



# HIOSSEN EK Implant System

PRODUCT CATALOG

**HIOSSEN**  
IMPLANT

# Hiossen EK Implant Solutions

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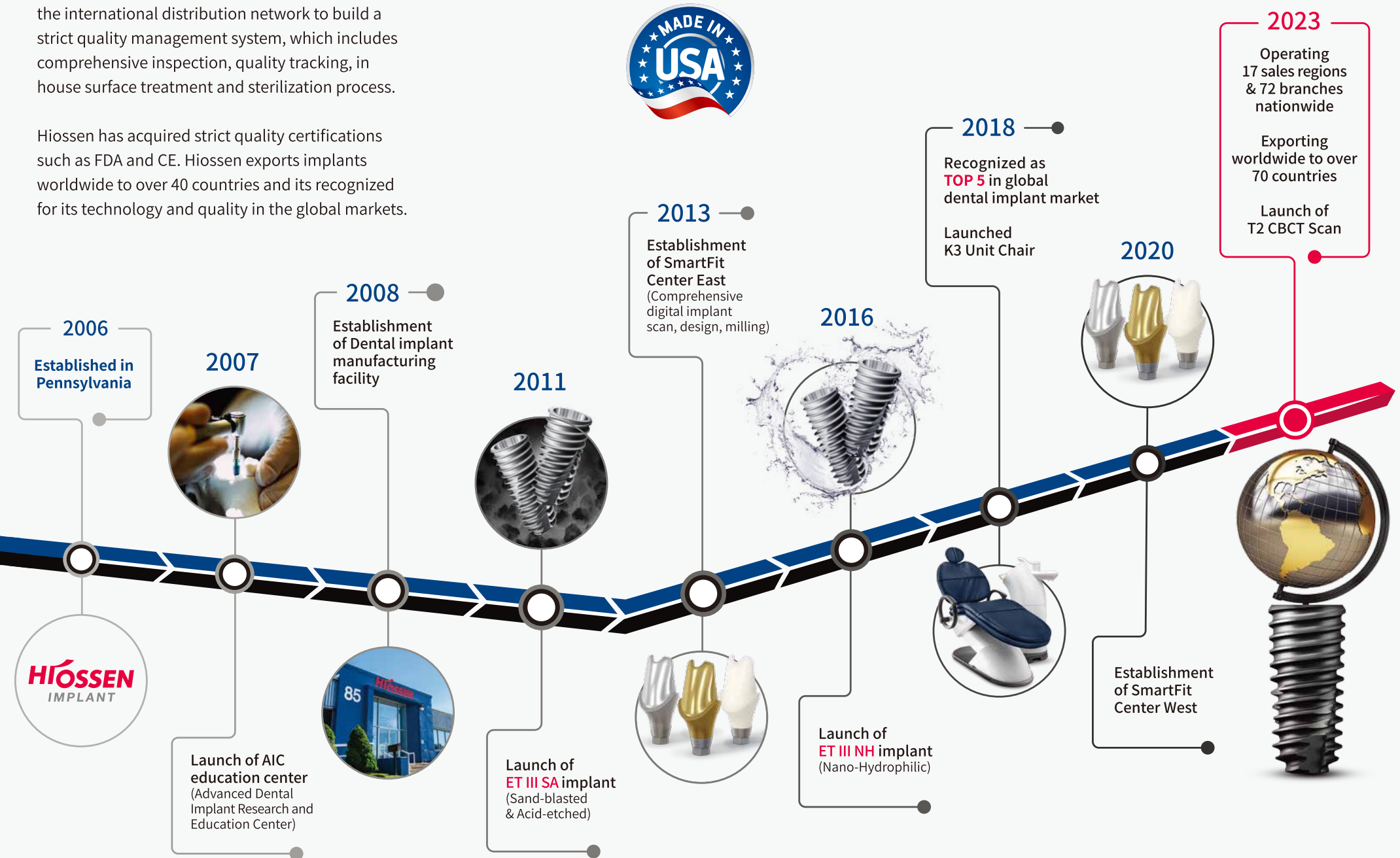


# Legacy Based on Technology



All Hiossen implants are domestically produced, manufactured and packaged in Pennsylvania, USA. Our global production has collaborated with the international distribution network to build a strict quality management system, which includes comprehensive inspection, quality tracking, in house surface treatment and sterilization process.

Hiossen has acquired strict quality certifications such as FDA and CE. Hiossen exports implants worldwide to over 40 countries and its recognized for its technology and quality in the global markets.



With an endless challenge of providing the latest technology, Hiossen is making its way to become one of the top global implant, restorative and digital dentistry companies. Our reliable, convenient and simpler solutions are built on infinite queries, persistence and confidence.

Together with our parent company, Osstem Implant, we became one of the top five dental implant leaders with a far-ranging spectrum of products and services.

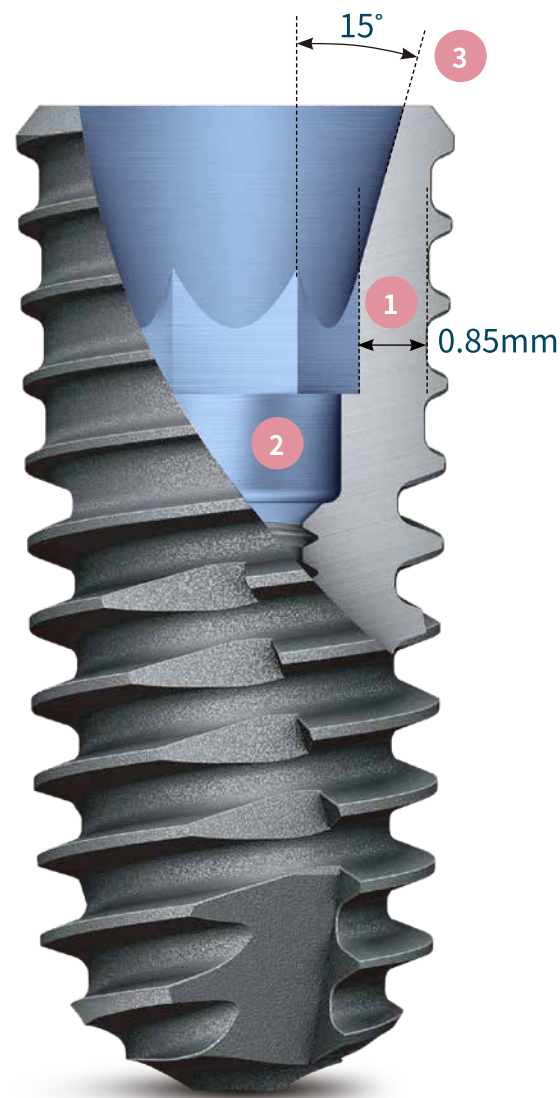
Hiossen shares a passion for better life by sophisticating and developing new products and assisting the medical treatment procedures by making them safer and simpler for clinicians and patients. Our team strives to provide the best surgical and restorative outcomes by conducting rigorous testing, research, clinical studies and services, which we have proven through our dedication to improving the quality of life of edentulous patients.





# Hiossen EK System Introduction

The Hiossen EK system features a unique internal design that strengthens the implant's coronal aspect, an area susceptible to fractures. This distinctive feature ensures heightened resilience, providing superior protection against potential fractures and enhancing the implant's overall lifespan.



## 1. Increased Implant Wall Thickness

The EK System stands out due to its slim abutment screw design, which optimizes space usage by reinforcing the inner walls of the implant body. This reinforcement not only enhances the durability of the abutment but also strengthens the implant walls.

## 2. Deeper Implant-Abutment Connection

The depth of connection between the implant and abutment is increased, dispersing masticatory pressure effectively. This robust structure of the EK System minimizes external forces on the screw, reducing the risk of screw loosening significantly.

## 3. Increased Morse Taper Degree

A 15-degree Morse Taper was strategically implemented to mitigate the sink-down effect. The decision to enhance the taper angle from 11° to 15° yielded compelling results in our internal testing, demonstrating a remarkable 33% decrease in the probability of screw loosening as compared to conventional implants.

# One Connection Implant

A single prosthetic platform allows for adaptable and flexible treatment across all EK Implant sizes. Having fewer components in the system reduces complexity and improves efficiency. The outcomes offer a reliable and economical resolution.

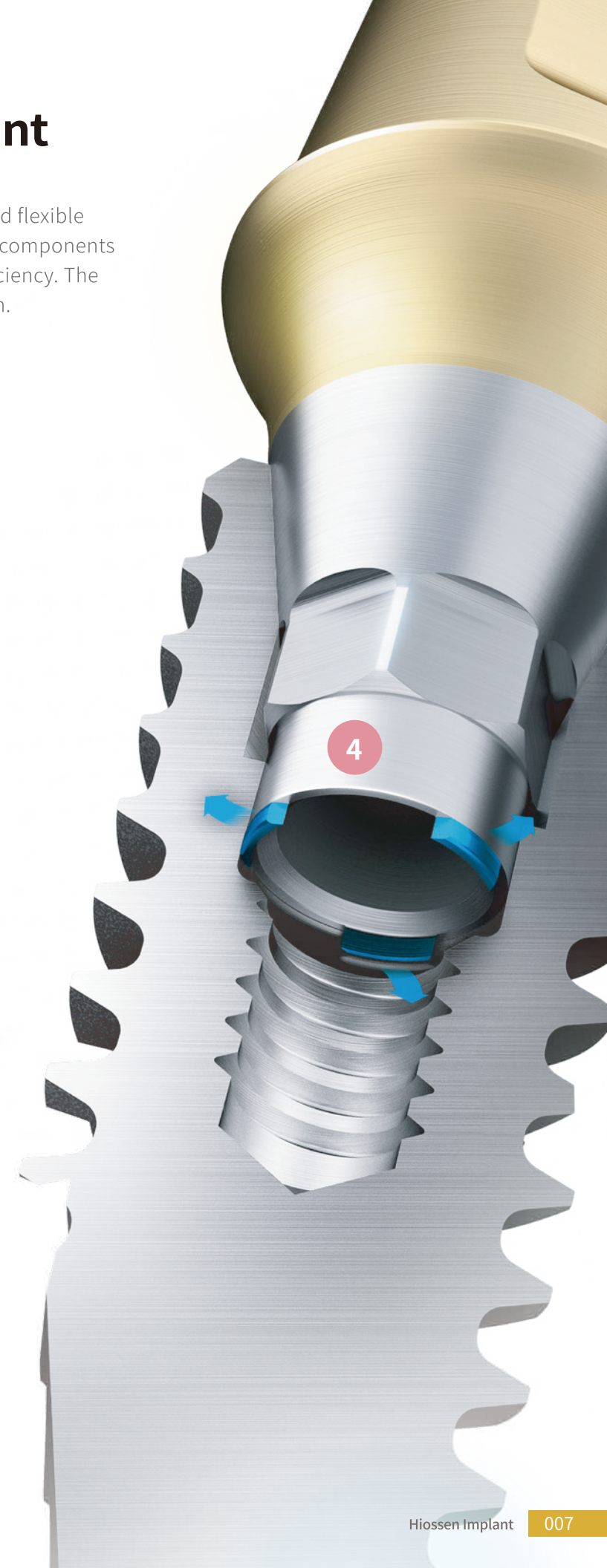
## Features

### 4. Abutment Holding System

Equipped with three latching slots, abutments can firmly attach to implants before screw is engaged. The system prevents implant dislocation from the gingival elasticity.

### 5. Single Platform

The Single Platform offers versatility by accommodating all different implant diameters for a more convenient prosthetic selection.





# EK Implant System

EK Implant System								
Description				Guide				
<ul style="list-style-type: none"> <li>A narrower and deeper internal connection has increased the wall thickness of the implant</li> <li>A single connection across all diameter helps decrease prosthetic errors and increases inventory management efficiency in the clinic</li> <li>SA Surface coated with low crystalline nano-HA</li> <li>1.5° of the tapered body with buttress threads increases the contact surface with the bone and primary stability of the implant</li> <li>Aggressive corkscrew thread and cutting edge increase self-tapping, path correction, and eventually help achieve stabilized insertion torque adjusted to the implant diameter</li> <li>The application of smaller threads in the upper body increases the initial stability in the 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>Order Code</b>  <b>NoMount Implant:</b> Code starts with "C"  <b>Mount Implant:</b> Code starts with "A"</p>								
Platform								
Hex	Hex 2.1							
F	F3.2	F3.5	F4.0	F4.5	F5.0	F5.5	F6.0	F7.0
L								
6mm	-	-	-	-	-	-	EK3S6006B	EK3S7006B
7mm	EK3S3007B	-	EK3S4007B	EK3S4507B	EK3S5007B	EK3S5507B	EK3S6007B	EK3S7007B
8.5mm	EK3S3008B	EK3S3508B	EK3S4008B	EK3S4508B	EK3S5008B	EK3S5508B	EK3S6008B	EK3S7008B
10mm	EK3S3010B	EK3S3510B	EK3S4010B	EK3S4510B	EK3S5010B	EK3S5510B	EK3S6010B	EK3S7010B
11.5mm	EK3S3011B	EK3S3511B	EK3S4011B	EK3S4511B	EK3S5011B	EK3S5511B	EK3S6011B	EK3S7011B
13mm	EK3S3013B	EK3S3513B	EK3S4013B	EK3S4513B	EK3S5013B	EK3S5513B	EK3S6013B	EK3S7013B

※ 3.2mm, 6.0mm, 7.0mm are currently unavailable.

※ Specifications are subject to change without any notice

# Mount & Screw

Cover Screw			
Description	Guide		
<ul style="list-style-type: none"> <li>Depending on the depth of the implant, choose the height (H) of the cover screw</li> <li>Ø3.5 implant used exclusive cover screws</li> <li>Hand tighten it with 1.2 hex driver</li> </ul>			
H	0.4	1.4	2.0
For Ø3.5			
	EKCS35S	EKCS35M	EKCS35L
For Ø4.0 and above			
	EKCS40S	EKCS40M	EKCS40L

# 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> <p>Reference table</p> <table border="1"> <thead> <tr> <th>Healing abutment</th> <th>H</th> <th>3.0</th> <th>4.0</th> <th>5.0</th> <th>7.0</th> </tr> </thead> <tbody> <tr> <td>Abutment</td> <td>G/H</td> <td>1.0</td> <td>2.0 or 3.0</td> <td>3.0 or 4.0</td> <td>5.0 &amp; Above</td> </tr> <tr> <td>Impression coping</td> <td>Type</td> <td>Short</td> <td>Short</td> <td>Long</td> <td>Long</td> </tr> </tbody> </table>	Healing abutment	H	3.0	4.0	5.0	7.0	Abutment	G/H	1.0	2.0 or 3.0	3.0 or 4.0	5.0 & Above	Impression coping	Type	Short	Short	Long	Long	
Healing abutment	H	3.0	4.0	5.0	7.0														
Abutment	G/H	1.0	2.0 or 3.0	3.0 or 4.0	5.0 & Above														
Impression coping	Type	Short	Short	Long	Long														

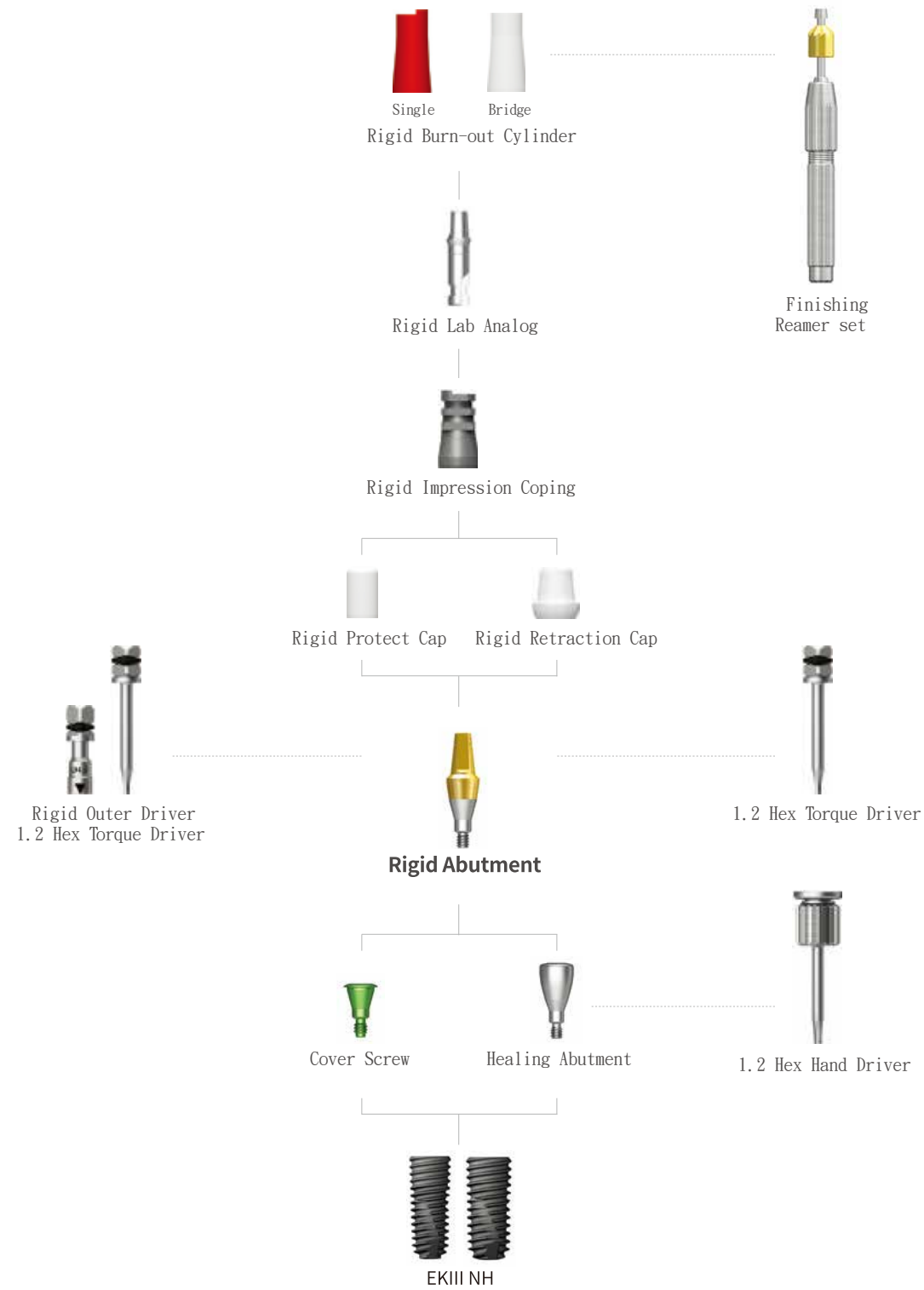
H	3.0	4.0	5.0	6.0	7.0	9.0
D						
Ø4.0	EKHA403	EKHA404	EKHA405	EKHA406	EKHA407	EKHA409
Ø4.5	EKHA453	EKHA454	EKHA455	EKHA456	EKHA457	EKHA459
Ø5.0	EKHA503	EKHA504	EKHA505	EKHA506	EKHA507	EKHA509
Ø6.0	EKHA603	EKHA604	EKHA605	EKHA606	EKHA607	EKHA609
Ø7.0	EKHA703	EKHA704	EKHA705	EKHA706	EKHA707	EKHA709
Ø8.0	-	-	EKHA805	-	-	-

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# 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>Recommended tightening torque: 30Ncm</li> <li>The gingiva height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Packing unit: Abutment + Protect cap</li> <li>※ Compatible with ET Rigid Abutment Component Please refer to page 48</li> </ul>	

D 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	

D 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

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

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

D Ø7.0					
G/H	1.0	2.0	3.0	4.0	5.0
					
H					
5.5	EKRA7610P	EKRA7620P	EKRA7630P	EKRA7640P	EKRA7650P

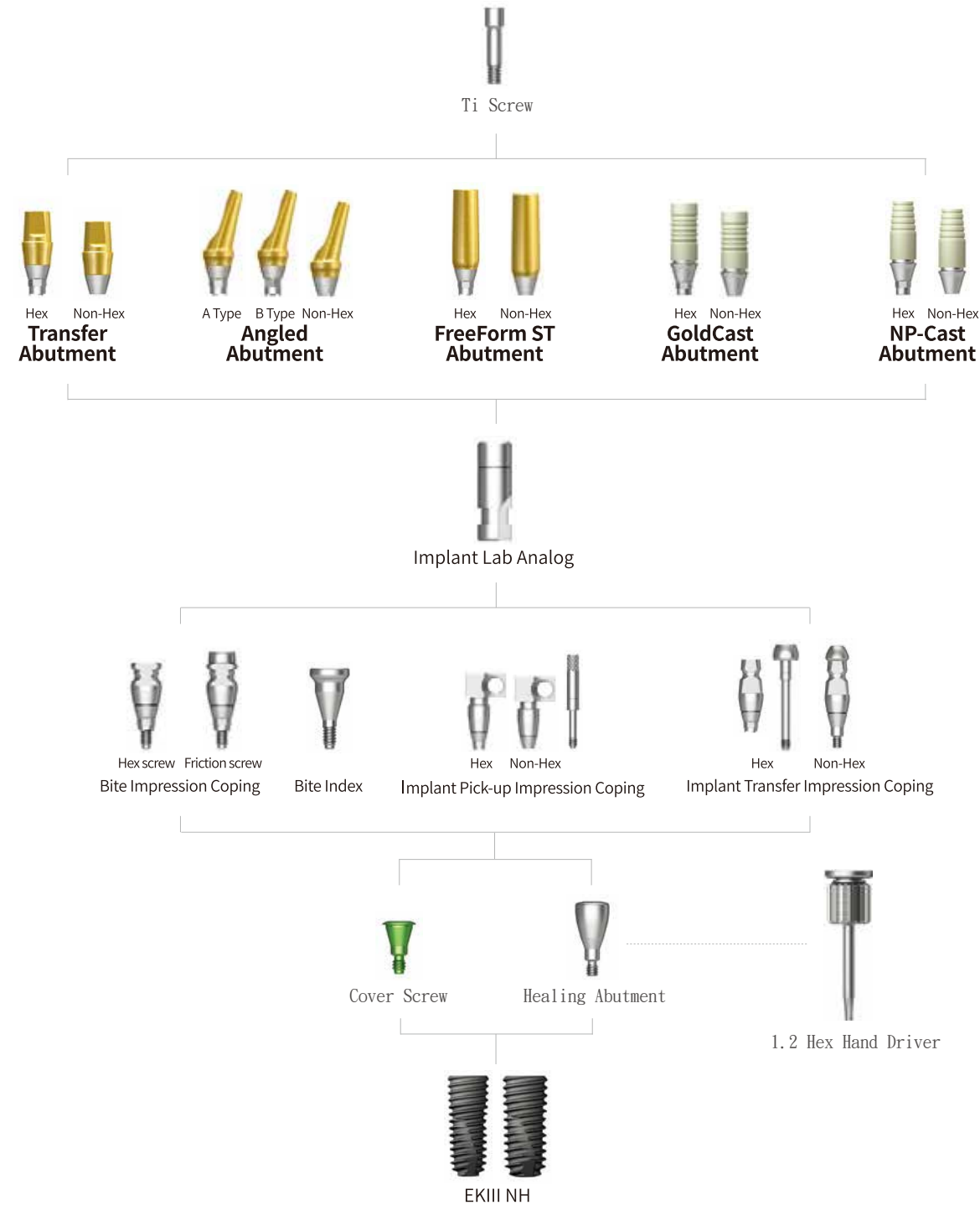


※ Specifications are subject to change without any notice



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







Implant Level Impression









# Transfer Abutment

Transfer Abutment						
Description			Image/Guide			
<ul style="list-style-type: none"> <li>Abutment for cement-retained/combination prosthesis at implant level impression</li> <li>Abutment level impression is available using the rigid impression coping (Ø4.0 excluded)</li> <li>EK abutment holding system simplifies abutment seating when engaging an abutment in the maxilla with a single hand</li> <li>Torque using a 1.2 hex driver</li> <li>Recommended tightening torque: 30Ncm</li> <li>The gingiva height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Packing unit: Abutment + Ti Screw</li> </ul>						
<p>EK abutments have cylinder body three slots at the bottom</p>			<p>EK non-hex abutments have three indents at the bottom</p>			
D Ø4.0						
G/H	1.0	2.0	3.0	4.0	5.0	
Hex	EKTA4612TH EKTA4712TH	EKTA4622TH EKTA4722TH	EKTA4632TH EKTA4732TH	EKTA4642TH EKTA4742TH	EKTA4652TH EKTA4752TH	
Non-Hex	EKTA4612NTH EKTA4712NTH	EKTA4622NTH EKTA4722NTH	EKTA4632NTH EKTA4732NTH	EKTA4642NTH EKTA4742NTH	EKTA4652NTH EKTA4752NTH	
D Ø4.5						
Hex	EKTA4611TH EKTA4711TH	EKTA4621TH EKTA4721TH	EKTA4631TH EKTA4731TH	EKTA4641TH EKTA4741TH	EKTA4651TH EKTA4751TH	
Non-Hex	EKTA4611NTH EKTA4711NTH	EKTA4621NTH EKTA4721NTH	EKTA4631NTH EKTA4731NTH	EKTA4641NTH EKTA4741NTH	EKTA4651NTH EKTA4751NTH	


# Transfer Abutment






D Ø5.0						
G/H	1.0	2.0	3.0	4.0	5.0	
						
H						
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	
D 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	
D 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							
Description			Image/Guide				
<ul style="list-style-type: none"> <li>Components designed for bite impressions at implant level</li> <li>2-in-1 tool for bite and impression taking</li> <li>Utilizes a technique akin to transfer impression coping for impression taking</li> <li>Hand tighten with the bite impression coping driver</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> </ul>							
G/H	2.0	3.0	4.0	5.0	6.0		
							
	H						
D Ø4.0	Hex	4.0	EKBIC4420H	EKBIC4430H	EKBIC4440H	EKBIC4450H	EKBIC4460H
		5.0	EKBIC4520H	EKBIC4530H	EKBIC4540H	EKBIC4550H	EKBIC4560H
		6.0	EKBIC4620H	EKBIC4630H	EKBIC4640H	EKBIC4650H	EKBIC4660H
D Ø4.5	Hex	4.0	EKBIC4421H	EKBIC4431H	EKBIC4441H	EKBIC4451H	EKBIC4461H
		5.0	EKBIC4521H	EKBIC4531H	EKBIC4541H	EKBIC4551H	EKBIC4561H
		6.0	EKBIC4621H	EKBIC4631H	EKBIC4641H	EKBIC4651H	EKBIC4661H
D Ø5.0	Hex	4.0	EKBIC5420H	EKBIC5430H	EKBIC5440H	EKBIC5450H	EKBIC5460H
		5.0	EKBIC5520H	EKBIC5530H	EKBIC5540H	EKBIC5550H	EKBIC5560H
		6.0	EKBIC5620H	EKBIC5630H	EKBIC5640H	EKBIC5650H	EKBIC5660H











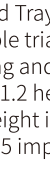
※ Hex screw type does not have three cylinders at the bottom

Bite Impression Coping Driver		
Type	Image	
Hex		
	OICDMH	

Bite Index						
L	4.0	6.0	8.0	10.0	12.0	
						
D Ø4.5	EKBI4504S	EKBI4506S	EKBI4508S	EKBI4510S	EKBI4512S	
D 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 using an Open Tray method.</li> <li>Ensures precise positioning of the internal hex 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>							
	<b>D Ø4.0</b>	EKPI4011	EKPI4011N				
	<b>D Ø4.5</b>	EKPI4511	EKPI4511N				
	<b>D Ø5.0</b>	EKPI5011	EKPI5011N	EKPGP100	EKPGP150	EKPGP200	EKPGP250
	<b>D Ø6.0</b>	EKPI6011	EKPI6011N				
	<b>D Ø7.0</b>	EKPI7011	EKPI7011N				
Implant Pick-up Impression Coping							
Description		Hex	Non-Hex	Guide Pin			
	L	16		5.0	10	15	
<ul style="list-style-type: none"> <li>Components for implant level impression using an Open Tray method.</li> <li>Ensures precise positioning of the internal hex 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>							
	<b>D Ø4.0</b>	EKPI4016	EKPI4016N				
	<b>D Ø4.5</b>	EKPI4516	EKPI4516N				
	<b>D Ø5.0</b>	EKPI5016	EKPI5016N	EKPGP150	EKPGP200	EKPGP250	
	<b>D Ø6.0</b>	EKPI6016	EKPI6016N				
	<b>D Ø7.0</b>	EKPI7016	EKPI7016N				


※ Hex screw type does not have three cylinders at the bottom

# 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 using a Closed Tray method.</li> <li>Features a stable triangular arc structure for secure fastening and precise repositioning.</li> <li>Tighten with a 1.2 hex hand driver.</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Packing unit:</li> <li>- Hex: Impression coping body + Guide pin</li> <li>- Non-hex: Impression coping</li> </ul>					
	<b>D Ø4.0</b>	EKT14011	EKT14011N	EKT14014	EKT14014N
	<b>D Ø4.5</b>	EKT14511	EKT14511N	EKT14514	EKT14514N
	<b>D Ø5.0</b>	EKT15011	EKT15011N	EKT15014	EKT15014N
	<b>D Ø6.0</b>	EKT16011	EKT16011N	EKT16014	EKT16014N
	<b>D Ø7.0</b>	EKT17011	EKT17011N	EKT17014	EKT17014N

※ Hex screw type does not have three cylinders at the bottom

Laboratory Screw		
Description	Lab Screw	Waxing Screw
<ul style="list-style-type: none"> <li>Laboratory screw: This is an abutment 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 upper section</li> </ul>		
	EKABSL	EKABSW

Transfer Lab Analog		
Description	D Ø3.5	D Ø4.0
<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>Abutment designed for creating cement-retained or combination prostheses</li> <li>Compensates for implant insertion angles up to 23° without requiring removal</li> <li>Suitable for implant-level impressions</li> <li>Tighten using a 1.2 hex driver</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packaging unit: Abutment + Ti-screw</li> </ul>						
G/H	2.0			4.0		
Type	Hex A	Hex B	Non-Hex	Hex A	Hex B	Non-Hex
<b>Ø4.3</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>Abutment designed for creating cement-retained or combination prostheses</li> <li>Utilized to modify the contour of abutment margins</li> <li>Impressions taken at the implant level</li> <li>Tighten using a 1.2 hex driver</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packaging unit: Abutment + Ti-screw</li> </ul>				
G/H	1.5		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
<b>D Ø4.0</b> <b>D Ø5.0</b> (straight)	EKFA4015TH EKFA5015TH	EKFA4015NTH EKFA5015NTH	EKFA4030TH EKFA5030TH	EKFA4030NTH EKFA5030NTH
G/H	1.5		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
<b>D Ø5.0</b> <b>D Ø6.0</b> <b>D Ø7.0</b>	EKFA5015TH EKFA6015TH EKFA7015TH	EKFA5015NTH EKFA6015NTH EKFA7015NTH	EKFA5030TH EKFA6030TH EKFA7030TH	EKFA5030NTH EKFA6030NTH EKFA7030NTH

# GoldCast Abutment

GoldCast Abutment				
Description			Image/Guide	
<ul style="list-style-type: none"> <li>Abutment designed for creating cement-retained or combination prostheses</li> <li>Used for producing customized prosthesis through gold alloy casting.</li> <li>Melting temperature of abutment: 1,400~1,450°C (2552~2822°F)</li> <li>Impressions taken at the implant level</li> <li>Tighten using a 1.2 hex driver</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Recommended tightening torque: 30Ncm</li> <li>Packaging unit: Abutment + Ti screw</li> </ul>				
G/H	1.0		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
<b>D Ø4.0</b> <b>D Ø4.5</b>	EKGA4010TH EKGA4510TH	EKGA4010NTH EKGA4510NTH	EKGA4030TH EKGA4530TH	EKGA4030NTH EKGA4530NTH

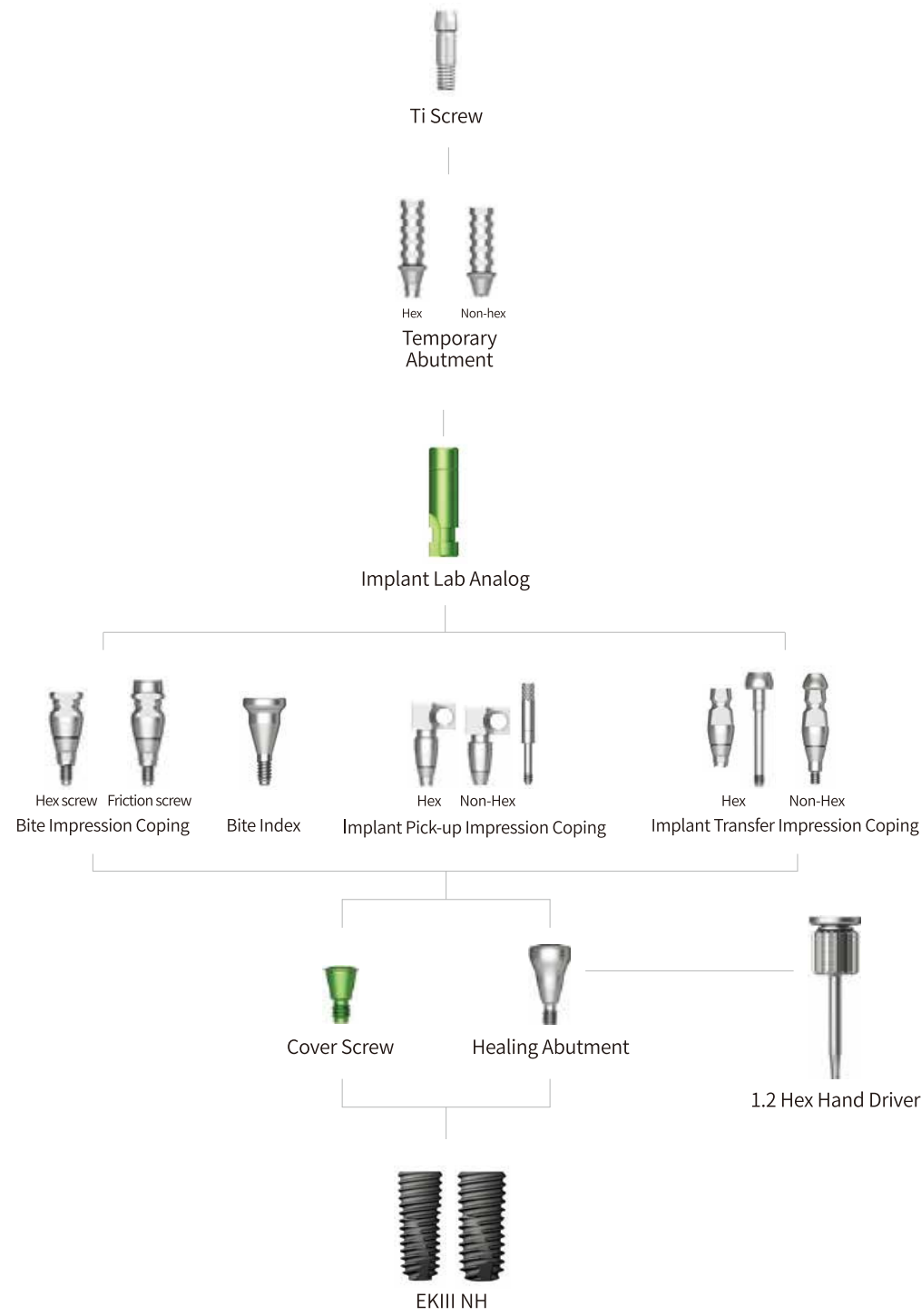
# NP-Cast Abutment

NP-Cast Abutment				
Description			Image/Guide	
<ul style="list-style-type: none"> <li>Abutment designed for creating screw-retained prostheses</li> <li>Used for producing customized casting prosthesis through non-precious alloy</li> <li>Melting temperature of abutment: 1,400~1,450°C (2552~2822°F)</li> <li>Impressions taken at the implant level</li> <li>Tighten using a 1.2 hex driver.</li> <li>Recommended tightening torque: 20Ncm(mini), 30Ncm(regular)</li> <li>Packaging unit: Abutment + Ti screw</li> </ul>				
G/H	1.0		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
<b>D Ø4.0</b> <b>D Ø4.5</b>	EKNA4010TH EKNA4510TH	EKNA4010NTH EKNA4510NTH	EKNA4030TH EKNA4530TH	EKNA4030NTH EKNA4530NTH



# Temporary

Abutment Level Impression

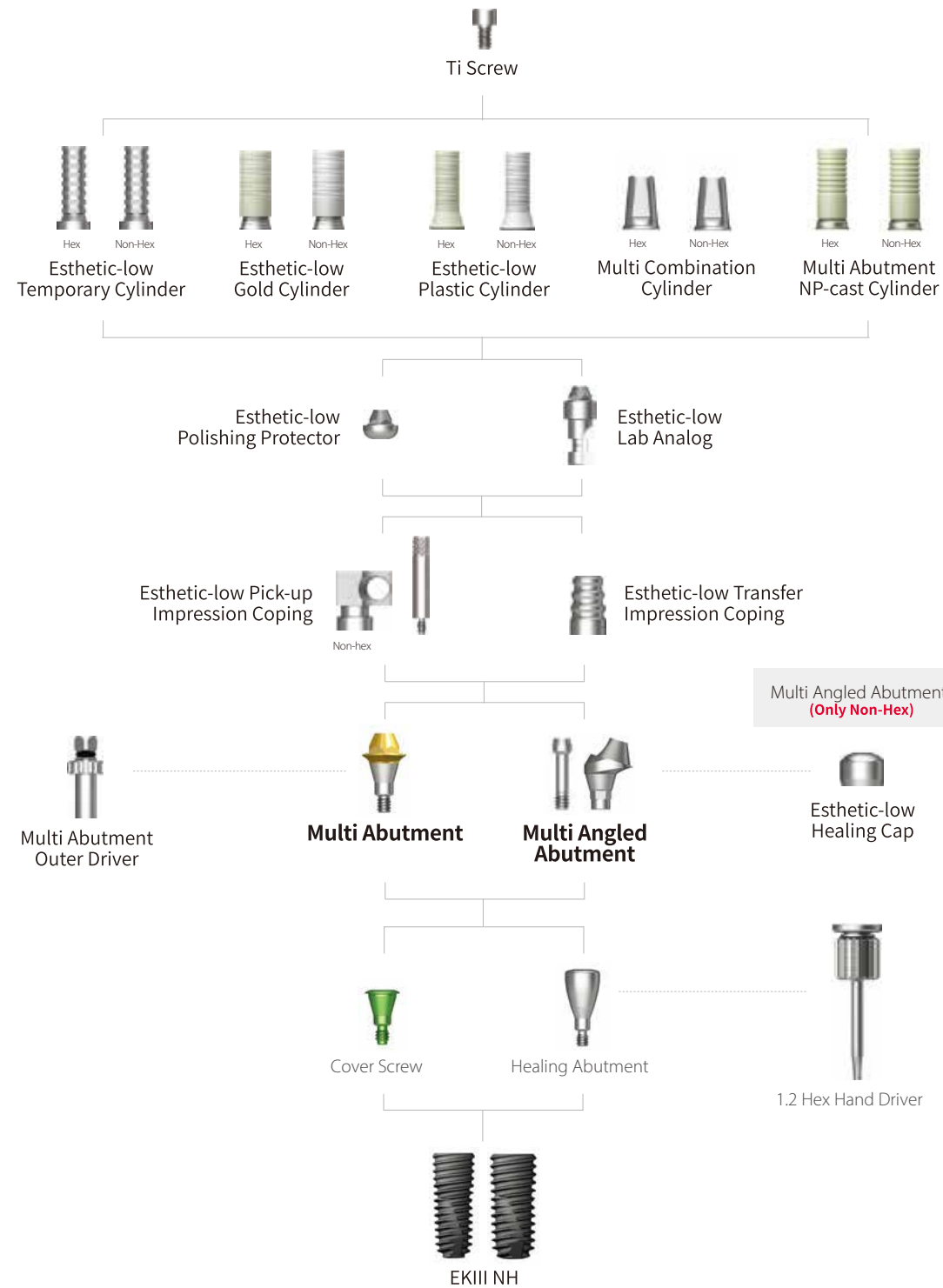


# Temporary Abutment

Temporary Abutment				
Description			Image/Guide	
<ul style="list-style-type: none"> <li>Cement/screw-retained temporary prosthesis</li> <li>Utilized for producing provisional prostheses after prepping</li> <li>Impressions taken at the implant level</li> <li>Torqued using a 1.2 hex driver</li> <li>Recommended torque for tightening: 20Ncm</li> <li>Packaging Unit: Abutment + Ti screw</li> </ul>				
G/H	1.0		3.0	
Type	Hex	Non-Hex	Hex	Non-Hex
<b>D Ø4.0</b> <b>D Ø4.5</b>	EKTTA4010TH EKTTA4510TH	EKTTA4010NTH EKTTA4510NTH	EKTTA4030TH EKTTA4530TH	EKTTA4030NTH EKTTA4530NTH

# Multi / Multi Angled


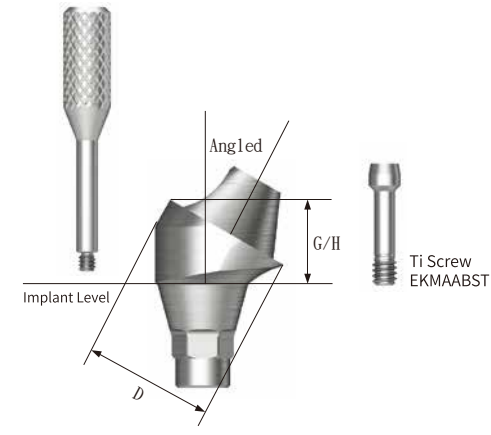







Abutment Level Impression



# Multi Abutment

Multi Abutment					
Description		Image/Guide			
<ul style="list-style-type: none"> <li>Screw-retained prosthesis for multiple prosthetic options</li> <li>Shares the same platform as the multi-angled abutment</li> <li>Restorative components: US aesthetic low cylinder (regular/non-hex)</li> <li>Torque using multi abutment outer driver (HMAOD)</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant</li> <li>Recommended torque for tightening: 30Ncm</li> <li>Packaging unit includes abutment and carrier</li> </ul>					
G/H	1.0	2.0	3.0	4.0	5.0
<b>D Ø4.8</b>	EKMA5010P	EKMA5020P	EKMA5030P	EKMA5040P	EKMA5050P

# Multi Angled Abutment

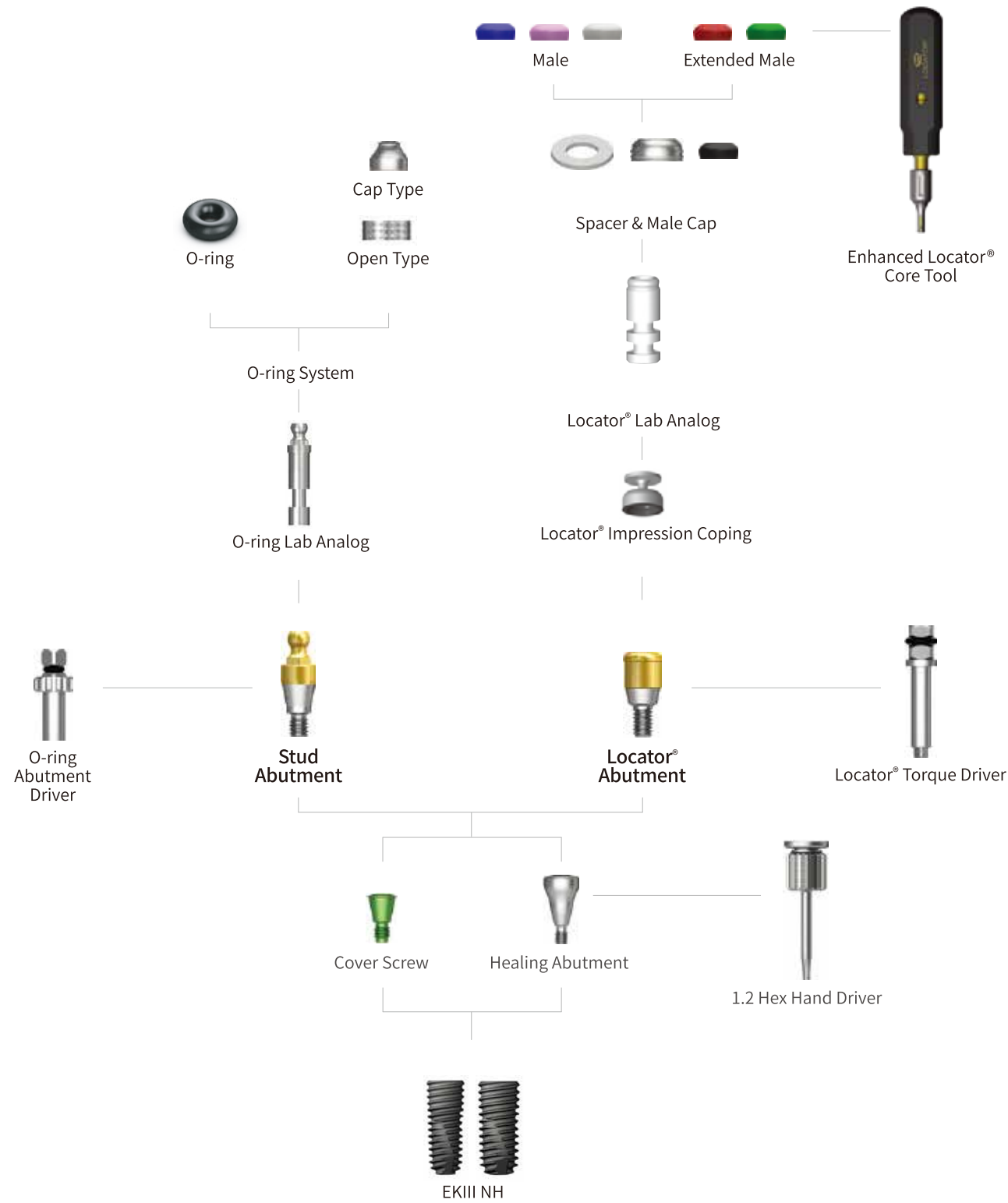
Multi Angled Abutment						
Description			Image/Guide			
<ul style="list-style-type: none"> <li>Screw-retained prosthesis for multiple prosthetic options</li> <li>Shares the same platform as the multi-angled abutment</li> <li>Restorative components: US esthetic low cylinder (regular/non-hex)</li> <li>Torque using multi abutment outer driver (HMAOD)</li> <li>The gingival height is 0.5mm higher when engaged in Ø3.5 implant .</li> <li>Recommended torque for tightening: 30Ncm</li> <li>Packaging unit includes abutment and carrier</li> </ul>  <p>EK products have a cylinder at the bottom</p>						
Angle	<b>17°</b>			<b>30°</b>		
G/H	2.5	3.0	4.0	3.5	4.0	5.0
						
<b>D Ø4.8</b>	EK17MA4820TH	EK17MA4830TH	EK17MA4840TH	EK30MA4830TH	EK30MA4840TH	EK30MA4850TH

※ Multi Angled Abutment 30° is currently unavailable

**HIOSSEN**  
IMPLANT



PROSTHETIC FLOW DIAGRAM 5  
**Stud/Locator®**  
 Overdenture



# Stud Abutment

Multi Abutment						
Description	Image/Guide					
<ul style="list-style-type: none"> <li>Retains overdenture with O-ring system</li> <li>Angle compensation up to 20°</li> <li>Torque using O-ring driver (code: HAORD)</li> <li>Recommended tightening torque: 30Ncm (mini/regular)</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 <a href="#">page 77</a></p>	<p>EK products are marked with "K".</p>					
G/H	1.0	2.0	3.0	4.0	5.0	6.0
<p><b>D Ø3.5</b></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 Anchors abutment</li> <li>Angle compensation up to 40°</li> <li>1.5mm lower profile with various attachments for stable retention force</li> <li>Torque using a Locator Outer Driver (code: TWLDSK/TWLDSK)</li> <li>Recommended tightening torque: 30Ncm</li> </ul>						
G/H	1.0	2.0	3.0	4.0	5.0	6.0
<b>D 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>	
	LMPS

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

Locator® Extended Replacement Male	
Description	Image/Item code
<ul style="list-style-type: none"> <li>Retention force: approx. 6N</li> <li>Angle compensation up to 20-40°</li> <li>Packing unit: 4ea</li> </ul>	 LEM06S
<ul style="list-style-type: none"> <li>Retention force: approx. 12N</li> <li>Angle compensation up to 20-40°</li> <li>Packing unit: 4ea</li> </ul>	 LEM12S

# 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>	 LAL40S

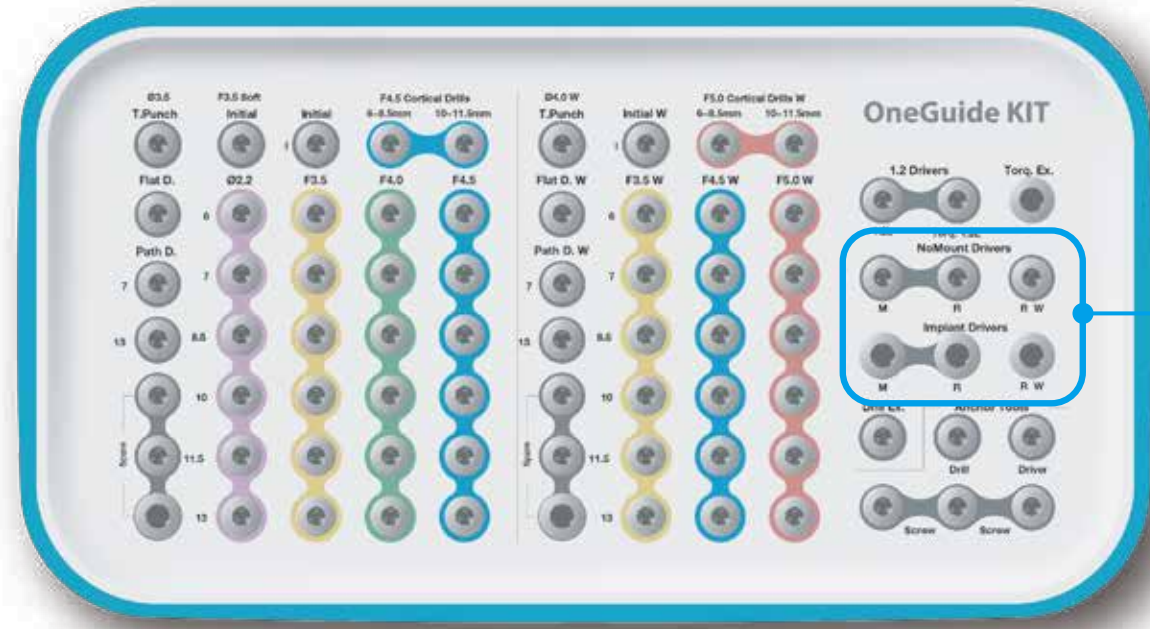
Locator® Core Tool	
Description	Image/Item code
<ul style="list-style-type: none"> <li>Places and removes nylon retentive males in the denture cap</li> <li>Divides into three separate tools: includes a hand driver for locator abutment</li> </ul>	 LCCT

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

# EK OneGuide Kit

Code: HKOGK

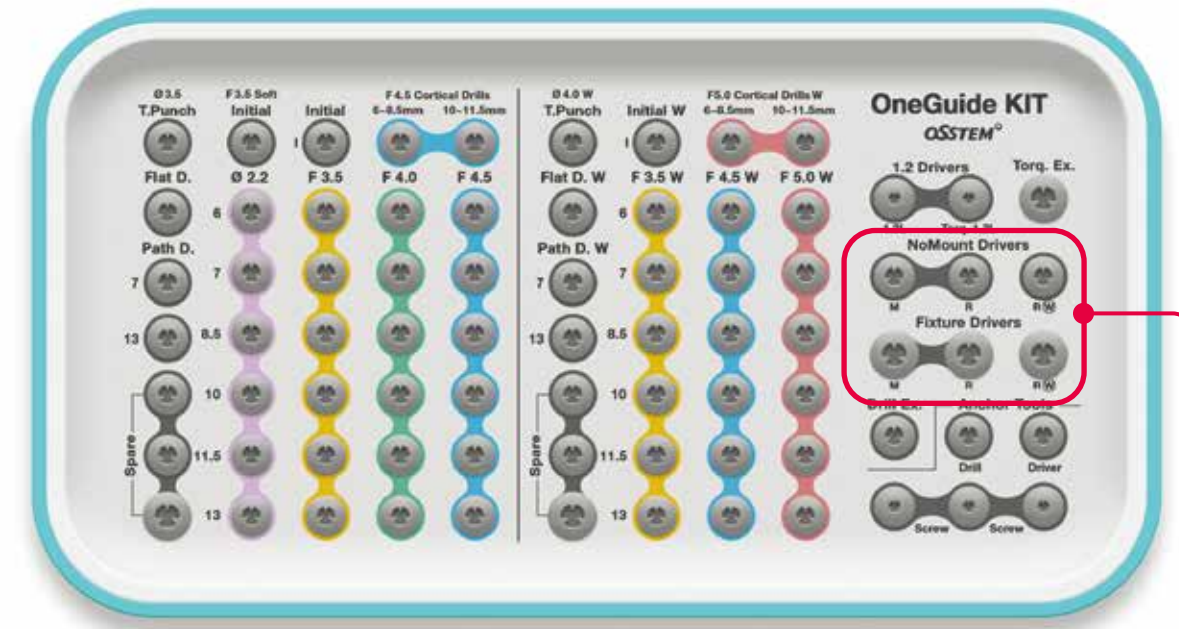
EK Drivers



ET Drivers

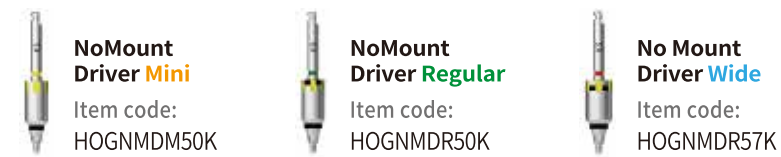
# ET OneGuide Kit

Code: HOGK

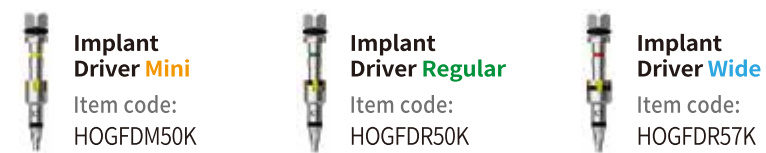


## EK

### NoMount Drivers

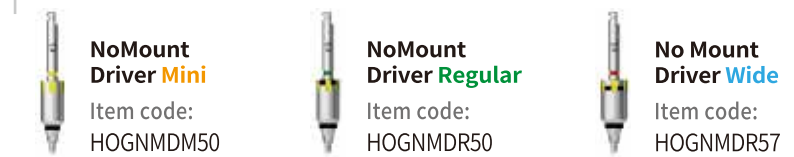


### Implant Drivers

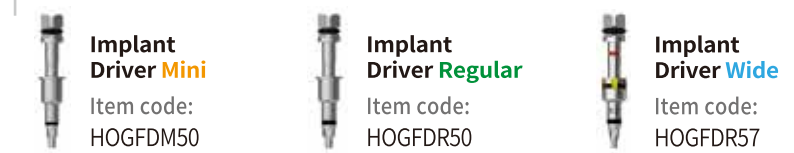


## ET

### NoMount Drivers



### Implant Drivers

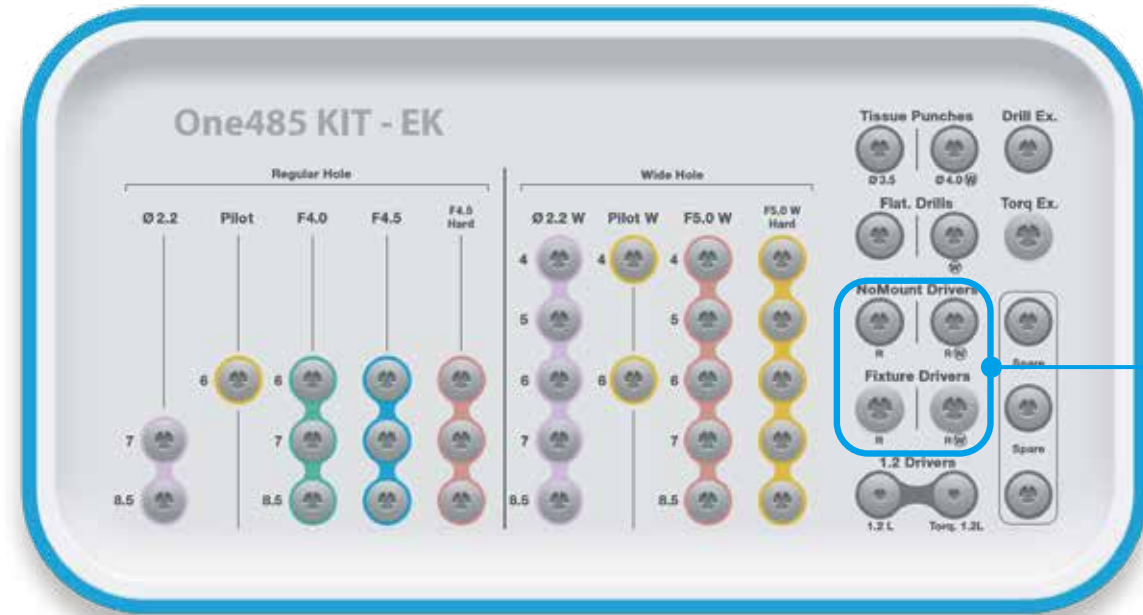




# EK One485 Kit

Code: HKO485K

## EK Drivers



## EK

### NoMount Drivers



**NoMount Driver Regular**  
Item code: HOGNMDR50K



**NoMount Driver Wide**  
Item code: HOGNMDR57K

### Implant Drivers



**Implant Driver Regular**  
Item code: HOGFDR50K

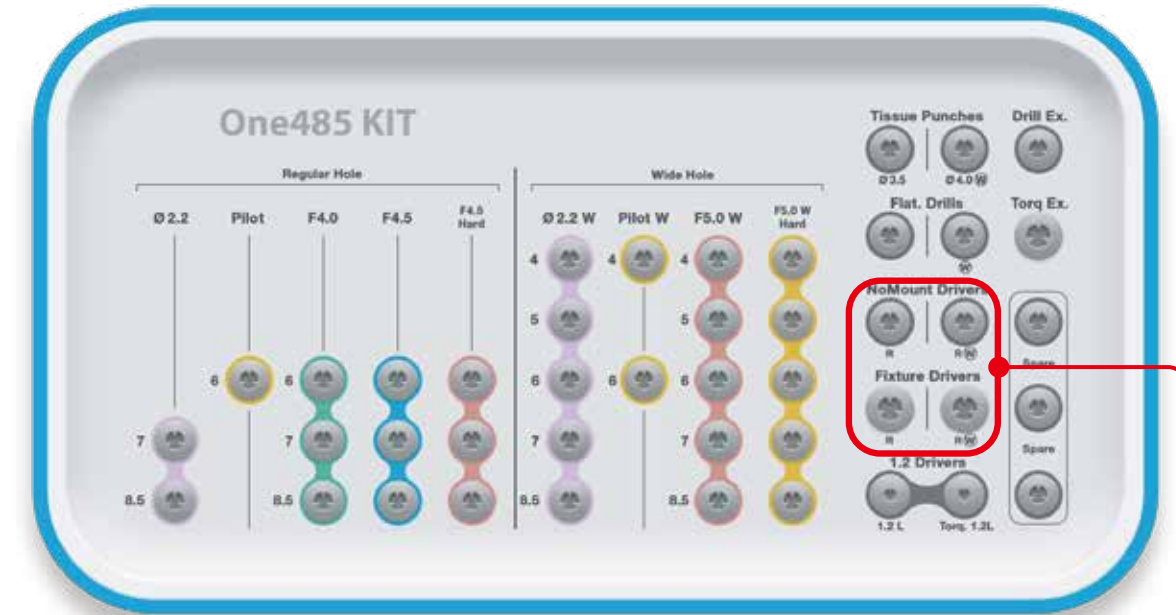


**Implant Driver Wide**  
Item code: HOGFDR57K

# One485 Kit

Code: HO485K

## ET Drivers



## ET

### NoMount Drivers



**NoMount Driver Regular**  
Item code: HOGNMDR50



**NoMount Driver Wide**  
Item code: HOGNMDR57

### Implant Drivers



**Implant Driver Regular**  
Item code: HOGFDR50



**Implant Driver Wide**  
Item code: HOGFDR57

# 122 Taper Kit

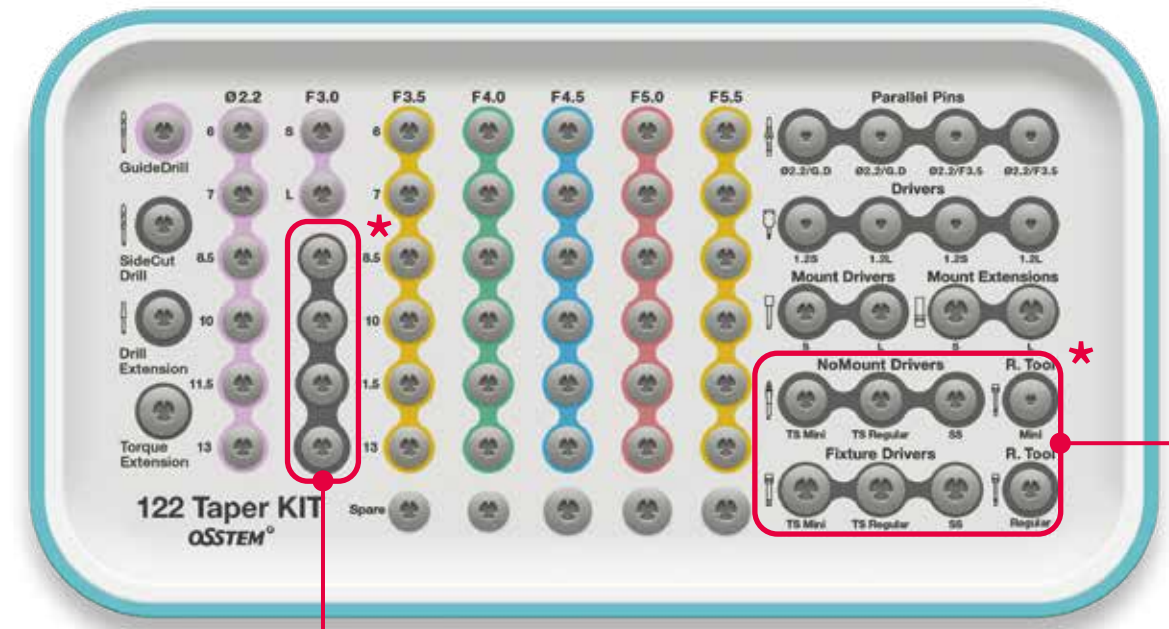
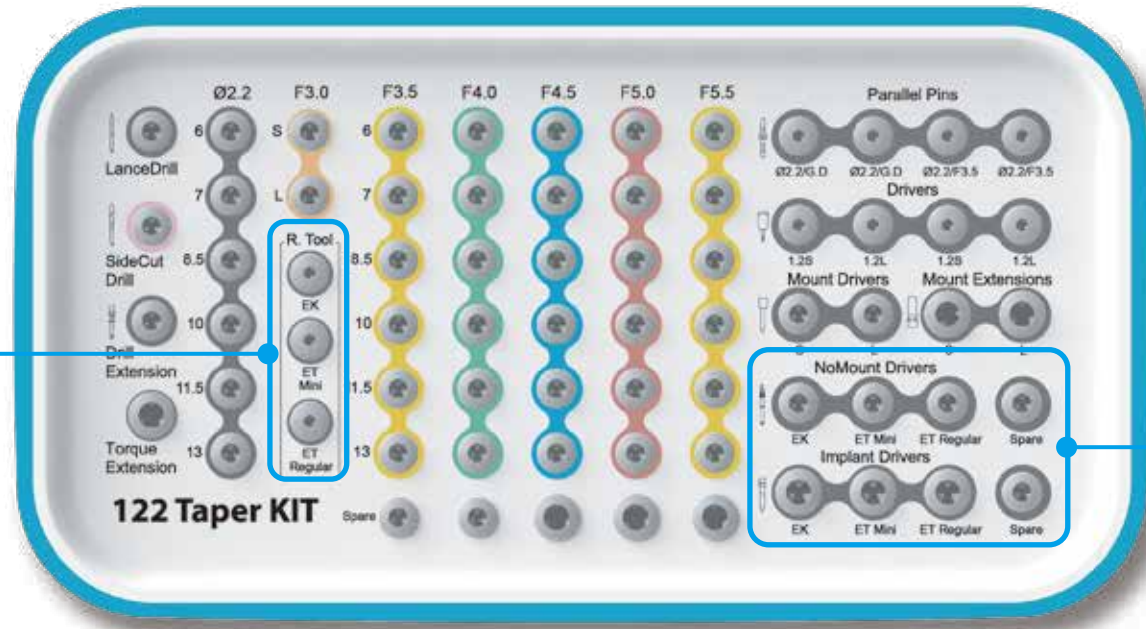
Code: HK122TPK

## EK/ET Drivers

## ET/SS Drivers

# 122 Taper Kit

Code: O122TPK

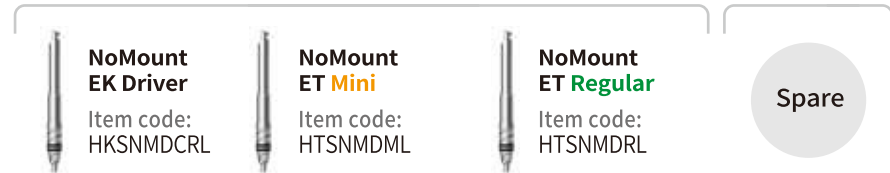


### R. Tool

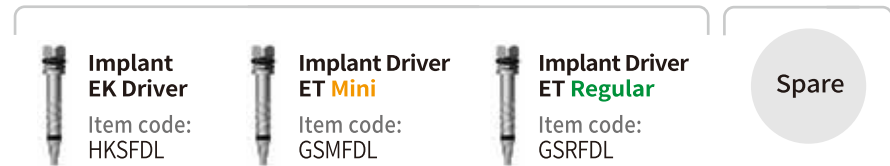


### EK | ET

#### NoMount Drivers



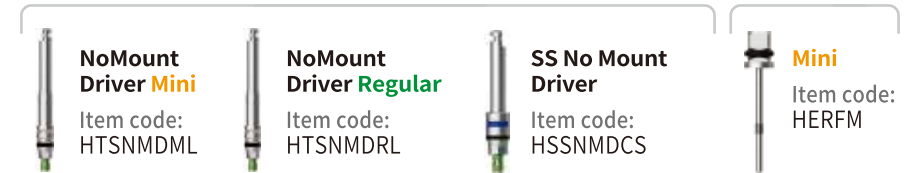
#### Implant Drivers



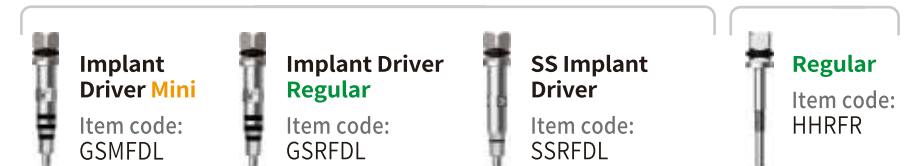
### ET | SS

### R. Tool

#### NoMount Drivers

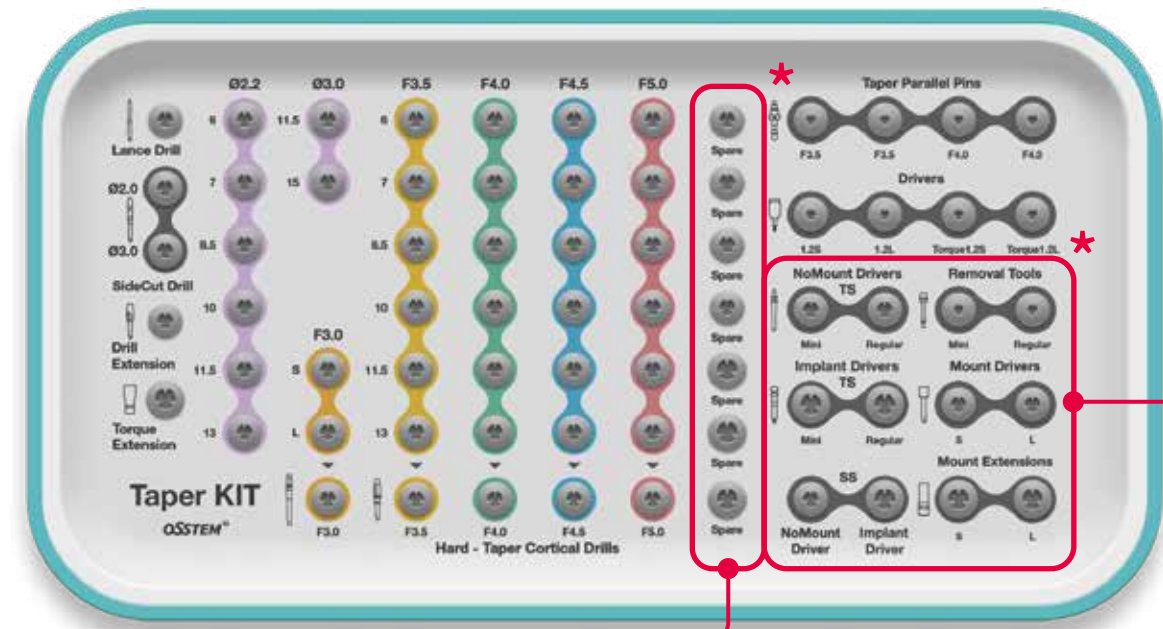
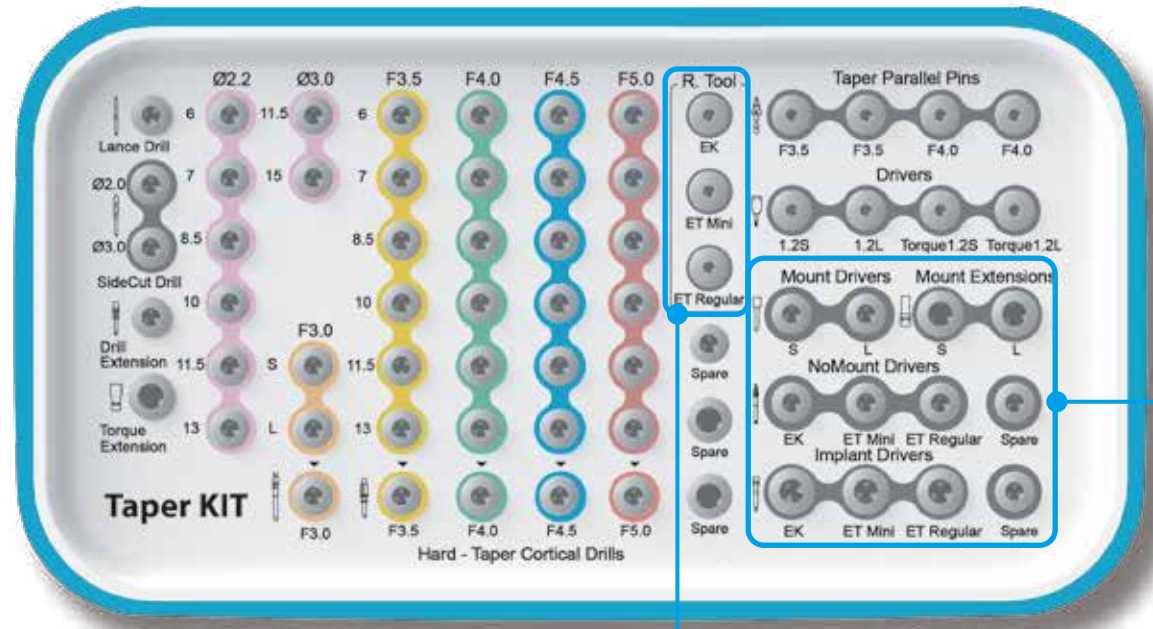


#### Implant Drivers



\* For customers with non-EK Kits (Old Kits) without additional spare slots, please replace components in red with EK components in blue





### R. Tool

- EK**  
Item code: HKRFR
- ET Mini**  
Item code: HERFM
- ET Regular**  
Item code: HHRFR

### EK/ET

Mount Drivers		Mount Extensions	
<b>Mount Driver Short</b> Item code: HASMDS	<b>Mount Drive Long</b> Item code: HASMDL	<b>Mount Extension Short</b> Item code: HASMES	<b>Mount Extension Long</b> Item code: HASMEL
NoMount Drivers			
<b>EK NoMount Driver</b> Item code: HKSNDCL	<b>ET Mini NoMount Driver</b> Item code: HTSNMDL	<b>ET Regular NoMount Driver</b> Item code: HTSNMDRL	Spare
Implant Drivers			
<b>EK Implant Driver</b> Item code: HKSFDL	<b>ET Mini Implant Driver</b> Item code: GSMFDL	<b>ET Regular Implant Driver</b> Item code: GSRFDL	Spare

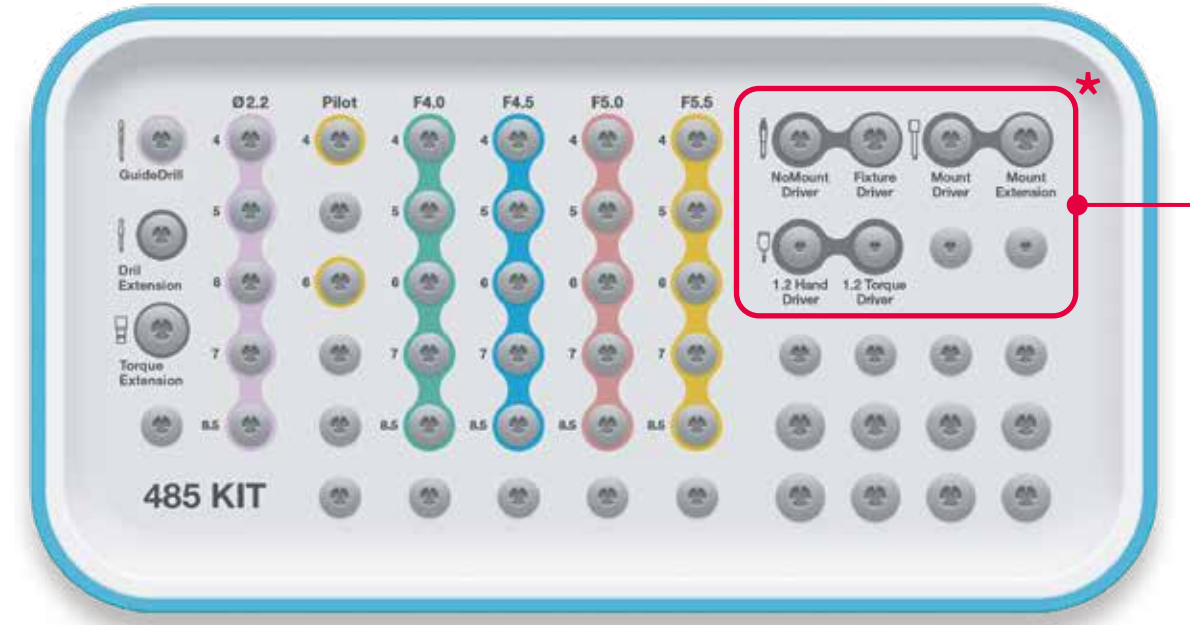
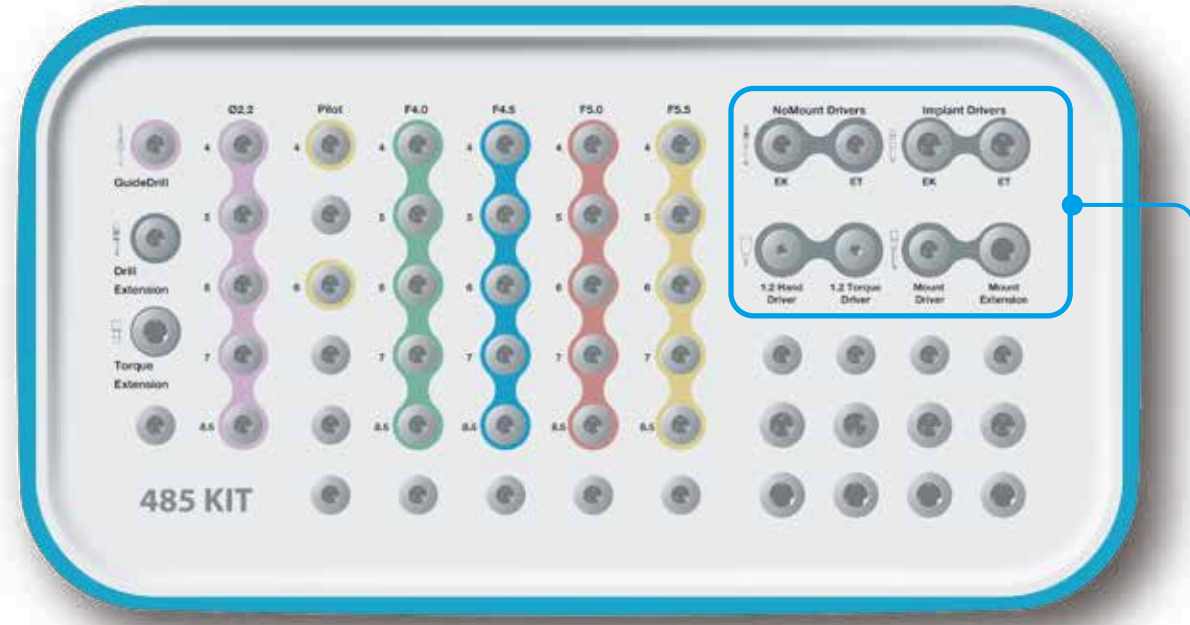
- Spare
- Spare
- Spare
- Spare
- Spare
- Spare
- Spare

### ET/SS









NoMount Drivers			
<b>NoMount Driver Mini</b> Item code: HTSNMDML	<b>NoMount Driver Regular</b> Item code: HTSNMDRL	<b>Remover Tool Mini</b> Item code: HERFM	<b>Remover Tool Regular</b> Item code: HHRFR
Implant Drivers			
<b>Implant Driver Mini</b> Item code: GSMFDL	<b>Implant Driver Regular</b> Item code: GSRFDL	<b>Simple Mount Short</b> Item code: HASMDS	<b>Simple Mount Long</b> Item code: HASMDL
SS			
<b>SS No Mount Driver</b> Item code: HSSNDMS	<b>SS Implant Driver</b> Item code: SSRFDL	<b>Simple Mount Short</b> Item code: HASMES	<b>Simple Mount Long</b> Item code: HASMEL

\* For customers with non-EK Kits (Old Kits) without additional spare slots, please replace components in red with EK components in blue













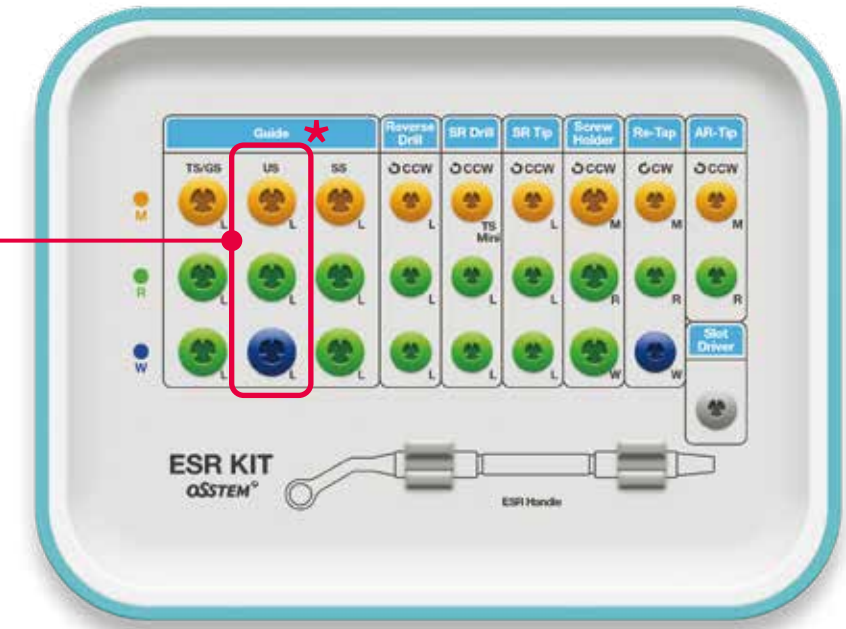
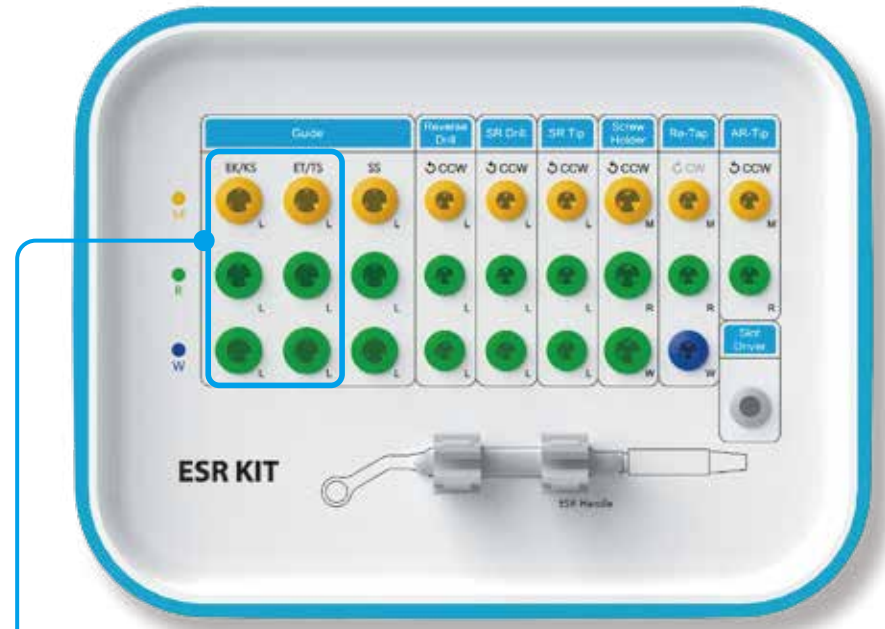
### EK/ET




NoMount Drivers		Implant Drivers	
 <b>NoMount EK Driver Regular</b> Item code: HKSNDRCRL	 <b>NoMount ET Driver Regular</b> Item code: HTSNMDCRL	 <b>Implant EK Driver Regular</b> Item code: HKSF DL	 <b>Implant ET Driver Regular</b> Item code: GSRFDL
 <b>Hand Driver</b> Item code: HAHD12LH	 <b>Torque Driver</b> Item code: HTRHD12L	 <b>Simple Mount Driver</b> Item code: HASMDL	 <b>Simple Mount Extension</b> Item code: HASMEL



### ET

 <b>NoMount Driver Regular</b> Item code: HTSNMDCRL	 <b>Implant Driver Regular</b> Item code: GSRFDL	 <b>Simple Mount Driver</b> Item code: HASMDL	 <b>Simple Mount Extension</b> Item code: HASMEL
 <b>Hand Driver</b> Item code: HAHD12LH	 <b>Torque Driver</b> Item code: HTRHD12L	 <b>Spare</b>	 <b>Spare</b>

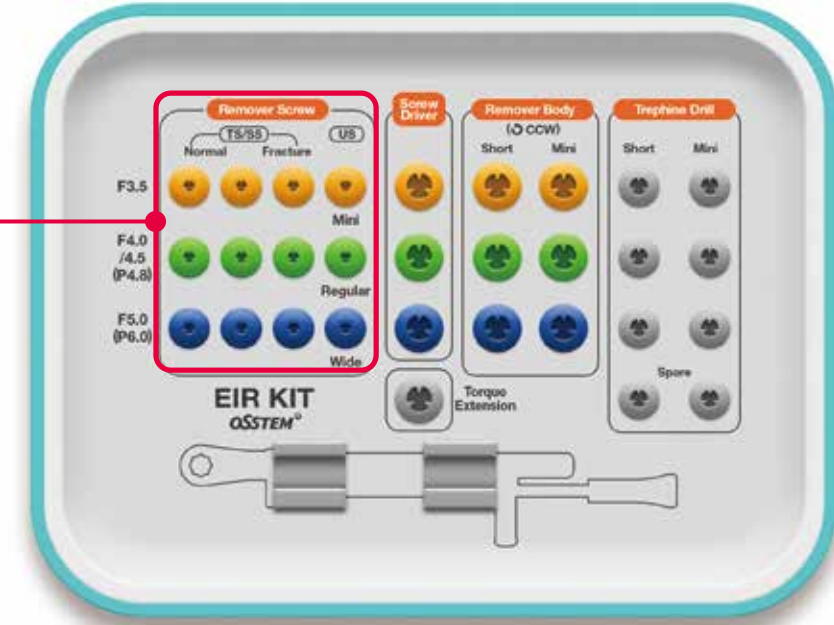
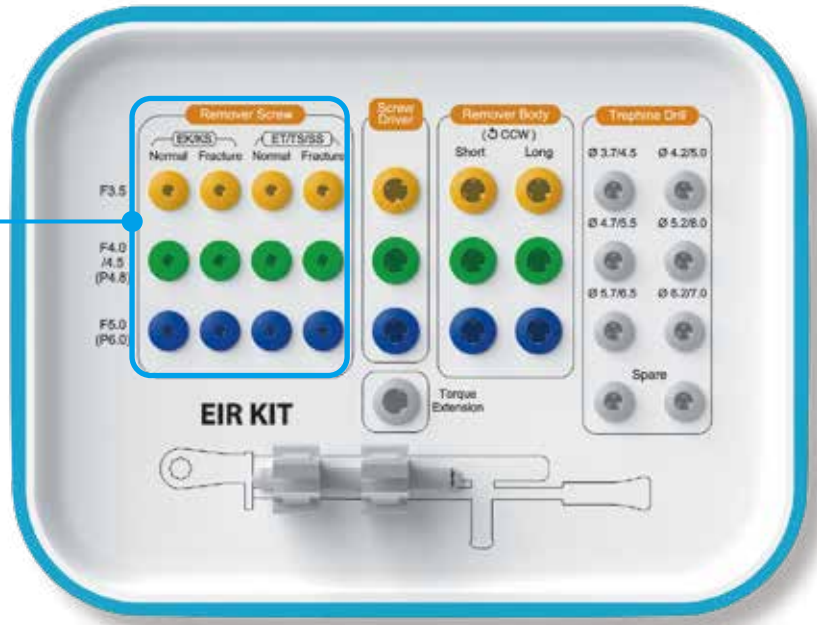
\* For customers with non-EK Kits (Old Kits) without additional spare slots, please replace components in red with EK components in blue



EK		ET	
<b>Guide</b>			
Spare	 <b>ET Mini Guide</b> Item code: HOGTML	 <b>ET Regular Guide</b> Item code: HOGTRL	Spare
 <b>EK Regular Guide</b> Item code: HKGRL	Spare	Spare	Spare

ET
<b>Guide</b>
 <b>ET Mini Guide</b> Item code: HOGTML
 <b>ET Regular Guide</b> Item code: HOGTRL
Spare

\* For customers with non-EK Kits (Old Kits) without additional spare slots, please replace components in red with EK components in blue















**EK**

**ET**










**Remover Screws**

**Remover Screws**

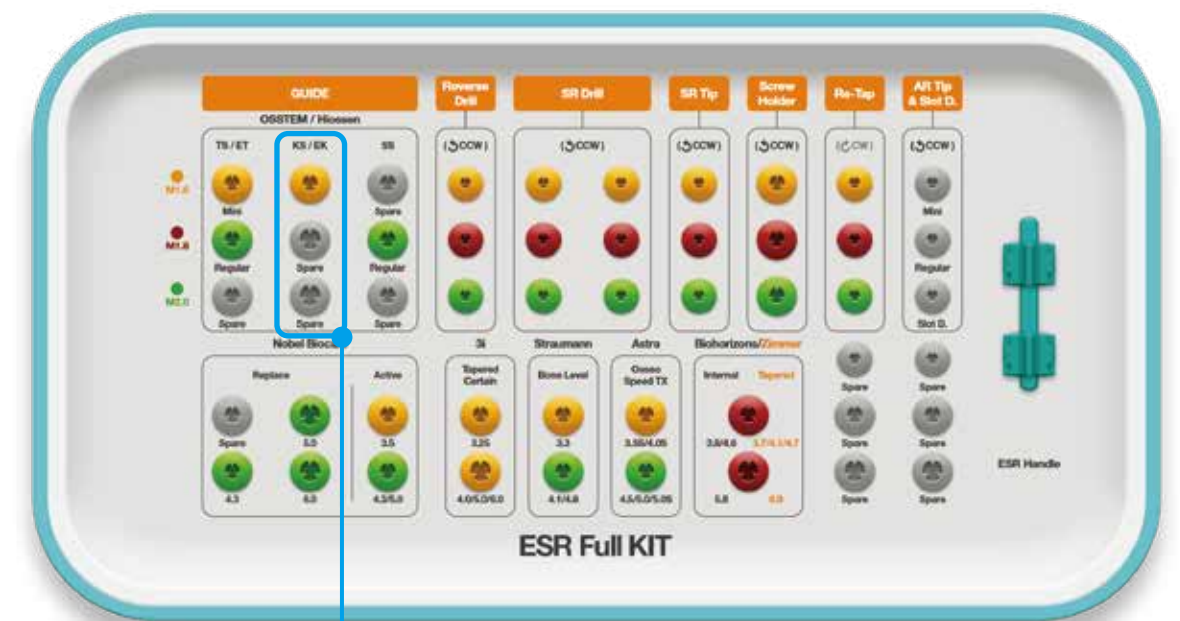
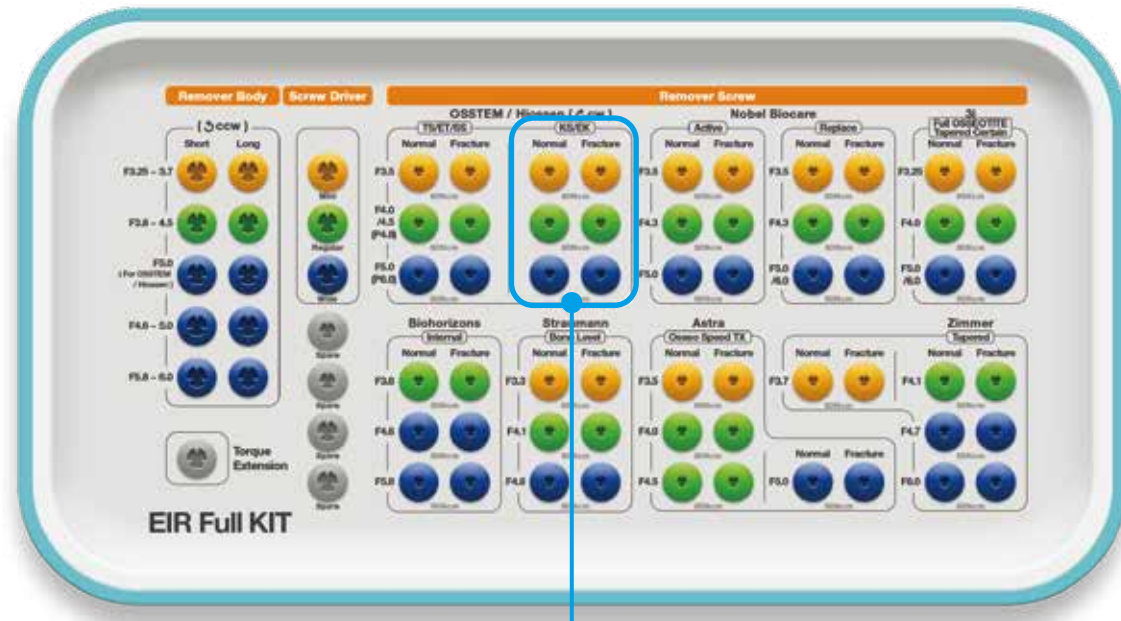
 <b>Normal Remover Screw Mini</b> Item code: HKSFRSM35	 <b>Fracture Remover Screw Mini</b> Item code: HKSFRSM35F	 <b>Normal Remover Screw Mini</b> Item code: HFRSM35	 <b>Fracture Remover Screw Mini</b> Item code: HFRSM35F
 <b>Normal Remover Screw Regular</b> Item code: HKSFRSR40	 <b>Fracture Remover Screw Regular</b> Item code: HKSFRSR40F	 <b>Normal Remover Screw Regular</b> Item code: HFRSR40	 <b>Fracture Remover Screw Regular</b> Item code: HFRSR40F
 <b>Normal Remover Screw Wide</b> Item code: HKSFRSW50	 <b>Fracture Remover Screw Wide</b> Item code: HKSFRSW50F	 <b>Normal Remover Screw Wide</b> Item code: HFRSW50	 <b>Fracture Remover Screw Wide</b> Item code: HFRSW50F

**ET**

**Normal Remover**







 <b>Normal Remover Screw Mini</b> Item code: HFRSM35	 <b>Normal Remover Screw Mini</b> Item code: HFRSM35	 <b>Normal Remover Screw Mini</b> Item code: HFRSM35F
 <b>Normal Remover Screw Regular</b> Item code: HFRSR40	 <b>Normal Remover Screw Regular</b> Item code: HFRSR40	 <b>Normal Remover Screw Regular</b> Item code: HFRSR40F
 <b>Normal Remover Screw Wide</b> Item code: HFRSW50	 <b>Normal Remover Screw Wide</b> Item code: HFRSW50	 <b>Normal Remover Screw Wide</b> Item code: HFRSW50F






### EK/KS

#### Remove Screws

 <b>Normal Remove Screw Mini</b> Item code: HKSFRSM35	 <b>Fracture Remove Screw Mini</b> Item code: HKSFRSM35F
 <b>Normal Remove Screw Regular</b> Item code: HKSFRSR40	 <b>Fracture Remove Screw Regular</b> Item code: HKSFRSR40F
 <b>Normal Remove Screw Wide</b> Item code: HKSFRSW50	 <b>Fracture Remove Screw Wide</b> Item code: HKSFRSW50F

### EK

#### Guide

 <b>EK Regular Guide</b> Item code: HKGRL
Spare
Spare



### EK Scan Body

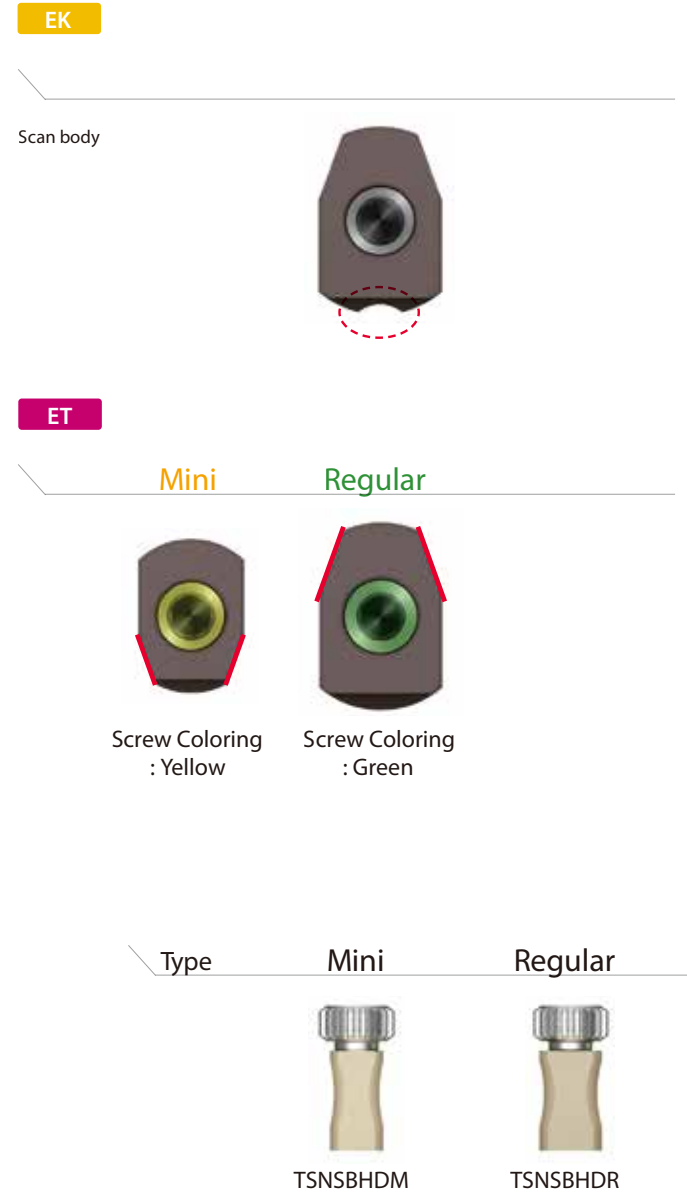
- Tighten with a 1.2 hex driver
- 1.2 hex driver
- Packing unit : scan body + Ti screw

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



### Scan Body Guide

- Scan body (intraoral) System



### Scan Body Holding Driver

- Scan body (intraoral) driver
- EK, ET
- Mini : ET Mini
- Regular : EK ET Regular

### Digital Lab Analog (EK, ET)

- Lab analog color for convenient specification differentiation
- Packing unit : digital lab analog + screw

EK

For Ø3.0 / 3.5



KSDLA 350



KSDLA 400

ET

Mini Ø3.0

Mini Ø3.5

Regular

Multi Abt



TSDLA 300



TSDLA 350



TSDLA 400



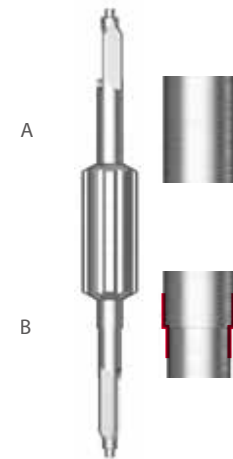
TSMDLA

### Reamer Drill

- Used for insertion and adjustment of 3D printed prosthetic models

• DLARDR	Type	A	B
	EK	Ø4.0	Ø3.5
	ET	Regular / Multi	Mini

• DLARDM300	Type	
	ET	Ø3.0



DLARDR



DLARDM300

### Positioning Jig

- Insert lab analog into the prosthetic model in the Hex orientation
- Use EK, ET without distinguishing the connection type
- TSMDLAPJ : Digital lab analog for multi abutment (TSMDLA)

EK



KSDLAPJ

ET



GSDLAPJ



TSMDLAPJ

### Screw Bulk

- Lab analog

### Screw Bulk (10ea)



TSDLASB

### EK Pre-Milled Abutment

- Fabricate custom abutments using milling machine
- Superior tightening precision compared to non-genuine products
- Wide range of dedicated milling machine lineup from manufacturers
- Recommended tightening torque: 30Ncm
- Packing unit : abutment + Ti screw

Abutment + screw    order code  
 : product code + TH (ex : KSPM10AR TH)



Milling Machine	D	Specification	Item Code
ARUM Imes-icore Dental plus	Ø 10	Hex	KSPM 10ARTH
		Non-Hex	KSPM 10ARNTH
	Ø 14	Hex	KSPM 14ARTH
		Non-Hex	KSPM 14ARNTH
Cameleon	Ø 10	Hex	KSPM 10CATH
		Non-Hex	KSPM 10CANTH
	Ø 14	Hex	KSPM 14CATH
		Non-Hex	KSPM 14CANTH
Zirkonzahn	Ø 10	Hex	KSPM 10ZKTH
		Non-Hex	KSPM 10ZKNTH
	Ø 14	Hex	KSPM 14ZKTH
		Non-Hex	KSPM 14ZKNTH
Manix	Ø 10	Hex	KSPM 10MXTH
		Non-Hex	KSPM 10MXNTH
	Ø 14	Hex	KSPM 14MXTH
		Non-Hex	KSPM 14MXNTH

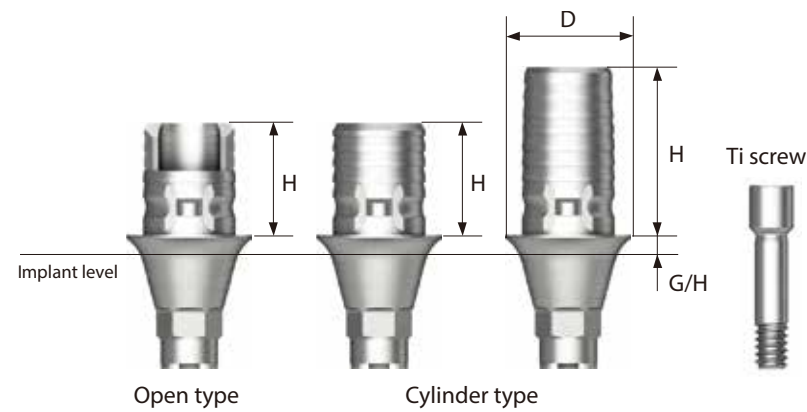
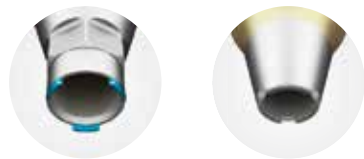
# Digital Prosthetics

## Link Abutment (for public / Cerec)

### EK Link Abutment for Public

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

Abutment + screw order code  
: product code + TH (ex : KSPL4041 TH)



D Ø4.5



		H \ G/H			
		Type			
		1.0	2.0	3.0	4.0
Hex	4.0 Open Type	KSPL 4541	KSPL 4542	KSPL 4543	KSPL 4544
	4.0 Cylinder Type	KSPL 4541C	KSPL 4542C	KSPL 4543C	KSPL 4544C
	6.0 Cylinder Type	KSPL 4561	KSPL 4562	KSPL 4563	KSPL 4564
Non-Hex	4.0 Open Type	KSPL 4541N	KSPL 4542N	KSPL 4543N	KSPL 4544N
	4.0 Cylinder Type	KSPL 4541CN	KSPL 4542CN	KSPL 4543CN	KSPL 4544CN
	6.0 Cylinder Type	KSPL 4561N	KSPL 4562N	KSPL 4563N	KSPL 4564N

D Ø4.0



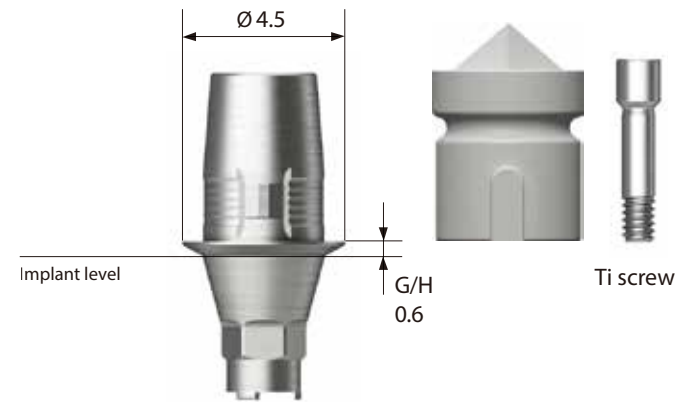
		H \ G/H			
		Type			
		1.0	2.0	3.0	4.0
Hex	4.0 Open Type	KSPL 4041	KSPL 4042	KSPL 4043	KSPL 4044
	4.0 Cylinder Type	KSPL 4041C	KSPL 4042C	KSPL 4043C	KSPL 4044C
	6.0 Cylinder Type	KSPL 4061	KSPL 4062	KSPL 4063	KSPL 4064
Non-Hex	4.0 Open Type	KSPL 4041N	KSPL 4042N	KSPL 4043N	KSPL 4044N
	4.0 Cylinder Type	KSPL 4041CN	KSPL 4042CN	KSPL 4043CN	KSPL 4044CN
	6.0 Cylinder Type	KSPL 4061N	KSPL 4062N	KSPL 4063N	KSPL 4064N



## EK Link Abutment for Cerec

- Abutment for producing cement-retained/combination/ screw-retained prosthesis
- Used for producing Ti + Zr custom abutment with Cerec CAD/CAM equipment
- Tighten with a 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : abutment + Ti screw + scan body

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



Type

Hex

Non-Hex



KSC TB



KSC TBN

**HIOSSEN**  
IMPLANT

## EK Cerec Scan Post

- Use for minimal vertical exposure of scan body in Cerec Link Abutment (In cases of deep implant placement or thick soft tissue)
- Secure dedicated scan body for Cerec Link Abutment for scanning
- Tightened with a 1.2 hex driver
- Packing unit : scan post + Ti screw

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



# HIOSSEN IMPLANT

Smiles that last a life time

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