HGURS                    | HGUWS   |  |
|  | Long   |   | HHGUML                  | HOGURL   | HOGURL                   | HOGUWL  |   |
| Straumann  |        |   |                         |          |                          |   |   |
| Type   | Length | F | NC (3.3)                | RC (4.1) | RC (4.8)                 |   | Image   |
| Bone Level   | Short  |   | HGSB01S                 | HGSB02S  | HGSB02S                  |   |  |
|  | Long   |   | HGSB01L                 | HGSB02L  | HGSB02L                  |   |   |
| Type   | Length | F | RN (3.3 / 4.1 / 4.8)    |          | WN (4.8)                 |   | Image   |
| Roxolid SLActive   | Short  |   | HGSTRS                  |          | HGSTRS                   |   |  |
|  | Long   |   | HGSTRL                  |          | HGSTRL                   |   |   |
| Astra  |        |   |                         |          |                          |   |   |
| Type   | Length | F | Small (3.5 S / 4.0 S)   |          | Large (4.5 / 5.0 / 5.0S) |   | Image   |
| Osseo Speed TX   | Short  |   | HGA001S                 |          | HGA002S                  |   |  |
|  | Long   |   | HGA001L                 |          | HGA002L                  |   |   |
| Zimvie (Zimmer)  |        |   |                         |          |                          |   |   |
| Type   | Length | F | Green (3.7 / 4.1 / 4.7) |          | Green (6.0)              |   | Image   |
| Tapered  | Short  |   | HGZB01S                 |          | HGZB02S                  |   |  |
|  | Long   |   | HGZB01L                 |          | HGZB02L                  |   |   |



| BioHorizons                       |        |   |                |                  |   |
|-----------------------------------|--------|---|----------------|------------------|---|
| Type                              | Length | F | Yellow / Green | Blue             | Image   |
| Internal<br>(Tapered Bone Level)  | Short  |   | HGZB01S        | HGZB02S          |  |
|                                   | Long   |   | HGZB01L        | HGZB02L          |   |
| Type                              | Length | F | Ø3.5           | Ø4.0 / 5.0 / 6.0 |   |
| External                          | Short  |   | HGUMS          | HGURS            |  |
|                                   | Long   |   | HHGUML         | HOGURL           |   |
| 3i                                |        |   |                |                  |   |
| Type                              | Length | F | 3.25           | 4.0 / 5.0 / 6.0  | Image   |
| Full Osseotite Tapered<br>Certain | Short  |   | HGIF01S        | HGIF02S          |  |
|                                   | Long   |   | HGIF01L        | HGIF02L          |   |
| Full Osseotite<br>Tapered         | Short  |   | -              | HGURS            |  |
|                                   | Long   |   | -              | HOGURL           |   |




| Reverse Drill   |      |          |          |   |
|---|------|----------|----------|---|
| Description   | Type | Short    | Long     | Image   |
| <ul style="list-style-type: none"> <li>Used to remove a fractured screw</li> <li>To be used in conjunction with the guide</li> <li>If the red marking of the reverse driver is visible on the guide, remove the fractured screw using a screw holder</li> <li>Direction of rotation: Counterclockwise</li> <li>Recommended number of usage: 10 times</li> </ul> | M1.6 | -        | HARVDMLC |  |
|   | M1.8 | HARVDRSC | HARVDRLC |   |
|   | M2.0 | HARVDRSC | HARVDRLC |   |




| Screw Removal Drill (SR Drill)   |      |         |          |   |
|--|------|---------|----------|---|
| Description  | Type | Short   | Long     | Image   |
| <ul style="list-style-type: none"> <li>Used to create a hole in the fractured screw</li> <li>Make sure to connect the guide, irrigate and suction to remove any debris</li> <li>Available in long and short lengths for different intermaxillary distances</li> <li>Drill until the colored marking on the drill is no longer visible through the guide</li> <li>Recommended speed: 1,200~1,500 rpm (counterclockwise)</li> <li>Recommended number of uses: 5 times</li> <li>Connect the guide before use/Do not apply excessive vertical force/Do not clean with hydrogen peroxide</li> </ul> | M1.6 | HSRD08S | HOSRD08L |  |
|  | M1.8 | HSRD09S | HSRD09L  |   |
|  | M2.0 | HSRD10S | HOSRD10L |   |




| Torque Driver Handle   |           |   |
|--|-----------|---|
| Description  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Manual handle for SR Tip, AR Tip, screw holder</li> </ul> | HMSTH     |  |


# ESR Full Kit Surgical Kit Instruments



| Reverse Driver   |                  |        |        |   |
|--|------------------|--------|--------|---|
| Description  | F                | Short  | Long   | Image   |
| <ul style="list-style-type: none"> <li>Reverse Driver</li> <li>Used to remove a fractured screw</li> <li>To be used in conjunction with the guide</li> <li>Insert until the red band is in the Guide and turn counterclockwise to remove the screw</li> <li>Use manually/Rotate counterclockwise/</li> <li>Number of usages: 10 times</li> </ul> | Mini             | -      | HRVDML |  |
|  | Regular/<br>Wide | HRVDRS | HRVDRL |  |


| Screw Removal Tip (SR Tip)   |      |        |         |   |
|--|------|--------|---------|---|
| Description  | Type | Short  | Long    | Image   |
| <ul style="list-style-type: none"> <li>Removes a fractured screw by engaging into the hole created by the Screw Removal Drill</li> <li>Rotation direction: counterclockwise</li> </ul> | M1.6 | HRT16S | HORT16L |  |
|  | M1.8 | HRT18S | HRT18L  |  |
|  | M2.0 | HRTS   | HORTL   |  |



| Screw Holder   |      |           |   |
|--|------|-----------|---|
| Description  | Type | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Grasps onto a protruding fractured screw to unscrew it</li> <li>Color-coded for easy recognition</li> <li>Rotation direction: counterclockwise</li> </ul> | M1.6 | HOSHM     |  |
|  | M1.8 | HSHR18    |  |
|  | M2.0 | HOSHR     |  |

| Re-Tap  |      |           |   |
|---|------|-----------|---|
| Description   | Type | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Re-threads the internal connection of a implant</li> <li>Connects to a torque wrench or ratchet wrench to re-thread by hand</li> </ul> | M1.6 | HORTM     |  |
|   | M1.8 | HRTR18    |  |
|   | M2.0 | HORTR     |  |

| ESR Handle  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Stabilizes the Guide to the implant</li> </ul> | OARH      |  |

| Abutment Removal Tip (AR Tip)   |                |        |         |          |   |
|---|----------------|--------|---------|----------|---|
| Description   | F              | Short  | Long    | Ex. Long | Image   |
| <ul style="list-style-type: none"> <li>Removes fractured or jammed abutments and mounts from the implant</li> <li>Insert into fractured abutment hole, turn counterclockwise, and rock back and forth to loosen and remove with forceps</li> <li>Mini: it can be used to remove a screw with a stripped hex               <ul style="list-style-type: none"> <li>To remove the screw, engage the tip into the stripped hex and rotate counterclockwise</li> </ul> </li> </ul> | <b>Mini</b>    | HARTMS | HOARTML | HARTMEL  |  |
|   | <b>Regular</b> | HARTRS | HOARTRL | HARTREL  |  |

| Slot Driver   |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Used to unscrew a screw, healing abutment, cover screw, or abutment screw with a stripped hex after creating a slot with a Ø0.8 bur</li> </ul> | HOTSD07   |  |

| Transfer Abutment Separate Tool  |               |           |   |
|--|---------------|-----------|---|
| Description  |               | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Remove jammed abutment of non-hex type transfer abutment</li> <li>The tip is for mini platform abutments; the next step for regular platform</li> <li>Remove the abutment screw, insert Separate Tool Body into the abutment, tighten clockwise with Driver, and remove the abutment. If there is difficulty separating the abutment, attach a ratchet wrench for extra torque</li> </ul> | <b>Driver</b> | HTASD     |  |
|  | <b>Body</b>   | HTASB     |  |
|  | <b>Set</b>    | HTAST     |   |

# EIR Kit Easy Implant Removal Kit (HKSFRK)

※ EIR (EK) Kit: HKSFRK

For

- EKIII
- ETIII/IV
- SSIII
- Ultra-Wide

Top panel components

**Implant Wrench**  
HFRDFE



- Normal mode

HKSFRSM35  
HKSFRSR40  
HKSFRSW50

**Remover Screw**  
EK/KS
- Normal mode

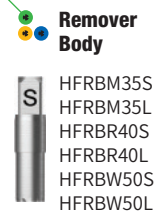
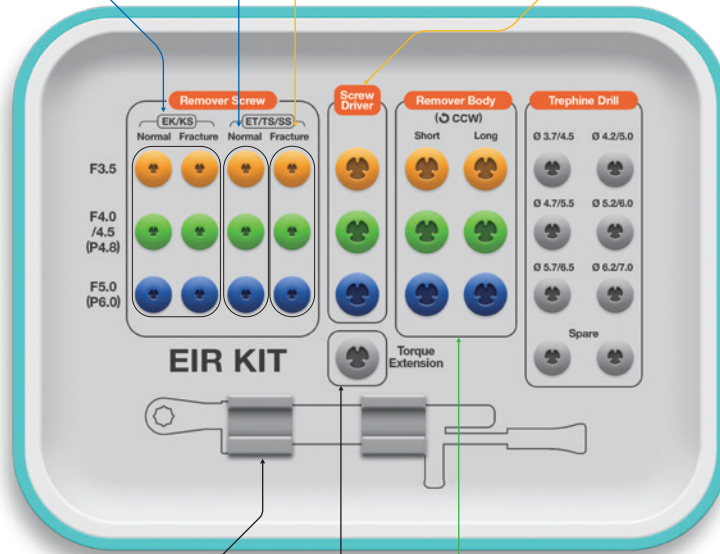
HFRSM35  
HFRSR40  
HFRSW50

**Remover Screw**  
ET/TS/SS
- Fracture mode

HFRSM35F  
HFRSR40F  
HFRSW50F

**Remover Screw**  
ET/TS/SS
- HFRSDM23  
HFRSDR25  
HFRSDW30

**Screw Driver**



# EIR Full Kit Easy Implant Removal Full Kit (HSFRFK\_US)

For **Nobel Biocare** Active/Replace / **Straumann** Bone Level / **Astra** Osseo Speed TX  
**3i** Full OSSEOTITE Tapered Certain / **Zimmer** Tapered / **BioHorizons** Internal

Lower panel components

**Implant Wrench**  
HFRDFE



**Torque Wrench**  
HTW400B



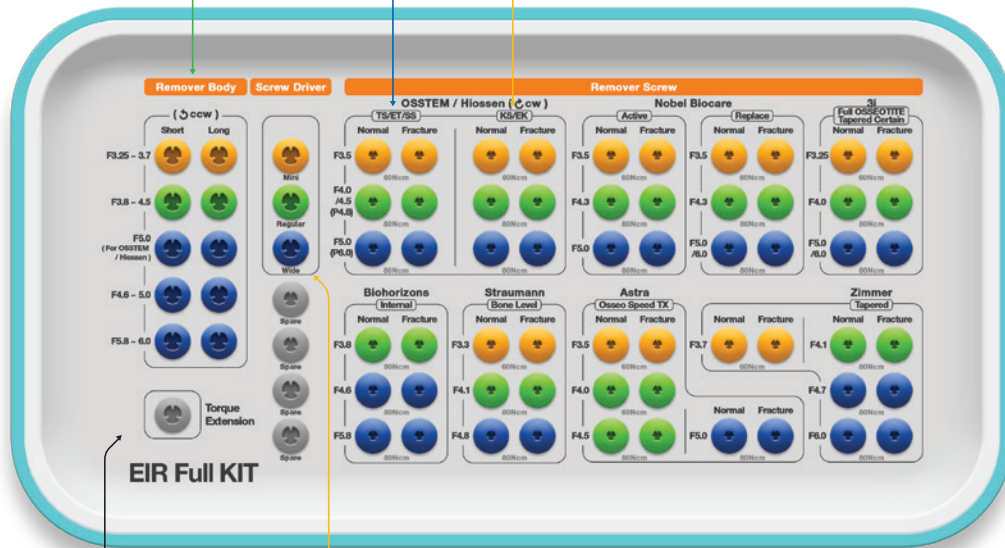
**Remover Body**




**Remover Screw (ET/SS)**




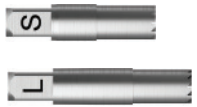
**Remover Screw (KS/EK)**





# EIR Full Kit Surgical Kit Instruments


| Remover Screw   |          |                   |   |                   |                 |
|---|----------|-------------------|---|-------------------|-----------------|
| Description   |          |                   | Image   |                   |                 |
| <ul style="list-style-type: none"> <li>When securely fastened to the implant, it serves as a supporting structure for the Remover Body</li> <li>Use the proper type that matches the diameter of the implant to be removed (ET/SS/US, normal/fracture)</li> <li>Fracture type is specifically for removing a fractured implant</li> <li>Recommended tightening torque: regular/wide 100Ncm, mini 80Ncm</li> </ul> <p>※ Disposable; do not reuse</p> |          |                   |  |                   |                 |
| Osstem  |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.5         | Regular Ø4.0~4.5/P4.8   | Wide Ø5.0/P6.0    |                 |
| ET/SS   | Normal   | HFRSM35 (3N)      | HFRSR40 (4N)  | HFRSW50 (5N)      |                 |
|   | Fracture | HFRSM35F (3F)     | HFRSR40F (4F)   | HFRSW50F (5F)     |                 |
| EK  | Normal   | HKSFRSM35 (KS3N)  | HKSFRSR40 (KS4N)  | HKSFRSW50 (KS5N)  |                 |
|   | Fracture | HKSFRSM35F (KS3F) | HKSFRSR40F (KS4N)   | HKSFRSW50F (KS5N) |                 |
| Nobel Biocare   |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.5         | Regular Ø4.3  | Wide Ø5.0/6.0     |                 |
| Active  | Normal   | HFRSMNA35 (N1)    | HFRSR40 (4N)  | HFRSW50 (5N)      |                 |
|   | Fracture | HFRSMNA35F (N2)   | HFRSR40F(4F)  | HFRSW50F (5F)     |                 |
| Replace   | Normal   | HFRSMNR35 (N3)    | HFRSR40 (4N)  | HFRSW50 (5N)      |                 |
|   | Fracture | HFRSMNR35F (N4)   | HFRSR40F (4F)   | HFRSW50F (5F)     |                 |
| Straumann   |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.3         | Regular Ø4.1  | Wide Ø4.8         |                 |
| Bone Level  | Normal   | HFRSMS33 (S1)     | HFRSRS41 (S2)   | HFRSWS48 (S3)     |                 |
|   | Fracture | HFRSMS33F (S4)    | HFRSRS41F (S5)  | HFRSWS48F (S6)    |                 |
| Astra   |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.5         | Regular Ø4.0  | Regular Ø4.5      | Wide Ø5.0       |
| Osseo Speed TX  | Normal   | HFRSMNA35 (N1)    | HFRSRA40 (A1)   | HFRSR40 (4N)      | HFRSW50 (5N)    |
|   | Fracture | HFRSMNA35F (N2)   | HFRSRA40F (A2)  | HFRSR40F (4F)     | HFRSW50F (5F)   |
| 3i  |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.25        | Regular Ø4.0  | Wide Ø5.0/6.0     |                 |
| Full Osseotite Tapered Certain  | Normal   | HFRSMS33 (S1)     | HFRSRI40 (S2)   | HFRSWI50 (S3)     |                 |
|   | Fracture | HFRSMS33F (S4)    | HFRSRI40F (S5)  | HFRSWI50F (S6)    |                 |
| Zimmer  |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.7         | Regular Ø4.1  | Wide Ø4.7         | Ultra-Wide Ø6.0 |
| Tapered   | Normal   | HFRSMZ37 (Z1)     | HFRSRZ41 (Z2)   | HFRSWZ47 (Z3)     | HFRSWZ60 (Z4)   |
|   | Fracture | HFRSMZ37F (Z4)    | HFRSRZ41F (Z6)  | HFRSWZ47F (Z7)    | HFRSWZ47F (Z7)  |
| Biohorizons   |          |                   |   |                   |                 |
| Type  | Mode     | Mini Ø3.8         | Regular Ø4.6  | Wide Ø5.8         |                 |
| Internal  | Normal   | HFRSRZ41 (i1)     | HFRSWZ47 (i2)   | HFRSWZ60 (i3)     |                 |
|   | Fracture | HFRSRZ41F (i4)    | HFRSWB46F (i5)  | HFRSWB46F (i6)    |                 |

| Screw Driver  |         |           |   |
|---|---------|-----------|---|
| Description   | Type    | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Connects and fastens the Remover Screw to the implant</li> <li>Recommended tightening torque:<br/>regular/wide 100Ncm, mini 80Ncm</li> </ul> | Mini    | HFRSDM23  |  |
|   | Regular | HFRSDR25  |   |
|   | Wide    | HFRSDW30  |   |

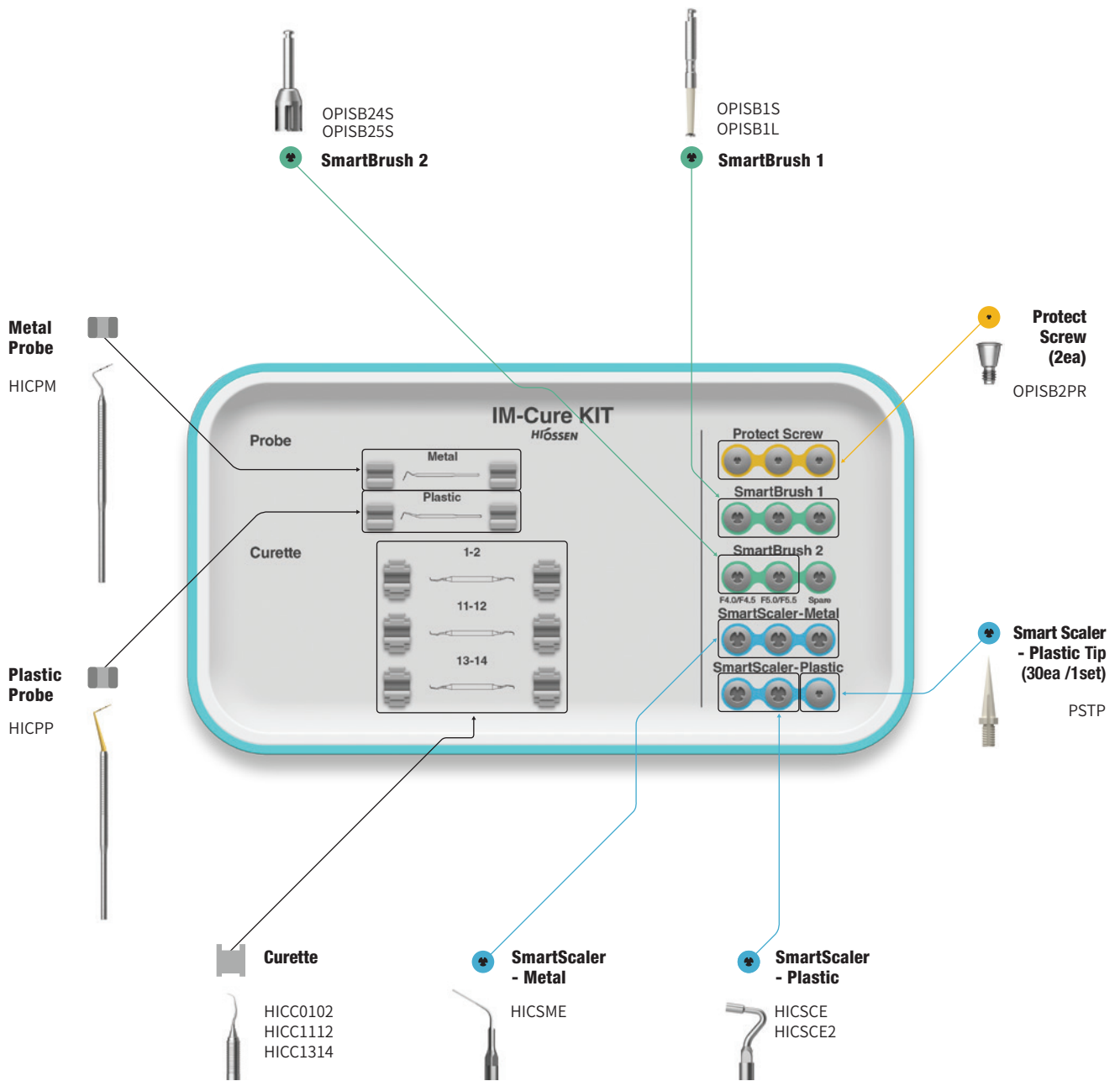
| Remover Body  |            |           |           |   |
|---|------------|-----------|-----------|---|
| Description   | Type       | Short     | Long      | Image   |
| <ul style="list-style-type: none"> <li>Connects to the Remover Screw to apply torque to remove the implant</li> <li>Select the correct type that matches the diameter of the implant to be removed</li> </ul> <p>※ Disposable; do not reuse</p> | Mini       | HFRBM35S  | HFRBM35L  |  |
|   | Regular    | HFRBR40S  | HFRBR40L  |   |
|   | Wide       | HFRBW50S  | HFRBW50L  |   |
|   |            | HFRBW57S  | HFRBW57L  |   |
|   | Ultra-Wide | HFRBUW60S | HFRBUW60L |   |

| Torque Extension  |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Extends the length of the screw driver and remover body (by 10mm)</li> </ul> | HOTE      |  |


| Torque Wrench  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Tightens Screw Driver and removes the implant using the Remover Body</li> <li>Applies up to 400Ncm of torque (markers at 80/100/200/300/400Ncm)</li> <li>Torque by pulling the bar back until it reaches the desired torque value marking</li> <li>Clean and sterilize for storage</li> </ul> | HTW400B   |  |


| Implant Wrench  |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Wrench used to separate the implant from the Remover Body</li> </ul> | HFRDFE    |  |


# IM-Cure Kit (HICK)




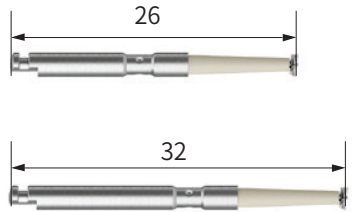
# IM-Cure Kit Surgical Kit Instruments

| Metal Probe   |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Used to diagnose periodontal disease</li> <li>Measures pocket depth/size</li> <li>Marking lines of 1mm increments</li> </ul> | HICPM     |  |


| Plastic Probe  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Used to diagnose periodontal disease</li> <li>Measures pocket depth/size</li> <li>Marking lines of 1mm increments</li> <li>Plastic material prevents scratches on implant</li> <li>Flexible probe makes it ideal for curved shape of alveolar bone</li> <li>Autoclavable</li> </ul> | HICPP     |  |


| Curette  |       |           |  |
|--|-------|-----------|--|
| Description  | Type  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Tool to remove granulation tissue firmly attached to a specific area</li> <li>Gracey curette</li> <li>01-02: used for removal of anterior tissue</li> <li>11-12: used for removal of ganglion tissue</li> <li>13-14: used to remove the tissue from the distal part of posterior teeth</li> </ul> | 01-02 | HICC0102  |  |
|  | 11-12 | HICC1112  |  |
|  | 13-14 | HICC1314  |  |


| Protect Screw   |         |           |   |
|---|---------|-----------|---|
| Description   | Type    | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Protect the implant's internal connection when using the SmartBrush 1 &amp; 2</li> <li>Torque Using a 1.2 hex driver, tighten to about 5Ncm</li> </ul> | Mini    | OPISB2PM  |  |
|   | Regular | OPISB2PR  |   |

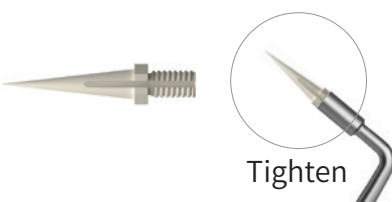
| SmartBrush 1   |         |         |   |
|--|---------|---------|---|
| Description  | Short   | Long    | Image   |
| <ul style="list-style-type: none"> <li>Bristle designed for effective debridement of the implant surface</li> <li>After removing the patient's prosthesis and abutment, connect the protect screw before using</li> <li>Recommended speed: 1,200~1,500rpm</li> <li>Recommended use time: approximately 1 minute per screw thread (not recommended over 4 minutes)</li> <li>Must use irrigation and suction during polishing</li> </ul> <p>※ Disposable. Do not reuse</p> | OPISB1S | OPISB1L |  |

# IM-Cure Kit Surgical Kit Instruments

| SmartBrush 2  |           |          |          |   |
|---|-----------|----------|----------|---|
| Description   | D/Ø       | Short    | Long     | Image   |
| <ul style="list-style-type: none"> <li>Debride implant</li> <li>After removing the patient's prosthesis and abutment, connect the protect screw before using</li> <li>Must use irrigation and suction during polishing</li> <li>Recommended speed: 1,200~1,500rpm</li> <li>Recommended use time: 1~2 minutes</li> <li>Excessive use longer than 3 minutes may cause the product to break or bend</li> </ul> | F3.0/F3.5 | OPISB23S | OPISB23L |  |
|   | F4.0/F4.5 | OPISB24S | OPISB24L |   |
|   | F5.0/F5.5 | OPISB25S | OPISB25L |   |
|   | F6.0      | OPISB26S | OPISB26L |   |
|   | F7.0      | OPISB27S | OPISB27L |   |

| SmartScaler - Metal  |         |           |  |
|--|---------|-----------|--|
| Description  | Brand   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Used to remove substances such as tartar by connecting it to an ultrasonic scaler</li> <li>Secondary use after using SmartBrush 1 or SmartBrush 2</li> <li>Easy to bend tip for easy access</li> <li>EMS, KaVo, SATELEC specifications</li> </ul> | EMS     | HICSME    |  <p>Bendable</p> |
|  | KaVo    | HICSMK    |  |
|  | SATELEC | HICSMS    |  |

| SmartScaler - Plastic   |         |        |         |  |
|---|---------|--------|---------|--|
| Description   | Brand   | 125°   | 100°    | Image  |
| <ul style="list-style-type: none"> <li>Used in combination with SmartScaler plastic tip</li> <li>Do not use for removal of debris on the implant surface</li> <li>EMS, KaVo, SATELEC specifications</li> <li>A = Angle</li> </ul> | EMS     | HICSCE | HICSCE2 |  <p>125°<br/>100°</p> |
|   | KaVo    | HICSCK | HICSCK2 |  |
|   | SATELEC | HICSCS | HICSCS2 |  |

| SmartScaler Plastic Tip  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Used to remove substances from abutment or crown by attaching the SmartScaler</li> <li>※ Do not use to implant surface</li> <li>Packing unit: 30 per set</li> </ul> | PSTP      |  <p>Tighten</p> |

**HiOSSEN**  
IMPLANT

# CAS Kit (HCRSNK)

For **EKIII** **ETIII/IV** **SSII/III** **Ultra-Wide**

Top panel components

**Hydraulic Membrane Lifter Tube**  
SNMT



Lower panel components

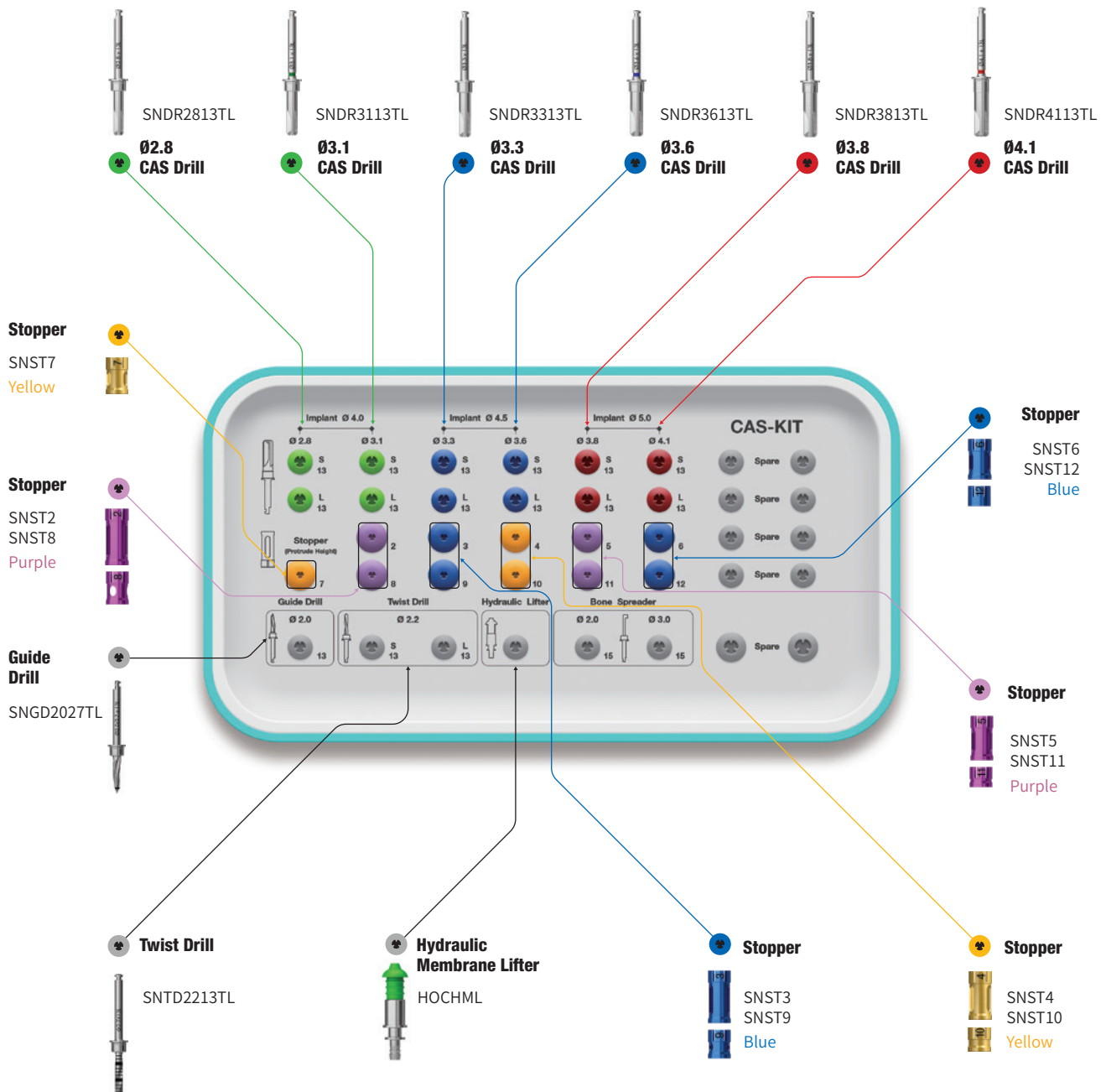
**Bone Carrier Head**  
SNBCH30



**Bone Carrier**  
SNBCS35



**Bone Condenser**  
SNBC1114



# CAS Kit Surgical Kit Instruments

| CAS Drill  |      |            |            |       |
|--|------|------------|------------|-------|
| Description  | D/Ø  | Short      | Long       | Image |
| <ul style="list-style-type: none"> <li>Specialized drill designed to penetrate the sinus floor without damaging the Schneiderian membrane by forming a conical bone lid</li> <li>Four blade drill design provides superior bone removing capability from low to high speeds, and can collect autogenous bone at low speeds</li> <li>Safely advance to the floor of the sinus using stoppers (1mm increments)</li> <li>Final drill diameter is based on bone density, regardless of the implant type (straight or tapered)</li> <li>Recommended speed: 400~800rpm (For beginner: 400rpm)</li> </ul> | Ø2.8 | SNDR2813TS | SNDR2813TL |       |
|  | Ø3.1 | SNDR3113TS | SNDR3113TL |       |
|  | Ø3.3 | SNDR3313TS | SNDR3313TL |       |
|  | Ø3.6 | SNDR3613TS | SNDR3613TL |       |
|  | Ø3.8 | SNDR3813TS | SNDR3813TL |       |
|  | Ø4.1 | SNDR4113TS | SNDR4113TL |       |


| Guide Drill  |          |            |       |
|--|----------|------------|-------|
| Description  | D/Ø      | Item Code  | Image |
| <ul style="list-style-type: none"> <li>Drill to mark the implant placement site</li> <li>Side cutting blades can be used to modify the side walls of the extraction socket</li> <li>Line marking 2mm from the apex of drill</li> </ul> | Ø2.0/2.7 | SNGD2027TL |       |



| Ø2.2 Twist Drill  |      |            |       |
|---|------|------------|-------|
| Description   | D/Ø  | Item Code  | Image |
| <ul style="list-style-type: none"> <li>Recommended to under-drill by 1mm below the floor of the sinus</li> <li>Use with stoppers for safe and controlled drilling</li> <li>Apex tip measures an additional 0.6mm</li> </ul> | Ø2.2 | SNTD2213TL |       |


| Hydraulic Membrane Lifter Set   |          |           |       |
|---|----------|-----------|-------|
| Description   | D/Ø      | Item Code | Image |
| <ul style="list-style-type: none"> <li>Hydraulic pressure is used to separate and lift the sinus membrane</li> <li>Securely fits Ø2.8~Ø4.1 CAS drilled osteotomies</li> </ul> | Ø2.6/6.0 | HOCHML    |       |


| Stopper   |        |       |        |        |       |        |        |       |        |        |        |
|---|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|--------|
| <ul style="list-style-type: none"> <li>Laser mark numbers indicates drilling depth</li> <li>Color-coded by length</li> <li>Recommended number of usage: 50 times</li> </ul> |        |       |        |        |       |        |        |       |        |        |        |
| Length  | 2      | 3     | 4      | 5      | 6     | 7      | 8      | 9     | 10     | 11     | 12     |
|   |        |       |        |        |       |        |        |       |        |        |        |
| Item Code   | SNST2  | SNST3 | SNST4  | SNST5  | SNST6 | SNST7  | SNST8  | SNST9 | SNST10 | SNST11 | SNST12 |
| Color   | Purple | Blue  | Yellow | Purple | Blue  | Yellow | Purple | Blue  | Yellow | Purple | Blue   |

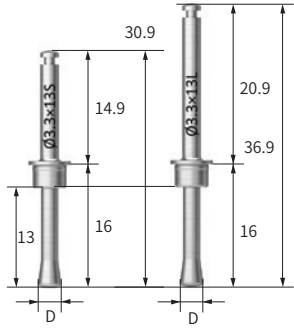
# CAS Kit Surgical Kit Instruments


| Bone Carrier   |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Handle for the bone carrier head</li> <li>Connects the bone carrier head and tighten at the opposite end</li> <li>Connects both heads (SNBCH30 or SNBCH35)</li> </ul> | SNBCS35   |  |


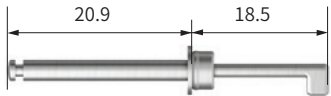
| Bone Carrier Head   |      |           |   |
|---|------|-----------|---|
| Description   | D/Ø  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Cone shaped with an extended tip that reaches the sinus cavity and prevents bone material from spilling out</li> <li>SNBCH30 for Ø3.1/3.3 CAS drilled osteotomy</li> <li>SNBCH35 for Ø3.6/3.8/4.1 CAS drilled osteotomy</li> <li>Fill the reservoir (up to the marker) with bone material in small quantities using the bone condenser. Repeat the process as necessary</li> </ul> | Ø3.1 | SNBCH30   |  |
|   | Ø3.6 | SNBCH35   |  |

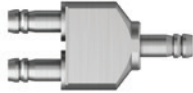
| Bone Condenser  |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Safely pushes bone material through the bone carrier into the sinus cavity</li> <li>SNBCH30: use Ø1.1/SNBCH35: use Ø1.4</li> </ul> | SNBC1114  |  |

| Hydraulic Membrane Lifter Tube   |           |   |
|--|-----------|---|
| Description  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Tubing to connect the hydraulic membrane lifter to the saline filled syringe</li> </ul> | SNMT      |  |

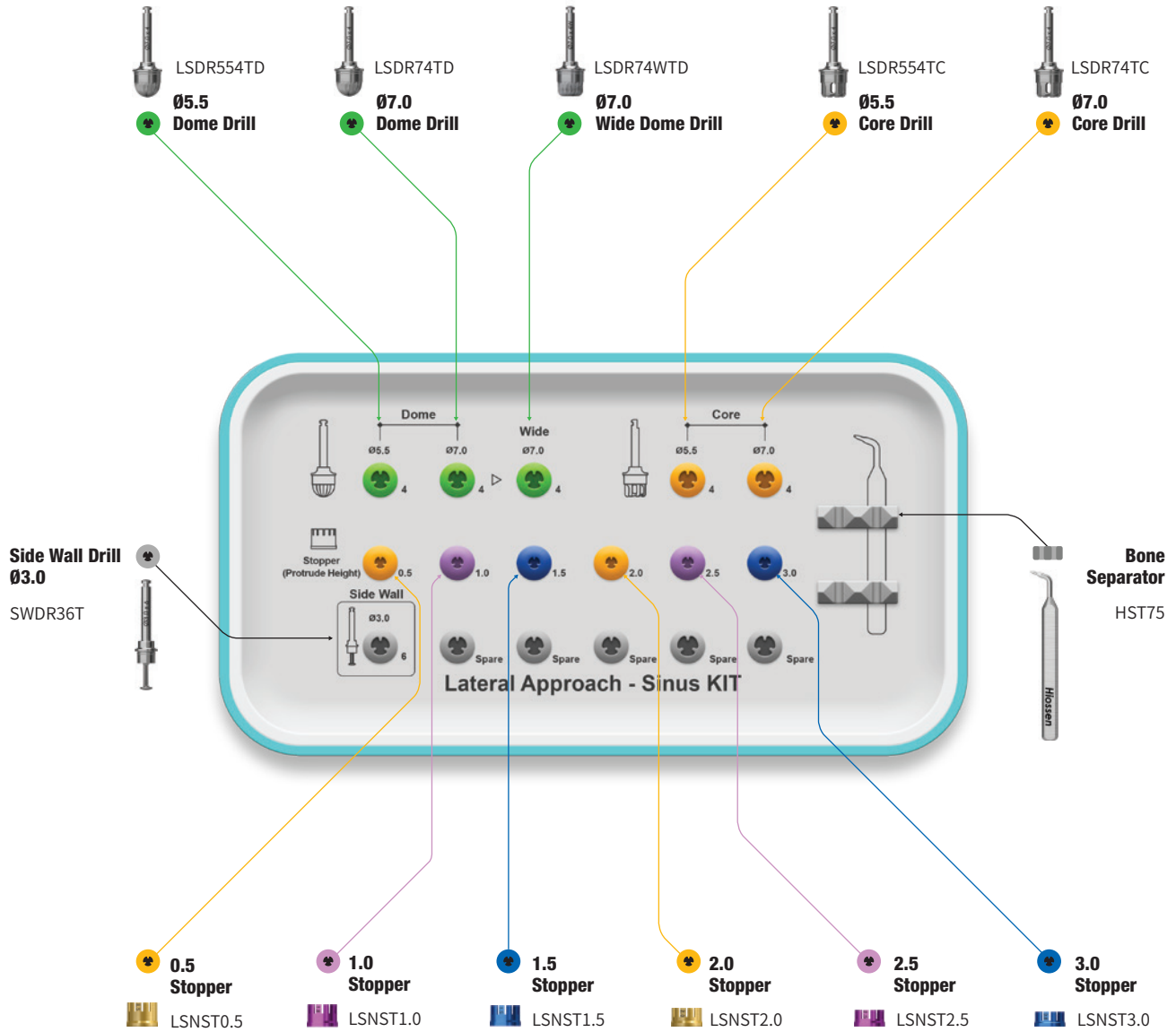
| Membrane Lifter  |      |            |            |   |
|--|------|------------|------------|---|
| Description  | D/Ø  | Short      | Long       | Image   |
| <ul style="list-style-type: none"> <li>Round shape with no cutting edges for safe membrane lifting</li> <li>Select Membrane Lifter diameter according to the CAS drill diameter used (head diameter: CAS drill diameter -0.2mm)</li> <li>Use CAS stoppers to control length</li> <li>Recommended speed: 30~50rpm (Recommended speed for beginner: 30rpm)</li> <li>Be sure to spray water when using</li> </ul> | Ø2.6 | SNML2813TS | SNDR2813TL |  |
|  | Ø2.9 | SNML3113TS | SNDR3113TL |   |
|  | Ø3.1 | SNML3313TS | SNDR3313TL |   |
|  | Ø3.4 | SNML3613TS | SNDR3613TL |   |
|  | Ø3.6 | SNML3813TS | SNDR3813TL |   |
|  | Ø3.9 | SNML4113TS | SNDR4113TL |   |

| Depth Gauge   |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Checks for access into the sinus cavity and measures the thickness of residual bone</li> </ul> | SNDG      |  |

| Bone Spreader   |      |           |   |
|---|------|-----------|---|
| Description   | D/Ø  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Spreads bone graft material in the sinus cavity</li> <li>Used with CAS stoppers</li> <li>Recommended speed: 30rpm or less</li> </ul> | Ø2.0 | SNBS2015T |  |
|   | Ø3.0 | SNBS3015T |  |

| Y-Connector  |           |   |
|--|-----------|---|
| Description  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Y-type connecting tool capable of simultaneous hydraulic pressure elevation in two osteotomies</li> </ul> | SNYCT     |  |

# LAS Kit (HLRSNK)



# LAS Kit Surgical Kit Instruments

| Dome Drill   |           |           |       |
|--|-----------|-----------|-------|
| Description  | D/Ø       | Item Code | Image |
| <ul style="list-style-type: none"> <li>Dome Drill</li> <li>Forms a bone window and collects autogenous bone simultaneously</li> <li>Excellent penetration due to the combination of macro and micro cutting edges</li> <li>Stopper system safely controls the penetration depth</li> <li>Recommended speed: 1,200~1,500rpm</li> <li>Excessive drilling may cause damage to the membrane</li> </ul> | Ø5.5      | LSDR554TD |       |
|  | Ø7.0      | LSDR74TD  |       |
|  | Wide Ø7.0 | LSDR74WTD |       |

| Core Drill  |      |           |       |
|---|------|-----------|-------|
| Description   | D/Ø  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Creates a bone lid while forming the lateral window</li> <li>Cutting edge design based on the CAS drill, enhancing safety</li> <li>Recommended speed: 1,200~1,500rpm</li> <li>Excessive drilling may cause damage to the membrane</li> </ul> | Ø5.5 | LSDR554TC |       |
|   | Ø7.0 | LSDR74TC  |       |

| Side Wall Drill   |                                   |     |       |     |     |     |
|---|-----------------------------------|-----|-------|-----|-----|-----|
| Description   | Item Code                         |     | Image |     |     |     |
| <ul style="list-style-type: none"> <li>Enlarges and trims the rough edges of the bone window</li> <li>Cutting blades start 1 mm above the bottom of the drill</li> <li>Recommended speed: 1,500rpm</li> </ul> | SWDR36T                           |     |       |     |     |     |
|   | Height of side cutting blade (mm) | 1.0 | 2.0   | 3.0 | 4.0 | .05 |
| CAS Kit stopper (mm)  | 8.0                               | 9.0 | 10    | 11  | 12  |     |
| Side wall Drill + CAS Kit stopper   |                                   |     |       |     |     |     |
| <ul style="list-style-type: none"> <li>Stoppers safely control the drilling depth</li> </ul>  |                                   |     |       |     |     |     |

| Bone Separator   |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Removes the bone lid inside the core drill</li> </ul> | HST75     |       |

| Side Wall Drill  |           |          |          |          |          |          |          |
|--|-----------|----------|----------|----------|----------|----------|----------|
| Description  | Length    | 0.5      | 1.0      | 1.5      | 2.0      | 2.5      | 3.0      |
| <ul style="list-style-type: none"> <li>Laser marked numbers indicate the drilling depth</li> <li>Color-coded by length</li> <li>Can be used up to 50 times before replacement</li> </ul> |           |          |          |          |          |          |          |
|  | Item Code | LSNST0.5 | LSNST1.0 | LSNST1.5 | LSNST2.0 | LSNST2.5 | LSNST2.0 |
|  | Color     | Yellow   | Purple   | Blue     | Yellow   | Purple   | Blue     |

# ESSET Kit (HESEK)

For

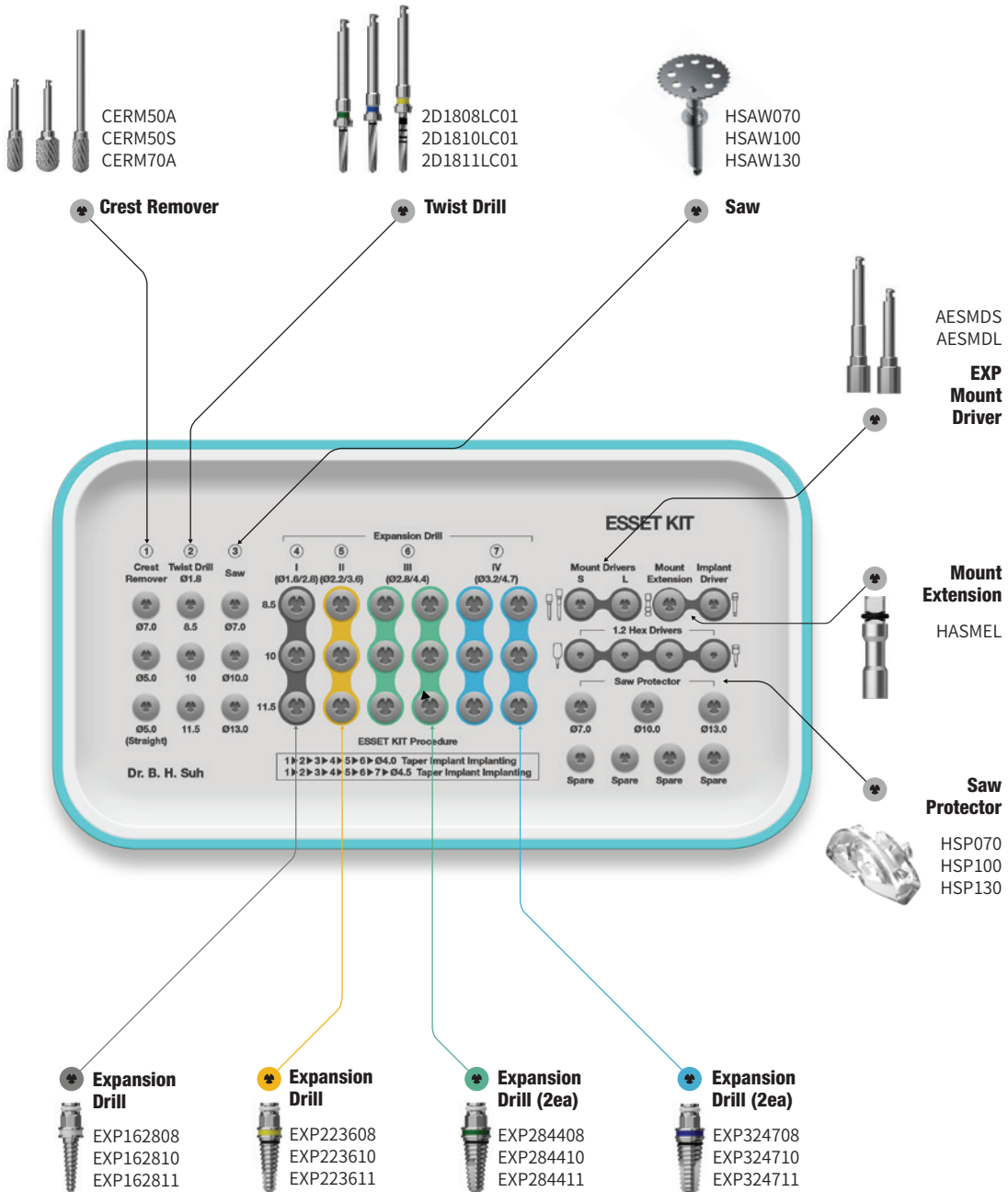
- EKIII
- ETIII/IV
- SSII/III
- Ultra-Wide

Lower panel components

**Torque Wrench**  
TQWCB



**Depth Gauge**  
ODG



# ESSET Kit Surgical Kit Instruments

| Crest Remover  |    |         |         |       |
|--|----|---------|---------|-------|
| Description  | L  | Ø5.0    | Ø7.0    | Image |
| <ul style="list-style-type: none"> <li>Grinds down narrow alveolar ridge, and creates an indentation for the implant's insertion site</li> <li>Angled type recommended speed: 1,200~1,500rpm</li> <li>Straight type recommended speed: 15,000~30,000rpm</li> </ul> | 29 | CERM50A | CERM70A |       |
|  | 45 | CERM50S | -       |       |

| Twist Drill  |     |      |            |       |
|--|-----|------|------------|-------|
| Description  | L   | TL   | Ø1.8       | Image |
| <ul style="list-style-type: none"> <li>Marks the implant's insertion site</li> <li>Controls depth with the built-in stopper</li> <li>Recommended speed: 1,200 ~ 1,500 rpm</li> </ul> | 8.5 | 33   | 2D1808LC01 |       |
|  | 10  | 34.5 | 2D1810LC01 |       |
|  | 11  | 36   | 2D1811LC01 |       |

| Saw  |     |      |           |       |
|--|-----|------|-----------|-------|
| Description  | T   | TL   | Item Code | Image |
| <ul style="list-style-type: none"> <li>For ridge modification and splitting</li> <li>After vertical incision, move from mesial to distal</li> <li>Recommended speed: 1,200 ~ 1,500 rpm</li> <li>Recommended use: 10 times</li> <li>*T = Thickness</li> </ul> | 0.3 | Ø7.0 | HSAW070   |       |
|  |     | Ø10  | HSAW100   |       |
|  |     | Ø13  | HSAW130   |       |

| Saw Protector  |      |           |       |  |
|--|------|-----------|-------|--|
| Description  | D    | Item Code | Image |  |
| <ul style="list-style-type: none"> <li>Semi-circular saw cover protects user when using saws</li> <li>See through protector for maximum procedure visibility</li> <li>360° rotary saw cover for flexible operation</li> <li>Material: Plastic</li> </ul> <p>※ Single use only (Do not reuse)</p> | Ø7.0 | HSP070    |       |  |
|  | Ø10  | HSP100    |       |  |
|  | Ø13  | HSP130    |       |  |

# ESSET Kit Surgical Kit Instruments

| Expansion Drill  |                 |           |           |           |       |
|--|-----------------|-----------|-----------|-----------|-------|
| Description  | Type            | 8.5       | 10        | 11.5      | Image |
| <ul style="list-style-type: none"> <li>Gradually expands narrow alveolar ridge</li> <li>Use the Expansion Drills in numerical order based on the diameter of the implant</li> <li>F4.0: I → II → III/F4.5: I → II → III → IV</li> <li>Recommended speed: 25~35rpm</li> </ul> | I<br>Ø1.6/2.8   | EXP162808 | EXP162810 | EXP162811 |       |
|  | II<br>Ø2.2/3.6  | EXP223608 | EXP223610 | EXP223611 |       |
|  | III<br>Ø2.8/4.4 | EXP284408 | EXP284410 | EXP284411 |       |
|  | IV<br>Ø3.2/4.7  | EXP324708 | EXP324710 | EXP324711 |       |

| Mount Extension  |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Used to apply manual torque when inserting/removing the Expansion Drills</li> </ul> | HASMEL    |       |

| EXP Mount Driver  |                 |           |       |
|---|-----------------|-----------|-------|
| Description   | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Used to inserting/removing the Expansion Drills with a handpiece and engine</li> </ul> | Short<br>(22.1) | AESMDS    |       |
|   | Long<br>(28.6)  | AESMDL    |       |

| Torque Wrench  |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Use to apply torque to the Expansion Drill</li> </ul> | TQWCB     |       |

| Depth Gauge   |           |       |
|---|-----------|-------|
| Description   | Item Code | Image |
| <ul style="list-style-type: none"> <li>Releases excessive torque when hand piece does not move due to being stuck in bone during expansion drill removal process.</li> <li>Use with an open wrench to turn the hex of the Expansion drill</li> <li>Prevents from over torquing</li> </ul> | ODG       |       |

**HIOSSEN**  
IMPLANT

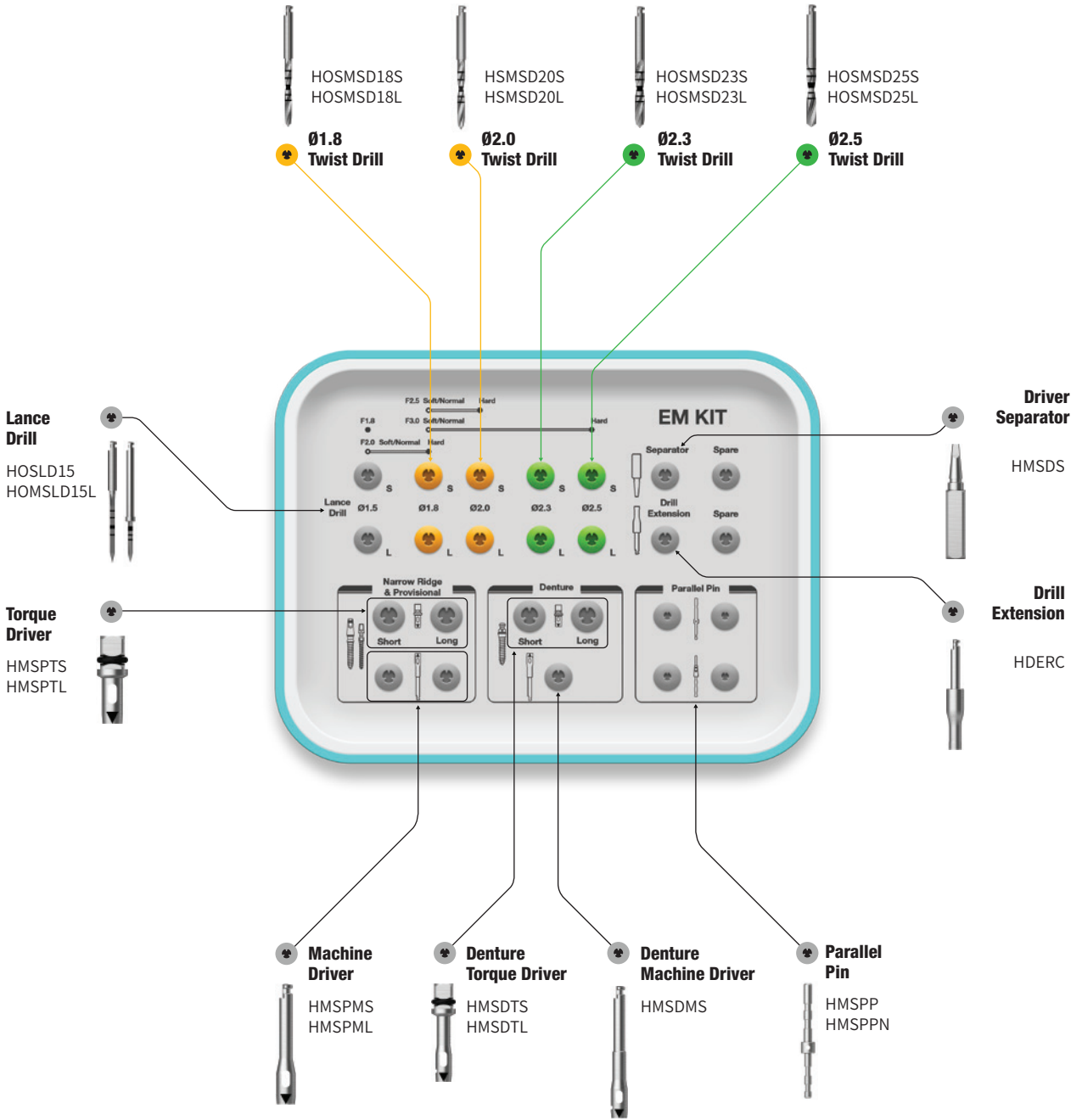
# EM Kit (HMISLK)

Lower panel components

**Depth Gauge**  
HMDTGG



**Ratchet Wrench**  
CITQW-1185A



# EM Kit Surgical Kit Instruments

| Drill for EM Implant   |            |           |           |          |           |           |       |
|--|------------|-----------|-----------|----------|-----------|-----------|-------|
| Description  | Length     | Ø1.5      | Ø1.8      | Ø2.0     | Ø2.3      | Ø2.5      | Image |
| <ul style="list-style-type: none"> <li>Laser markings on drill match implant length specifications (8/10/11.5/13/15 mm)</li> <li>In cortical bone, it is recommended to use the lance drill to drill to the final implant length</li> <li>Long type has a stopper at 13mm</li> </ul> | Short (35) | HOSLB15   | -         | -        | -         | -         |       |
|  | Long (38)  | HOMSLD15L | -         | -        | -         | -         |       |
|  | Short (33) | -         | HOSMSD18S | HSMSD20S | HOSMSD23S | HOSMSD25S |       |
|  | Long (31)  | -         | HOSMSD18L | HSMSD20L | HOSMSD23L | HOSMSD25L |       |

| Driver for Narrow Ridge & Provisional Type   |                |              |        |       |
|--|----------------|--------------|--------|-------|
| Description  |                | Length       | Ø3.4   | Image |
| <ul style="list-style-type: none"> <li>Driver for EM (MS) implants: narrow ridge &amp; provisional</li> <li>The triangular marking is used in line with the implant</li> </ul> | Torque Driver  | Short (16.5) | HMSPTS |       |
|  |                | Long (21.5)  | HMSPTL |       |
|  | Machine Driver | Short (24.4) | HMSPPM |       |
|  |                | Long (29.4)  | HMSPLL |       |

| Driver for Denture Type   |                |              |        |       |
|---|----------------|--------------|--------|-------|
| Description   |                | Length       | Ø3.8   | Image |
| <ul style="list-style-type: none"> <li>Driver for EM (MS) Implant denture</li> <li>The triangular marking should be aligned with the implant</li> </ul> | Torque Driver  | Short (13.5) | HMSDTS |       |
|   |                | Long (18.5)  | HMSDTL |       |
|   | Machine Driver | Long (21.4)  | HMSDMS |       |

| Gauge for MS Implant   |              |        |           |        |  |
|--|--------------|--------|-----------|--------|--|
| Description  |              | Length | Item code | Image  |  |
| <ul style="list-style-type: none"> <li>Depth gauge                             <ul style="list-style-type: none"> <li>Left: to check the drilled depth</li> <li>Right: to bend the neck of the EM (MS) provisional type</li> <li>MS narrow narrow ridge type cannot be bent</li> </ul> </li> <li>Parallel pin is used to confirm the path of the implant after drilling                             <ul style="list-style-type: none"> <li>MSP: lower diameter Ø1.5/upper diameter Ø1.8</li> <li>MSPN: lower diameter Ø1.5/upper shape is same as the abutment portion of the MS narrow ridge</li> </ul> </li> </ul> | Depth Gauge  |        | HMDTGG    |        |  |
|  |              |        |           |        |  |
|  | Parallel Pin |        |           | HMSPP  |  |
|  |              |        |           | HMSPPN |  |

| Torque Driver Handle  |                 |
|---|-----------------|
| Description   | Image/Item code |
| <ul style="list-style-type: none"> <li>Used for initial insertion by hand after fastening to torque driver</li> </ul> | <br>HMSTH       |

| Driver Separator   |                 |
|--|-----------------|
| Description  | Image/Item code |
| <ul style="list-style-type: none"> <li>If the MS implant is jammed in the Driver, the Driver Separator can be leveraged to separate the two</li> </ul> | <br>HMSDS       |

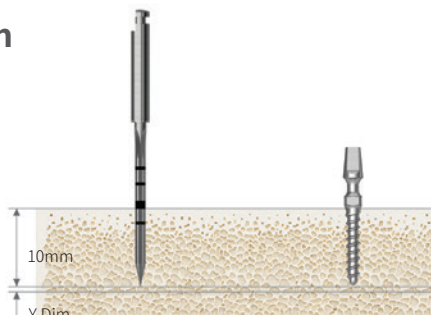
| MS Removal Tool  |       |  |         |         |
|--|-------|--|---------|---------|
| Description  | Image |  |         |         |
| <ul style="list-style-type: none"> <li>Easy removal of fractured EM Implant (Narrow Ridge)</li> <li>The tool is used by rotating in the reverse direction after assembling to the universal handle</li> <li>Options based on diameter of fractured implant</li> <li>For Ø 2.0, use orthodontic screw removal tool (code: OSRT20E)</li> </ul> <p>※ Disposable. Do not reuse</p> |       |  |         |         |
| D/Ø  |       |  | Ø2.5    | Ø3.0    |
|  |       |  | HMRT25E | HMRT30E |

# Drilling Sequence EM Drill

## Narrow Ridge | Denture | Provisional

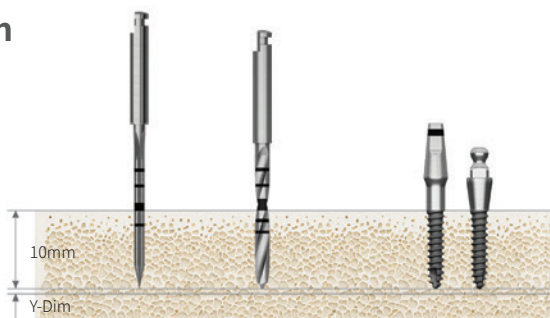
(Length: 10mm)

### Ø1.8mm



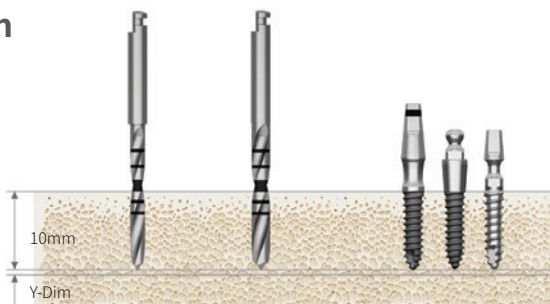
| Bone Quality | Lance Drill | Ø1.8 Implant      |
|--------------|-------------|-------------------|
| Soft         | ▶           | Implant Placement |
| Normal       | ▶           |                   |
| Hard         | ▶           |                   |

### Ø2.0mm



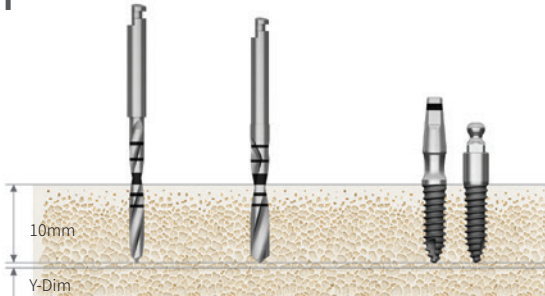
| Bone Quality | Lance Drill | Drill (Ø1.8) | Ø2.0 Implant      |
|--------------|-------------|--------------|-------------------|
| Soft         | ▶           |              | Implant Placement |
| Normal       | ▶           |              |                   |
| Hard         | ▶           | ▶            |                   |

### Ø2.5mm





| Bone Quality | Drill (Ø1.8) | Drill (Ø2.0) | Ø2.5 Implant      |
|--------------|--------------|--------------|-------------------|
| Soft         | ▶            |              | Implant Placement |
| Normal       | ▶            |              |                   |
| Hard         |              | ▶            |                   |






Ø3.0mm





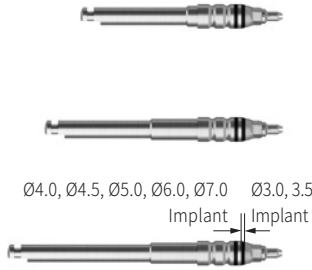
| Bone Quality | Drill (Ø1.8) | Drill (Ø2.5) | Ø3.0 Implant      |
|--------------|--------------|--------------|-------------------|
| Soft         | ▶            |              | Implant Placement |
| Normal       | ▶            |              |                   |
| Hard         |              | ▶            |                   |

# Surgical Instrument

| Abutment Positioning Driver  |                         |            |           |   |
|--|-------------------------|------------|-----------|---|
| Description  | H + G/H                 | Length     | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Used for assembling the abutment in the prosthetic process after placing an implant</li> <li>※ For Transfer Abutment only</li> <li>Function to help convenient and stable mounting and tightening of the abutment being pushed away by gingiva</li> <li>Used according to the H and G/H lengths of the abutment to be removed as shown below</li> </ul> | 5.0, 6.0, 7.0, 8.0, 9.0 | Short (≤9) | HAPDS     |  |
|  | 10, 11, 12, 13, 14      | Long (≥10) | HAPDL     |  |

| NoMount Torque Driver for ET   |         |                 |           |   |   |
|--|---------|-----------------|-----------|---|---|
| Description  | C       | Length          | Item Code | Image   |   |
| <ul style="list-style-type: none"> <li>Directly connects to an ET Implant for placement with a Torque Wrench</li> <li>Ensure correct and complete seating before applying torque; loose connection may cause implant fracture</li> <li>C = Connection</li> </ul> | Mini    | Short (19)      | HGSNMT32S |  |   |
|  |         | Long (26.6)     | HGSNMT32L |   |    |
|  |         | Ex. Long (33.6) | HGSNMT32E |   |   |
|  | Regular | Short (19)      | HGSNMT35S |  |   |
|  |         | Long (26.6)     | HGSNMT35L |   |  |
|  |         | Ex. Long (33.6) | HGSNMT35E |   |  |

| NoMount Torque Driver for SS  |                |              |           |   |
|---|----------------|--------------|-----------|---|
| Description   | C              | Length       | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Directly connects to a SS Implant for placement with a Torque Wrench</li> <li>Ensure correct and complete seating before applying torque; loose connection may cause implant fracture</li> <li>C = Connection</li> </ul> | Regular / Wide | Short (16.8) | HSSNMT39S |  |
|   |                | Long (26.8)  | HSSNMT39L |  |

| NoMount Driver for EK  |         |                   |           |   |
|--|---------|-------------------|-----------|---|
| Description  | C       | Length            | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Ø3.5 implant is combined with the bottom of the lower marking</li> <li>Ø4.0, Ø4.5, Ø5.0, Ø6.0 and Ø7.0 implants are combined with the upper part of the lower marking</li> <li>The distance between the two laser marking is 0.5mm</li> <li>C = Connection</li> </ul> | Regular | Short (27.6)      | HKSNMDCRS |  |
|  |         | Long (32.6)       | HKSNMDCRL |   |
|  |         | Extra Long (37.6) | HKSNMDCRE |   |

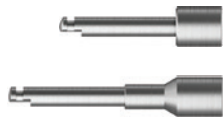
| Implant Driver for ET   |         |                 |           |       |
|---|---------|-----------------|-----------|-------|
| Description   | C       | Length          | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an ET implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Mini    | Short (17)      | HGSMFDS   |       |
|   |         | Long (24)       | GSMFDL    |       |
|   |         | Ex. Long (34)   | HGSMFDE   |       |
|   | Regular | Short (19)      | HGSRFDS   |       |
|   |         | Long (26.6)     | GSRFDL    |       |
|   |         | Ex. Long (33.6) | HGSRFDE   |       |

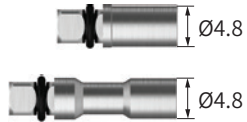
| Implant Driver for SS  |                  |               |           |       |
|--|------------------|---------------|-----------|-------|
| Description  | C                | Length        | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to a SS implant for final adjustments to the implant depth</li> <li>C = Connection</li> </ul> | Regular/<br>Wide | Short (14)    | HSSRFDS   |       |
|  | Regular/<br>Wide | Long (24)     | SSRFDL    |       |
|  | Regular/<br>Wide | Ex. Long (31) | HSSRFDE   |       |


| Implant Driver for EK   |         |        |           |       |
|---|---------|--------|-----------|-------|
| Description   | C       | Length | Item Code | Image |
| <ul style="list-style-type: none"> <li>Connects directly to an EK implant for final adjustments to the implant's depth</li> <li>C = Connection</li> </ul> | Regular | Short  | HKSFDS    |       |
|   |         | Long   | HKSFDL    |       |

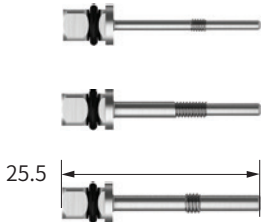
| Torque Extension   |           |       |
|--|-----------|-------|
| Description  | Item Code | Image |
| <ul style="list-style-type: none"> <li>Extends the length of an instrument by 10mm</li> <li>Connects to the torque wrench</li> </ul> | HOTE      |       |


# Surgical Instrument Kit

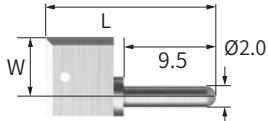
| Simple Mount Driver  |              |           |   |
|--|--------------|-----------|---|
| Description  | Length       | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Connects to mounted implants for placement</li> <li>For use with a handpiece/implant motor</li> </ul> | Short (20.1) | HASMDS    |  |
|  | Long (26.5)  | HASMDL    |   |


| Simple Mount Extension   |              |           |   |
|--|--------------|-----------|---|
| Description  | Length       | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Extends the length of the simple mount driver and converts it for use with the Torque Wrench</li> </ul> | Short (14.5) | HASMES    |  |
|  | Long (20.5)  | HASMEL    |   |

| Simple Open Wrench  |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Disengages the simple mount when bone quality is poor</li> <li>Easy insertion into the mouth with a neck angle of 30°</li> </ul> | SPOW      |  |

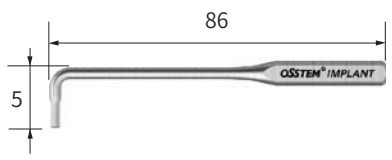
| Removal Tool for Implant Mount   |                           |           |   |
|--|---------------------------|-----------|---|
| Description  | Application               | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Removes the mount if the mount becomes wedged in the implant</li> <li>Used with Driver Handle or Torque Wrench</li> <li>Removes the mount screw, insert the Removal Tool into the mount, and turn clockwise</li> <li>App = Application</li> </ul> | Mini (ET,US)              | HERFM     |  |
|  | Regular (ET,US) Wide (SS) | HHRFR     |   |
|  | Wide (US)                 | HERFW     |   |


| Depth Gauge  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Measures drilling depth (7~15mm)</li> </ul> | ODG       |  |


| Positioning Guide   |            |           |   |
|---|------------|-----------|---|
| Description   | W/L        | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Help set the drilling interval for implant insertion</li> <li>Insert after initial drilling</li> </ul> | 2.5 / 21.5 | HAPG201   |  |
|   | 6.0 / 17.5 | HAPG202   |   |
|   | 11 / 17.5  | HAPG203   |   |

| Tissue Height Gauge for ET   |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Connects to the ET implant to measure the height of the gingiva in relation to the implant</li> </ul> | HGTSHG    |  A long, thin metal gauge with two curved ends. The central part has markings: '1238458788 M OSSTEM IMPLANT S 8878541321'. |

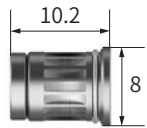
| Ratchet Wrench  |             |   |
|---|-------------|---|
| Description   | Item Code   | Image   |
| <ul style="list-style-type: none"> <li>It prevents wrench from backdriving</li> <li>Excessive torquing may cause damage to the bone or the inside of a implant</li> </ul> | CITQW-1185A |  A ratchet wrench with a circular head and a long handle. The handle has 'OSSTEM IMPLANT' printed on it. |

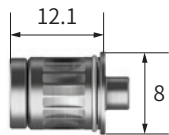
| L-Wrench  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>1.2 hex driver for hard to reach areas like narrow intermaxillary areas</li> <li>Torque indication: when the wrench starts to bend (around 10°), it is possible to apply 5~8Ncm of torque</li> </ul> | HLWC      |  An L-shaped wrench with a 1.2mm hex driver end. Dimensions are shown: 86mm for the handle length and 5mm for the driver length. The handle has 'OSSTEM IMPLANT' printed on it. |

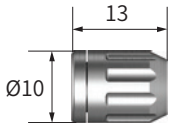
| Torque Wrench - Bar Type   |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Adjusts the implant depth, and tightens abutments, screws, etc.</li> <li>Pull the bar back until the desired torque value is reached</li> </ul> | TQWCB     |  A torque wrench with a circular head and a long handle. The handle has 'OSSTEM IMPLANT' printed on it. |


| Torque Wrench - Spring Type  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>Applies a precise amount of torque (10/20/30Ncm) to the screw and abutment</li> <li>The neck of the torque wrench will bend when the exact amount of torque has been delivered</li> <li>Do not continue to torque after the neck has bent; excessive force may cause screw fracture etc.</li> </ul> | HTW30     |  A torque wrench with a circular head and a long handle. The handle has 'OSSTEM IMPLANT' printed on it. |

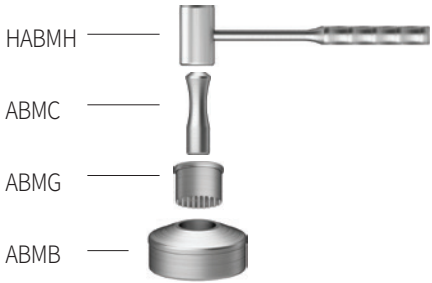
# Surgical Instrument Kit

| Torque Connector  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>• Tool used convert a square driver connection to a bi-directional connection for the torque wrench</li> </ul> | HRC       |  |


| Machine Driver Connector  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>• Tool used convert a machine driver into a bi-directional connection for the torque wrench</li> </ul> | HMDC      |  |

| Driver Handle   |           |  |
|---|-----------|--|
| Description   | Item Code | Image  |
| <ul style="list-style-type: none"> <li>• Connects to the Torque Driver</li> </ul> | HTIDHC    |  |


| Machine Driver Handle   |           |   |
|---|-----------|---|
| Description   | Item Code | Image/Guide   |
| <ul style="list-style-type: none"> <li>• Tool used convert engine type surgical tools into a manual type</li> </ul> | HMDH      |  |

| Bone Mill  |           |  |
|--|-----------|--|
| Description  | Item Code | Image  |
| <ul style="list-style-type: none"> <li>• Grinds harvested autogenous bone</li> </ul> | HABM      |  |

### Anterior Hand Driver for Implant

| Description   | Item Code | Image   |
|---|-----------|---|
| <ul style="list-style-type: none"><li>Manually torque implants in the anterior area</li><li>Connect to a NoMount torque driver or a implant driver</li><li>Excessive torque may cause damage to the implant and/or driver</li></ul> | HAHDI     |  A hand driver with a blue handle and a silver shaft. The handle has "OSSTEM" printed on it. |

### Torque Handle





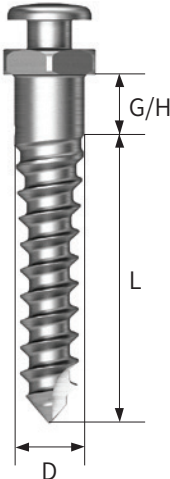






| Description  | Item Code | Image   |
|--|-----------|---|
| <ul style="list-style-type: none"><li>Connectable to a contra-angle handpiece (Hand-Piece gear ratio to 1:1)</li><li>Used to connect healing abutments, cover screws, abutment screws, orthodontic screws, etc. (Note: after connecting, make sure that it is tightened with a torque wrench)</li><li>Excessive torque may cause damage to the screw and/or hand piece</li></ul> | HTQHD     |  A torque handle with a silver body and red accents. The body has "OSSTEM IMPLANT" printed on it. |

***HIOSSEN***  
***IMPLANT***











# ORTHODONTIC SYSTEM

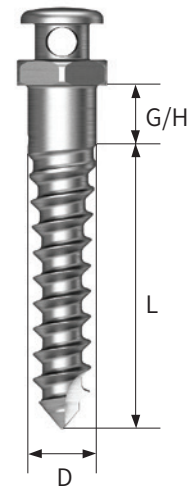
|                                     |     |
|-------------------------------------|-----|
| OrthAnchor Simple Head              | 234 |
| OrthAnchor Through Hole             | 235 |
| OrthAnchor Small Head               | 236 |
| OrthAnchor Bracket Head             | 237 |
| OrthAnchor Simple Head Half Etched  | 238 |
| OrthAnchor Through Hole Half Etched | 239 |
| Ortho KIT                           | 240 |

# OrthAnchor Simple Head









| Simple Head  |   |   |   |   |   |  | Guide  |
|--|---|---|---|---|---|--|--|
| Description  |   |   |   |   |   |  |  |
| <ul style="list-style-type: none"> <li>Machined surface</li> <li>Material : Ti-6Al-4V</li> <li>No through-hole</li> <li>Fixation Components: coil spring (<math>\varnothing 2.5</math>), power chain, elastic band</li> </ul> <p>※ G/H 4.0 Type is a Make-to-Order Product</p> |   |   |   |   |   |  |  |
| D  | $\varnothing 1.2$   |   |   | $\varnothing 1.4$   |   |  |  |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10   |  |
| L  |    |    |   |    |    |  |  |
| 1.5  | OSSH1206  | OSSH1208  | -   | OSSH1406  | OSSH1408  | -  |  |
| 4.0  | -   | -   | -   | -   | -   | -  |  |
| D  | $\varnothing 1.6$   |   |   | $\varnothing 1.8$   |   |  |  |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10   |  |
| L  |  |  |  |  |  |  |  |
| 1.5  | OSSH1606  | OSSH1608  | OSSH1610  | OSSH1806  | OSSH1808  | OSSH1810   |  |
| 4.0  | OSSH16064   | -   | -   | OSSH18064   | -   | -  |  |

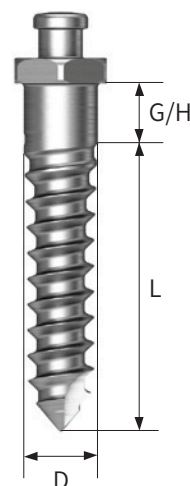
# OrthAnchor Through Hole

| Through Hole   |   |   |   |   |   |   | Guide |
|--|---|---|---|---|---|---|-------|
| Description  |   |   |   |   |   |   |       |
| <ul style="list-style-type: none"> <li>Machined surface</li> <li>Material : Ti-6Al-4V</li> <li>No through-hole</li> <li>Fixation Components: coil spring (Ø2.5), power chain, elastic band</li> </ul> <p>※ G/H 4.0 Type is a Make-to-Order Product</p> |   |   |   |   |   |   |       |
| <b>D</b>   | <b>Ø1.2</b>   |   |   | <b>Ø1.4</b>   |   |   |       |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10  |       |
| L  |    |    |   |    |    |   |       |
| 1.5  | OSTH1206  | OSTH1208  | -   | OSTH1406  | OSTH1408  | -   |       |
| 4.0  | -   | -   | -   | -   | -   | -   |       |
| <b>D</b>   | <b>Ø1.6</b>   |   |   | <b>Ø1.8</b>   |   |   |       |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10  |       |
| L  |  |  |  |  |  |  |       |
| 1.5  | OSTH1606  | OSTH1608  | OSTH1610  | OSTH1806  | OSTH1808  | OSTH1810  |       |
| 4.0  | OSTH16064   | -   | -   | OSTH18064   | -   | -   |       |



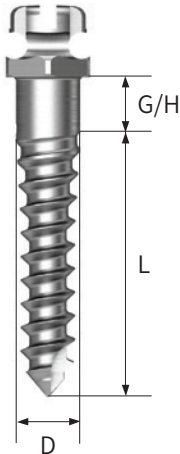








# OrthAnchor Small Head











| Small Head  |   |   |   |   |   |  |
|---|---|---|---|---|---|--|
| Description   |   |   |   | Guide   |   |  |
| <ul style="list-style-type: none"> <li>Machined surface</li> <li>Material : Ti-6Al-4V</li> <li>Head diameter: Ø1.48 mm</li> <li>Fixation Components: coil spring (Ø1.5/2.0/2.5), power chain, elastic band</li> </ul> |   |   |   |   |   |  |
| D   | Ø1.2  |   |   | Ø1.4  |   |  |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |
| L   |   |   |   |    |    |  |
| 1.5   | -   | -   | -   | OSSH1406  | OSSH1408  | -  |
| 4.0   | -   | -   | -   | -   | -   | -  |
| D   | Ø1.6  |   |   | Ø1.8  |   |  |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |
| L   |  |  |  |  |  |  |
| 1.5   | OSSH1606  | OSSH1608  | OSSH1610  | OSSH1806  | OSSH1808  | OSSH1810   |
| 4.0   | -   | -   | -   | -   | -   | -  |



# OrthAnchor Bracket Head

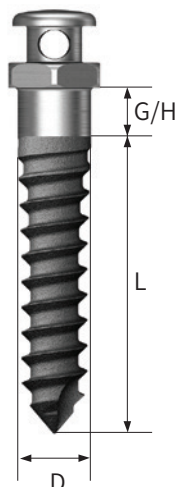










| Bracket Head   |   |   |   |   |   |   | Guide  |
|--|---|---|---|---|---|---|--|
| Description  |   |   |   |   |   |   |  |
| <ul style="list-style-type: none"> <li>Machined surface</li> <li>Material : Ti-6Al-4V</li> <li>Excellent compatibility with various archwires</li> <li>Easy path adjustment using the cross wire slot</li> <li>Fixation Components: arch wire (rec./round), coil spring (Ø2.5), power chain, elastic band</li> </ul> |   |   |   |   |   |   |  |
| D  | Ø1.2  |   |   | Ø1.4  |   |   |  |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10  |  |
| L  |   |   |   |    |    |   |  |
| 1.5  | -   | -   | -   | OSBH1406  | OSBH1408  | -   |  |
| 4.0  | -   | -   | -   | -   | -   | -   |  |
|  |   |   |   |   |   |   |  |
| D  | Ø1.6  |   |   | Ø1.8  |   |   |  |
| G/H  | 6   | 8   | 10  | 6   | 8   | 10  |  |
| L  |  |  |  |  |  |  |  |
| 1.5  | OSBH1606  | OSBH1608  | OSBH1610  | OSBH1806  | OSBH1808  | OSBH1810  |  |
| 4.0  | -   | -   | -   | -   | -   | -   |  |

# OrthAnchor Simple Head Half Etched

| Simple Head Half Etched   |   |   |   |   |   |  | Guide |
|---|---|---|---|---|---|--|-------|
| Description   |   |   |   |   |   |  |       |
| <ul style="list-style-type: none"> <li>• Acid etched surface</li> <li>• Material : Ti-6Al-4V</li> <li>• Minimization of early detachment possibility</li> <li>• Minimizes the risk of early detachment</li> <li>• Provides stable results when applied in pediatric/adolescent patients or cases with poor bone quality</li> <li>• Fixation Components: arch wire (round), coil spring (Ø2.5), power chain, elastic band</li> </ul> |   |   |   |   |   |  |       |
| D   | Ø1.2  |   |   | Ø1.4  |   |  |       |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |       |
| L   |    |    |   |    |    |  |       |
| 1.5   | OSSH1206HE  | OSSH1208HE  | -   | OSSH1406HE  | OSSH1408HE  | -  |       |
| D   | Ø1.6  |   |   | Ø1.8  |   |  |       |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |       |
| L   |  |  |  |  |  |  |       |
| 1.5   | OSSH1606HE  | OSSH1608HE  | OSSH1610HE  | OSSH1806HE  | OSSH1808HE  | OSSH1810HE   |       |

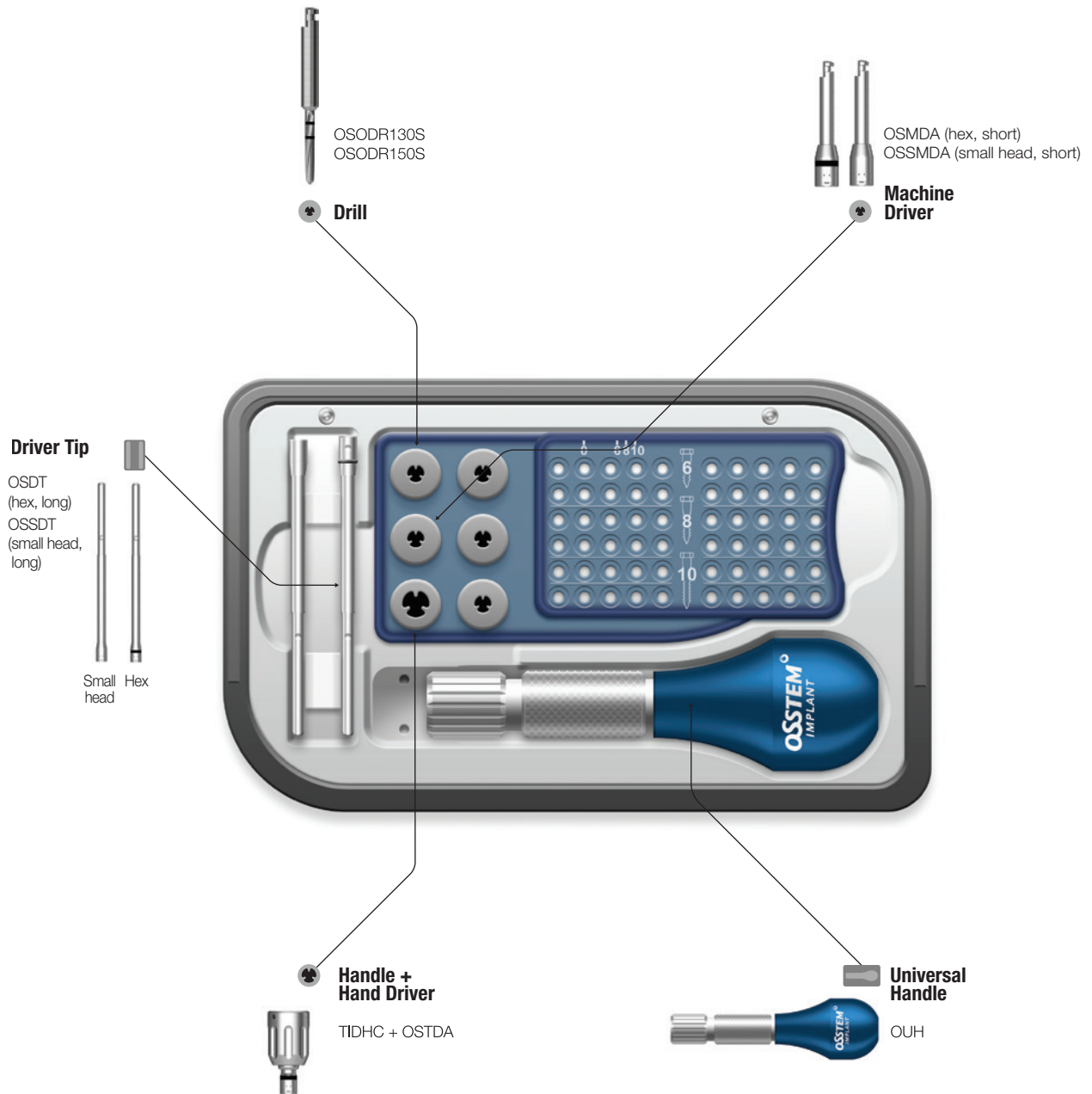


# OrthAnchor Through Hole Half Etched

| Through Hole Half Etched  |   |   |   |   |   |  | Guide  |
|---|---|---|---|---|---|--|--|
| Description   |   |   |   |   |   |  |  |
| <ul style="list-style-type: none"> <li>• Acid etched surface</li> <li>• Material : Ti-6Al-4V</li> <li>• Minimization of early detachment possibility</li> <li>• Minimizes the risk of early detachment</li> <li>• Provides stable results when applied in pediatric/adolescent patients or cases with poor bone quality</li> <li>• Fixation Components: arch wire (round), coil spring (Ø2.5), power chain, elastic band</li> </ul> |   |   |   |   |   |  |  |
| <b>D</b>  | <b>Ø1.2</b>   |   |   | <b>Ø1.4</b>   |   |  |  |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |  |
| L   |    |    |   |    |    |  |  |
| 1.5   | OSSH1206HE  | OSSH1208HE  | -   | OSSH1406HE  | OSSH1408HE  | -  |  |
| <b>D</b>  | <b>Ø1.6</b>   |   |   | <b>Ø1.8</b>   |   |  |  |
| G/H   | 6   | 8   | 10  | 6   | 8   | 10   |  |
| L   |  |  |  |  |  |  |  |
| 1.5   | OSSH1606HE  | OSSH1608HE  | OSSH1610HE  | OSSH1806HE  | OSSH1808HE  | OSSH1810HE   |  |

# Orth Kit (OOKS)

Applicable Products OS




# Orth Kit Surgical Instruments

| Drill   |   |             |           |           |           |
|---|---|-------------|-----------|-----------|-----------|
| Description   |   | Image/Guide |           |           |           |
| <ul style="list-style-type: none"> <li>• Connect to handpiece (engine) for use</li> <li>• Ø1.0 drill: For Ø1.2 / 1.4 screws</li> <li>• Ø1.3 drill: For Ø1.6 screws</li> <li>• Ø1.5 drill: For Ø1.8 screws</li> <li>• Recommended speed: 800 rpm (high speed)</li> <li>• Recommended to drill cortical bone only before implantation (For very thick cortical bone, drill to the same length as the screw)</li> <li>• Ø1.0 drill is sold separately (not included in the kit)</li> </ul> |   |             |           |           |           |
| D   | L |             |           | Short     | Long      |
| Ø1.0  |   |             |           | OSODR100S | -         |
| Ø1.3  |   |             |           | OSODR130S | OSODR130C |
| Ø1.5  |   | OSODR150S   | OSODR150C |           |           |



| Universal Handle  |           |       |
|---|-----------|-------|
| Description   | Item Code | Image |
| <ul style="list-style-type: none"> <li>• Used after connecting to the driver tip</li> <li>• Features an anti-slip handle for easy handling</li> </ul> | OUH       |       |

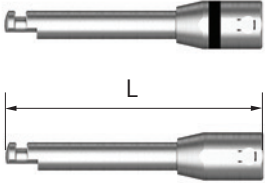
| Driver Tip  |            |             |            |       |
|---|------------|-------------|------------|-------|
| Description   | Type       | Short       | Long       | Image |
| <ul style="list-style-type: none"> <li>• Connects to a universal handle for OrthAnchor placement</li> <li>• Available types: standard hex driver and small-head driver</li> </ul> | Hex        | OSDTS (45)  | OSDT (67)  |       |
|   | Small Head | OSSDTS (45) | OSSDT (67) |       |

# Surgical Instrument Kit

| Hand Drill  |           |   |
|---|-----------|---|
| Description   | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Connects to the Universal Handle for use</li> <li>Designed for cortical bone removal only</li> <li>Drilling depth: 4 mm</li> <li>Sold separately (not included in the kit)</li> </ul> <p>※ Keep the drill aligned to avoid bending stress during use</p> | OSHDR130  |  |

| Driver Handle  |           |   |
|--|-----------|---|
| Description  | Item Code | Image   |
| <ul style="list-style-type: none"> <li>Used for manual tightening of screws after connecting to the hand driver</li> </ul> | HTIDHC    |  |

| Hand Driver   |            |           |   |
|---|------------|-----------|---|
| Description   | Type       | Item code | Image   |
| <ul style="list-style-type: none"> <li>Connects to a driver handle or ratchet wrench for OrthAnchor screw placement</li> <li>Available types: standard hex driver and small-head hand driver</li> <li>Small-head hand driver sold separately (not included in the kit)</li> </ul> | Hex        | OSTDA     |  |
|   | Small Head | OSSTDA    |  |

| Machine Driver  |            |               |               |   |
|---|------------|---------------|---------------|---|
| Description   | Type       | Short         | Long          | Image   |
| <ul style="list-style-type: none"> <li>Connects to the engine for OrthAnchor placement</li> <li>Available types: standard hex driver and small-head machine driver</li> </ul> | Hex        | OSMDA (21.4)  | OSMDB (31.4)  |  |
|   | Small Head | OSSMDA (21.4) | OSSMDB (31.4) |   |

**HIOSSEN**  
IMPLANT

**HIOSSEN**  
IMPLANT

# GBR & DENTAL MATERIAL

## XENOGRAFT BONE

A-Graft 246

## ALLOGRAFT BONE

SurFuse™ / ExFuse™ 246

SureOss™ / SureOss™-D / OsteOss™ 247

CANOSS™ / INGROSS™ / H-OSS™ 248

Omni Oss® 249

ExOss™ / ExOss™ Plus 250

SureGenix 251

## ABSORBABLE MEMBRANE

SureDerm™ / D-Sure™ Block 252

OssGuide / Cytoplast® RTM Collagen  
/ Synthetic Bone (Alloplast) 253

## NON-ABSORBABLE MEMBRANE

Cytoplast® TXT-200 / Cytoplast® TI-150 254

Cytoplast® TI-250 255

## ABSORBABLE WOUND DRESSING

Cytoplast® RTM Plug / Foam / Tape 256

Zcore™ Expand / Form 257

## BONE REGENERATION SOLUTIONS

OssBuilder Type & Components 258

OssBuilder Kit & Components 264

GBR Kit & components 268

## DENTAL MATERIAL

HySil Plus 272

Impression Accessories 273

## SUTURE

### NON-ABSORBABLE

UNIFY® - Nylon / PTFE 274

Cytoplast - PTFE 275

### ABSORBABLE


UNIFY® - PDO / PGCL 276

UNIFY® - Premium Chromic Gut 277


Glycolon Resorba 278


PGA Resorba 279

# Xenograft Bone



| A-Graft  |      |          |                    |   |  |
|--|------|----------|--------------------|---|--|
| Description  | g    | P        | 0.25~1.0mm (Small) | Image   |  |
| <ul style="list-style-type: none"> <li>• DBB (Deproteinized Bovine Bone)</li> <li>• Osteoconductive properties</li> <li>• Great volume stability</li> <li>• Excellent Biocompatibility</li> <li>• Raw materials: USA</li> <li>• Manufacturer: Hiossen, Inc</li> <li>• P = Particle size</li> </ul> | 0.1  | (0.2cc)  | HAS010SV           |  |  |
|  | 0.25 | (0.5cc)  | HAS025SV           |   |  |
|  | 0.5  | (1.0cc)  | HAS050SV           |   |  |
|  | 1.0  | (2.0cc)  | HAS100SV           |   |  |
|  | 2.0  | (4.0cc)  | HAS200SV           |   |  |
|  | g    | P        | 1.0~2.0mm (Large)  |   |  |
|  | 0.1  | (0.3cc)  | HAS010LV           |   |  |
|  | 0.25 | (0.75cc) | HAS025LV           |   |  |
|  | 0.5  | (1.5cc)  | HAS050LV           |   |  |
|  | 1.0  | (3.0cc)  | HAS100LV           |   |  |
|  | 2.0  | (6.0cc)  | HAS200LV           |   |  |



# Allograft Bone DBM Putty



| SurFuse™  |     |       |   |
|---|-----|-------|---|
| Description   | CC  | Putty | Image   |
| <ul style="list-style-type: none"> <li>• DFDBA (Deminerlized Cortical Bone) with CMC (Carboxymethylcellulose) Carrier</li> <li>• Osteoconductive and Osteoinductive properties</li> <li>• Syringe Delivery</li> <li>• Excellent biocompatibility</li> <li>• Premixed, ready to use, and easy to shape and mold as needed</li> <li>• Particle size: 200~850 µm</li> <li>• Composition: 30% DFDBA Cortical, 70% CMC</li> <li>• Shelf life: 2 years stored in room temperature</li> <li>• Manufacturer: HansBiomed Corp</li> </ul> | 0.3 | SP03  |  |
|   | 0.5 | SP05  |   |
|   | 1.0 | SP1   |   |

| ExFuse™  |     |       |   |
|--|-----|-------|---|
| Description  | CC  | Putty | Image   |
| <ul style="list-style-type: none"> <li>• DFDBA (Deminerlized Cortical Bone) with Cancellous Bone &amp; CMC Carrier</li> <li>• Osteoconductive and osteoinductive properties</li> <li>• Syringe delivery</li> <li>• Excellent biocompatibility</li> <li>• Premixed, ready to use, and easy to shape and mold as needed</li> <li>• Particle size: 200~850 µm</li> <li>• Composition: 20% DFDBA Cortical, 10% FDBA Cancellous and 70% CMC</li> <li>• Shelf life: 2 years stored in room temperature</li> <li>• Manufacturer: HansBiomed Corp</li> </ul> | 0.3 | EP03  |  |
|  | 0.5 | EP05  |   |
|  | 1.0 | EP1   |   |



# Allograft Bone Powder/Chip



| SureOss® (FDBA)  |               |                    |   |
|--|---------------|--------------------|---|
| Description  | Chips         |                    | Image   |
| <ul style="list-style-type: none"> <li>FDBA (Mineralized Freeze-dried Bone Allograft)</li> <li>100% Cortical Allograft Bone</li> <li>Excellent biocompatibility</li> <li>Osteoconductive and Osteoinductive properties</li> <li>Curved syringe type</li> <li>Shelf life: 5 years stored at room temperature</li> <li>Manufacturer: HansBiomed Corp</li> </ul> <p>* 1.0 cc (0.5 cc x 2 per box)</p> | CC            | <b>850-1500 µm</b> |  |
|  | 0.25          | SOC25              |   |
|  | 0.5           | SOC50              |   |
|  | *1.0          | SOC100             |   |
|  | <b>Powder</b> |                    |  |
|  | CC            | <b>200~850 µm</b>  |   |
|  | 0.25          | SOP25              |   |
|  | 0.5           | SOP50              |   |
|  | *1.0          | SOP100             |   |


| SureOss®-D (DFDBA)  |               |                    |   |
|---|---------------|--------------------|---|
| Description   | Chips         |                    | Image   |
| <ul style="list-style-type: none"> <li>DFDBA (DeminerIALIZED Freeze-dried Bone Allograft)</li> <li>100% Cortical Allograft Bone</li> <li>Excellent biocompatibility</li> <li>Osteoinductive properties</li> <li>Curved syringe type</li> <li>Shelf life: 5 years stored at room temperature</li> <li>Manufacturer: HansBiomed Corp.</li> </ul> <p>* 1.0 cc (0.5 cc x 2 per box)</p> | CC            | <b>850-1500 µm</b> |   |
|   | 0.25          | DSOC25             |   |
|   | 0.5           | DSOC50             |   |
|   | *1.0          | DSOC100            |   |
|   | <b>Powder</b> |                    |  |
|   | CC            | <b>200~850 µm</b>  |   |
|   | 0.25          | DSOP25             |   |
|   | 0.5           | DSOP50             |   |
|   | *1.0          | DSOP100            |   |

| OsteOss™ (FDBA)  |               |                    |   |
|--|---------------|--------------------|---|
| Description  | Chips         |                    | Image   |
| <ul style="list-style-type: none"> <li>FDBA (Mineralized Freeze-dried Bone Allograft)</li> <li>50% Cortical, 50% Cancellous Bone</li> <li>Excellent biocompatibility</li> <li>Great Osteoconductive and Osteoinductive properties</li> <li>Curved syringe type</li> <li>Shelf life: 5 years stored at room temperature</li> <li>Manufacturer: HansBiomed Corp.</li> </ul> <p>* 1.0 cc (0.5 cc x 2 per box)</p> | CC            | <b>850-1500 µm</b> |  |
|  | 0.25          | CCC025             |   |
|  | 0.5           | CCC050             |   |
|  | *1.0          | CCC100             |   |
|  | <b>Powder</b> |                    |  |
|  | CC            | <b>200~850 µm</b>  |   |
|  | 0.25          | CCP025             |   |
|  | 0.5           | CCP050             |   |
|  | *1.0          | CCP100             |   |



# Allograft Bone Powder/Chip

| CANOSS™ (FDBA)   |               |                    |   |   |
|--|---------------|--------------------|---|---|
| Description  | Chips         |                    | Image   |   |
| <ul style="list-style-type: none"> <li>• FDBA (Mineralized Freeze-dried Bone Allograft)</li> <li>• 100% Cancellous Allograft</li> <li>• Osteoinduction/Osteoconduction</li> <li>• Syringe delivery</li> <li>• Excellent biocompatibility</li> <li>• Easy handling</li> <li>• Manufacturer: HanBiomed Corp</li> </ul> | CC            | <b>850-1500 µm</b> |  |   |
|  | 0.25          | CAC025             |   |   |
|  | 0.5           | CAC050             |   |   |
|  | 1.0           | CAC100             |   |   |
|  | <b>Powder</b> |                    |   |  |
|  | CC            | <b>200~850 µm</b>  |   |   |
|  | 0.25          | CAP025             |   |   |
|  | 0.5           | CAP050             |   |   |
|  | 1.0           | CAP100             |   |   |



| INGROSS™ (DFDBA+FDBA)   |               |                    |  |   |
|---|---------------|--------------------|--|---|
| Description   | Chips         |                    | Image  |   |
| <ul style="list-style-type: none"> <li>• DFDBA (Deminerlized Freeze-dried Bone Allograft)</li> <li>• 100% Cortical Bone</li> <li>• (70% Mineralized and 30% Deminerlized Cortical Bone)</li> <li>• Osteoinduction/Osteoconduction</li> <li>• Syringe delivery</li> <li>• Excellent biocompatibility</li> <li>• Easy handling</li> <li>• Manufacturer: HanBiomed Corp</li> </ul> | CC            | <b>850-1500 µm</b> |  |   |
|   | 0.25          | CDC025             |  |   |
|   | 0.5           | CDC050             |  |   |
|   | 1.0           | CDC100             |  |   |
|   | <b>Powder</b> |                    |  |  |
|   | CC            | <b>200~850 µm</b>  |  |   |
|   | 0.25          | CDP025             |  |   |
|   | 0.5           | CDP050             |  |   |
|   | 1.0           | CDP100             |  |   |



| H-Oss™ (FDBA)  |        |                   |   |
|--|--------|-------------------|---|
| Description  | Powder |                   | Image   |
| <ul style="list-style-type: none"> <li>• FDBA (Mineralized Freeze-dried Bone Allograft)</li> <li>• 70% Cortical and 30% Cancellous Bone</li> <li>• Curved syringe type</li> <li>• Excellent biocompatibility</li> <li>• Osteoconductive and Osteoinductive properties</li> <li>• Shelf life: 5 years stored at room temperature</li> <li>• Manufacturer: HanBiomed Corp</li> </ul> | CC     | <b>200~850 µm</b> |  |
|  | 0.25   | HCCP025           |   |
|  | 0.5    | HCCP050           |   |
|  | 1.0    | HCCP100           |   |

# Allograft Bone Powder/Chip




| Omni Oss® (FDBA)   |                                      |                               |                                 |  |   |
|--|--------------------------------------|-------------------------------|---------------------------------|--|---|
| Description  | 100% Cortical                        |                               |                                 | Image  |   |
| <ul style="list-style-type: none"> <li>FDBA (Mineralized Freeze-dried Bone Allograft)</li> <li>100% Cortical Bone</li> <li>70% Cortical and 30% Cancellous Bone</li> <li>50% Cortical and 50% Cancellous Bone</li> <li>Syringe Delivery</li> <li>Osteoconductive and Osteoinductive properties</li> <li>Shelf Life: 5 years stored at room temperature</li> <li>Manufacturer: KMLbio</li> </ul> <p>* 1.0 cc (0.5 cc x 2 per box)</p> | CC                                   | <b>Chips</b><br>0.71 – 1.6 mm | <b>Powder</b><br>0.25 – 0.71 mm |  <p>Omni Oss®</p> |   |
|  | 0.3                                  | OSC030                        | OS030                           |  |   |
|  | 0.5                                  | OSC050                        | OS050                           |  |   |
|  | 1.0                                  | OSC100                        | OS100                           |  |   |
|  | <b>70% Cortical / 30% Cancellous</b> |                               |                                 |  |  <p>Omni Oss® Plus A</p>   |
|  | CC                                   | <b>Chips</b><br>0.71 – 1.6 mm | <b>Powder</b><br>0.25 – 0.71 mm |  |   |
|  | 0.3                                  | OSPC030A                      | OSP030A                         |  |   |
|  | 0.5                                  | OSPC050A                      | OSP050A                         |  |   |
|  | 1.0                                  | OSPC100A                      | OSP100A                         |  |   |
|  | <b>50% Cortical / 50% Cancellous</b> |                               |                                 |  |  <p>Omni Oss® Plus B</p> |
|  | CC                                   | <b>Chips</b><br>0.71 – 1.6 mm | <b>Powder</b><br>0.25 – 0.71 mm |  |   |
|  | 0.3                                  | OSPC030B                      | OSP030B                         |  |   |
|  | 0.5                                  | OSPC050B                      | OSP050B                         |  |   |
| 1.0  | OSPC100B                             | OSP100B                       |                                 |  |   |

# Allograft Bone Powder/Chip

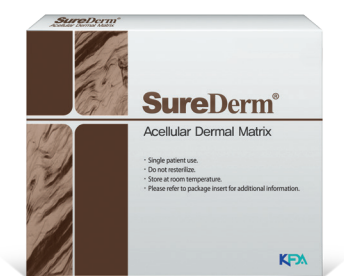
| ExOss® (FDBA) |  |                   |       |   |
|---------------|--|-------------------|-------|---|
| Description   | Chips  |                   | Image |   |
|               | <ul style="list-style-type: none"> <li>• FDBA (Mineralized freeze-dried bone allograft)</li> <li>• 100% Cortical bone</li> <li>• Osteoconduction/Osteoinduction</li> <li>• Excellent biocompatibility</li> <li>• Vial type</li> <li>• Shelf life: 5 years stored at room temperature</li> <li>• Manufacturer: HansBiomed Corp</li> </ul>  | CC                |       | <b>850-1500 µm</b>  |
| 0.25          |  | EOSOC025          |       |   |
| 0.5           |  | EOSOC050          |       |   |
| 1.0           |  | EOSOC100          |       |   |
| 2.0           |  | EOSOC200          |       |   |
| 5.0           |  | EOSOC500          |       |   |
|               |  | Powder            |       |  |
| CC            |  | <b>200~850 µm</b> |       |   |
| 0.25          |  | EOSOP025          |       |   |
| 0.5           |  | EOSOP050          |       |   |
| 1.0           |  | EOSOP100          |       |   |
| 5.0           |  | EOSOP500          |       |   |


| ExOss™ Plus (FDBA) |  |                   |       |   |
|--------------------|--|-------------------|-------|---|
| Description        | Chips  |                   | Image |   |
|                    | <ul style="list-style-type: none"> <li>• FDBA (Mineralized freeze-dried bone allograft)</li> <li>• 50% Cortical / 50% Cancellous Bone</li> <li>• Osteoconduction/Osteoinduction</li> <li>• Excellent biocompatibility</li> <li>• Vial type</li> <li>• Shelf life: 5 years stored at room temperature</li> <li>• Manufacturer: HansBiomed Corp</li> </ul>  | CC                |       | <b>850-1500 µm</b>  |
| 0.25               |  | EOCCC025          |       |   |
| 0.5                |  | EOCCC050          |       |   |
| 1.0                |  | EOCCC100          |       |   |
| 2.0                |  | EOCCC200          |       |   |
| 5.0                |  | EOCCC500          |       |   |
|                    |  | Powder            |       |  |
| CC                 |  | <b>200~850 µm</b> |       |   |
| 0.25               |  | EOCCP025          |       |   |
| 0.5                |  | EOCCP050          |       |   |
| 1.0                |  | EOCCP100          |       |   |
| 5.0                |  | EOCCP500          |       |   |

# Allograft Bone Powder/Chip

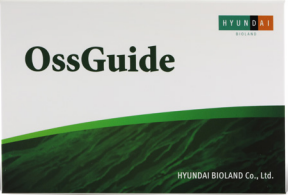
| SureGenix (FDBA)  |                             |                            |                            |  |
|---|-----------------------------|----------------------------|----------------------------|--|
| Description   | 50% Cortical/50% Cancellous |                            | Image                      |  |
| <ul style="list-style-type: none"> <li>FDBA (Mineralized allograft Bone)</li> <li>100% Cortical Bone</li> <li>100% Cancellous Bone</li> <li>50% Cortical/50% Cancellous Bone</li> <li>Vial Type</li> <li>Manufacturer: Allotech for Hiossen</li> <li>※ 5.0 cc contains 2 x 2.5 cc vials</li> </ul>  | CC                          | <b>Chips</b><br>850~1500µm | <b>Powder</b><br>200~850µm |  |
|   | 0.25                        | SGCCC025                   | SGCCP025                   |   |
|   | 0.5                         | SGCCC050                   | SGCCP050                   |  |
|   | 1.0                         | SGCCC100                   | SGCCP100                   |  |
|   | 2.5                         | SGCCC250                   | SGCCP250                   |  |
|   | 5.0                         | SGCCC500                   | SGCCP500                   |  |
|   | <b>100% Cortical</b>        |                            |                            |  |
|   | CC                          | <b>Chips</b><br>850~1500µm | <b>Powder</b><br>200~850µm |  |
|   | 0.25                        | SGCOC025                   | SGCOP025                   |  |
|   | 0.5                         | SGCOC050                   | SGCOP050                   |  |
|   | 1.0                         | SGCOC100                   | SGCOP100                   |  |
|   | 2.5                         | SGCOC250                   | SGCOP250                   |  |
|   | 5.0                         | SGCOC500                   | SGCOP500                   |  |
|   | <b>100% Cancellous</b>      |                            |                            |  |
|   | CC                          | <b>Chips</b><br>850~1500µm | <b>Powder</b><br>200~850µm |  |
|   | 0.25                        | SGCAC025                   | SGCAP025                   |  |
|   | 0.5                         | SGCAC050                   | SGCAP050                   |  |
|   | 1.0                         | SGCAC100                   | SGCAP100                   |  |
|   | 2.5                         | SGCAC250                   | SGCAP250                   |  |
|   | 5.0                         | SGCAC500                   | SGCAP500                   |  |


# Absorbable Membrane Acellular Dermal Matrix

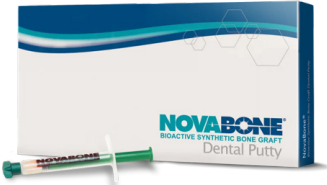
| SureDerm® ADM   |         |                      |   |
|---|---------|----------------------|---|
| Description   | Size    | Thickness            | Image   |
| <ul style="list-style-type: none"> <li>• ADM (Acellular Dermal Matrix)</li> <li>• Derived from Human Dermis</li> <li>• Promotes membrane and gingival tissue reconstruction</li> <li>• Recommend at least 10 minutes' rehydration before application</li> <li>• Excellent biocompatibility</li> <li>• Shelf life: 3 years stored at room temperature</li> <li>• Manufacturer: HanBiomed Corp</li> </ul> | mm      | <b>0.18 ~ 0.6 mm</b> |  <p>The image shows a white rectangular box for SureDerm Acellular Dermal Matrix. The box features a brown and white pattern on the left side. Text on the box includes 'SureDerm®', 'Acellular Dermal Matrix', and 'KFA'. There are also some smaller text instructions on the box.</p> |
|   | 10 X 20 | D01BX0102            |   |
|   | 10 X 40 | D01BX0104            |   |
|   | 20 X 20 | D01BX0202            |   |
|   | 20 X 40 | D01BX0204            |   |
|   | mm      | <b>0.4 ~ 1.0 mm</b>  |   |
|   | 10 X 20 | D04BX0102            |   |
|   | 10 X 40 | D04BX0104            |   |
|   | 20 X 20 | D04BX0202            |   |
|   | 20 X 40 | D04BX0204            |   |
|   | mm      | <b>0.9 ~ 1.6 mm</b>  |   |
|   | 10 X 20 | D09DX0102            |   |
|   | 10 X 40 | D09DX0104            |   |
|   | 20 X 20 | D09DX0202            |   |
|   | 20 X 40 | D09DX0204            |   |

| Allograft Bone Block  |          |           |  |
|---|----------|-----------|--|
| Description   | mm       | Item code | Image  |
| <ul style="list-style-type: none"> <li>• DFDBA (Deminerlized Freeze-Dried Bone)</li> <li>• 100% Cancellous Bone Block</li> <li>• Excellent biocompatibility</li> <li>• Osteoinductive and osteoconductive properties</li> <li>• 3D lattice structure promotes rapid revascularization</li> <li>• Open trabecular architecture mimics natural bone</li> <li>• Provides an optimal scaffold for filling larger defects</li> <li>• Available in 3 sizes</li> <li>• Shelf life: 5 years stored at room temperature</li> <li>• Manufacturer: HanBiomed Corp</li> </ul> | 10X10X10 | GSB10     |  <p>The image shows a white rectangular box for D-Sure Block. The box features a purple and white design. Text on the box includes 'DFDBA Deminerlized Freeze-Dried Bone Allograft', 'D-Sure Block', and 'Deminerlized Cancellous Block'. There is also a small image of the bone block on the box.</p> |
|   | 12X12X12 | GSB12     |  |
|   | 14X14X14 | GSB14     |  |







# Absorbable Membrane Collagen







| OssGuide  |         |               |   |
|---|---------|---------------|---|
| Description   | Size    | Thickness     | Image   |
| <ul style="list-style-type: none"> <li>• Porcine Pericardium Collagen</li> <li>• Resorption time: 3-4 months</li> <li>• Rapid hydration for immediate use</li> <li>• Excellent tensile strength for reliable handling</li> <li>• Enhanced tear resistance for durable performance</li> <li>• Packing Unit: 1/Box</li> <li>• Shelf life: 3 years stored at room temperature</li> <li>• Manufacturer: Hyundai Bioland, Co, Ltd</li> </ul> | mm      | <b>0.3 mm</b> |  |
|   | 15 X 20 | TG-1          |   |
|   | 20 X 30 | TG-2          |   |
|   | 30 X 40 | TG-3          |   |

| Cytoplast® RTM Collagen  |         |               |   |
|--|---------|---------------|---|
| Description  | Size    | Thickness     | Image   |
| <ul style="list-style-type: none"> <li>• Bovine Collagen Membrane</li> <li>• RTM (Resorbable Tissue Matrix)</li> <li>• Long-lasting collagen membrane with a resorption profile of 26-38 weeks</li> <li>• Easily drapes over the ridge for optimal coverage</li> <li>• High tensile strength for secure stabilization</li> <li>• Multi-layer construction for enhanced performance</li> <li>• Cell-occlusive design to support tissue regeneration</li> <li>• Packing Unit: 2ea/box</li> <li>• Shelf life: 5 years stored at room temperature</li> <li>• Manufacturer: Osteogenics, USA</li> </ul> | mm      | <b>0.3 mm</b> |  |
|  | 15 X 20 | RTM1520       |   |
|  | 20 X 30 | RTM2030       |   |
|  | 30 X 40 | RTM3040       |   |



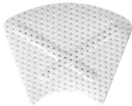







| Synthetic Bone (Alloplast)  |     |           |   |
|---|-----|-----------|---|
| Description   | CC  | Item code | Image   |
| <ul style="list-style-type: none"> <li>• 100% Synthetic, Resorbable Putty</li> <li>• Composed of Calcium Phosphosilicate (CPS) combined with polyethylene glycol and glycerin binder.</li> <li>• The binder enhances handling and helps maintain interparticle spacing, promoting revascularization after implantation.</li> <li>• Ready-to-use, pre-mixed, cohesive, moldable, and fully adaptable to the defect site.</li> <li>• Resorption Time: 10 ~ 12 months</li> <li>• Shelf life: 4 years stored at room temperature</li> <li>• Manufacturer: NovaBone</li> </ul> | 0.5 | NA1610    |  |
|   | 1.0 | NA1611    |   |
|   | 2.0 | NA1612    |   |

# Non-Absorbable Membrane

| Cytoplast® TXT-200  |         |  |  |
|---|---------|--|--|
| Description   | mm      | Single   | Image  |
| <ul style="list-style-type: none"> <li>Non resorbable high-density PTFE membrane</li> <li>Porosity: less than 0.3 microns</li> <li>Designed to withstand exposure</li> <li>Regentex surface is designed to increase surface area available for soft tissue attachment</li> <li>Bacteria size: 2 ~ 5 µm</li> <li>Manufacturer: Osteogenics, USA</li> </ul> <p>※ TXT1224: 10 membranes/Box</p> <p>※ TXT1230: 10 membranes/Box</p> <p>※ TXT2530: 4 membranes/Box</p> | 12 X 24 |  <p>TXT1224</p>  |   |
|   | 12 X 30 |  <p>TXT1230</p>  |   |
|   | 25 X 30 |  <p>TXT2530</p> |  |

| Cytoplast® TI-150  |         |   |   |
|--|---------|---|---|
| Description  | mm      | TI-150  | Image   |
| <ul style="list-style-type: none"> <li>Titanium-Reinforced Non-Resorbable Membrane</li> <li>High-density PTFE membrane</li> <li>Easily molded and shaped for tenting and space maintenance</li> <li>Titanium frame can be trimmed and shaped to create additional space for bone regeneration</li> <li>Regentex™ surface enhances surface area for improved soft tissue attachment</li> <li>Thickness: 150 µm</li> <li>Manufacturer: Osteogenics, USA</li> </ul> | 14 X 24 |  <p>Anterior Single<br/>TI150AS-1</p>         |  |
|  | 12 X 24 |  <p>Anterior Narrow Double<br/>TI150ANL-2</p> |  |
|  | 20 X 25 |  <p>Posterior Single<br/>TI150PS-1</p>        |  |

# Non-Absorbable Membrane

| Cytoplast® TI-250  |         |  |   |
|--|---------|--|---|
| Description  | mm      | Ti-250   | Image   |
| <ul style="list-style-type: none"> <li>• Non-Resorbable High-Density PTFE Membrane</li> <li>• Ideal for ridge augmentation and grafting of bony defects missing one or more walls</li> <li>• Easily molded and shaped for tenting and space maintenance</li> <li>• Titanium frame can be trimmed and shaped to create additional space for bone regeneration</li> <li>• Regentex™ surface enhances surface area for improved soft tissue attachment</li> <li>• Thickness: 250 µm</li> <li>• Manufacturer: Osteogenics</li> </ul> | 12x24   | <br><b>Anterior Narrow Single</b><br>TI250ANL-1<br><b>Anterior Narrow Double</b><br>TI250ANL-2 |    |
|  | 13 X 19 | <br><b>Anterior Perio Single</b><br>TI250AP-1<br><b>Anterior Perio Double</b><br>TI250AP-2     |    |
|  | 14x24   | <br><b>Anterior Single</b><br>TI250AS-1<br><b>Anterior Double</b><br>TI250AS-2               |  |
|  | 20x25   | <br><b>Posterior Single: TI250PS-1</b><br><b>Posterior Double: TI250PS-2</b>                 |  |
|  | 25 X 30 | <br><b>Posterior Large Single</b><br>TI250PL-1<br><b>Posterior Large Double</b><br>TI250PL-2 |  |

# Absorbable Wound Dressing Collagen

| Cytoplast® RTM Plug  |         |   |   |
|--|---------|---|---|
| Description  | mm      |   | Image   |
| <ul style="list-style-type: none"> <li>• Resorbable Collagen Scaffold</li> <li>• Soft, sponge-like matrix ideal for irregular or larger defect sites</li> <li>• Absorbs blood and supports clot stabilization and tissue regeneration</li> <li>• Easily cut and shaped to conform to defect contours</li> <li>• Provides hemostatic protection and promotes predictable healing</li> <li>• Biodegradable and completely resorbed during the natural healing process.</li> <li>• Resorption time: within 30 days</li> <li>• Manufacturer: Osteogenics, USA</li> <li>• 10 Units/box</li> </ul> | 10 X 20 |  <p>RTMPLUG10</p>    |    |
| Cytoplast® RTM Foam  |         |   |   |
| Description  | mm      | Thickness: 3 mm   | Image   |
| <ul style="list-style-type: none"> <li>• Resorbable Collagen Scaffold</li> <li>• Soft, sponge-like matrix ideal for irregular or larger defect sites</li> <li>• Absorbs blood and supports clot stabilization and tissue regeneration</li> <li>• Easily cut and shaped to conform to defect contours</li> <li>• Provides hemostatic protection and promotes predictable healing</li> <li>• Biodegradable and completely resorbed during the natural healing process.</li> <li>• Resorption time: within 30 days</li> <li>• Manufacturer: Osteogenics, USA</li> <li>• 10 Units/box</li> </ul> | 20 X 40 |  <p>RTMFOAM10</p> |   |
| Cytoplast® RTM Tape  |         |   |   |
| Description  | mm      | Thickness: 1 mm   | Image   |
| <ul style="list-style-type: none"> <li>• Resorbable Collagen Sheet</li> <li>• Thin, flexible collagen layer for covering grafts or superficial wounds</li> <li>• Excellent adaptability for flat or shallow surgical sites</li> <li>• Serves as a resorbable barrier to protect and stabilize the wound area</li> <li>• Can be layered or folded for added thickness when needed</li> <li>• Simple handling, fast hydration, and natural tissue integration</li> <li>• Resorption time: within 30 days</li> <li>• Manufacturer: Osteogenics, USA</li> <li>• 10 Units/box</li> </ul>          | 25 X 75 |  <p>RTMTAPE10</p> |  |

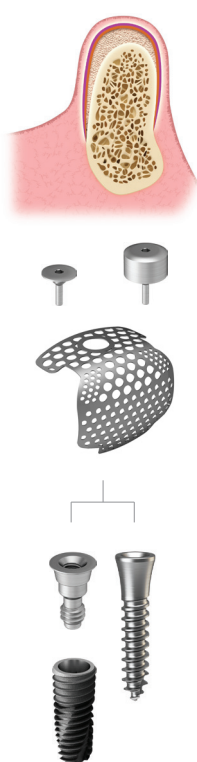
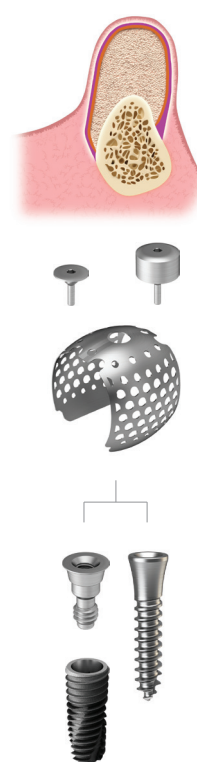
# Absorbable Xenograft Collagen

| Zcore™ Expand  |        |     |            |
|--|--------|-----|------------|
| Description  | Type   | Qty | Item code  |
| <ul style="list-style-type: none"> <li>Composed of 65% porcine xenograft particulate and 35% porcine collagen by volume (80% xenograft and 20% collagen by weight)</li> <li>Hydrates and expands almost immediately when in contact with blood or saline</li> <li>Expands to fill voids in sockets or sinus defects</li> <li>Interconnected porous structure supports new bone formation and ingrowth</li> <li>High porosity (88% void space) reduces bulk density, leaving more room for new bone growth</li> </ul> | Socket | 1   | ZXSOCKET-1 |
|  | Socket | 5   | ZXSOCKET-5 |
|  | Sinus  | 1   | ZXSINUSS   |
|  | Sinus  | 1   | ZXSINUSL   |




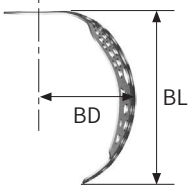
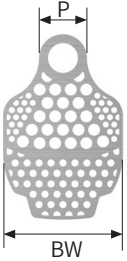

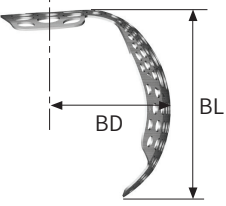
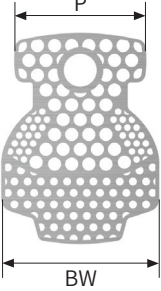

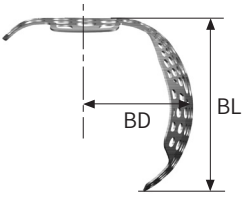
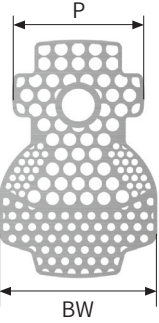
| Zcore™ Form   |     |           |  |
|---|-----|-----------|--|
| Description   | CC  | Item code | Image  |
| <ul style="list-style-type: none"> <li>Composed of 80% porcine xenograft particulate and 20% porcine collagen by volume (90% xenograft and 10% collagen by weight)</li> <li>Hydrates instantly when in contact with blood or saline</li> <li>Becomes moldable to fit defects of various shapes and sizes</li> <li>Interconnected porous structure supports new bone formation and ingrowth</li> <li>High porosity (88% void space) reduces bulk density, leaving more room for new bone growth</li> </ul> | 0.5 | ZF050     | The image shows the packaging for Zcore™ Form. It consists of a white box with an orange top section. The box features the Zcore logo, which is a stylized orange diamond shape. Below the logo, the text "ZCORE™ FORM" is printed in orange and black. There is also a small illustration of a syringe on the box. In front of the box, there is one white, cylindrical tablet. |
|   | 1.0 | ZF100     |  |
|   | 2.0 | ZF200     |  |

# OssBuilder Type

| OssBuilder   |  |
|--|--|
| Description  |  |
| <ul style="list-style-type: none"> <li>• 3D Pre-Formed Titanium Mesh</li> <li>• Pre-shaped 3D design—no trimming or bending needed</li> <li>• Fits various bone defects; stable, wrinkle-free placement</li> <li>• Wide range of sizes available</li> <li>• Mesh minimizes soft tissue exposure</li> <li>• Screw fixation prevents graft and mesh movement</li> <li>• Optimized pore structure for enhanced osteogenesis</li> <li>• Compatible with submerged and non-submerged techniques               <ul style="list-style-type: none"> <li>- Non-submerged surgery: Use with Healing Cap</li> <li>- Submerged surgery: Use with Cover Cap</li> </ul> </li> <li>• Surgical Guidelines:               <ul style="list-style-type: none"> <li>- Simultaneous GBR with implant placement: Healing/ Cover Cap + OssBuilder + OB Anchor + Fixture</li> <li>- Narrow or insufficient bone: Healing/ Cover Cap + OssBuilder + Tenting Screw</li> </ul> </li> </ul> <p>※ Disposable, single use only</p> |  |
| OB2  | OB3  |
| <p><b>Titanium Barrier Membrane for Alveolar Bone Regeneration</b></p> <ul style="list-style-type: none"> <li>• Ideal for reconstructing minor vertical or horizontal bone defects in socket extractions, fenestrations, and dehiscence cases</li> <li>• Restores the alveolar ridge to its natural shape</li> </ul>    | <p><b>Titanium Barrier Membrane for Ridge Augmentation</b></p> <ul style="list-style-type: none"> <li>• Designed for cases with severe alveolar bone resorption</li> <li>• Enables vertical and horizontal ridge reconstruction of 5–10 mm in cases of severe alveolar bone resorption</li> <li>• Restores ridge volume for optimal implant placement</li> </ul>  |

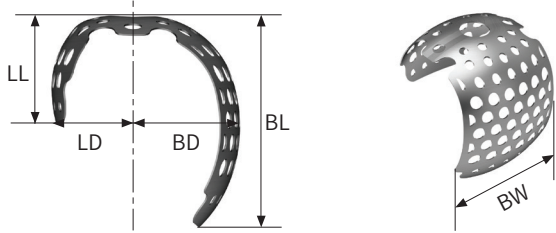
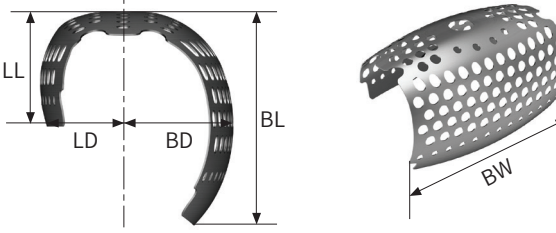
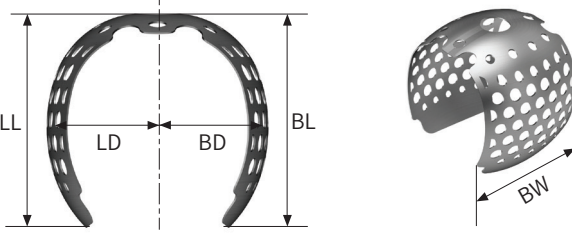
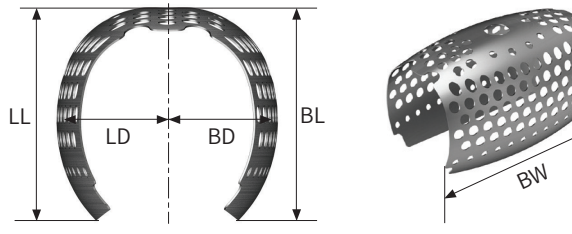
# OssBuilder Type

P = Proximal    BW = Buccal Width    BL = Buccal Length    BD = Buccal Distance

| Lateral Builder   |    |    |    |     |             |
|---|----|----|----|-----|-------------|
| Augmentation  | P  | BW | BL | BD  | Item code   |
| <b>1 Wall</b><br>                        | 4  | 8  | 7  | 5.5 | SM1W487SB   |
|   | 4  | 10 | 7  | 5.5 | SM1W4107SB  |
|   | 4  | 10 | 9  | 5.5 | SM1W4109SB  |
| <b>2 Wall<br/>Buccal-Proximal</b><br>   | 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 |
| <b>3 Wall</b><br>                  | 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 |

# OssBuilder Type

**BW** = Buccal Width **BL** = Buccal Length **LL** = Ligual Length **BD** = Buccal Distance **LD** = Lingual Distance

| Jaw Builder   |    |    |     |     |     |           |
|---|----|----|-----|-----|-----|-----------|
| Augmentation  | BW | BL | LL  | BD  | LD  | Item code |
| <b>Horizontal</b><br>  | 10 | 7  | 3.5 | 3.7 | 3.7 | SB3H107F  |
|   | 10 | 9  | 4.5 | 3.7 | 3.7 | SB3H109F  |
|   | 10 | 11 | 6   | 3.7 | 3.7 | SB3H1011F |
| <b>Horizontal</b><br> | 20 | 7  | 3.5 | 3.7 | 3.7 | SB3H207F  |
|   | 20 | 9  | 4.5 | 3.7 | 3.7 | SB3H209F  |
|   | 20 | 11 | 6   | 3.7 | 3.7 | SB3H2011F |
| <b>Vertical</b><br>  | 10 | 7  | 7   | 5.5 | 5.5 | SB3V107F  |
|   | 10 | 9  | 9   | 5.5 | 5.5 | SB3V109F  |
|   | 10 | 11 | 11  | 5.5 | 5.5 | SB3V1011F |
| <b>Vertical</b><br>  | 20 | 7  | 7   | 5.5 | 5.5 | SB3V207F  |
|   | 20 | 9  | 9   | 5.5 | 5.5 | SB3V209F  |
|   | 20 | 11 | 11  | 5.5 | 5.5 | SB3V2011F |

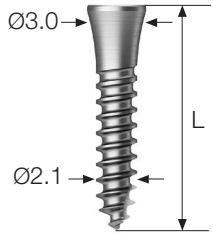
# OssBuilder Type Components

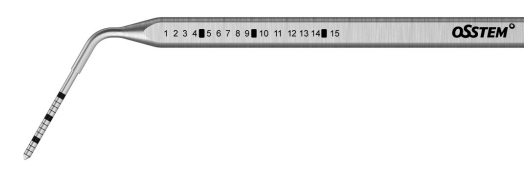
| Healing Cap (ET)   |      |   |          |          |       |
|--|------|---|----------|----------|-------|
| Description  | D    | H | 3.0      | 4.0      | Image |
| <ul style="list-style-type: none"> <li>For Non-submerged Procedure</li> <li>Compatible with OB2 and OB3</li> <li>Use 0.9 Hex Hand Driver for tightening</li> <li>Recommended tightening torque: 5-8 Ncm</li> </ul> ※ Disposable. Single use only | Ø4.0 |   | SBHC4030 | SBHC4040 |       |
|  | Ø5.0 |   | SBHC5030 | SBHC5040 |       |

| Cover Cap (ET)   |      |   |          |  |       |
|--|------|---|----------|--|-------|
| Description  | D    | H | 0.3      |  | Image |
| <ul style="list-style-type: none"> <li>For Submerged Procedure</li> <li>Compatible with OB2 and OB3</li> <li>Use 0.9 Hex Hand Driver for tightening</li> <li>Recommended tightening torque: 5-8 Ncm</li> </ul> ※ Disposable. Single use only | Ø4.0 |   | SBCC4000 |  |       |
|  |      |   |          |  |       |

| OB Anchor (ET)   |             |             |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Description  |             |             |             |             |             | Image       |             |
| <ul style="list-style-type: none"> <li>For ET implants</li> <li>Compatible with OB2 and OB3</li> <li>Use 0.9 Hex Hand Driver for tightening</li> <li>Recommended tightening torque: 12-15 Ncm</li> </ul> ※ Disposable. Single use only |             |             |             |             |             |             |             |
|  |             |             |             |             |             |             |             |
| G/H  | 0           | 0.5         | 1.0         | 1.5         | 2.0         | 2.5         | 3.0         |
| <b>Mini</b>  | SBAC3500TSM | SBAC3505TSM | SBAC3510TSM | SBAC3515TSM | SBAC3520TSM | SBAC3525TSM | SBAC3530TSM |
| <b>Regular</b>   | SBAC4000TSR | SBAC4005TSR | SBAC4010TSR | SBAC4015TSR | SBAC4020TSR | SBAC4025TSR | SBAC4030TSR |

# OssBuilder Type Components

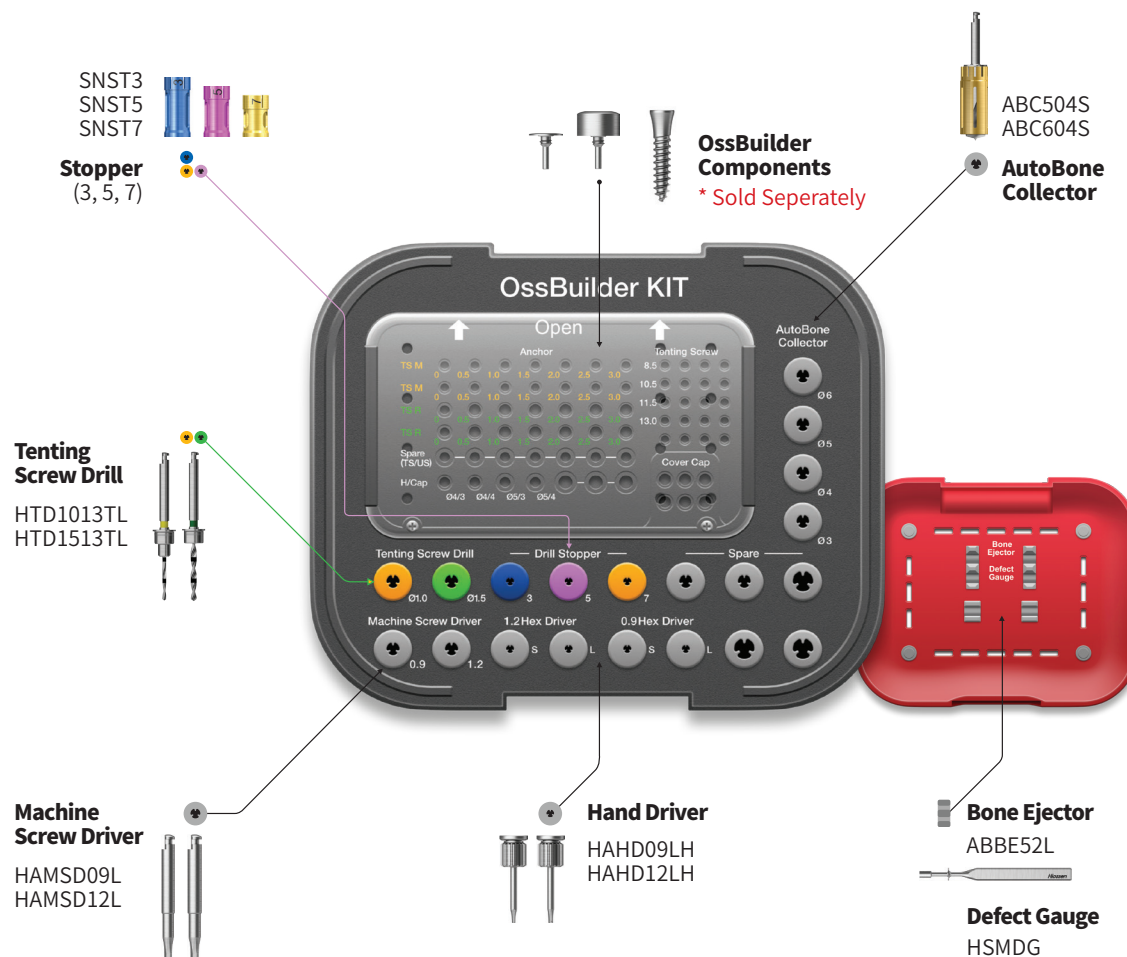
| Tenting Screw (Internal Type)  |          |          |          |   |          |
|--|----------|----------|----------|---|----------|
| Description  |          |          |          | Image   |          |
| <ul style="list-style-type: none"> <li>• Can be used as an alternative to an implant in cases of insufficient bone volume or narrow ridge width</li> <li>• Compatible with OB2 and OB3</li> <li>• Recommended placement depth:               <ul style="list-style-type: none"> <li>- Hard/normal bone: 3–5 mm</li> <li>- Soft bone: <math>\geq 5</math> mm</li> </ul> </li> <li>• For slow placement, use a 0.9 hex torque driver</li> <li>• Compatible with ET cover caps and healing caps</li> </ul> <p>※ Disposable. Single use only</p> |          |          |          |  |          |
| L  | 8.5      | 10       | 11.5     |   | 13       |
|  | SBS2008I | SBS2010I | SBS2011I |   | SBS2013I |

| Defect Gauge   |  |
|--|--|
| Description  | Image/Item code  |
| <ul style="list-style-type: none"> <li>• Measures vertical and horizontal bone defects</li> <li>• Features 1 mm markings with bold lines at 4–5, 9–10, and 14–15 mm</li> <li>• Enables accurate selection of OssBuilder</li> </ul> |  |
|  | HSM DG   |

**HIOSSEN**  
IMPLANT

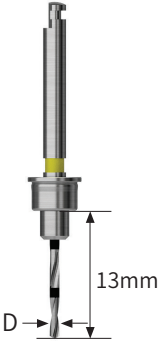

# OssBuilder KIT (HGBRK)

- Complete kit containing all instruments required for efficient GBR procedures, designed for use with OssBuilder OB2/OB3, OB Anchor, Cover Cap, and Healing Cap
- Tenting screws support the management of extensive vertical and horizontal bone defects, including narrow ridge widths
- Allows immediate autogenous bone collection with the AutoBone Collector



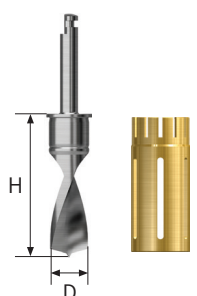
|                     | Item                 | Specification               | Default/Option  |
|---------------------|----------------------|-----------------------------|-----------------|
| <b>Middle plate</b> | Tenting Screw Drill  | Ø1.0, Ø1.5                  | Included        |
|                     | Stopper              | 3, 5, 7mm                   | Included        |
|                     | Machine Screw Driver | 0.9 hex long, 1.2 hex long  | Included        |
|                     | Hex Hand Driver      | 0.9 hex long, 1.2 hex long  | Included        |
|                     | AutoBone Collector   | Ø3.0, Ø4.0                  | Sold separately |
|                     |                      | Ø5.0, Ø6.0                  | Included        |
|                     | OB Anchor            | ET mini, regular(0~1.5mm)   | Sold separately |
|                     |                      | ET mini, regular(2.0~3.0mm) | Sold separately |
|                     | Healing Cap          | Ø4.0, Ø5.0(3, 4mm)          | Sold separately |
| Tenting Screw       | 8.5, 10, 11.5, 13mm  | Sold separately             |                 |
| Cover Cap           | -                    | Sold separately             |                 |
| <b>Bottom plate</b> | Bone Ejector         | -                           | Included        |
|                     | Defect Gauge         | -                           | Included        |


# OssBuilder KIT Surgical Instruments

| Tenting Screw Drill  |        |   |   |
|--|--------|---|---|
| Description  | Length | Ø1.0  | Ø1.5  |
| <ul style="list-style-type: none"> <li>Used for drilling prior to tenting screw placement</li> <li>Drill selection:                             <ul style="list-style-type: none"> <li>- Ø1.5 mm for hard bone</li> <li>- Ø1.0 mm for normal or soft bone</li> </ul> </li> <li>Laser-marked depth indicators: 1–8 mm</li> <li>Recommended drilling speed: 1,200–1,500 rpm</li> <li>Stopper adjustment: 3–7 mm</li> </ul> | 13mm   |  |  |
|  |        | HTD1013TL   | HTD1513TL   |

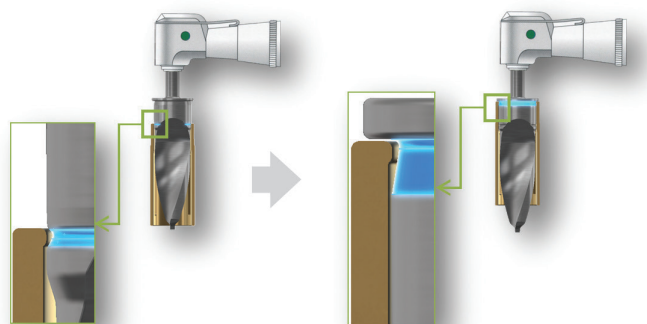
| Stopper  |   |   |   |
|--|---|---|---|
| Description  | L: 3mm  | L: 5mm  | L: 7mm  |
| <ul style="list-style-type: none"> <li>Used to connect to the tenting screw drill</li> <li>L = Length</li> </ul> |  |  |  |
|  | SNST3   | SNST5   | SNST7   |

# AutoBone Collector

| AutoBone Collector   |      |         |         |   |
|--|------|---------|---------|---|
| Description  | D    | Short   | Long    | Image   |
| <ul style="list-style-type: none"> <li>Attach the stopper to the drill at the first locking position before initial drilling</li> <li>Advance the drill to 4 mm (second locking position) while harvesting autogenous bone</li> <li>Stop the drill before removal once bone collection is complete</li> <li>Available sizes: D3.0 – D6.0 (Drill + Stopper)</li> <li>Recommended speed: 300–600 rpm</li> <li>Maximum usage: Up to 50 uses per drill and stopper</li> </ul> <p>※ Refer to the <b>Two-Stage Locking Stopper Guide</b></p> | Ø3.0 | ABC304S | ABC304L |  |
|  | Ø4.0 | ABC404S | ABC404L |   |
|  | Ø5.0 | ABC504S | ABC504L |   |
|  | Ø6.0 | ABC604S | ABC604L |   |
|  |      |         |         |   |

| AutoBone Stopper  |      |            |            |   |
|---|------|------------|------------|---|
| Description   | D    | Short      | Long       | Image   |
| <ul style="list-style-type: none"> <li>Stops at a maximum depth of 4 mm for bone harvesting</li> <li>Collects and stores autogenous bone during drilling</li> </ul> | Ø3.0 | ABC2ST304S | ABC2ST304L |  |
|   | Ø4.0 | ABC2ST404S | ABC2ST404L |   |
|   | Ø5.0 | ABC2ST504S | ABC2ST504L |   |
|   | Ø6.0 | ABC2ST604S | ABC2ST604L |   |
|   |      |            |            |   |


## Two-Stage Locking Stopper Guide



Engage the stopper at the first-stage locking position prior to drilling

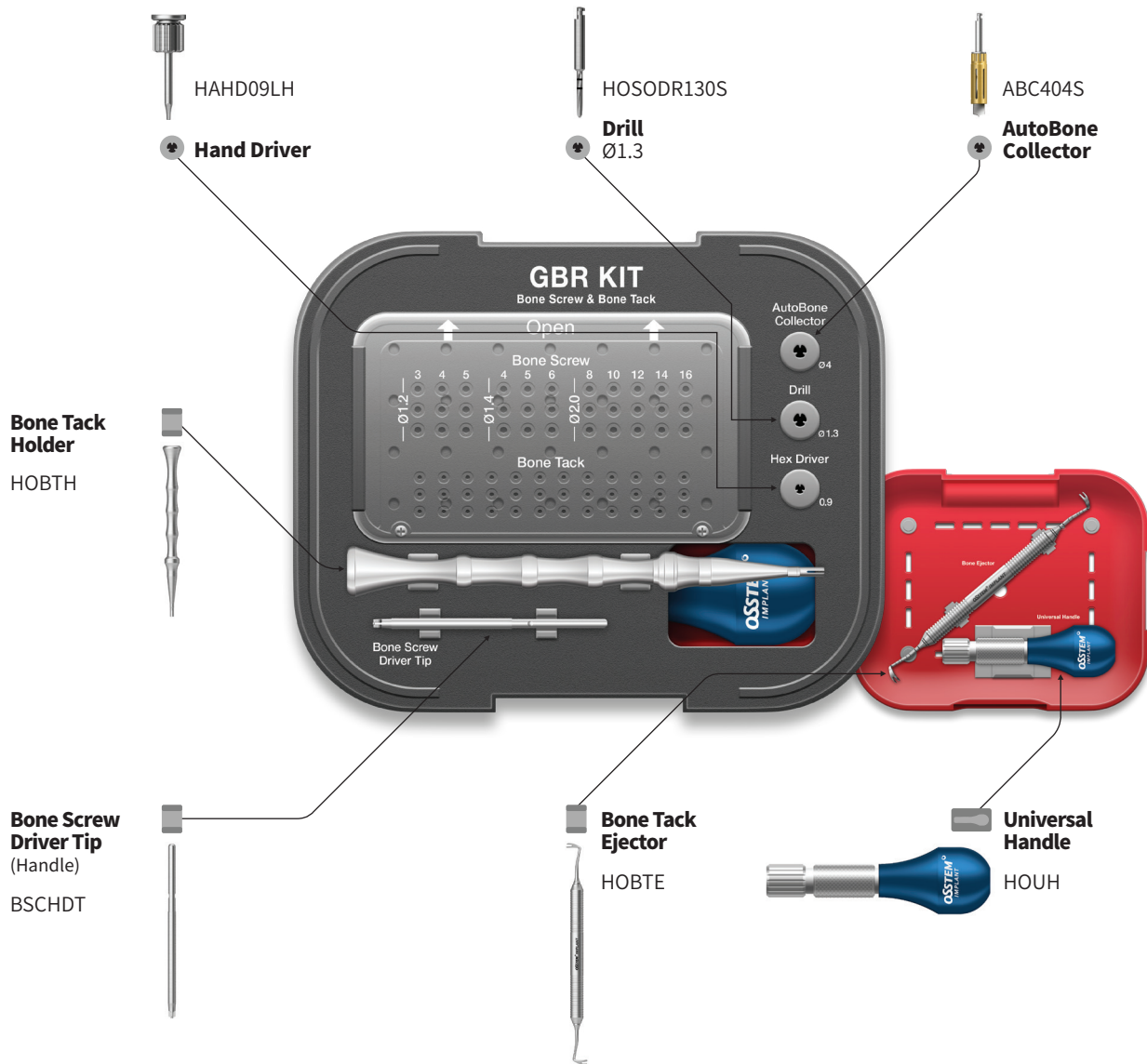
Move and secure the stopper to the second-stage lock once the drilling depth is reached

# AutoBone Collector

| Bone Ejector  |                     |  |
|---|---------------------|--|
| Description   | Dimension           | Image  |
| <ul style="list-style-type: none"><li>Instrument for ejecting harvested autogenous bone from the stopper.</li></ul> | Ø3.0/Ø4.0/Ø5.0/Ø6.0 |  |
|   | ABBE52L             |  |


# GBR KIT (HNGBRK)


- Comprehensive kit containing all essential instruments for GBR procedures using bone screws and bone tacks




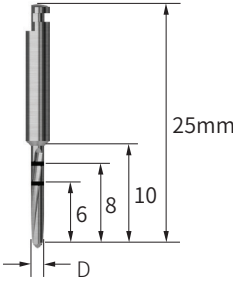
# GBR KIT Surgical Instruments

## Bone Screw

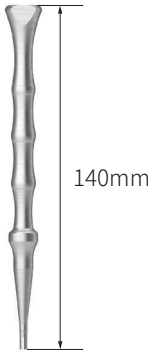
| Bone Screw Driver Tip (Handle)  |   |
|---|---|
| Description/Item code   | Image   |
| <ul style="list-style-type: none"> <li>Used by connecting to a universal handle</li> <li>Applied after the bone screw is fully seated vertically</li> </ul> |  |
| <b>Cross</b>  |   |
| BSCHDT  |   |

| Universal Handle  |   |
|---|---|
| Description/Item code   | Image   |
| <ul style="list-style-type: none"> <li>Used to connect the Bone Screw Driver Tip</li> </ul> |  |
|   |   |
| HOUH  |   |

| Bone Screw Driver (Engine)  |  |
|---|--|
| Description/Item code   | Image  |
| <ul style="list-style-type: none"> <li>Used by connecting to a surgical engine</li> <li>Fully seat the bone screw vertically</li> <li>Recommended Speed: 20rpm</li> </ul> |  |
| <b>Cross</b>  |  |
| HBSCMD  |  |


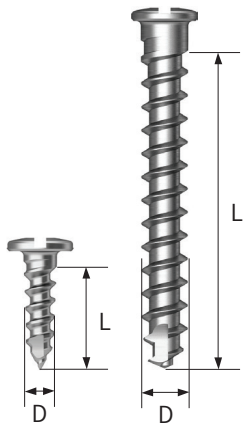










| Ø1.3 Drill  |  |
|---|--|
| Description/Item code   | Image  |
| <ul style="list-style-type: none"> <li>Used for Pre-drilling before D2.0 bone screw placement</li> <li>Recommended Speed: 800rpm</li> </ul> |  |
| <b>D</b>  |  |
| Ø1.3      HOSODR130S  |  |

## Bone Tack

| Bone Tack Holder   |   |
|--|---|
| Description/Item code  | Image   |
| <ul style="list-style-type: none"> <li>Used to hold the Bone Tack</li> <li>Ergonomic design for easy handling</li> <li>Anti-rotation handle for a secure grip</li> </ul> |  |
|  |   |
| HOBTH  |   |

| Bone Tack Ejector   |   |
|---|---|
| Description/Item code   | Image   |
| <ul style="list-style-type: none"> <li>Lever design for easy removal</li> <li>※ If the bone tack is obstructed by bone, reverse and elevate it with a 0.9 mm hex driver before using the ejector</li> </ul> |  |
|   |   |
| HOBTE   |   |





# Membrane Fixation Screws

| Bone Screw   |    |           |  |  |
|--|----|-----------|--|--|
| Description  | L  | Item code | Image  | Guide  |
| <b>Ø1.2</b> <ul style="list-style-type: none"> <li>Machine surfaced</li> <li>Material Ti-6Al-4V</li> <li>For fixation of non-resorbable membranes and OssBuilder</li> <li>Sharp, self-drilling tip for easy placement</li> <li>Improved resistance to fracture and bending</li> </ul> ※ Disposable. Single Use Only  | 3  | BSCH1203  |   |  |
|  | 4  | BSCH1204  |   |  |
|  | 5  | BSCH1205  |   |  |
| <b>Ø1.4</b> <ul style="list-style-type: none"> <li>Machine surfaced</li> <li>Material Ti-6Al-4V</li> <li>For fixation of non-resorbable membranes and bone plates</li> <li>Sharp, self-drilling tip for easy placement</li> <li>Improved resistance to fracture and bending</li> </ul> ※ Disposable. Single Use Only | 4  | BSCH1404  |   |  |
|  | 6  | BSCH1406  |   |  |
|  | 8  | BSCH1408  |  |  |
| <b>Ø2.0</b> <ul style="list-style-type: none"> <li>Machine surfaced</li> <li>Material Ti-6Al-4V</li> <li>For block bone fixation</li> <li>Requires pre-drilling (not self-drilling)</li> </ul> ※ Disposable. Single Use Only   | 8  | BSCH2008  |  |  |
|  | 10 | BSCH2010  |  |  |
|  | 12 | BSCH2012  |  |  |
|  | 14 | BSCH2014  |  |  |
|  | 16 | BSCH2016  |  |  |

# Membrane Fixation Screws



| Bone Tack   |      |        |   |
|---|------|--------|---|
| Description   | D    | L: 3.0 | Image   |
| <ul style="list-style-type: none"> <li>Used for Membrane Fixation (Resorbable or Non-resorbable)</li> <li>Easily attaches with a mallet without drilling</li> <li>Machined surface</li> <li>Material: Ti-6Al-4V</li> </ul> <p>※ Disposable. Single Use Only</p> | Ø2.5 | OBT3   | <p>The image shows a technical drawing of a Bone Tack screw. It features a hexagonal head with a diameter of 2.5 mm and a height of 0.85 mm. The threaded portion has a length of 7.0 mm. The total length of the screw, including the head, is 3.0 mm.</p> |

# Impression Materials HySil Plus


| Hysil Plus   |                                       |   |   |
|--|---------------------------------------|---|---|
| Description  | Light Body - 50 ml                    | Item code   | Image   |
| <ul style="list-style-type: none"> <li>• Super-hydrophilic VPS impression material for accurate impression-taking</li> <li>• Sufficient working time, fast intraoral setting time                             <ul style="list-style-type: none"> <li>- Working time : 2min</li> <li>- Setting time : 2 min 30 sec</li> </ul> </li> <li>• High-quality raw material from Germany</li> </ul> | <p>4 cartridges<br/>15 cartridges</p> | <p>ESS50LS<br/>ESS50LSB</p>   |    |
|  | <p><b>Mono Body - 50 ml</b></p>       |   |   |
|  | <p>4 cartridges<br/>15 cartridges</p> | <p>ESS50MS<br/>ESS50MSB</p>   |    |
|  | <p><b>Heavy Body - 50 ml</b></p>      |   |   |
|  | <p>4 cartridges<br/>15 cartridges</p> | <p>ESS50HS<br/>ESS50HSB</p>   |  |
|  | <p><b>Bite - 50 ml</b></p>            |   |   |
|  | <p>4 cartridges</p>                   | <p>ESS50B</p>   |  |
| <p><b>Putty - 400 ml</b></p>   |                                       |   |   |
| <p>Base 400 ml<br/>Catalyst 400 ml</p>   | <p>ESS400P</p>                        |  |   |

# Impression Materials Accessory

| Dispenser Gun      |           |   |
|--------------------|-----------|---|
| Description        | Item code | Image   |
| 50ml Dispenser Gun | JFS50DA   |  |

| Mixing Tips  |                    |   |
|--|--------------------|---|
| Description  | Item code          | Image   |
| 50ml Heavy/Mono Body Mixing tips, 300 EA<br>50ml Heavy/Mono Body Mixing tips, 100 EA | OMTH300<br>OMTH100 |  |
| 50ml Light Body Mixing Tips, 300 EA<br>50ml Light Body Mixing Tips, 100 EA           | OMTL300<br>OMTL100 |  |

# Suture Non-Absorbable


| UNIFY® Nylon Surgical Sutures   |   |   |   |           |
|---|---|---|---|-----------|
| Description   | Thread Size: 3/0  | Item code   | Image   |           |
| <ul style="list-style-type: none"> <li>Minimal tissue reaction</li> <li>Smooth flow through tissue while maintaining optimal knot security</li> <li>Ultra sharp needle point for atraumatic tissue penetration</li> <li>Needle coated with silicone for smooth tissue passage</li> <li>Thread type: Monofilament</li> <li>Color: Black</li> <li>Strength duration: 2 years</li> </ul> | <ul style="list-style-type: none"> <li>Needle Spec:                             <ul style="list-style-type: none"> <li>- 19 mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Black</li> <li>Packing: 12 EA/Box</li> </ul> | M-N318R19   |  <p>The image shows a box of UNIFY Nylon Surgical Sutures. The box is white with green and black accents. It features the UNIFY logo and the text 'Nylon Surgical Sutures'. Below the logo, there are instructions: 'Sterile. Do not resterilize. STERILE (ES)'. There are also icons for a scalpel, a needle, and a suture. At the bottom, it says 'AD Surgical'.</p> |           |
|   | <b>Thread Size: 4/0</b>   | <ul style="list-style-type: none"> <li>Needle Spec:                             <ul style="list-style-type: none"> <li>- 19 mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Black</li> <li>Packing: 12 EA/Box</li> </ul> |   | M-N418R19 |
|   | <b>Thread Size: 5/0</b>   | <ul style="list-style-type: none"> <li>Needle Spec:                             <ul style="list-style-type: none"> <li>- 19 mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Black</li> <li>Packing: 12 EA/Box</li> </ul> |   | M-N518R19 |


| UNIFY® - PTFE Surgical Sutures   |   |           |  |
|--|---|-----------|--|
| Description  | Thread Size: 3/0  | Item code | Image  |
| <ul style="list-style-type: none"> <li>Very smooth surface, resulting in minimal tissue trauma</li> <li>Maintains tensile strength</li> <li>Biologically inert and chemically non-reactive</li> <li>Ultra sharp needle point for atraumatic tissue penetration</li> <li>Needle coated with silicone for smooth tissue passage</li> <li>Thread type: Monofilament</li> <li>White, Uncoated</li> <li>Strength duration: Life time</li> </ul> | <ul style="list-style-type: none"> <li>Needle Spec:                             <ul style="list-style-type: none"> <li>- 16mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>Comparable Needles: FS-3/C-12/C22</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul> | M-F318R16 |  <p>The image shows a box of UNIFY PTFE Surgical Sutures. The box is white with black and green accents. It features the UNIFY logo and the text 'PTFE Surgical Sutures'. Below the logo, there are instructions: 'Estéril. No vuelva a esterilizar. STERILE (ES)'. There are also icons for a scalpel, a needle, and a suture. At the bottom, it says 'AD Surgical'.</p> |

# Suture Non-Absorbable

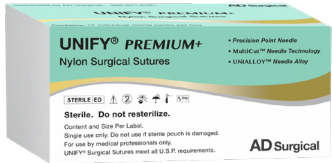
| Cytoplast - PTFE Sutures  |  |             |   |  |
|---|--|-------------|---|--|
| Description   | CS-04 PTFE Suture (USP 2-0)  | Item code   | Image   |  |
| <ul style="list-style-type: none"> <li>The ideal soft monofilament suture for dental bone grafting and implant cases</li> <li>Monofilament construction prevents bacterial wicking into surgical sites</li> <li>Biologically inert PTFE is non-cytotoxic</li> <li>Soft and comfortable for patients</li> <li>Excellent handling and knot security</li> <li>Little or no package memory</li> <li>300 series stainless steel needles</li> <li>Suture Length: 45 cm</li> <li>Packing: 12 EA/Box</li> </ul> | <ul style="list-style-type: none"> <li>Thread Size: 2/0</li> <li>Needle Spec: 19 mm, 3/8 Circle precision reverse cutting</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul> | CS0418      |  |  |
|   | <b>CS-05 PTFE Suture (USP 3-0)</b>   |             |   |  |
|   | <ul style="list-style-type: none"> <li>Thread Size: 3/0</li> <li>Needle Spec: 16mm, 3/8 Circle precision reverse cutting</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul>  | CS0518      |   |  |
|   | <b>CS-06 Perio PTFE Suture (USP 4-0)</b>   |             |   |  |
|   | <ul style="list-style-type: none"> <li>Thread Size: 4/0</li> <li>Needle Spec: 13mm, 3/8 Circle taper point (non-cutting)</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul>  | CS0618PERIO |   |  |
|   | <b>CS-06 Premium PTFE Suture (USP 4-0)</b>   |             |   |  |
| <ul style="list-style-type: none"> <li>Thread Size: 4/0</li> <li>Needle Spec: 13mm, 3/8 Circle precision reverse cutting</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul>   | CS0618PREM   |             |   |  |
| <b>CS-06 RC PTFE Suture (USP 4-0)</b>   |  |             |   |  |
| <ul style="list-style-type: none"> <li>Thread Size: 4/0</li> <li>Needle Spec: 16mm, 3/8 Circle precision reverse cutting</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: White</li> <li>Packing: 12 EA/Box</li> </ul>   | CS0618RC   |             |   |  |


# Suture Absorbable

| UNIFY®- PDO Surgical Sutures   |  |           |   |
|--|--|-----------|---|
| Description  | Thread Size: 2/0   | Item code | Image   |
| <ul style="list-style-type: none"> <li>High tensile strength</li> <li>Extended holding strength, maintains tensile strength for up to six weeks</li> <li>Lower tissue reaction than chromic gut sutures with no risk of toxicity</li> <li>Eliminates bacterial migration along suture line</li> <li>Ultra sharp needle point for atraumatic tissue penetration</li> <li>Needle coated with silicone for smooth tissue passage</li> <li>Predictable absorption profile</li> <li>Thread type: Monofilament</li> <li>Color: Violet</li> <li>Strength duration: 55-65 days</li> <li>Absorb duration: 180-200 days</li> </ul> | <ul style="list-style-type: none"> <li>Needle Spec: - 24mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-1/C-14/C7</li> <li>Thread Length: 30 in (75cm)</li> <li>Packing: 12 EA/Box</li> </ul>   | L-D230R24 |  |
|  | Thread Size: 3/0   |           |   |
|  | <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Packing: 12 EA/Box</li> </ul> | M-D318R19 |   |
|  | Thread Size: 4/0   |           |   |
|  | <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Packing: 12 EA/Box</li> </ul> | M-D418R19 |   |
| Thread Size: 5/0   |  |           |   |
| <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Packing: 12 EA/Box</li> </ul>   | M-D518R19  |           |   |


| UNIFY®- PGCL Surgical Sutures  |   |           |   |
|--|---|-----------|---|
| Description  | Thread Size: 2/0  | Item code | Image   |
| <ul style="list-style-type: none"> <li>Very high tensile strength initially</li> <li>High in vivo strength retention</li> <li>Excellent handling properties and high pliability</li> <li>Very low incidence of infection and trauma</li> <li>Ultra-sharp needle point for atraumatic tissue penetration</li> <li>Needle coated with silicone for smooth tissue passage</li> <li>Predictable absorption profile</li> <li>Thread type: Monofilament</li> <li>Color: Undyed, Violet</li> <li>Strength duration: 14-21 days</li> <li>Absorb duration: 90-120 days</li> </ul> | <ul style="list-style-type: none"> <li>Needle Spec: - 24mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-1/C-14/C7</li> <li>Thread Length: 30 in (75cm)</li> <li>Color: Undyed</li> <li>Packing: 12 EA/Box</li> </ul>   | L-Q230R24 |  |
|  | Thread Size: 3/0  |           |   |
|  | <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Undyed</li> <li>Packing: 12 EA/Box</li> </ul> | M-Q318R19 |   |
|  | Thread Size: 4/0  |           |   |
|  | <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Undyed</li> <li>Packing: 12 EA/Box</li> </ul> | M-Q418R19 |   |
| Thread Size: 5/0   |   |           |   |
| <ul style="list-style-type: none"> <li>Needle Spec: - 19 mm, Circle Reverse Cutting</li> <li>Comparable Needles: FS-2/C-13/C6</li> <li>Thread Length: 18 in (45 cm)</li> <li>Color: Violet</li> <li>Packing: 12 EA/Box</li> </ul>  | M-Q518R19   |           |   |

# Suture Absorbable











| UNIFY®- Nylon Surgical Sutures   |   |            |   |
|--|---|------------|---|
| Description  | Thread Size: 6/0  | Item code  | Image   |
| <ul style="list-style-type: none"> <li>• Our highest performing suture needles for the most demanding surgical procedures</li> <li>• Needle maintains shape and sharpness 3X longer than regular needles</li> <li>• Ultra sharp Precision Point needles provide clean penetration with minimal drag for delicate procedures</li> <li>• MULTICUT™ needle technology to ensure excellent tissue penetration and control, cut after cut</li> <li>• Needles crafted from UNIALLOY™ - a reinforced AISI 300 series stainless steel that provides the highest ductility and bending strength</li> <li>• Minimal tissue reaction</li> <li>• Smooth flow through tissue while maintaining optimal knot security</li> <li>• Thread type: Monofilament</li> <li>• Color: Black or Clear (undyed)</li> <li>• Strength duration: 2 Year</li> <li>• Absorb duration: N/A</li> </ul> | <ul style="list-style-type: none"> <li>• Needle Spec:               <ul style="list-style-type: none"> <li>- 13mm, Circle Reverse Cutting</li> </ul> </li> <li>• Comparable Needles: P-3/P-13/C3</li> <li>• Thread Length: 18" (45 cm)</li> <li>• Color: Black</li> <li>• Packing: 12 EA/Box</li> </ul>   | S-N618R13  |  |
|  | <p style="text-align: center;"><b>Thread Size: 4/0</b></p> <ul style="list-style-type: none"> <li>• Needle Spec:               <ul style="list-style-type: none"> <li>- 19 mm, Reverse Cutting</li> </ul> </li> <li>• Compatible Needles: PS-2/P-12/PC31</li> <li>• Thread Length: 18" (45 cm)</li> <li>• Color: Brown</li> <li>• Packing: 12 EA/Box</li> </ul> | PMC-318R19 |   |

| UNIFY®- Premium Chromic Gut Sutures   |  |            |   |  |
|---|--|------------|---|--|
| Description   | Thread Size: 3/0   | Item code  | Image   |  |
| <ul style="list-style-type: none"> <li>• Needle maintains shape and sharpness up to 3X longer</li> <li>• Ultra-sharp Precision Point design for clean penetration with minimal drag</li> <li>• MULTICUT™ technology for excellent tissue penetration and control</li> <li>• UNIALLOY™ stainless steel for superior ductility and bending strength</li> <li>• Chromic coating extends suture integrity and reduces tissue reactivity</li> <li>• High-quality collagen minimizes fraying</li> <li>• Retains tensile strength for 10–14 days</li> <li>• Easy, secure knot tying</li> <li>• Predictable absorption profile</li> <li>• Thread type: Monofilament</li> <li>• Strength duration: 10–14 days</li> <li>• Absorption: 56–72 days</li> </ul> | <ul style="list-style-type: none"> <li>• Needle Spec:               <ul style="list-style-type: none"> <li>- 19 mm, Reverse Cutting</li> </ul> </li> <li>• Compatible Needles: PS-2/P-12/PC31</li> <li>• Thread Length: 18" (45 cm)</li> <li>• Color: Brown</li> <li>• Packing: 12 EA/Box</li> </ul> | PMC-318R19 |  |  |
|   | <p style="text-align: center;"><b>Thread Size: 4/0</b></p>   |            |   |  |
|   | <ul style="list-style-type: none"> <li>• Needle Spec:               <ul style="list-style-type: none"> <li>- 19 mm, Reverse Cutting</li> </ul> </li> <li>• Compatible Needles: PS-2/P-12/PC31</li> <li>• Thread Length: 18" (45 cm)</li> <li>• Color: Brown</li> <li>• Packing: 12 EA/Box</li> </ul> | PMC-418R19 |   |  |


# Suture Absorbable

| PGA Resorba  |  |           |   |  |
|--|--|-----------|---|--|
| Description  | DSM18 Thread Size: 4/0   | Item code | Image   |  |
| <ul style="list-style-type: none"> <li>• PGA (polyglycolic acid)</li> <li>• Special resorbable coating reduces soft tissue drag</li> <li>• Maintains 50% tensile strength for up to 21 days</li> <li>• 300 series stainless steel needles</li> <li>• Suture Length: 45 cm</li> <li>• Packing: 12 EA/Box</li> </ul> | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul>      | OD03202   |  |  |
|  | <b>HRT18 Thread Size: 4/0</b>  |           |   |  |
|  | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 1/2 Circle Round-Bodied Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul> | OD03100   |   |  |
|  | <b>DS18 Thread Size: 5/0</b>   |           |   |  |
|  | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul>      | OD03400   |   |  |
| <b>HRT17 Thread Size: 5/0</b>  |  |           |   |  |
| <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 17mm, 1/2 Circle Round-Bodied Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul>                             | OD03500  |           |   |  |



## NEEDLE CODE DETAIL

|            |                                     |   |   |
|------------|-------------------------------------|---|---|
| <b>DSM</b> | 3/8 CIRCLE PREMIUM REVERSE CUTTING  |  |  |
| <b>DS</b>  | 3/8 CIRCLE STANDARD REVERSE CUTTING |  |  |
| <b>HRT</b> | 1/2 CIRCLE ROUND-BODIED CUTTING     |  |  |
| <b>HR</b>  | 1/2 CIRCLE ROUND-BODIED             |  |  |
| <b>HSM</b> | 1/2 CIRCLE PREMIUM REVERSE CUTTING  |  |  |

# Suture Absorbable

| Glycolon Resorba  |   |           |   |  |
|---|---|-----------|---|--|
| Description   | DSM18 Thread Size: 4/0  | Item code | Image   |  |
| <ul style="list-style-type: none"> <li>• PGA - PCL copolymer (polyglycolic acid and polycaprolactone)</li> <li>• Monofilament construction prevents bacterial wicking into surgical sites</li> <li>• Maintains 50% tensile strength for 11 - 13 days</li> <li>• 300 series stainless steel needles</li> <li>• Suture Length: 45 cm</li> <li>• Packing: 12 EA/Box</li> </ul> | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul> | OD01203   |  |  |
|   | <b>DSM13 Thread Size: 5/0</b>   |           |   |  |
|   | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul> | OD01210   |   |  |
|   | <b>DSM16 Thread Size: 5/0</b>   |           |   |  |
|   | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 16mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul> | OD01214   |   |  |
|   | <b>DSM18 Thread Size: 5/0</b>   |           |   |  |
|   | <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 18mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul> | OD01212   |   |  |
| <b>DSM13 Thread Size: 6/0</b>   |   |           |   |  |
| <ul style="list-style-type: none"> <li>• Needle Spec:                             <ul style="list-style-type: none"> <li>- 13mm, 3/8 Circle Reverse Cutting</li> </ul> </li> <li>• Thread Length: 18 in (45 cm)</li> <li>• Color: Violet</li> <li>• Packing: 12 EA/Box</li> </ul>   | OD01213   |           |   |  |

## NEEDLE CODE DETAIL

|            |                                     |   |   |
|------------|-------------------------------------|---|---|
| <b>DSM</b> | 3/8 CIRCLE PREMIUM REVERSE CUTTING  |  |  |
| <b>DS</b>  | 3/8 CIRCLE STANDARD REVERSE CUTTING |   |   |
| <b>HRT</b> | 1/2 CIRCLE ROUND-BODIED CUTTING     |   |   |
| <b>HR</b>  | 1/2 CIRCLE ROUND-BODIED             |   |   |
| <b>HSM</b> | 1/2 CIRCLE PREMIUM REVERSE CUTTING  |   |   |

**HIOSSEN**  
IMPLANT

# DENTAL EQUIPMENT

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# K5 Dental Unit Chair

## K5 Dental Unit Chair

### Description

- Patient Chair - High performance electric motor with noise filter
- Cuspidor Unit - Water and air delivery and intake & outtake unit connection to junction box with 90° rotatable spittoon
- Doctor Table/Delivery System
  - Holds various handpieces and master control unit with LCD display
- Assistant Delivery System - Controls the chair's movement/Holds instruments
- LED Dental Light - Touchless on/off sensor
- Improved Dr. Stool design - Allows for better customization of lumbar support
- Wireless Foot Control - Controls chair positioning and handpieces
- Warm water supply
- Wide range of color options to match any clinic's interior settings

※ 7 Year Limited Warranty, please refer to the full warranty statement



Brown

Dark Blue

Dark Violet

Classic Blue

Gold

Orange

Royal Red

Light Green

Ivory

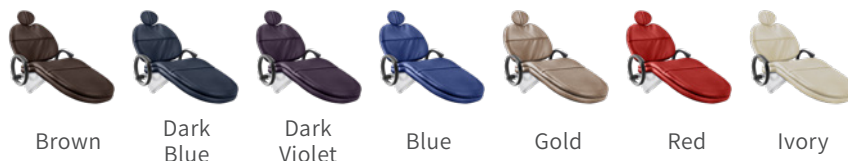
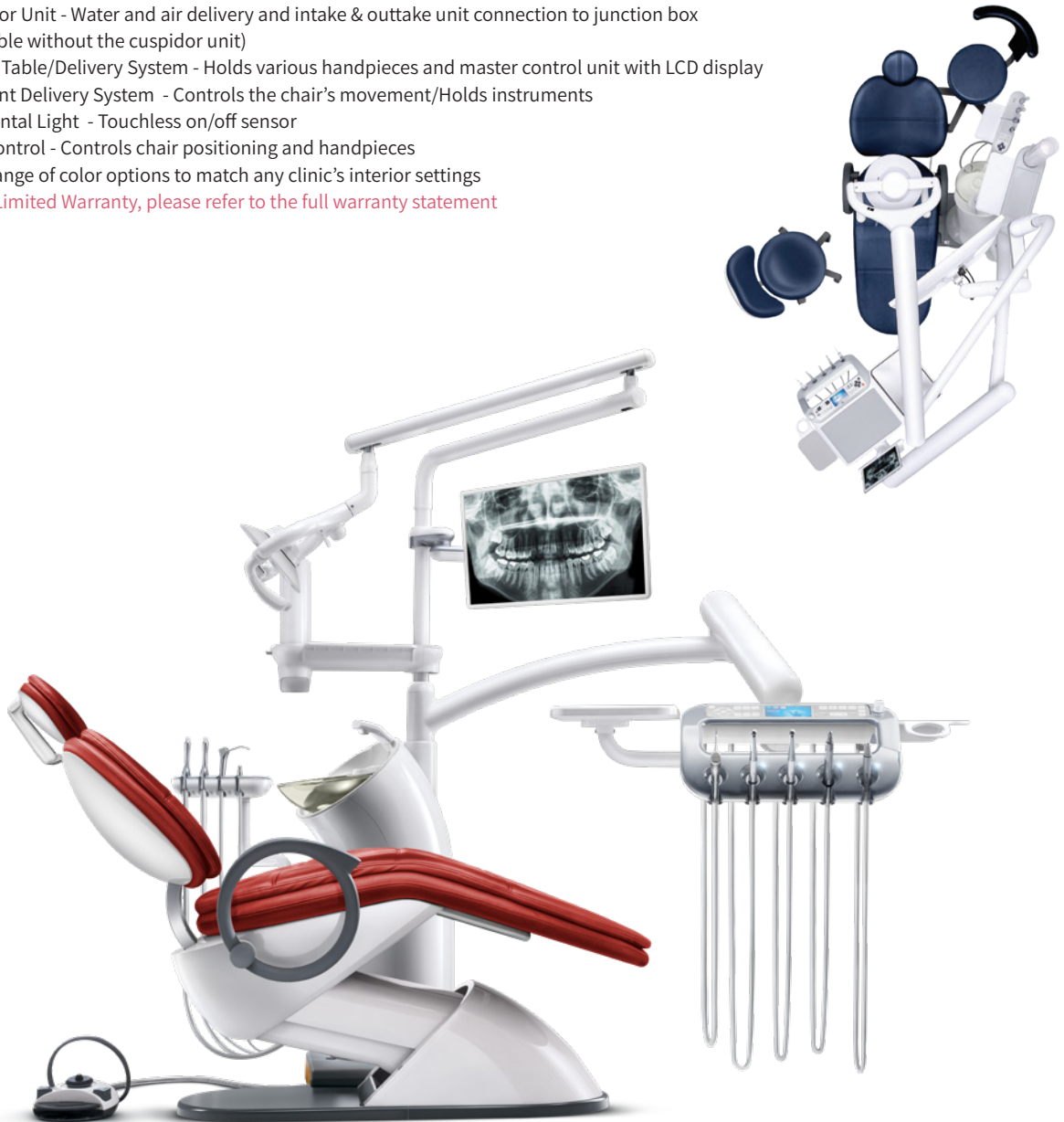
# K3™ Dental Unit Chair

## K3™ Dental Unit Chair




### Description




- Patient Chair - High performance hydraulic motor with noise filter
- Cuspidor Unit - Water and air delivery and intake & outtake unit connection to junction box (Available without the cuspidor unit)
- Doctor Table/Delivery System - Holds various handpieces and master control unit with LCD display
- Assistant Delivery System - Controls the chair's movement/Holds instruments
- LED Dental Light - Touchless on/off sensor
- Foot Control - Controls chair positioning and handpieces
- Wide range of color options to match any clinic's interior settings

※ 7 Year Limited Warranty, please refer to the full warranty statement








# Dental Handpieces

| NSK - Air Handpieces  |  |
|---|--|
| Description   | Image / Item code  |
| <p><b>Standard Head</b></p> <ul style="list-style-type: none"> <li>Bur diameter: Ø 1.6 mm friction-grip (FG) burs</li> <li>Power: 26 W output</li> <li>Quattro Spray (4-port water spray) for effective bur cooling</li> <li>Cellular glass fiber-optic illumination</li> <li>Ceramic bearings and Clean Head anti-retraction system for durability and contamination control</li> </ul>                            |  <p>H311L</p> |
| <p><b>Mini Head</b></p> <ul style="list-style-type: none"> <li>Bur diameter: Ø 1.6 mm friction-grip (FG) burs</li> <li>Power: 23 W output</li> <li>Head size: Ø10.6 × H12.4 mm</li> <li>Quattro Spray (4-port water spray) for efficient cooling</li> <li>Cellular glass fiber-optic illumination</li> <li>Ceramic bearings and Clean Head System for longer service life and reduced contamination risk</li> </ul> |  <p>H511L</p>  |
| <p><b>Coupling</b></p>  |  <p>CL</p>   |


| NSK - Electric Handpieces   |  |
|---|--|
| Description   | Image / Item code  |
| <p><b>Electric Slow-Speed Contra-Angle</b></p> <ul style="list-style-type: none"> <li>1:1 direct drive transmission</li> <li>Bur diameter: Ø 2.35 mm latch-type (RA / CA burs)</li> <li>Single water spray cooling system</li> <li>Cellular glass fiber optics for illumination</li> </ul>                    |  <p>E200IL</p> |
| <p><b>Electric High-Speed Contra-Angle</b></p> <ul style="list-style-type: none"> <li>1:5 speed-increasing gear ratio</li> <li>Bur diameter: Ø 1.6 mm friction-grip (FG burs)</li> <li>Quattro spray cooling system for improved bur cooling</li> <li>Cellular glass fiber optics for illumination</li> </ul> |  <p>E205IL</p> |
| <p><b>Electric Slow-Speed Straight</b></p> <ul style="list-style-type: none"> <li>1:1 direct drive straight attachment</li> <li>Bur diameter: Ø 2.35 mm straight (HP burs)</li> <li>Single spray cooling system</li> <li>Stainless-steel body for durability</li> </ul>                                       |  <p>E400I</p> |

# Dental Handpieces

| Bien Air - Air Handpieces   |   |
|---|---|
| Description   | Image / Item code   |
| <p><b>Standard Head</b></p> <ul style="list-style-type: none"> <li>Up to 380,000 RPM with 20 W power for efficient cutting performance</li> <li>Integrated LED illumination for improved visibility in the treatment area</li> <li>4-port spray system provides optimal cooling and debris removal</li> <li>Push-button bur change system for quick and safe bur replacement</li> <li>Anti-retraction system helps reduce cross-contamination risk</li> </ul> |  <p>1601153BAA</p>  |
| <p><b>Coupling</b></p>  |  <p>1600902BAA</p> |

| Bien Air - Electric Handpieces   |   |
|--|---|
| Description  | Image / Item code   |
| <p><b>Electric Slow-Speed Contra-Angle</b></p> <ul style="list-style-type: none"> <li>1:1 transmission ratio</li> <li>Bur diameter: Ø 2.35 mm latch-type (RA) burs</li> <li>Maximum speed up to 40,000 RPM depending on motor</li> <li>Fiber-optic illumination</li> </ul>                                       |  <p>1600384BAA</p> |
| <p><b>Electric High-Speed Contra-Angle</b></p> <ul style="list-style-type: none"> <li>1:5 speed-increasing gear ratio</li> <li>Up to ~200,000 RPM with a 40k electric motor</li> <li>Bur diameter: Ø 1.6 mm friction-grip (FG) burs</li> <li>Internal spray cooling</li> <li>Fiber-optic illumination</li> </ul> |  <p>1600386BAA</p> |
| <p><b>Electric Slow-Speed Straight</b></p> <ul style="list-style-type: none"> <li>1:1 transmission ratio for surgical, lab, and implant procedures</li> <li>Bur diameter: Ø 2.35 mm straight handpiece burs (HP)</li> <li>Locking ring bur retention system</li> <li>Internal irrigation</li> </ul>              |  <p>1600383BAA</p>  |

# Dental Handpieces

| Dmetec Scaler  |  |
|--|--|
| Description  | Image / Item code  |
| <ul style="list-style-type: none"><li>• Premium Quality - Made in South Korea.</li><li>• Automatic feedback system for built-in circuit module keeps constant strong power</li><li>• Regulator controls output power moderately in different quantity of tartar</li><li>• Circuit module to enhance accuracy</li></ul> |  <p>COMPACT-HP</p> |

# T2 Plus CBCT

## T2 Plus Dental CBCT

### Description

- Faster scan time, higher resolution and AI-powered 3D diagnostics
  - 2 in 1 system: CT + Pano / 3 in 1 system: CT + Pano + Cephalo
  - Multiple FOV for a Wide Range of Applications:
    - \* 5x5, 8x9, 10x9, 12x9, 15x9 (Standard) & 15x15 (Stitching)
  - High Resolution Voxel Size to Provide Clear Images
  - Simplified TMJ Imaging
  - User-Friendly Operation
  - Automated voice guidance to reduce re-imaging
  - Improved radiolucent temple support for stable patient positioning
- ※ 5 Year Full Warranty, please refer to the full warranty statement
- ※ Up to 10 Year Extended Warranty is available for purchase





# TRIOS® 6 Intraoral Scanner

| TRIOS® 6 Wireless Pod  |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>• Up to 110% higher scan resolution</li> <li>• Wireless comfort</li> <li>• Improved battery life</li> <li>• Hyper-spectral imaging</li> </ul> <p>※ Engagement apps included</p> |  |
| 22003200   |  |


## Accessories

| TRIOS® 6 Protection Tip   |
|---|
| Image   |
|  |
| 22002382  |

| TRIOS® 6 Battery Charger  |
|---|
| Image   |
|  |
| 22002384  |


| TRIOS® 6 Battery (3)  |
|---|
| Image   |
|  |
| 22002385  |

| TRIOS® 6 Tip (3)  |
|---|
| Image   |
|  |
| 22002381  |

| TRIOS® 6 Ready Tips (25)  |
|---|
| Image   |
|  |
| 10036057  |


| TRIOS® 6 Sleeves (100)  |
|---|
| Image   |
|  |
| 22002380  |

# TRIOS® 5 Intraoral Scanner

| TRIOS® 5  |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• FDA Approved Caries Detection Aid</li> <li>• Next-level ergonomics</li> <li>• TriosShare</li> <li>• ScanAssist</li> <li>• Remote Control Mouse Mode</li> <li>• Improved battery life</li> <li>• LED and Haptic feedback</li> <li>※ Engagement apps included</li> </ul> |  |
| 22004025  |  |

## Accessories

| TRIOS® 5 Protection Tip   |
|---|
| Image   |
|  |
| 22002382  |

| TRIOS® 5 Battery Charger  |
|---|
| Image   |
|  |
| 22002384  |

| TRIOS® 5 Battery (3)  |
|---|
| Image   |
|  |
| 22002385  |

| TRIOS® 5 Tip (3)  |
|---|
| Image   |
|  |
| 22002381  |

| TRIOS® 5 Ready Tips (25)  |
|---|
| Image   |
|  |
| 10036057  |


| TRIOS® 5 Sleeves (100)  |
|---|
| Image   |
|  |
| 22002380  |

# TRIOS® 3 Intraoral Scanner

| TRIOS® 3 (2024)   |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Award-winning TRIOS 3 technology</li> <li>• Wired Only</li> <li>• Reversible tips</li> </ul> <p>※ Engagement apps included</p> |  |
| 22004000  |  |


## Accessories


| TRIOS® 3 Protection Tip   |
|---|
| Image   |
|  |
| 82610032  |

| TRIOS® 3 Calibration Tip  |
|---|
| Image   |
|  |
| 82610052  |

| TRIOS® 3 Calibration Kit  |
|---|
| Image   |
|  |
| 22002384  |

# TRIOS® Move+

| TRIOS® MOVE PRO   |   |
|---|---|
| Description   | Image   |
| <ul style="list-style-type: none"> <li>• 18.5" full HD touchscreen and upgraded PC specifications</li> <li>• Optimized for TRIOS 5 and TRIOS 6</li> <li>• New detachable and height-adjustable storage tray for scanner accessories</li> <li>• Fully adjustable swivel arm</li> <li>• Cable hook for easier moveability, keeping cables neatly secured and tangle-free</li> </ul> |  |
| 22003210  |   |

| TRIOS® MOVE+ (Standalone Accessory)  |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>• Navigate directly on the LCD touch screen: 15.6" (MOVE+): USB 2.0 port for import and export of your scans</li> <li>• Maneuver the arm and swivel screen</li> <li>• Comes with a powerful PC</li> <li>• Designed for fast and smooth scanning with TRIOS</li> <li>• Unrivaled open system</li> <li>• Secure access to the most up-to-date technology, materials, partners and prices</li> </ul> |  |
| 22002375   |  |

# MEDIT Intraoral Scanner

| MEDIT i900 Mobility   |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Light: 242g</li> <li>• 3rd-gen optical engine with 10-bit color depth and 3D-in-motion video technology</li> <li>• 1-hour continuous scanning</li> <li>• Field of View (FOV): 18X15mm</li> <li>• Two programmable buttons with touch-control functionality (pan, zoom, rotate)</li> <li>• Wi-Fi 6E (6GHz) direct connection to iPad or laptop</li> </ul> |  |
| MO3-I900M(NA)   |  |


| MEDIT i900 Classic  |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Ultra light: 165g</li> <li>• Intuitive click-to-scan, button interface</li> <li>• AI-powered scanning</li> <li>• Free applications</li> <li>• No Subscriptions</li> <li>• 3 year warranty</li> </ul> |  |
| MO4-I900C   |  |


| MEDIT i700 Wired   |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>• 180 Degree reversible tip</li> <li>• Free applications</li> <li>• No subscription</li> <li>• Remote Control Mode</li> <li>• UV-C Disinfection</li> <li>• Light scanner for comfort: 245g</li> </ul> |  |
| MD-IS0200  |  |


# MEDIT Intraoral Scanner

| MEDIT i600   |   |
|--|---|
| Description  | Image   |
| <ul style="list-style-type: none"><li>• 180 Degree reversible tip</li><li>• Free applications</li><li>• No subscriptions</li><li>• Light scanner for comfort: 245g</li></ul> |  A blue and white handheld intraoral scanner with a white tip and a white base. The device is shown from a side profile, resting on a white cylindrical stand. A white cable is attached to the back of the handle. |
| MD-IS0100  |   |

# SM7 Implant Engine

| SM7 Unit  |   |
|---|---|
| Description   | Image   |
| <ul style="list-style-type: none"> <li>• High Precision Calibration</li> <li>• Offers Advanced Technology</li> <li>• Compact Body and Large LCD Display</li> <li>• LED Optics for Safe, More Accurate Treatment</li> <li>• Well-Balanced, compact and light weight micro-motor</li> </ul> |  <p>The image shows the OSSTEM SM7 SL Implant Engine unit, a compact white device with a large black LCD display showing '800' and '20'. It features several control buttons and a power switch. Above the unit is the SM7 SL hand piece, which is a long, thin, silver-colored instrument with a black grip and a small nozzle at the end.</p> |
| SM3US1  |   |


| SM7 Contra-Angle Hand Piece   |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Product Name: SM7 Contra-angle Hand Piece</li> <li>• Body Material: Titanium</li> <li>• Transmission: Gear Ratio 20:1 Reduction</li> <li>• Maximum Speed: 2,000 min-1</li> <li>• Maximum Torque: 80 Ncm</li> </ul> |  <p>The image shows the OSSTEM S200EL Contra-Angle Hand Piece, a long, silver-colored instrument with a black grip and a small nozzle at the end. It features a '20:1' gear ratio label and the OSSTEM logo.</p> |
| S200EL  |  |

| Irrigation Tube   |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• SM7 Irrigation Tube (10 packs) - Disposable</li> </ul> |  <p>The image shows the OSSTEM Y900114 Irrigation Tube, a clear plastic tube with a white nozzle at one end and a coiled section at the other. It is designed for irrigation during dental procedures.</p> |
| Y900114   |  |

# SM5 Implant Engine

| SM5 Unit   |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>• Intelligent Power and Precise Torque</li> <li>• One Touch Auto-Calibration</li> <li>• Simple User Friendly Operation</li> <li>• Enhanced workflow through easy programming</li> </ul> |  <p>The image shows the SM5 Unit control console, a white and black device with a color LCD screen displaying '500', '10.00', and '20:1'. It features several control buttons and a handpiece connected by a white cable. The handpiece is silver and black with 'SM5' and 'K16' markings.</p> |
| SM5US1   |  |

| Hand Piece SURGmatic S201L (Optic)  |   |
|---|---|
| Description   | Image   |
| <ul style="list-style-type: none"> <li>• Product Name : S201L</li> <li>• Reduction ratio 20:1</li> <li>• Removable head, easy to clean</li> <li>• Small head with internal cooling system</li> <li>• Speed: 15 – 2,000 rpm</li> <li>• Maximum torque: 55 Ncm</li> </ul> |  <p>The image shows the SURGmatic S201L Hand Piece, a long, curved, silver and black instrument. It has a small green light on the handle and 'K16 SURGmatic S201 L' printed on the side.</p> |
| 1.012.1870  |   |

| Irrigation Tube   |   |
|---|---|
| Description   | Image   |
| <ul style="list-style-type: none"> <li>• Tube Set Sterile S600 (10EA) - Disposable</li> </ul> |  <p>The image shows the Irrigation Tube Set, a clear plastic tube with a blue handle and a blue connector. It is coiled and has a blue clip attached to it.</p> |
| 1.009.8757  |   |


# Intraoral Sensor

| S2  |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Premium Intraoral Sensor</li> <li>• Clear images with 25lp/mm resolution</li> <li>• Durable for up to 100,000 exposures</li> <li>• Offer 41 different image presets</li> <li>• Recommends optimal exposure time for each X-ray device</li> <li>• Size:               <ul style="list-style-type: none"> <li>- S2_1: Pediatrics</li> <li>- S2_2: Adult</li> </ul> </li> </ul> | <p>The image shows two views of the S2 Intraoral Sensor. On the left is the S2_1 model, which is a smaller, rounded black device with a dome-shaped sensor head. On the right is the S2_2 model, which is a larger, rectangular black device with a flat sensor head. Both devices have a thin black cable extending from the bottom. The S2_2 model has 'OSSTEM' written vertically on the left side and 'S2' in large white letters on the right side.</p> |
|   | <div style="display: flex; justify-content: space-around;"> <span>S2_1</span> <span>S2_2</span> </div>   |


# Intraoral Camera

| SNAP   |  |
|--|--|
| Description  | Image  |
| <ul style="list-style-type: none"> <li>• Autofocus provides clear and vivid images with less distortion</li> <li>• Slim head design enables accessibility to wisdom teeth with ease</li> <li>• 160 degree contra angle provides ease of use</li> <li>• Two-way shooting buttons allows for comfortable handling of the device</li> </ul> | <p>The image shows the SNAP Intraoral Camera, a sleek, handheld device with a white body and black accents. It has a thin, curved head with a lens at the tip. The device is shown at an angle, highlighting its ergonomic design.</p> |
| SNAP004  |  |


# Orthodontic/Prosthetic

| E-Driver  |   |
|---|---|
| Description   | Image   |
| <ul style="list-style-type: none"> <li>• Strong and accurate application of torque (Range: 5~35Ncm)</li> <li>• Adjustable drilling speed (Range: 15~60rpm)</li> <li>• Minimizes OrthAnchor fractures and ensures accurate placement path</li> <li>• Ease of abutment tightening and minimizing the chance of screw loosening</li> </ul> |  |
| OSM-TORQ  |   |

# Endodontics


| UC Cutter  |   |
|--|---|
| Description  | Image   |
| <ul style="list-style-type: none"> <li>• Trim and remove excessive tissue</li> <li>• Seal blood vessels to facilitate clot formation</li> <li>• Eliminate pathogens and bacteria</li> <li>• Sterilizes the treatment area for optimal hygiene</li> </ul> |  |
| EP1017   |   |

# ISQ Stability Tester


| IS4™  |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Precision Resonance Frequency Analysis (RFA)</li> <li>• Assess implant stability with the Implant Stability Quotient (ISQ)</li> <li>• Enhance implant success through accurate diagnostics</li> <li>• Achieve high-accuracy measurements for reliable results</li> <li>• Optimize loading protocols with precise data</li> <li>• User-Friendly design with single key operation</li> </ul> |  |
| 55250-HM  |  |


| Main Adapter  |
|---|
| Image   |
|  |
| 55263   |

| Adapter  |
|--|
| Image / Item code  |
|  |
| 55267  |


| IS4™ Charging Station   |
|---|
| Image   |
|  |
| 55245   |

| IS4™ Battery Replacement Kit   |
|--|
| Image  |
|  |
| 55291  |

| MulTipeg™ Driver  |
|---|
| Image / Item code   |
|  |
| 55245   |


| MulTipeg™  |   |
|--|---|
| Description  | Image   |
| <ul style="list-style-type: none"> <li>• Up to 20 times without any deviation</li> <li>• Reusable, auto-clavable, calibrated, and compatible with all major implant systems</li> <li>• Optical Platform Fit</li> </ul> |  |
| *Page 300 - 303  |   |


# ISQ Stability Tester

| IS3™  |  |
|---|--|
| Description   | Image  |
| <ul style="list-style-type: none"> <li>• Resonance Frequency Analysis (RFA)</li> <li>• Implant Stability Quotient (ISQ)</li> <li>• Raise the implant success rate with accurate diagnosis</li> <li>• High accuracy measurement result</li> <li>• Determines optical loading protocol</li> <li>• Hand held instrument with single key operation</li> </ul> |  |
| 55002-HM  |  |

| Main Adapter  |
|---|
| Image / Item code   |
|  |
| 55093   |

| Adapter  |
|--|
| Image / Item code  |
|  |
| 55097  |

| MulTipeg™ Driver  |
|---|
| Image / Item code   |
|  |
| 55003   |

| MulTipeg™  |   |
|--|---|
| Description  | Image   |
| <ul style="list-style-type: none"> <li>• Up to 20 times without any deviation</li> <li>• Reusable, auto-clavable, calibrated, and compatible with all major implant systems</li> <li>• Optical Platform Fit</li> </ul> |  |
| *Page 300 - 303  |   |

# MulTipeg™ Assortment

|                                    | No    | Type |  | No    | Type |                             | No    | Type |
|------------------------------------|-------|------|--|-------|------|-----------------------------|-------|------|
| <b>AB Dental</b>                   |       |      | <b>Bio3</b>                              |       |      | <b>Dentalis</b>             |       |      |
| Narrow Platform                    | 55021 | 11   | Advanced                                 | 55067 | 59   | Regular                     | 55051 | 43   |
| Standard Platform                  | 55049 | 41   | Progressive                              | 55067 | 59   |                             |       |      |
|                                    |       |      | BioHorizons                              |       |      | <b>Dental Ratio</b>         |       |      |
| <b>ADIN</b>                        |       |      | Laser-Lok 3.0 Grey                       | 55034 | 26   | Tissue Level RP, WP         | 55014 | 4    |
| Touareg S/OS                       | 55034 | 26   | Internal Laser-Lok 3.5 Yellow            | 55049 | 41   | Bone Level NC               | 55061 | 53   |
| Touareg Closefit UNP 2.75          | 55059 | 51   | Internal Laser-Lok 4.5 Green             | 55051 | 43   | Bone Level RC               | 55062 | 54   |
| Touareg Closefit NP 3.0            | 55059 | 51   | Internal Laser-Lok 5.7 Blue              | 55051 | 43   |                             |       |      |
| Touareg Closefit RP 3.5            | 55046 | 38   | External 4.0 Platform                    | 55011 | 1    | <b>Dental Tech</b>          |       |      |
| Touareg CloseFit WP 4.3, 5.0       | 55067 | 59   |  |       |      | Implassic FT3 3.25          | 55039 | 31   |
| Swell 3.3                          | 55034 | 26   | <b>Biomet/3i</b>                         |       |      | Implassic FT3 3.75          | 55049 | 41   |
|                                    |       |      | External Hex                             | 55011 | 1    |                             |       |      |
| <b>AIRES</b>                       |       |      | Certain Internal Purple                  | 55036 | 28   | <b>Dentegris</b>            |       |      |
| 3.3                                | 55049 | 41   | Certain Internal Purple Platform 3.4     | 55036 | 28   | 3.3                         | 55034 | 26   |
|                                    |       |      | Certain Internal Blue, Yellow, Green     | 55066 | 58   | 3.75                        | 55057 | 49   |
| <b>Alpha-Bio</b>                   |       |      | T3 Purple                                | 55036 | 28   | 4.5                         | 55049 | 41   |
| Internal Hex                       | 55034 | 26   | T3 Blue, Yellow, Green                   | 55066 | 58   | 3.8/4.5                     | 55049 | 41   |
| Conical Hex 3.2                    | 55065 | 57   |  |       | 5.5  | 55020                       | 10    |      |
| Conical Hex 3.75-5.0               | 55051 | 43   | <b>Bionnovation</b>                      |       |      | <b>Dentis</b>               |       |      |
|                                    |       |      | Biomorse                                 | 55023 | 14   | Cleanlant S-Clean 3.7 - 4.8 | 55020 | 10   |
| <b>Alfa Gate</b>                   |       |      |  |       |      | S-Clean OneQ Narrow 3.3     | 55064 | 56   |
| Bioactive, All diam                | 55034 | 26   | <b>Biotech Dental</b>                    |       |      |                             |       |      |
| MAX, All diam                      | 55034 | 26   | Kontakt, Kontakt-S 3.6 - 4.8             | 55045 | 37   | <b>Dentium</b>              |       |      |
| M+ NP 3.5                          | 55044 | 36   |  |       |      | Superline                   | 55037 | 29   |
| M+ RP 4.3 - 5.0                    | 55037 | 29   | <b>BlueSkyBio</b>                        |       |      | NR Line                     | 55066 | 58   |
| Porous, All diam                   | 55034 | 26   | BIO Max NP Platform, All                 | 55046 | 38   | Simple Line II GH 1,6       | 55014 | 4    |
|                                    |       |      | BIO Max RP Platform 4.3-5.0              | 55037 | 29   |                             |       |      |
| <b>Alpha Dent</b>                  |       |      | BIO Int Hex 3.5 Platform 3.7-4.1         | 55049 | 41   | <b>DEVA</b>                 |       |      |
| Active Conus                       | 55067 | 59   | BIO Int Hex 3.5 Platform 4.7             | 55051 | 43   | Bone Level 3.5              | 55064 | 56   |
| Classic Conus                      | 55067 | 59   | BIO Int Hex 4.5 Platform 4.7-7.0         | 55051 | 43   | Bone Level 4.5              | 55051 | 43   |
| Active Bio                         | 55067 | 59   | BIO One-stage Narrow, Regular, Wide      | 55014 | 4    |                             |       |      |
| Slim                               | 55039 | 31   | BIO One-stage Short Regular & Wide       | 55014 | 4    | <b>DIO</b>                  |       |      |
|                                    |       |      | BIO Quattro Narrow 3.3                   | 55061 | 53   | SM Submerged 3.8            | 55049 | 41   |
| <b>Anker</b>                       |       |      | BIO Quattro Regular 4.1 - 5.6            | 55062 | 54   | SM Submerged 5.0            | 55020 | 10   |
| SB III 3.5                         | 55023 | 14   | BIO Conus 12, 3.0 Platform 3.0           | 55064 | 56   | UF II Narrow                | 55064 | 56   |
| SB III 4.0-5.0                     | 55020 | 10   | BIO Conus 12, 3.5/4.0 Platform 3.5-4.0   | 55046 | 38   | UF II Regular               | 55020 | 10   |
|                                    |       |      | BIO Conus 12, 4.5 x 6mm                  | 55046 | 38   |                             |       |      |
| <b>Ankylos</b>                     |       |      | BIO Conus 12, 4.5/5.0 Platform 4.5 - 5.0 | 55017 | 7    | <b>Easy Implant</b>         |       |      |
| C/X                                | 55025 | 16   | BIO Conus 12, 5.0 x 6mm                  | 55046 | 38   | Ocean                       | 55046 | 38   |
|                                    |       |      | BIO Trilobe 3.5                          | 55016 | 6    | Lilas                       | 55037 | 29   |
| <b>Anthogyr</b>                    |       |      | BIO Trilobe 4.3-6.0                      | 55017 | 7    |                             |       |      |
| Axiom Bone Level 3.4 - 5.2         | 55065 | 57   | <b>Bredent</b>                           |       |      | <b>Edierre</b>              |       |      |
| Axiom Tri-lobe                     | 55065 | 57   | SKY                                      | 55025 | 16   | 3-lobe                      | 55021 | 11   |
| Axiom Tissue Level Narrow, Regular | 55050 | 42   | CopaSKY                                  | 55027 | 19   | 4-lobe                      | 55025 | 16   |
|                                    |       |      | Mini2SKY                                 | 55033 | 25   |                             |       |      |
| <b>Argon</b>                       |       |      | Fast & fixed Abutment                    | 55083 | 75   | <b>Euroteknika</b>          |       |      |
| K3pro Rapid 3.0 - 3.5              | 55026 | 17   |  |       |      | Internal Platform 3.0       | 55064 | 56   |
| K3pro Rapid Platf 3mm              | 55019 | 9    | <b>BTI</b>                               |       |      | Internal Platform 3.5       | 55081 | 73   |
| K3pro Rapid Platf 3mm Short        | 55044 | 36   | Interna Universal                        | 55051 | 43   | Naturactis/Naturall+ 3.0    | 55064 | 56   |
|                                    |       |      | Interna Wide                             | 55051 | 43   | Naturactis 3.5-5.0          | 55081 | 73   |
| <b>Astra Tech</b>                  |       |      |  |       |      | Uneva                       | 55011 | 1    |
| Osseospeed EV 3.0                  | 55058 | 50   | <b>BTK</b>                               |       |      | <b>Galimplant</b>           |       |      |
| Osseospeed EV 3.6                  | 55046 | 38   | External Hex EN                          | 55038 | 30   | iPx 4012                    | 55046 | 38   |
| Osseospeed EV 4.2                  | 55057 | 49   | External Hex ER                          | 55011 | 1    |                             |       |      |
| Osseospeed EV 4.8                  | 55055 | 47   | External Hex EW                          | 55011 | 1    | <b>GC Tech</b>              |       |      |
| Osseospeed EV 5.4                  | 55048 | 40   | Internal Hex IR                          | 55049 | 41   | Aadva Narrow                | 55081 | 73   |
| Osseospeed TX 3.0 S                | 55064 | 56   | Internal Hex IM                          | 55051 | 43   | Aadva Regular               | 55066 | 58   |
| Osseospeed TX 3.5-4.0 S            | 55046 | 38   | Internal Hex IW                          | 55051 | 43   |                             |       |      |
| Osseospeed TX 4.5-5.0 S            | 55017 | 7    | Hexagonal Morse Taper KR                 | 55081 | 73   | <b>Geass</b>                |       |      |
|                                    |       |      | Hexagonal Morse Taper KW                 | 55056 | 48   | Way Extra                   | 55081 | 73   |
| <b>Avinent</b>                     |       |      | Octagonal Morse Taper SR                 | 55014 | 4    |                             |       |      |
| External, Coral & Ocean 3.5        | 55038 | 30   | <b>Camlog</b>                            |       |      | <b>Global D</b>             |       |      |
| External, Coral & Ocean 4.1        | 55011 | 1    | Screw-Line, Root-Line 3.3                | 55036 | 28   | In-Kone 4.0-5.0             | 55024 | 15   |
| External, Coral 5.1                | 55013 | 3    | Screw-Line, Root-Line 3.8, 4.3           | 55031 | 23   |                             |       |      |
| Internal, Coral & Ocean 3.5, 4.1   | 55051 | 43   |  |       |      | <b>Geass</b>                |       |      |
| Conical, Ocean 3.5                 | 55066 | 58   | <b>Cowellmedi</b>                        |       |      | Way Extra                   | 55081 | 73   |
| Conical, Ocean 4.1                 | 55004 | 18   | Inno Int Octa                            | 55014 | 4    | Global D                    |       |      |
|                                    |       |      | Inno Sub Hex                             | 55037 | 29   |                             |       |      |
| <b>B&amp;B Implant</b>             |       |      | C-Tech                                   |       |      | <b>GMI</b>                  |       |      |
| Duravit Slim                       | 55021 | 11   | EL                                       | 55067 | 59   | Avantgard RP 3.75-4.25      | 55066 | 58   |
| Duravit 3P                         | 55035 | 27   |  |       |      | Avantgard WP 4.75-5.75      | 55075 | 67   |
| Duravit Evolution                  | 55035 | 27   | <b>Dentack</b>                           |       |      | Frontier RP/WP              | 55051 | 43   |
|                                    |       |      | Internal Hex                             | 55056 | 48   | Phoenix NP 3.3              | 55038 | 30   |
| <b>BEGO</b>                        |       |      |  |       |      | Phoenix Std 3.3 - Wide 5.0  | 55011 | 1    |
| Semados Mini                       | 55012 | 2    | <b>Dentalis</b>                          |       |      | Monolith 3.0                | 55043 | 35   |
| Semados S / RI 3.25-5.5            | 55034 | 26   | Regular                                  | 55051 | 43   |                             |       |      |
| Semados RS / RSX 3.0               | 55082 | 74   |  |       |      |                             |       |      |
| Semados RS / RSX 3.75-5.5          | 55034 | 26   |  |       |      |                             |       |      |
| Semados SC / SCX 3.25-5.5          | 55034 | 26   |  |       |      |                             |       |      |

# MulTipeg™ Assortment

|                                       | No    | Type |                                    | No    | Type |                                      | No    | Type |
|---------------------------------------|-------|------|------------------------------------|-------|------|--------------------------------------|-------|------|
| <b>GP Implants</b>                    |       |      | <b>Implantvision</b>               |       |      | <b>Medentis</b>                      |       |      |
| SSI Spiral Shape implant              | 55051 | 43   | Internal Hex 3.7-5.7               | 55034 | 26   | ICX Premium 3.75 - 4.8               | 55062 | 54   |
| <b>GT Medical</b>                     |       |      | <b>Innobiosurg</b>                 |       |      | ICX Plus 3.45                        | 55039 | 31   |
| HXE                                   | 55011 | 1    | MagiCore Regular                   | 55018 | 8    | ICX Narrow                           | 55058 | 50   |
| HXE RP                                | 55012 | 2    | Intoss Anchor                      |       |      | <b>Medical Instinct</b>              |       |      |
| HXE WP                                | 55013 | 3    | Internal Hex 3.7-5.7               | 55088 | 80   | Hex 3.0                              | 55071 | 63   |
| HXI 4.1                               | 55037 | 29   |                                    |       |      | Hex 3.4, 4.0, 5.0                    | 55052 | 44   |
| 002 HXI 4.7                           | 55049 | 41   | <b>Intra-lock</b>                  |       |      | Cone 3.0, 3.4, 4.0                   | 55071 | 63   |
| OCT 4.3                               | 55014 | 4    | Intrahex 3.4 - 4.5                 | 55051 | 43   | Cone 5.0                             | 55072 | 64   |
|                                       |       |      | Gold & Blue 3.4 - 6.0              | 55051 | 43   |                                      |       |      |
| <b>Hahn</b>                           |       |      | InDex 3.4 - 3.75                   | 55015 | 5    | <b>Medigma Biomedical</b>            |       |      |
| Tapered 3.0                           | 55058 | 50   | InDex 4.0 - 4.3                    | 55020 | 10   | Mars 3,5-6,0                         | 55057 | 49   |
| Tapered 3.5                           | 55046 | 38   | FlatTop 3.75                       | 55012 | 2    | FixTite 3,5-6                        | 55057 | 49   |
| Tapered 4.3                           | 55046 | 38   |                                    |       |      | Fix-a-Dent 3,75-6                    | 55057 | 49   |
| Tapered 5.0                           | 55037 | 29   | <b>IRES</b>                        |       |      |                                      |       |      |
| Tapered 7.0                           | 55048 | 40   | External Hex Narrow 3.3            | 55012 | 2    | <b>Medimecca</b>                     |       |      |
|                                       |       |      | External Hex Regular 3.7 - 5.2     | 55011 | 1    | PT SLA Chaorum                       | 55047 | 39   |
| <b>Hiossen</b>                        |       |      | Internal Hex Narrow 3.3            | 55087 | 79   |                                      |       |      |
| HS System                             | 55028 | 20   | Internal Hex Regular 3.7 - 5.2     | 55049 | 41   | <b>Megagen</b>                       |       |      |
| ET System                             | 55037 | 29   | Internal Octagon Regular 3.7 - 5.2 | 55014 | 4    | Anyridge                             | 55051 | 43   |
| ET 3.2                                | 55047 | 39   |                                    |       |      | Anyone Internal                      | 55037 | 29   |
| ET mini                               | 55015 | 5    | <b>J Dental Care</b>               |       |      | Mini                                 | 55064 | 56   |
| EK 3.2/3.5                            | 55046 | 38   | JDEvolution 3.7-6.0                | 55067 | 59   | MUA                                  | 55080 | 72   |
| EK 4.0                                | 55044 | 36   | JD Evolution S 3.25                | 55044 | 36   |                                      |       |      |
|                                       |       |      | JD ICON ultra, S 2.75              | 55064 | 56   | <b>Microdent</b>                     |       |      |
|                                       |       |      | Conical Abutment                   | 55080 | 72   | Universal                            | 55011 | 1    |
| <b>Hi-Tec</b>                         |       |      | <b>Keystone</b>                    |       |      | Microdent 2.8 - 3.25                 | 55068 | 60   |
| Tapered Self Thread NTI 3.3, SLT 3.75 | 55034 | 26   | Prima / Connex Narrow              | 55049 | 41   | Microdent 3.3 - 5.0                  | 55011 | 1    |
| Tapered Self Thread GTI 4.2, WTI 5.0  | 55051 | 43   | Prima / Connex Regular             | 55067 | 59   | Microdent 5.5 - 8.0                  | 55013 | 3    |
| Spark TPI                             | 55034 | 26   | Prima / Connex Wide                | 55041 | 33   | Genius 3.0                           | 55025 | 16   |
| Logic Plus                            | 55034 | 26   | Prima / Genesis Narrow             | 55049 | 41   | Genius 3.5 - 5.0                     | 55051 | 43   |
| Logic LGI 3.0-3.5                     | 55046 | 38   | Prima / Genesis Regular            | 55067 | 59   | Ektos 3.2                            | 55023 | 14   |
| Logic LGI 4.3-5.0                     | 55037 | 29   | Prima / Genesis Wide               | 55041 | 33   | Ektos 3.7 - 8.0                      | 55051 | 43   |
|                                       |       |      | Restore Narrow                     | 55079 | 71   | Trylogic 3.5 - 4.2                   | 55051 | 43   |
| <b>IDI Evolution</b>                  |       |      | Restore Regular                    | 55011 | 1    | Trylogic 5.0                         | 55075 | 67   |
| Standard implant 3.75-4.0             | 55004 | 18   | Restore Wide                       | 55013 | 3    |                                      |       |      |
| B1One High                            | 55080 | 72   |                                    |       |      | <b>MIS</b>                           |       |      |
| B1One Low                             | 55033 | 25   | <b>Klockner</b>                    |       |      | Conical connection Narrow (C1, V3)   | 55081 | 73   |
|                                       |       |      | VEGA Micro 3.0                     | 55074 | 66   | Conical connection Standard (C1, V3) | 55087 | 79   |
| <b>IDI Implants</b>                   |       |      | VEGA Narrow 3.5                    | 55065 | 57   | Conical connection Wide (C1)         | 55041 | 33   |
| ID Cam ST 4.2                         | 55010 | 13   | VEGA Regular 4.0, 4.5              | 55034 | 26   | Seven and M4 Narrow                  | 55027 | 19   |
| ID All                                | 55010 | 13   | KL Narrow 3.3                      | 55012 | 2    | Seven and M4 Standard                | 55049 | 41   |
| <b>IDS</b>                            |       |      | KL Regular 3.7, 4.2                | 55011 | 1    | Seven Wide 5.0                       | 55051 | 43   |
| Reflect Aspire                        | 55081 | 73   | KL Wide 4.7                        | 55013 | 3    | Connect abutment NP, SP, WP          | 55115 | 81   |
| Reflect Certus                        | 55019 | 9    | SK2                                | 55038 | 30   |                                      |       |      |
| Reflect Tapered                       | 55034 | 26   | Essential Cone                     | 55067 | 59   | <b>Neo Biotech</b>                   |       |      |
| Reflect Recover                       | 55020 | 10   | S3M 3.1                            | 55079 | 71   | IS II 4.0                            | 55020 | 10   |
| Reflect Rapid                         | 55020 | 10   |                                    |       |      | IS III 4.0                           | 55020 | 10   |
| <b>Implance</b>                       |       |      | <b>Konmet</b>                      |       |      | <b>Neodent</b>                       |       |      |
| Tissue level                          | 55014 | 4    | Classic 4.0, 4.8                   | 55014 | 4    | Drive CM                             | 55025 | 16   |
| Bone level Regular                    | 55037 | 29   | Cylindrical 3.5-4.0                | 55065 | 57   | Titamax WS Cortical                  | 55056 | 48   |
| Bone level 3.3                        | 55065 | 57   | Cylindrical 4.5-5.5                | 55057 | 49   | GM                                   | 55066 | 58   |
|                                       |       |      | Short Cylindrical 5.0-6.0          | 55078 | 70   |                                      |       |      |
| <b>Implant One</b>                    |       |      | Conical 4.4/3.4                    | 55065 | 57   | <b>Neodent</b>                       |       |      |
| 100 Series Std thread                 | 55029 | 21   | Conical 4.8/3.8, 5.5/4.5           | 55057 | 49   | Drive CM                             | 55025 | 16   |
| 200 Series Std thread                 | 55029 | 21   |                                    |       |      | Titamax WS Cortical                  | 55056 | 48   |
| 300 Series Std thread (blue)          | 55029 | 21   | <b>Lasak</b>                       |       |      | GM                                   | 55066 | 58   |
| 400 Series Std thread (purple)        | 55035 | 27   | BioniQ QR                          | 55066 | 58   |                                      |       |      |
| 500 series Std thread (green)         | 55035 | 27   | BioniQ QN                          | 55021 | 11   | <b>Neoss</b>                         |       |      |
| 300 Series Wide thread (blue)         | 55029 | 21   |                                    |       |      | SP (Ø 3.5 implants and wider)        | 55004 | 18   |
| 400 Series Wide thread (purple)       | 55035 | 27   | <b>Leader</b>                      |       |      | NP (Ø 3.25)                          | 55027 | 19   |
| 500 Series Wide thread (green)        | 55035 | 27   | Internal Hex, 3.3 - 5.5 mm         | 55034 | 26   | Access Abutment                      | 55060 | 52   |
|                                       |       |      | Cono-In                            | 55067 | 59   |                                      |       |      |
| <b>Implant Direct</b>                 |       |      | <b>Maxillent</b>                   |       |      | <b>Nobel Biocare</b>                 |       |      |
| Legacy 1/2/3/4 3.0/3.2                | 55012 | 2    | iRaise                             | 55049 | 41   | Brånemark System Ext hex RP          | 55011 | 1    |
| Legacy 1/2/3/4 3.5/3.7 - 5.7/7.0      | 55051 | 43   |                                    |       |      | Brånemark System Ext hex NP          | 55012 | 2    |
| RePlant 3.5                           | 55022 | 12   | <b>Medentika</b>                   |       |      | Brånemark System Ext hex WP          | 55013 | 3    |
| RePlant 4.3 - 5.0                     | 55010 | 13   | Microcone NI                       | 55021 | 11   | Tri-lobe Connection NP               | 55022 | 12   |
| RePlant 6.0                           | 55032 | 24   | Microcone RI                       | 55081 | 73   | Tri-lobe Connection RP, WP           | 55010 | 13   |
| ReActive 3.5 Platform                 | 55022 | 12   | Quattrocone RI                     | 55081 | 73   | Tri-lobe Connection 6.0              | 55032 | 24   |
| ReActive 4.3 - 5.0 Platform           | 55010 | 13   | Quattrocone 30 Al                  | 55081 | 73   | Conical Connection 3.0               | 55058 | 50   |
| Interactive 3.0 Platform              | 55046 | 38   | Procone 3.3                        | 55119 | 85   | Conical Connection Narrow            | 55046 | 38   |
| Interactive 3.4 Platform              | 55037 | 29   | Procone 3.8                        | 55031 | 23   | Conical Connection Regular           | 55037 | 29   |
| Screwindirect 5.0 PF 3.0 - 5.7        | 55070 | 62   | Procone 4.3                        | 55031 | 23   | Conical Connection Wide 5.5          | 55048 | 40   |
|                                       |       |      | Procone 5.0                        | 55032 | 24   | MUA NP & RP                          | 55080 | 72   |
| <b>Implant Swiss</b>                  |       |      |                                    |       |      | On1 NP, RP, WP                       | 55042 | 34   |
| Tissue level                          | 55014 | 4    |                                    |       |      |                                      |       |      |
| Bone level Regular                    | 55037 | 29   |                                    |       |      |                                      |       |      |
| Bone level 3.3                        | 55065 | 57   |                                    |       |      |                                      |       |      |

# MulTipeg™ Assortment

|   | No    | Type |   | No    | Type |  | No    | Type |
|---|-------|------|---|-------|------|--|-------|------|
| <b>Noris Medical</b>                      |       |      | <b>Quest</b>                                |       |      | <b>Sweden &amp; Martina</b>              |       |      |
| Tuff 3.3 - 6.0                            | 55034 | 26   | Hylock NP                                   | 55030 | 22   | Syra, Syra SP 3.9-5.0                    | 55011 | 1    |
|   |       |      | Hylock RP                                   | 55066 | 58   | Outlink2 3.75, 4.10, 5.0                 | 55011 | 1    |
| <b>Novem</b>                              |       |      |   |       |      | Shelta 3.8-5.0                           | 55025 | 16   |
| 3.4                                       | 55039 | 31   | <b>Resista</b>                              |       |      | Premium Straight & SP 3.3-3.8            | 55025 | 16   |
| 3.8                                       | 55016 | 6    | WIS 3.0-5.0                                 | 55049 | 41   | Kohno Straight & SP 3.3-3.8              | 55025 | 16   |
| 4.2, 5.0                                  | 55057 | 49   |   |       |      | Premium Straight & SP 4.25-6.0           | 55004 | 18   |
| <b>NucleOss</b>                           |       |      | <b>Rex Implants</b>                         |       |      | Kohno Straight & SP 4.25-6.0             | 55004 | 18   |
| Tpure Bone Level                          | 55004 | 18   | External hex TL 1.8                         | 55060 | 52   | Prama 3.8 - 5.0                          | 55079 | 71   |
| T6 Bone1 Level                            | 55074 | 66   | Internal hex TL 2.9                         | 55034 | 26   | DAT Connection                           | 55035 | 27   |
|   |       |      |   |       |      |  |       |      |
| <b>OCO Biomedical</b>                     |       |      | <b>Ritter</b>                               |       |      | <b>Tag Dental</b>                        |       |      |
| Engage 3.25                               | 55027 | 19   | Spiral SB/LA Narrow PF 2.9                  | 55081 | 73   | Axis                                     | 55051 | 43   |
| Engage 4.0-6.0                            | 55051 | 43   | Spiral SB/LA Standard PF 3.75               | 55049 | 41   | massif                                   | 55051 | 43   |
| ERI 3.25                                  | 55069 | 61   |   |       |      |  |       |      |
| ERI 4.0-5.0                               | 55014 | 4    | <b>RS Implant</b>                           |       |      | <b>Tatum</b>                             |       |      |
| TSI 3.25                                  | 55068 | 60   | 3.5 - 6.0                                   | 55020 | 10   | Integrity 3.7 - 5.0                      | 55015 | 5    |
| TSI 4.0-5.0                               | 55011 | 1    |   |       |      | Integrity 6.0 - 8.0                      | 55040 | 32   |
|   |       |      | <b>Schutz Dental</b>                        |       |      | T implant                                | 55063 | 55   |
| <b>OsseoFuse</b>                          |       |      | Impla cylindrical                           | 55052 | 44   |  |       |      |
| Hexaplus, Sinusplus                       | 55081 | 73   | IMPLA micro Retention Cone 4.2              | 55052 | 44   | <b>Simply Implants</b>                   |       |      |
|   |       |      |   |       |      | Internal Hex                             | 55051 | 43   |
| <b>Osstem</b>                             |       |      | <b>SGS Implant</b>                          |       |      |  |       |      |
| US Regular                                | 55011 | 1    | P1, P7 Platform                             | 55049 | 41   | <b>SIN</b>                               |       |      |
| US Mini                                   | 55012 | 2    | P1D, P7D                                    | 55049 | 41   | Strong SW CM                             | 55023 | 14   |
| US Wide                                   | 55013 | 3    | P7N   | 55059 | 51   | Strong SW Int Hex                        | 55035 | 27   |
| US Wide PS                                | 55011 | 1    |   |       |      | Unitite CM 2.9                           | 55084 | 76   |
| SS Regular, Wide                          | 55028 | 20   | <b>SIC invent</b>                           |       |      | Unitite CM 3.5                           | 55077 | 69   |
| TS Regular, Reg Short, Diam 6 & 7         | 55037 | 29   | SICace 3.4 - 5.0                            | 55052 | 44   | Unitite CM Compact 4.0                   | 55085 | 77   |
| TS Mini 3.5                               | 55015 | 5    | SICmax, SICtapered 3.7 - 5.2                | 55052 | 44   | Tryon 3.25 - 5.0                         | 55011 | 1    |
| TS Mini 3.0                               | 55047 | 39   | SICvantage® max, SICvantage tapered 3.0     | 55026 | 17   |  |       |      |
|   |       |      | SICvantage® max, SICvantage tapered 3.7     | 55116 | 82   | <b>Southern Implants</b>                 |       |      |
|   |       |      | SICvantage® max, SICvantage tapered 4.2-5.2 | 55054 | 46   | Tri-Nex 4.3-5.0                          | 55010 | 13   |
|   |       |      | MUA   | 55120 | 86   | Tri-Nex 3.5                              | 55022 | 12   |
| <b>Osteo Plus</b>                         |       |      |   |       |      | External Hex                             | 55011 | 1    |
| Iridium PF 3.8 & 4.2                      | 55079 | 71   | <b>Simply Implants</b>                      |       |      | MAX Ext Hex                              | 55011 | 1    |
| She 3.45, 3.75                            | 55011 | 1    | Internal Hex                                | 55051 | 43   | Co-Axis Ext Hex                          | 55011 | 1    |
| Shi 3.75, 4.2                             | 55049 | 41   |   |       |      | Piccolo Ext Hex                          | 55050 | 42   |
| Shi 5.0                                   | 55051 | 43   | <b>SIN</b>                                  |       |      | IT-Connection                            | 55014 | 4    |
|   |       |      | Strong SW CM                                | 55023 | 14   | Deep Conical 3.0                         | 55064 | 56   |
| <b>OT-Medical</b>                         |       |      | Strong SW Int Hex                           | 55035 | 27   | Deep Conical 3.5-4.0                     | 55046 | 38   |
| OT-F2 3.4, 3.8                            | 55053 | 45   | Unitite CM 2.9                              | 55084 | 76   | Deep Conical Tapered 5.0                 | 55017 | 7    |
| OT-F2 4.1, 5.0                            | 55073 | 65   | Unitite CM 3.5                              | 55077 | 69   |  |       |      |
|   |       |      | Unitite CM Compact 4.0                      | 55085 | 77   | <b>Spiral Tech</b>                       |       |      |
| <b>Overmed</b>                            |       |      | Tryon 3.25 - 5.0                            | 55011 | 1    | ESi, Hex connection                      | 55051 | 43   |
| Easyline Easydip                          | 55020 | 10   |   |       |      | Ultimate, Hex connection                 | 55051 | 43   |
|   |       |      | <b>Southern Implants</b>                    |       |      | ESi Conical 3.5                          | 55044 | 36   |
| <b>Oxy Implant</b>                        |       |      | Tri-Nex 4.3-5.0                             | 55010 | 13   | ESi Conical 4.3, 5.0                     | 55037 | 29   |
| Internal                                  | 55020 | 10   | Tri-Nex 3.5                                 | 55022 | 12   |  |       |      |
| Kone Conical Narrow                       | 55021 | 11   | External Hex                                | 55011 | 1    | <b>Straumann</b>                         |       |      |
| Kone Conical Regular                      | 55051 | 43   | MAX Ext Hex                                 | 55011 | 1    | Tissue level, Regular & Wide Neck        | 55014 | 4    |
| PSK Line Regular                          | 55051 | 43   | Co-Axis Ext Hex                             | 55011 | 1    | Tissue level, Narrow Neck Crossfit (NNC) | 55076 | 68   |
| External Mini                             | 55079 | 71   | Piccolo Ext Hex                             | 55050 | 42   | Bone level / Bone Level Tapered Narrow   | 55061 | 53   |
| External Regular                          | 55011 | 1    | IT-Connection                               | 55014 | 4    | Bone level / Bone Level Tapered Regular  | 55062 | 54   |
| External Maxi                             | 55011 | 1    | Deep Conical 3.0                            | 55064 | 56   | Bone level / Bone Level Tapered SC 2.9   | 55064 | 56   |
|   |       |      | Deep Conical 3.5-4.0                        | 55046 | 38   | Bone Level X (BLX) all platform          | 55027 | 19   |
| <b>Paltop</b>                             |       |      | Deep Conical Tapered 5.0                    | 55017 | 7    | Screw retained Abutment NP, RP           | 55080 | 72   |
| Standard 3.75-5.0                         | 55034 | 26   |   |       |      |  |       |      |
| Narrow                                    | 55027 | 19   | <b>Spiral Tech</b>                          |       |      | <b>Surgikor</b>                          |       |      |
| PCA Conical                               | 55066 | 58   | ESi, Hex connection                         | 55051 | 43   | Fixation 3.0                             | 55058 | 50   |
|   |       |      | Ultimate, Hex connection                    | 55051 | 43   | Fixation 3.5                             | 55066 | 58   |
| <b>Phibo</b>                              |       |      | ESi Conical 3.5                             | 55044 | 36   | Fixation 4.3                             | 55037 | 29   |
| Aurea EVO NP                              | 55027 | 19   | ESi Conical 4.3, 5.0                        | 55037 | 29   | Solution 3.5, 4.0                        | 55066 | 58   |
| Aurea EVO RP, WP                          | 55051 | 43   |   |       |      | Solution 4.5, 6.0                        | 55037 | 29   |
| TSA S3                                    | 55074 | 66   | <b>Straumann</b>                            |       |      | Immediate, all                           | 55049 | 41   |
| TSA S4, S5                                | 55034 | 26   | Tissue level, Regular & Wide Neck           | 55014 | 4    | Versatile, all                           | 55049 | 41   |
| TSH S3, S4, S5                            | 55011 | 1    | Tissue level, Narrow Neck Crossfit (NNC)    | 55076 | 68   |  |       |      |
|   |       |      | Bone level / Bone Level Tapered Narrow      | 55061 | 53   | <b>Sweden &amp; Martina</b>              |       |      |
| <b>P-I Brånemark</b>                      |       |      | Bone level / Bone Level Tapered Regular     | 55062 | 54   | Syra, Syra SP 3.9-5.0                    | 55011 | 1    |
| HEX 3.3                                   | 55115 | 81   | Bone level / Bone Level Tapered SC 2.9      | 55064 | 56   | Outlink2 3.75, 4.10, 5.0                 | 55011 | 1    |
| HEX 3.75 -5.0                             | 55117 | 83   | Bone Level X (BLX) all platform             | 55027 | 19   | Shelta 3.8-5.0                           | 55025 | 16   |
| AMP 3.3                                   | 55039 | 31   | Screw retained Abutment NP, RP              | 55080 | 72   | Premium Straight & SP 3.3-3.8            | 55025 | 16   |
| AMP 3.75 - 4.8                            | 55118 | 84   |   |       |      | Kohno Straight & SP 3.3-3.8              | 55025 | 16   |
| MT 3.3 - 4.8                              | 55046 | 38   |   |       |      | Premium Straight & SP 4.25-6.0           | 55004 | 18   |
|   |       |      | <b>Surgikor</b>                             |       |      | Kohno Straight & SP 4.25-6.0             | 55004 | 18   |
| <b>Prodent Italia</b>                     |       |      | Fixation 3.0                                | 55058 | 50   | Prama 3.8 - 5.0                          | 55079 | 71   |
| Twinner & Prime, Conomet, Collar: Orange  | 55027 | 19   | Fixation 3.5                                | 55066 | 58   | DAT Connection                           | 55035 | 27   |
| Twinner & Prime, Conomet, Collar: Fuchsia | 55051 | 43   | Fixation 4.3                                | 55037 | 29   |  |       |      |
| Twinner & Prime, Conomet, Collar: Green   | 55067 | 59   | Solution 3.5, 4.0                           | 55066 | 58   |  |       |      |
| Twinner & Prime, Conomet, Collar: Yellow  | 55020 | 10   | Solution 4.5, 6.0                           | 55037 | 29   |  |       |      |
| Prime, Conomet, Collar: Blue              | 55020 | 10   | Immediate, all                              | 55049 | 41   |  |       |      |
|   |       |      | Versatile, all                              | 55049 | 41   |  |       |      |

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| No                             |       |    | Type | No                         |       |    | Type | No                                     |       |    | Type |
|--------------------------------|-------|----|------|----------------------------|-------|----|------|--|-------|----|------|
| <b>Sweden &amp; Martina</b>    |       |    |      | <b>Ticare</b>              |       |    |      | <b>Vulkan</b>                          |       |    |      |
| Syra, Syra SP 3.9-5.0          | 55011 | 1  |      | Osseus Mini, Standard      | 55011 | 1  |      | Internal Hex                           | 55034 | 26 |      |
| Outlink2 3.75, 4.10, 5.0       | 55011 | 1  |      | Osseus Maxi                | 55013 | 3  |      | External Hex NP                        | 55012 | 2  |      |
| Shelta 3.8-5.0                 | 55025 | 16 |      | Osseus Maxi ps             | 55011 | 1  |      | External Hex RP                        | 55011 | 1  |      |
| Premium Straight & SP 3.3-3.8  | 55025 | 16 |      | Inhex Mini                 | 55021 | 11 |      | Conical con MIP                        | 55058 | 50 |      |
| Kohno Straight & SP 3.3-3.8    | 55025 | 16 |      | Inhex Standard             | 55046 | 38 |      | Conical con NP                         | 55046 | 38 |      |
| Premium Straight & SP 4.25-6.0 | 55004 | 18 |      | Inhex Maxi                 | 55017 | 7  |      |  |       |    |      |
| Kohno Straight & SP 4.25-6.0   | 55004 | 18 |      | Osseus Quattro Standard    | 55011 | 1  |      | <b>Winsix</b>                          |       |    |      |
| Prama 3.8 - 5.0                | 55079 | 71 |      | Inhex Quattro Standard     | 55046 | 38 |      | Internal Hex                           | 55020 | 10 |      |
| DAT Connection                 | 55035 | 27 |      |                            |       |    |      |  |       |    |      |
| <b>Tag Dental</b>              |       |    |      | <b>TRATE</b>               |       |    |      | <b>Xgate</b>                           |       |    |      |
| Axis                           | 55051 | 43 |      | ROOTFORM                   | 55065 | 57 |      | Conical 3.3 - 5.0                      | 55034 | 26 |      |
| Massif                         | 55051 | 43 |      |                            |       |    |      |  |       |    |      |
| <b>Tatum</b>                   |       |    |      | <b>TRI Dental implants</b> |       |    |      | <b>Xive</b>                            |       |    |      |
| Integrity 3.7 - 5.0            | 55015 | 5  |      | Tissue level Octa          | 55014 | 4  |      | S-Plus 3.0                             | 55030 | 22 |      |
| Integrity 6.0 - 8.0            | 55040 | 32 |      | Tri-Vent, all              | 55034 | 26 |      | S-Plus 3.4                             | 55061 | 53 |      |
| T Implant                      | 55063 | 55 |      | Narrow                     | 55025 | 16 |      | S-Plus 3.8-5.5                         | 55062 | 54 |      |
|                                |       |    |      |                            |       |    |      | TG Plus 3.4-4.5                        | 55018 | 8  |      |
| <b>TBR</b>                     |       |    |      | <b>Trinon</b>              |       |    |      | <b>Zeramex</b>                         |       |    |      |
| Infinity PF 3.5, PF 4.0        | 55004 | 18 |      | Q2-Implant                 | 55011 | 1  |      | XT Implant 4.2, 5.5                    | 55086 | 78 |      |
| M Implant                      | 55044 | 36 |      | QK-Implant                 | 55014 | 4  |      |  |       |    |      |
|                                |       |    |      | QZA 3.5 Platform           | 55049 | 41 |      | <b>Zimmer</b>                          |       |    |      |
|                                |       |    |      | QZA 4.5, 5.7 Platform      | 55051 | 43 |      | Screw-Vent, Tapered Screw-Vent 3.7-4.1 | 55049 | 41 |      |
| <b>Thommen</b>                 |       |    |      | <b>URIS</b>                |       |    |      |  |       |    |      |
| SPI 3.5                        | 55021 | 11 |      | Omni Narrow 3.0-3.5        | 55115 | 81 |      | Screw-Vent, Tapered Screw-Vent 4.7-5.7 | 55051 | 43 |      |
| SPI 4.0                        | 55065 | 57 |      | Omni Regular 4.0-6.5       | 55020 | 10 |      | Tapered Swiss Platf 3.8                | 55070 | 62 |      |
| SPI 4.5-6.0                    | 55066 | 58 |      |                            |       |    |      | Tapered Swiss Platf 4.8                | 55014 | 4  |      |
|                                |       |    |      |                            |       |    |      | Spline Twist Platt 4 & 5               | 55038 | 30 |      |
|                                |       |    |      |                            |       |    |      | Eztetic NP 3.1                         | 55065 | 57 |      |
|                                |       |    |      |                            |       |    |      |  |       |    |      |
|                                |       |    |      |                            |       |    |      | <b>Zuga</b>                            |       |    |      |
|                                |       |    |      |                            |       |    |      | All                                    | 55027 | 19 |      |

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