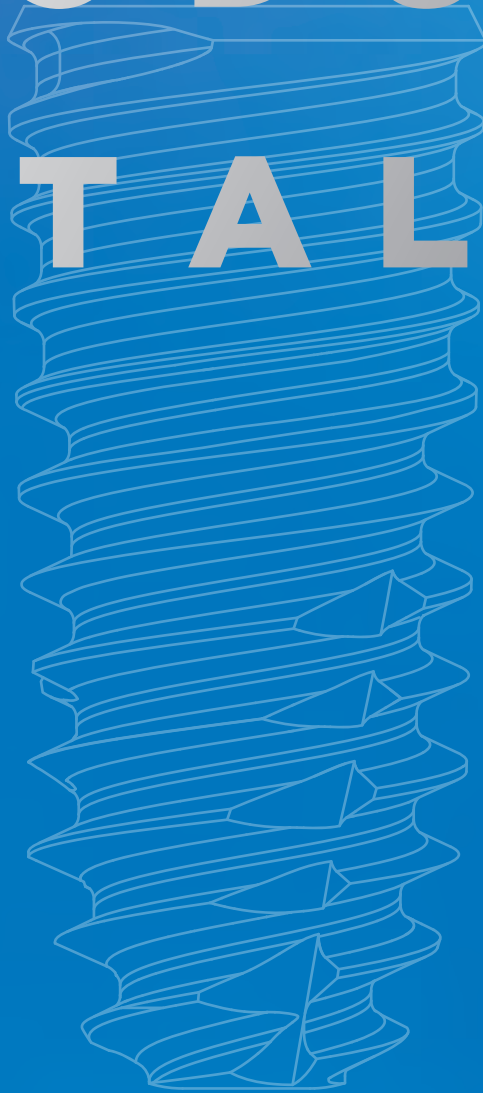


PRODUCT  
CATALOG



**G•D•FF**  
GENUINE DIFFERENCE

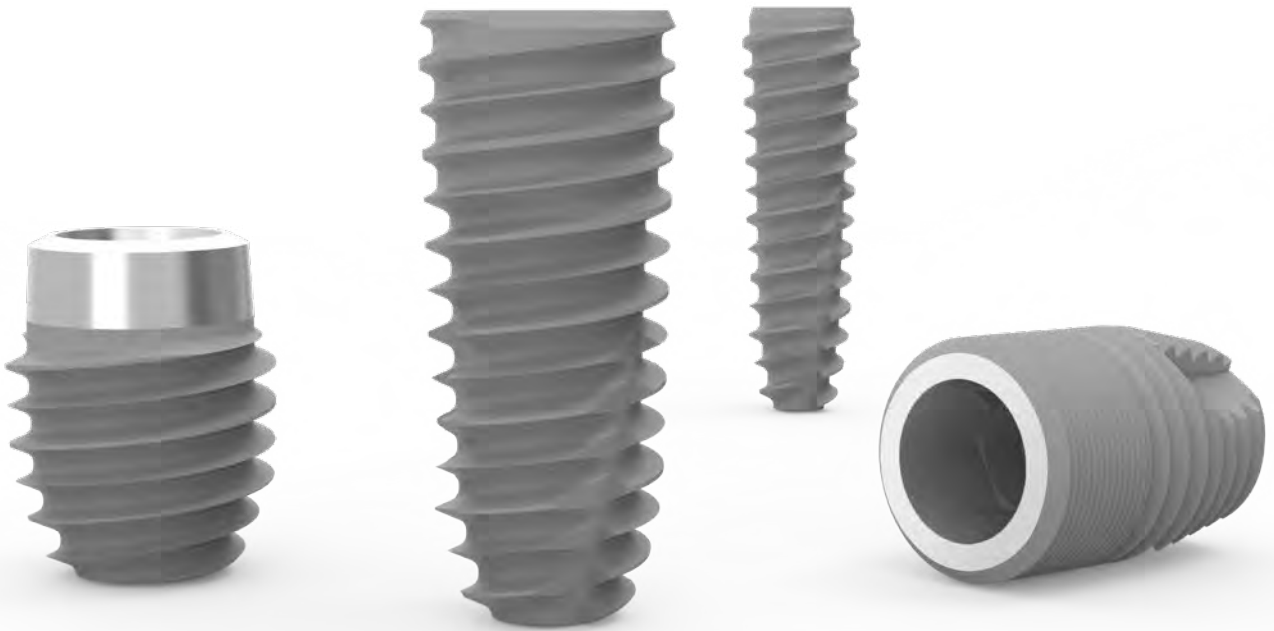


---

**ACH Medical Co., Ltd.**  
28, Namyang-ro 930beon-gil,  
Namyang-eup, Hwaseong-si, Gyeonggi-do, Rep.of Korea, 18255  
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# G<sup>o</sup>D<sup>iff</sup>FF

GENUINE DIFFERENCE



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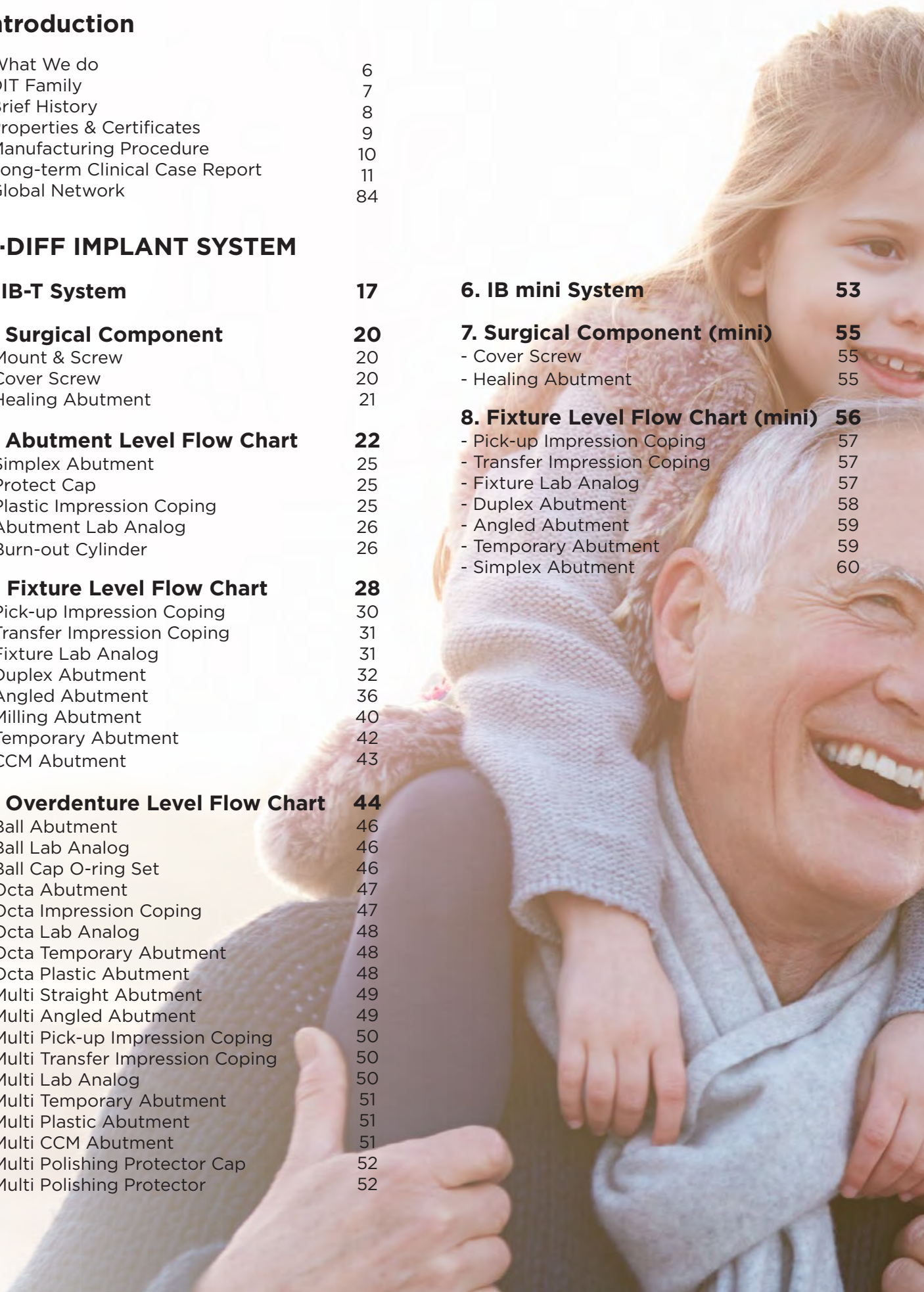
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# ACH Medical What We Do



**DENTAL IMPLANTS  
SYSTEM**



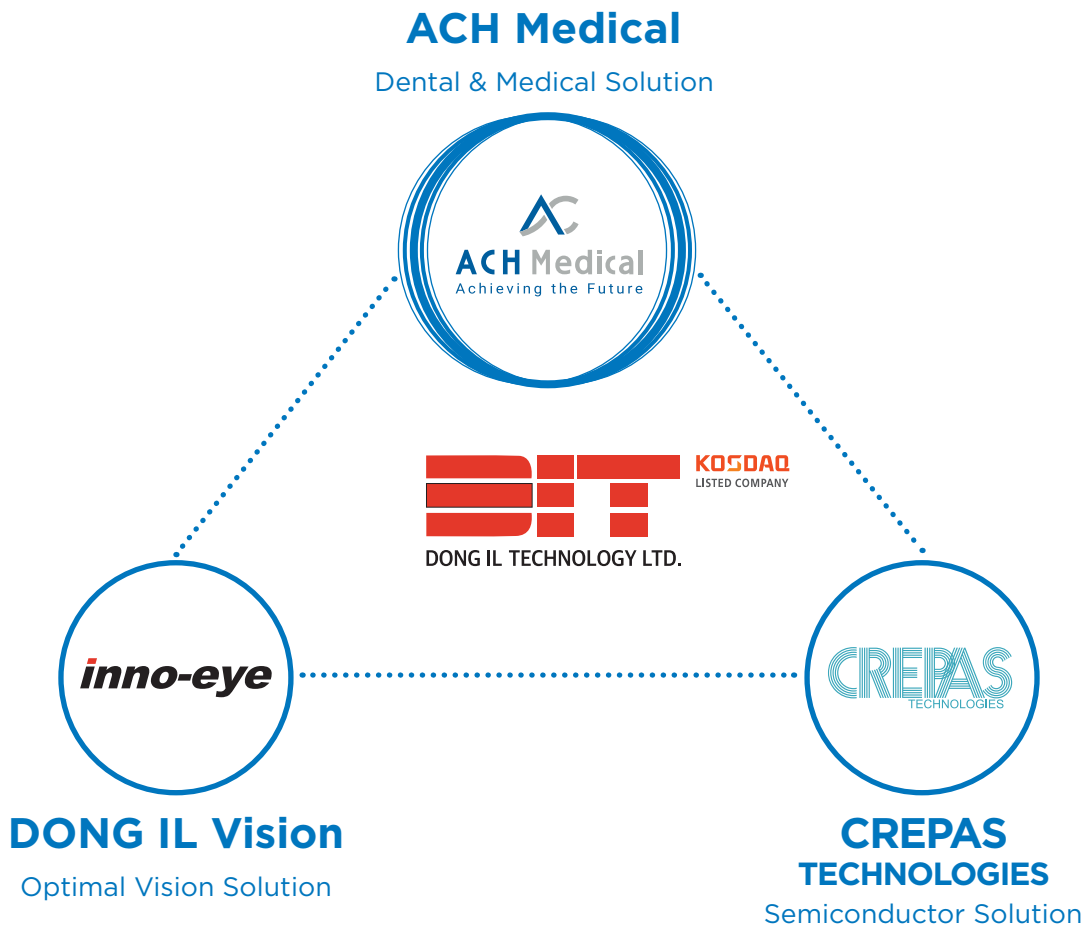
**MEDICAL INSTRUMENT  
SYSTEM**

**ACH Medical Co., Ltd is an established manufacturer of premium products for dental and medical devices. Since its establishment in 2008, ACH Medical has desired to keep people well by supporting clinicians through high quality products and services.**

Our first priority is quality assurance to satisfy all our customer`s demands. We also guarantee to keep developing more advanced products in collaboration with global research institutes and universities.

We are pursuing a reliable company that provides innovative products and services to improve patient`s health.

# INTRODUCTION DIT FAMILY



DIT was founded in 1986, the sense of mission has enabled DIT to grow from a modest beginning to become a world leader in EMI/EMC solutions. In line with on-going technological evolution, DIT has been expanding its product line-up and market reach, investing heavily in R&D and modernizing production facilities.



# ACH MEDICAL

## Brief History

- 2008.04** Established Biogenesis Co., Ltd.
- 2009.04** Certified 160 kinds dental implant prosthetic components, Approval of Manufacturing from KFDA  
**09** Designated as venture business (No. 20090108770)  
CE Mark certified (Medical devices Class IIb)
- 2010.02** Registered dental implant surgical instrument sales
- 2011.03** Certified as R&D center affiliated company (No. 2011110466)  
**06** Designated as promising small and medium sized business by Gyeongnam small and medium size biz admin. dept.
- 2012.04** Registered Kisses dental implant system completed with S.L.A surface treatment  
**08** Certified manufacturing of medical device and good quality management
- 2013.01** Certified Technical Innovation Business (INNO-BIZ)  
**02** Developed New Fixture Ampule (Pre-mount, No-mount type)  
**03** FDA certified
- 2014.02** ACH Medical Co., Ltd. established and acquired Biogenesis Co., Ltd.
- 2016.09** Decided to enter the Laparoscopic surgery instruments business
- 2017.10** Certified Venture Business by KOSME(Korea SME's and Startups Agency)
- 2018.03** Designated as IP STAR corp. by Gyeonggi-do RIPC (Regional Intellectual Property Center)  
**08** Launched Laparoscopic surgical instruments in Korea
- 2019.04** ISO 13485 ; 2016 certified  
**06** Launched GDIFF as new dental brand  
Launched NEXSURG as new medical brand
- 2020.04** ACH Medical™, GDIFF™, NEXSURG™ are registered internationally as trademark (Rep. of Korea, U.S.A, EU, Russia, India, China, Taiwan, Japan)

# Intellectual Properties & Certificates



CE 2292



FDA



ISO 13485



Certificate of Manufacturer



Venture Business



Global IP star



Patent  
Drill for Operating Implant



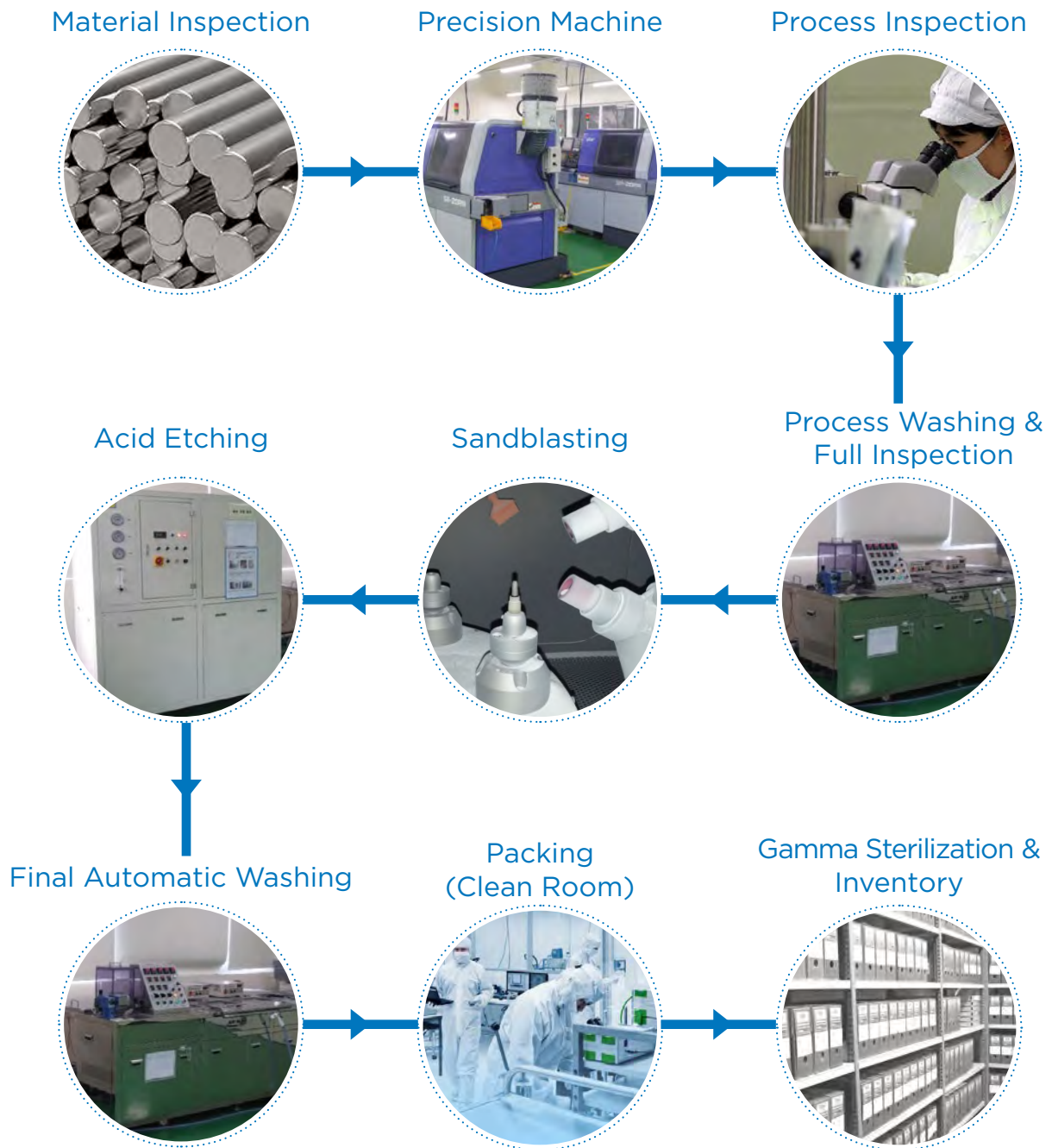
Patent  
Dental Implant Fixture



Patent  
Dental Implant Package

# Manufacturing Procedure

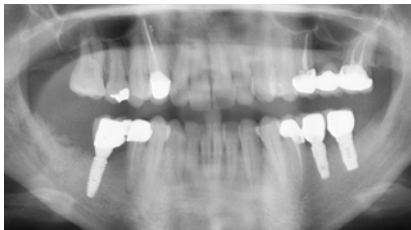
Ensuring we deliver high quality products to our customers, we keep high quality standards for our products and services.



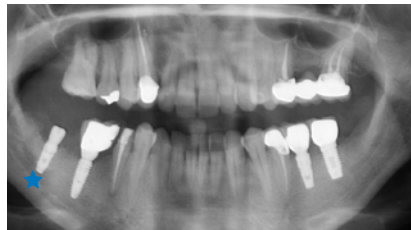
# Long-term Clinical Case

## 8+ Years Report

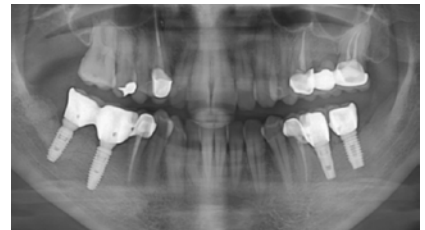
■ Patient Info. : Female, 39years



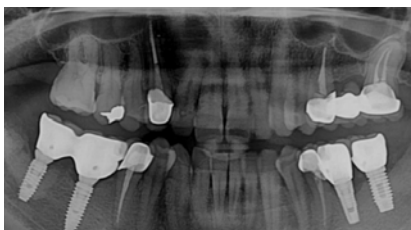
Pre OP  
2012. Sep. 26



Implant placement  
2012. Oct. 10



2 year F/U  
2014. Jul. 14



4 year F/U  
2016. Jul. 04



6 year F/U  
2018. Apr. 05



8 year F/U  
2020. May. 20

■ Patient Info. : Female, 53years



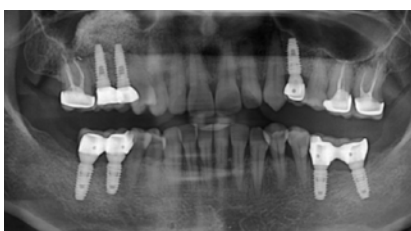
Pre OP  
2012. Aug. 17



Implant placement  
2012. Sep. 14



Final Prosthetic  
2013. Jan. 29



2 year F/U  
2014. Nov. 05



5 year F/U  
2017. Dec. 12










8 year F/U  
2020. Apr. 06











# G-DIFF SYSTEM INDEXING

## IB-T System

 <p><b>17</b> IB-T Fixture</p>	 <p><b>20</b> Mount &amp; Screw</p>	 <p><b>20</b> Cover Screw</p>	 <p><b>21</b> Healing Abutment</p>
 <p><b>23</b> Simplex Abutment</p>	 <p><b>25</b> Protect Cap</p>	 <p><b>25</b> Plastic Impression Coping</p>	 <p><b>26</b> Abutment Lab Analog</p>
 <p><b>26</b> Burn-out Cylinder</p>	 <p><b>30</b> Pick-up Impression Coping</p>	 <p><b>31</b> Transfer Impression Coping</p>	 <p><b>31</b> Fixture Lab Analog</p>
 <p><b>32</b> Duplex Abutment</p>	 <p><b>36</b> Angled Abutment</p>	 <p><b>40</b> Milling Abutment</p>	 <p><b>42</b> Temporary Abutment</p>
 <p><b>43</b> CCM Abutment</p>	 <p><b>46</b> Ball Abutment</p>	 <p><b>46</b> Ball Lab Analog</p>	 <p><b>46</b> Ball Cap O-ring Set</p>
 <p><b>47</b> Octa Abutment</p>	 <p><b>47</b> Octa Impression Coping</p>	 <p><b>48</b> Octa Lab Analog</p>	 <p><b>48</b> Octa Temporary Abutment</p>
 <p><b>48</b> Octa Plastic Abutment</p>	 <p><b>49</b> Multi Straight Abutment</p>	 <p><b>49</b> Multi Angled Abutment</p>	 <p><b>50</b> Multi Pick-up Impression Coping</p>

 <p><b>50</b> Multi Transfer Impression Coping</p>	 <p><b>50</b> Multi Lab Analog</p>	 <p><b>51</b> Multi Temporary Abutment</p>	 <p><b>51</b> Multi Plastic Abutment</p>
 <p><b>51</b> Multi CCM Abutment</p>	 <p><b>52</b> Multi Protect Cap</p>	 <p><b>52</b> Multi Polishing Protector</p>	

## IB mini System

 <p><b>53</b> IB mini Fixture</p>	 <p><b>55</b> Cover Screw</p>	 <p><b>55</b> Healing Abutment</p>	 <p><b>57</b> Pick-up Impression Coping</p>
 <p><b>57</b> Transfer Impression Coping</p>	 <p><b>57</b> Fixture Lab Analog</p>	 <p><b>58</b> Duplex Abutment</p>	 <p><b>59</b> Angled Abutment</p>
 <p><b>59</b> Temporary Abutment</p>	 <p><b>60</b> Simplex Abutment</p>		

## G-DIFF KIT

 <p><b>64</b> Regular Surgical Kit</p>	 <p><b>70</b> Advanced Surgical Kit</p>	 <p><b>77</b> Prosthetic Kit</p>	 <p><b>80</b> Bone Collector Kit</p>
---	--	---	---

# G-DIFF SYSTEM IB SERIES LINE-UP

Unit : mm

**IB**<sup>T</sup>

### PINK CONNECION



Ø3.5

L : 7.0, 8.0, 9.5, 11.0, 12.5, 14.5

**IB**



Ø3.5



Ø4.0

L : 7.0, 8.0, 9.5, 11.0, 12.5, 14.5

**IB**<sup>MT</sup>

### BLUE CONNECTION



Ø3.5



Ø4.0



Ø4.5



Ø5.0



Ø5.5

L : 7.0, 8.0, 9.5, 11.0, 12.5, 14.5

L : 5.0 (Ø4.5, Ø5.0, Ø5.5)



Ø4.5



Ø5.0



Ø5.5

L : 7.0, 8.0, 9.5, 11.0, 12.5, 14.5



Ø3.5



Ø4.0



Ø4.5



Ø5.0

L : 8.0, 10.0, 12.0, 14.0

### GREEN CONNECTION

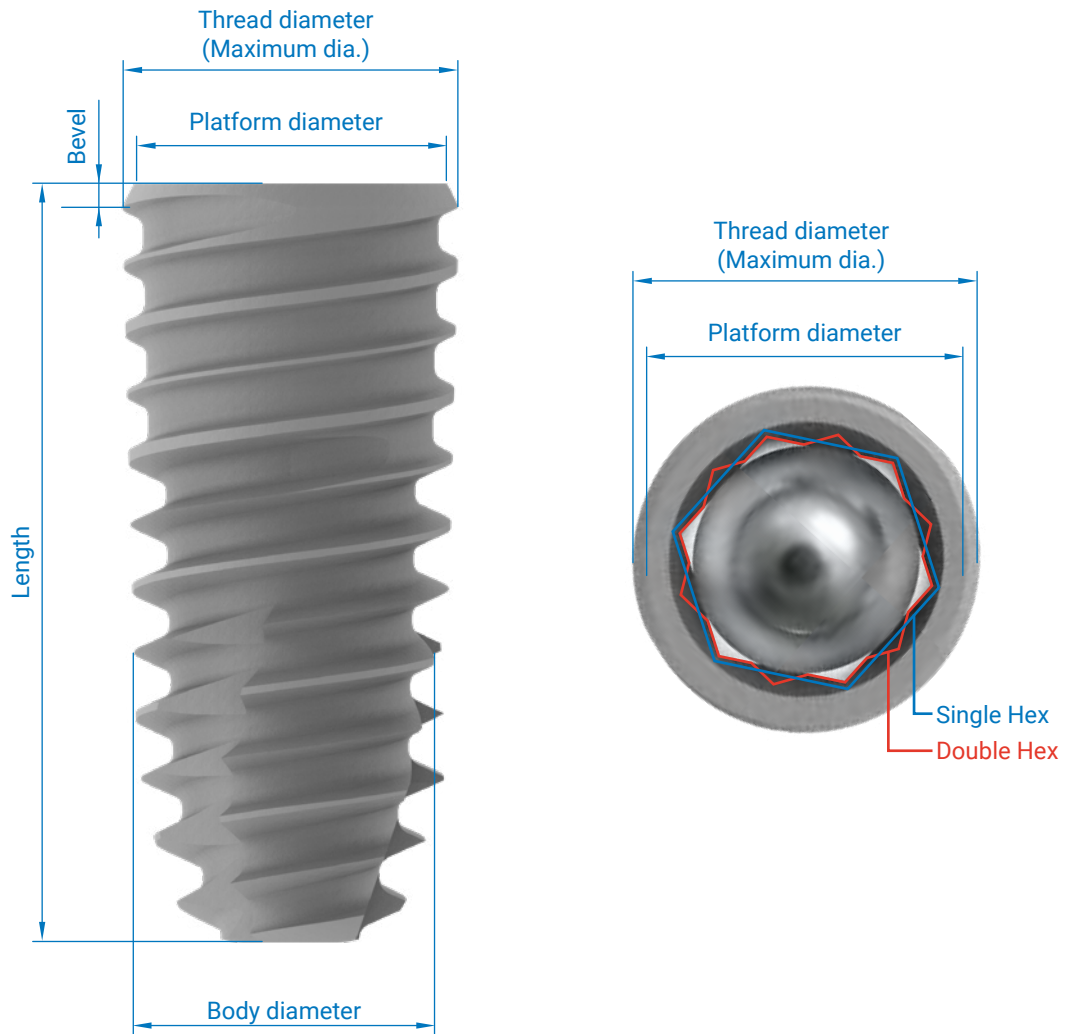
**IB**<sup>mini</sup>



Ø3.0

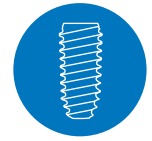
L : 8.0, 9.5, 11.0, 12.5, 14.5

# G-DIFF SYSTEM IB<sup>T</sup> Specification



Fixture	Ø3.5	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Connection	Pink	Blue	Blue	Blue	Blue
Body diameter	3.5	3.5	4.0	4.5	5.0
Thread diameter (Maximum dia.)	3.8	3.9	4.2	4.6	5.1
Platform diameter	3.5	3.7	3.9	4.3	4.8
Bevel length	0.3	0.3	0.3	0.3	0.3
Length	7.0 / 8.0 / 9.5 / 11.0 / 12.5 / 14.5				

# Internal Bone Level - Tapered IB<sup>T</sup> System



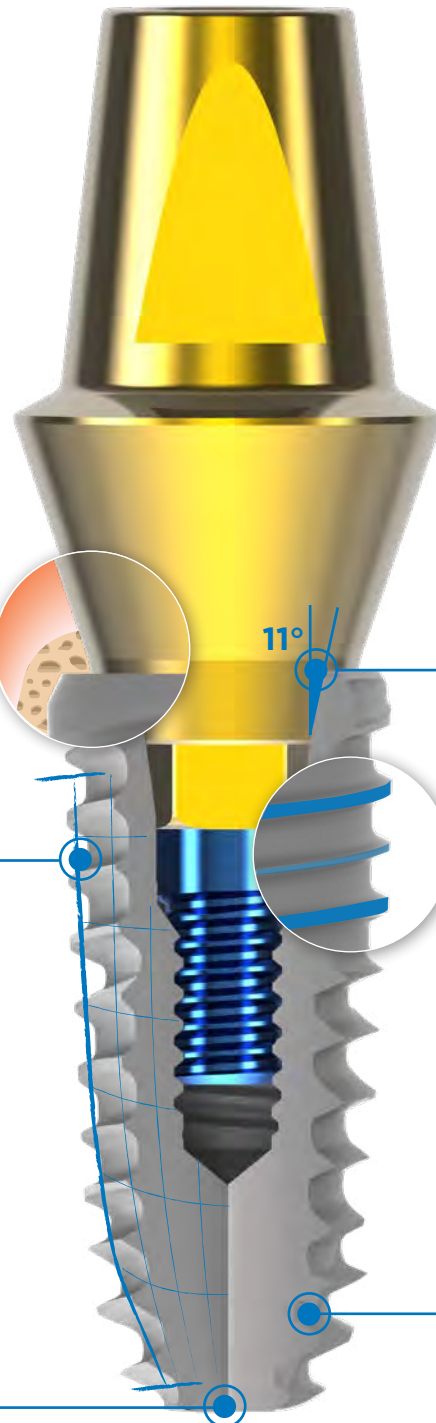
IB-T



TAPERED SHAPE



CONNECTION



## Platform Switching

Reduces the risk of inflammatory cell infiltration  
Greatly contributes to marginal bone preservation and soft tissue attachment

## Tapered Body

Allows the compressive load to be transferred to the apex of implant  
Allows excellent primary stability especially in soft bone

## 3 Blade Cutting Edge

Self-tapping function allows smooth insertion with minimal bone destruction  
Rounded implant apex reduces risk of bone perforation

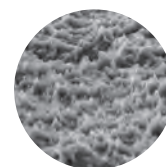
## Morse Tapered Hex Connection

Provides anti-rotation and allows for convenient indexing of the abutment  
Distributes the load to the fixture evenly and helps to reduce the micro movement

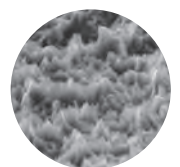
## Hybrid Double Thread

Allows Easier and quicker implant insertion in various bone condition  
Helps to reduce bone stress during insertion and penetrate the bone with ease

x3.0k



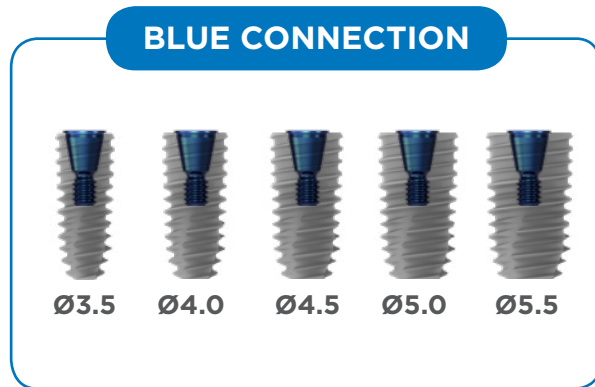
x5.0k



## S.L.A Surface Treatment Sandblasted, Large grits, Acid etched

Most researched and proven surface technology

# Internal Bone Level - Tapered IB<sup>T</sup> Fixture Line-Up

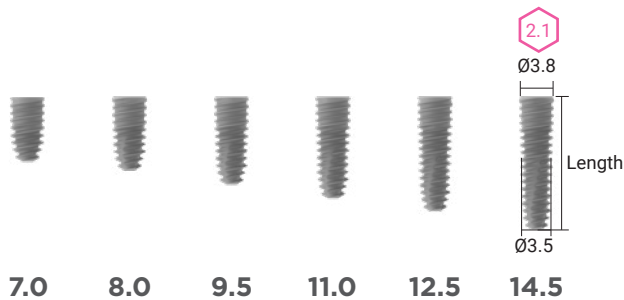


\*Recommended placement torque (to prevent any damage) - Fixture : less than 50Ncm  
- Cover Screw : 5-8Ncm

Unit : mm, Scale 1 : 1.2 / mm

## Body Ø3.5 | Thread(Maximum) Ø3.8

\*PFX-XX XX SD:Double hex

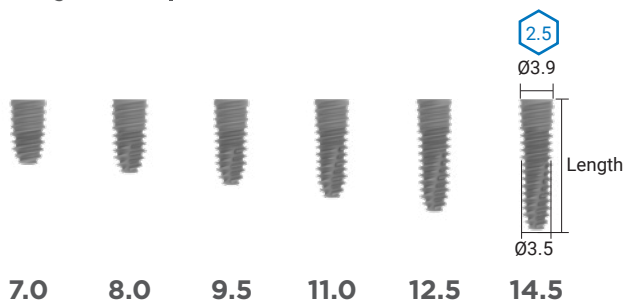


Connection	PINK	
	Double Hex	Single Hex
Length		
7.0	KK 35 <b>07</b> SA	PFX-38 <b>07</b> SS
8.0	KK 35 <b>08</b> SA	PFX-38 <b>08</b> SS
9.5	KK 35 <b>10</b> SA	PFX-38 <b>10</b> SS
11.0	KK 35 <b>11</b> SA	PFX-38 <b>11</b> SS
12.5	KK 35 <b>13</b> SA	PFX-38 <b>13</b> SS
14.5	KK 35 <b>15</b> SA	PFX-38 <b>15</b> SS

 • Cover screw **KCS 16** is included

## Body Ø3.5 | Thread(Maximum) Ø3.9

\*PFX-XX XX SD:Double hex



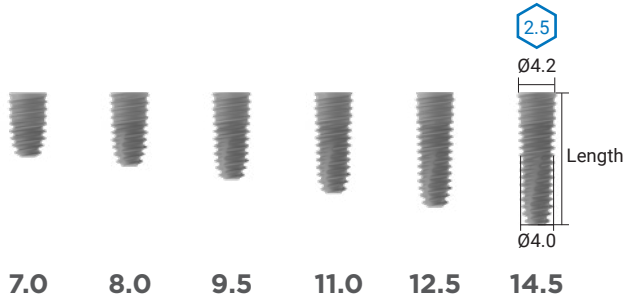
Connection	BLUE	
	Double Hex	Single Hex
Length		
7.0		PFX-39 <b>07</b> SS
8.0		PFX-39 <b>08</b> SS
9.5		PFX-39 <b>10</b> SS
11.0	N/A	PFX-39 <b>11</b> SS
12.5		PFX-39 <b>13</b> SS
14.5		PFX-39 <b>15</b> SS

 • Cover screw **ATCS 20 R** is included

Unit : mm, Scale 1 : 1.2 / mm

\*PFX-XX XX SD:Double hex

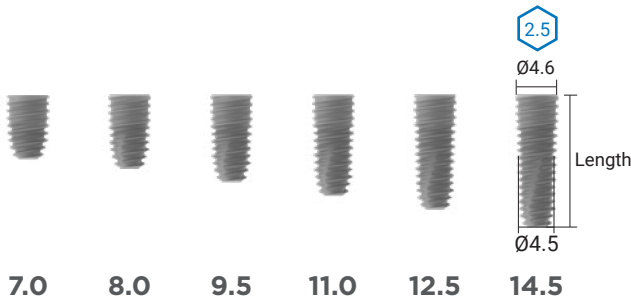
**Body Ø4.0 | Thread(Maximum) Ø4.2**



Connection	BLUE	
Length	Double Hex	Single Hex
7.0	KK 40 07 SA	PFX-42 07 SS
8.0	KK 40 08 SA	PFX-42 08 SS
9.5	KK 40 10 SA	PFX-42 10 SS
11.0	KK 40 11 SA	PFX-42 11 SS
12.5	KK 40 13 SA	PFX-42 13 SS
14.5	KK 40 15 SA	PFX-42 15 SS

• Cover screw **ATCS 20 R** is included

**Body Ø4.5 | Thread(Maximum) Ø4.6**

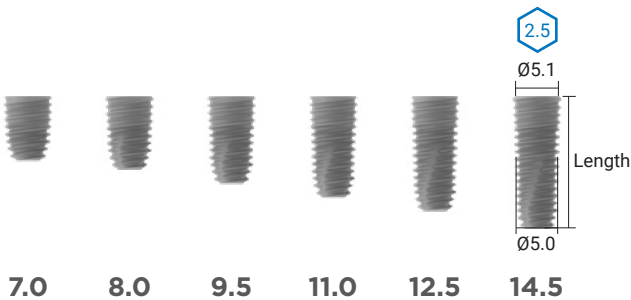


\*PFX-XX XX SD:Double hex

Connection	BLUE	
Length	Double Hex	Single Hex
7.0	KK 45 07 SA	PFX-46 07 SS
8.0	KK 45 08 SA	PFX-46 08 SS
9.5	KK 45 10 SA	PFX-46 10 SS
11.0	KK 45 11 SA	PFX-46 11 SS
12.5	KK 45 13 SA	PFX-46 13 SS
14.5	KK 45 15 SA	PFX-46 15 SS

• Cover screw **ATCS 20 R** is included

**Body Ø5.0 | Thread(Maximum) Ø5.1**



\*PFX-XX XX SD:Double hex

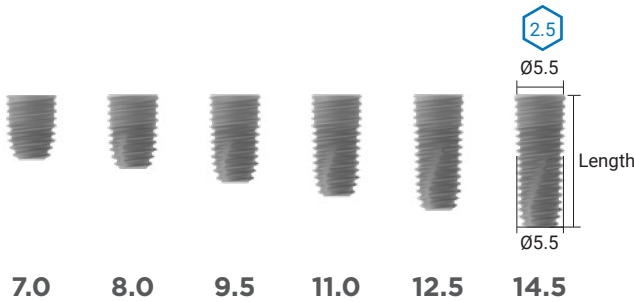
Connection	BLUE	
Length	Double Hex	Single Hex
7.0	KK 50 07 SA	PFX-51 07 SS
8.0	KK 50 08 SA	PFX-51 08 SS
9.5	KK 50 10 SA	PFX-51 10 SS
11.0	KK 50 11 SA	PFX-51 11 SS
12.5	KK 50 13 SA	PFX-51 13 SS
14.5	KK 50 15 SA	PFX-51 15 SS

• Cover screw **ATCS 20 R** is included

Unit : mm, Scale 1 : 1.2 / mm

\*PFX-XX XX SD:Double hex

**Body Ø5.5 | Thread(Maximum) Ø5.5**



Connection	BLUE	
Length	Double Hex	Single Hex
7.0	KK 55 <b>07</b> SA	PFX-55 <b>07</b> SS
8.0	KK 55 <b>08</b> SA	PFX-55 <b>08</b> SS
9.5	KK 55 <b>10</b> SA	PFX-55 <b>10</b> SS
11.0	KK 55 <b>11</b> SA	PFX-55 <b>11</b> SS
12.5	KK 55 <b>13</b> SA	PFX-55 <b>13</b> SS
14.5	KK 55 <b>15</b> SA	PFX-55 <b>15</b> SS

 • Cover screw **ATCS 20 R** is included

**Special Length**



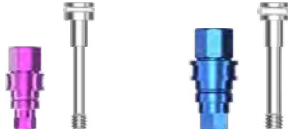
Connection		BLUE	
Dia.	Length	Double Hex	Single Hex
Ø4.0	7.0	N/A	PFX-42 <b>07</b> SSP
Ø4.5		KS 45 <b>05</b> SA	PFX-46 <b>07</b> SSP
Ø5.0		KS 50 <b>05</b> SA	PFX-51 <b>07</b> SSP
Ø5.5		KS 55 <b>05</b> SA	PFX-55 <b>07</b> SSP

 • Cover screw **ATCS 20 R** is included.

\*Note : The insertion depth of the special length fixture is at least 7mm.

### Mount & Screw

Unit : mm, Scale 1 : 1.2 / mm



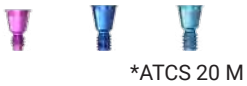
Connection	PINK	BLUE
-	KFM35	ATFM32S

- Color coding ( Pink / Blue ) for easy identification
- Use 1.25 Hex Driver
- Optimum torque : 8-10Ncm
- Pink : Hex 2.1 / Blue : Hex 2.5

Screw is included

- Pink : KFMS(M1.6) Blue : ATFMS32S(M2.0)

### Cover Screw



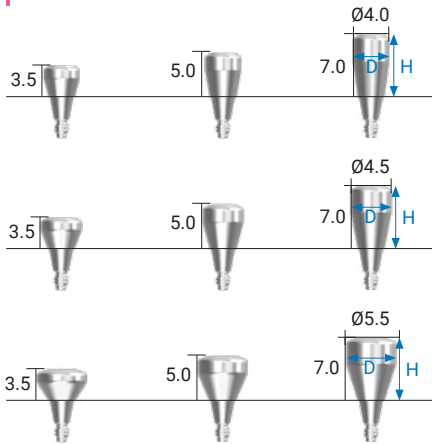
Connection	PINK	BLUE	
-	KCS16	ATCS 20 R	ATCS 20 M

- Color coding ( Pink / Blue ) for easy identification
- Use 1.25 Hex Driver
- Optimum torque : 5-8Ncm
- Single use only
- ATCS 20 M is only for IB-MT Ø3.5

### Healing Abutment

Unit : mm, Scale 1 : 1.2 / mm

#### Pink Connection

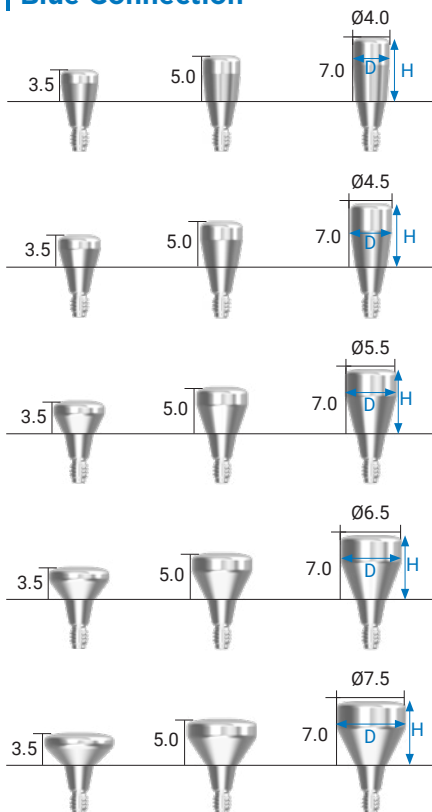


Connection		PINK		
D	H	3.5	5.0	7.0
Ø4.0		KHA 40 <b>35</b>	KHA 40 <b>50</b>	KHA 40 <b>70</b>
Ø4.5		KHA 45 <b>35</b>	KHA 45 <b>50</b>	KHA 45 <b>70</b>
Ø5.5		KHA 55 <b>35</b>	KHA 55 <b>50</b>	KHA 55 <b>70</b>

- Use 1.25 Hex driver
- Optimum torque : 8-10Ncm
- Screw : M1.6
- Marking Guide (Top View)



#### Blue Connection



Connection		BLUE		
D	H	3.5	5.0	7.0
Ø4.0		ATHA 40 <b>35</b>	ATHA 40 <b>50</b>	ATHA 40 <b>70</b>
Ø4.5		ATHA 45 <b>35</b>	ATHA 45 <b>50</b>	ATHA 45 <b>70</b>
Ø5.5		ATHA 55 <b>35</b>	ATHA 55 <b>50</b>	ATHA 55 <b>70</b>
Ø6.5		ATHA 65 <b>35</b>	ATHA 65 <b>50</b>	ATHA 65 <b>70</b>
Ø7.5		ATHA 75 <b>35</b>	ATHA 75 <b>50</b>	ATHA 75 <b>70</b>

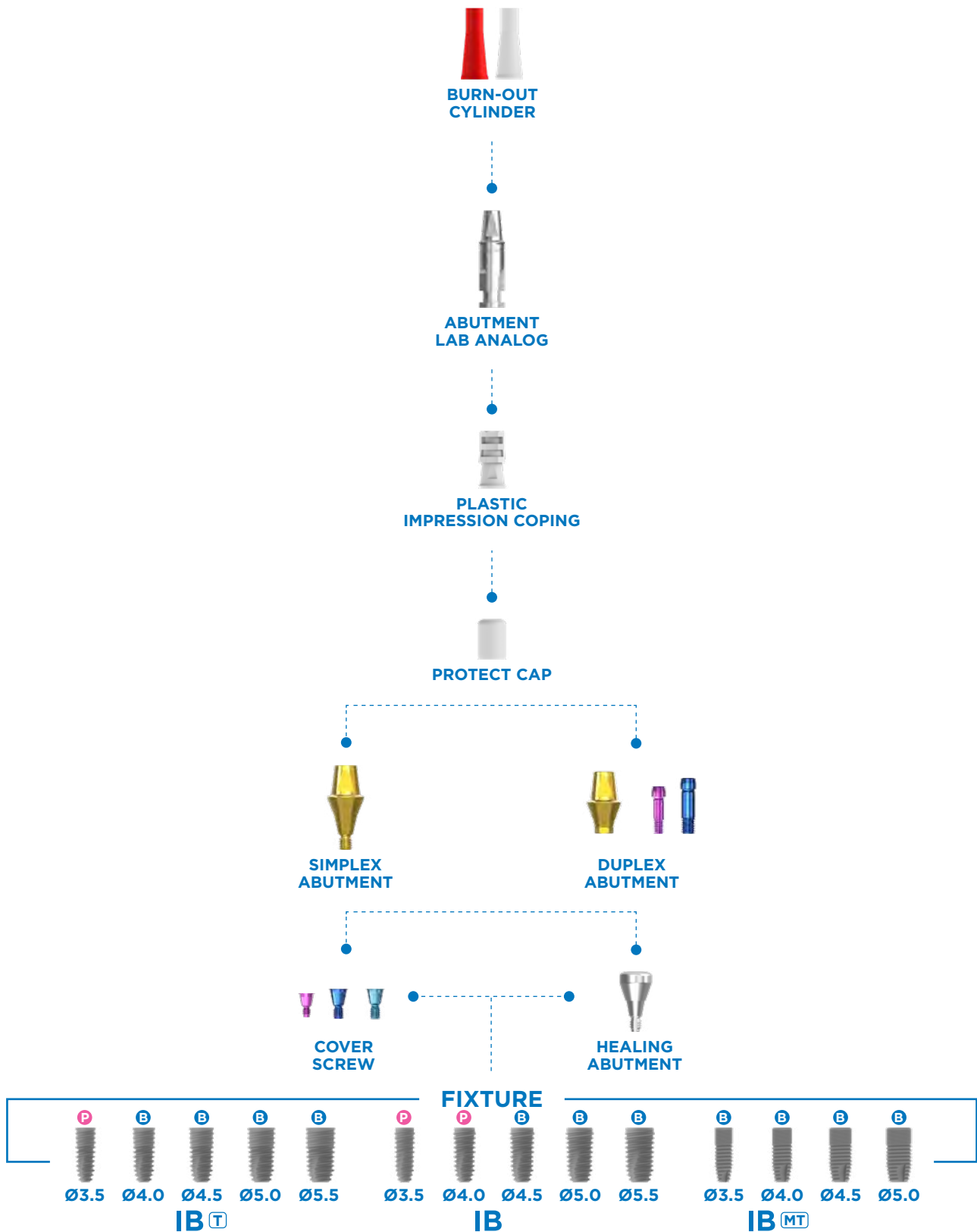
- Use 1.25 Hex driver
- Optimum torque : 8-10Ncm
- Screw : M2.0
- Marking Guide (Top View)



# Prosthetic Flow Chart Diagrams

## Abutment Level

Scale : 1 : 1 / mm



### Simplex Abutment | Pink Connection

Unit : mm, Scale 1 : 1.2 / mm

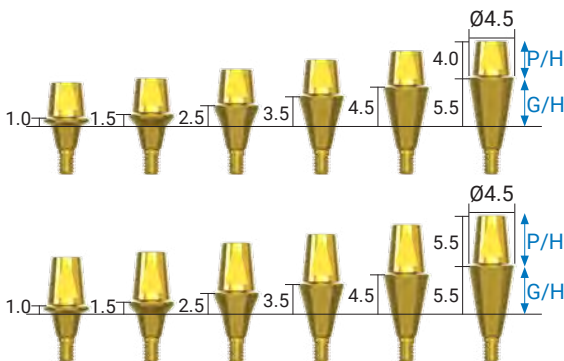
- Designed for general cement type prosthesis
- One body structure (Abutment with screw)
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Screw : M1.6

#### | Diameter Ø4.0



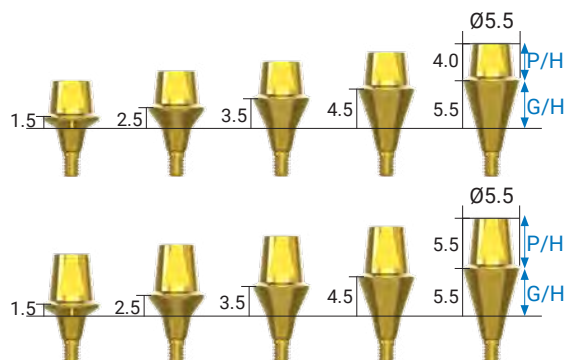
Connection		PINK	
G/H	P/H	7.0	
1		KSA 40 <b>10</b> 70	
1.5		KSA 40 <b>15</b> 70	
2.5		KSA 40 <b>25</b> 70	
3.5		KSA 40 <b>35</b> 70	
4.5		KSA 40 <b>45</b> 70	
5.5		KSA 40 <b>55</b> 70	

#### | Diameter Ø4.5



Connection		PINK	
G/H	P/H	4.0	5.5
1		KSA 45 <b>10</b> 40	KSA 45 <b>10</b> 55
1.5		KSA 45 <b>15</b> 40	KSA 45 <b>15</b> 55
2.5		KSA 45 <b>25</b> 40	KSA 45 <b>25</b> 55
3.5		KSA 45 <b>35</b> 40	KSA 45 <b>35</b> 55
4.5		KSA 45 <b>45</b> 40	KSA 45 <b>45</b> 55
5.5		KSA 45 <b>55</b> 40	KSA 45 <b>55</b> 55

#### | Diameter Ø5.5



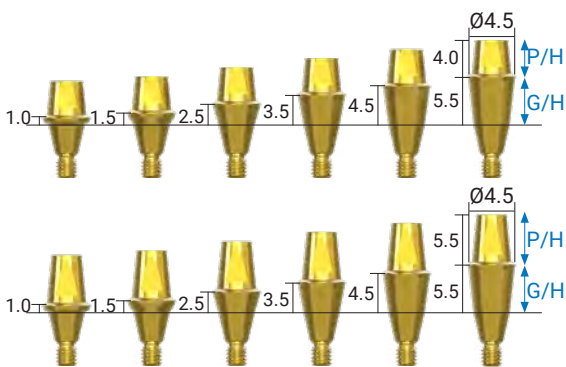
Connection		PINK	
G/H	P/H	4.0	5.5
1.5		KSA 55 <b>15</b> 40	KSA 55 <b>15</b> 55
2.5		KSA 55 <b>25</b> 40	KSA 55 <b>25</b> 55
3.5		KSA 55 <b>35</b> 40	KSA 55 <b>35</b> 55
4.5		KSA 55 <b>45</b> 40	KSA 55 <b>45</b> 55
5.5		KSA 55 <b>55</b> 40	KSA 55 <b>55</b> 55

### Simplex Abutment | Blue Connection

Unit : mm, Scale 1 : 1.2 / mm

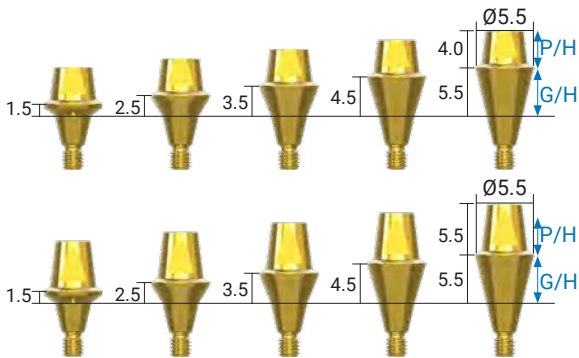
- Designed for general cement type prosthesis
- One body structure (Abutment with screw)
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 35Ncm
- Screw : M2.0

#### | Diameter Ø4.5



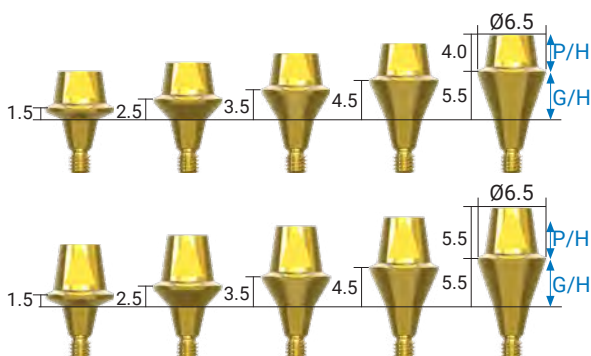
Connection		BLUE	
G/H	P/H	4.0	5.5
1		ATSA 45 <b>10</b> 40	ATSA 45 <b>10</b>
1.5		ATSA 45 <b>15</b> 40	ATSA 45 <b>15</b>
2.5		ATSA 45 <b>25</b> 40	ATSA 45 <b>25</b>
3.5		ATSA 45 <b>35</b> 40	ATSA 45 <b>35</b>
4.5		ATSA 45 <b>45</b> 40	ATSA 45 <b>45</b>
5.5		ATSA 45 <b>55</b> 40	ATSA 45 <b>55</b>

#### | Diameter Ø5.5



Connection		BLUE	
G/H	P/H	4.0	5.5
1.5		ATSA 55 <b>15</b> 40	ATSA 55 <b>15</b>
2.5		ATSA 55 <b>25</b> 40	ATSA 55 <b>25</b>
3.5		ATSA 55 <b>35</b> 40	ATSA 55 <b>35</b>
4.5		ATSA 55 <b>45</b> 40	ATSA 55 <b>45</b>
5.5		ATSA 55 <b>55</b> 40	ATSA 55 <b>55</b>

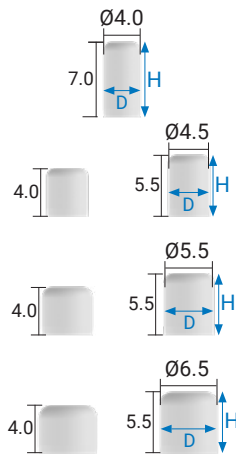
#### | Diameter Ø6.5



Connection		BLUE	
G/H	P/H	4.0	5.5
1.5		ATSA 65 <b>15</b> 40	ATSA 65 <b>15</b>
2.5		ATSA 65 <b>25</b> 40	ATSA 65 <b>25</b>
3.5		ATSA 65 <b>35</b> 40	ATSA 65 <b>35</b>
4.5		ATSA 65 <b>45</b> 40	ATSA 65 <b>45</b>
5.5		ATSA 65 <b>55</b> 40	ATSA 65 <b>55</b>

**Protect Cap**

Unit : mm, Scale 1 : 1.2 / mm



D \ H	4.0	5.5	7.0
Ø4.0	-	-	PC 40 70
Ø4.5	PC 45 40	PC 45 55	-
Ø5.5	PC 55 40	PC 55 55	-
Ø6.5	PC 65 40	PC 65 55	-

- Protecting the simplex abutment and minimizing mucosal irritation
- Can be applied as inner structure of temporary prosthesis

**Plastic Impression Coping**

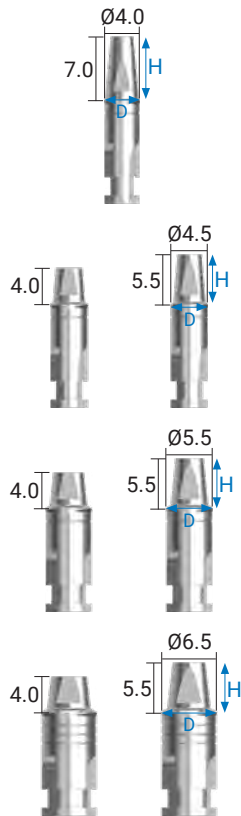


D	REF NO.
Ø4.5	ATPIC 45
Ø5.5	ATPIC 55
Ø6.5	ATPIC 65

- Used for taking impression of the simplex abutment

### Abutment Lab Analog

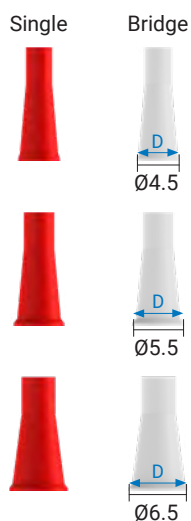
Unit : mm, Scale 1 : 1.2 / mm



D \ H	4.0	5.5	7.0
Ø4.0	-	-	ALA <b>40</b> 70
Ø4.5	ALA <b>45</b> 40	ALA <b>45</b> 55	-
Ø5.5	ALA <b>55</b> 40	ALA <b>55</b> 55	-
Ø6.5	ALA <b>65</b> 40	ALA <b>65</b> 55	-

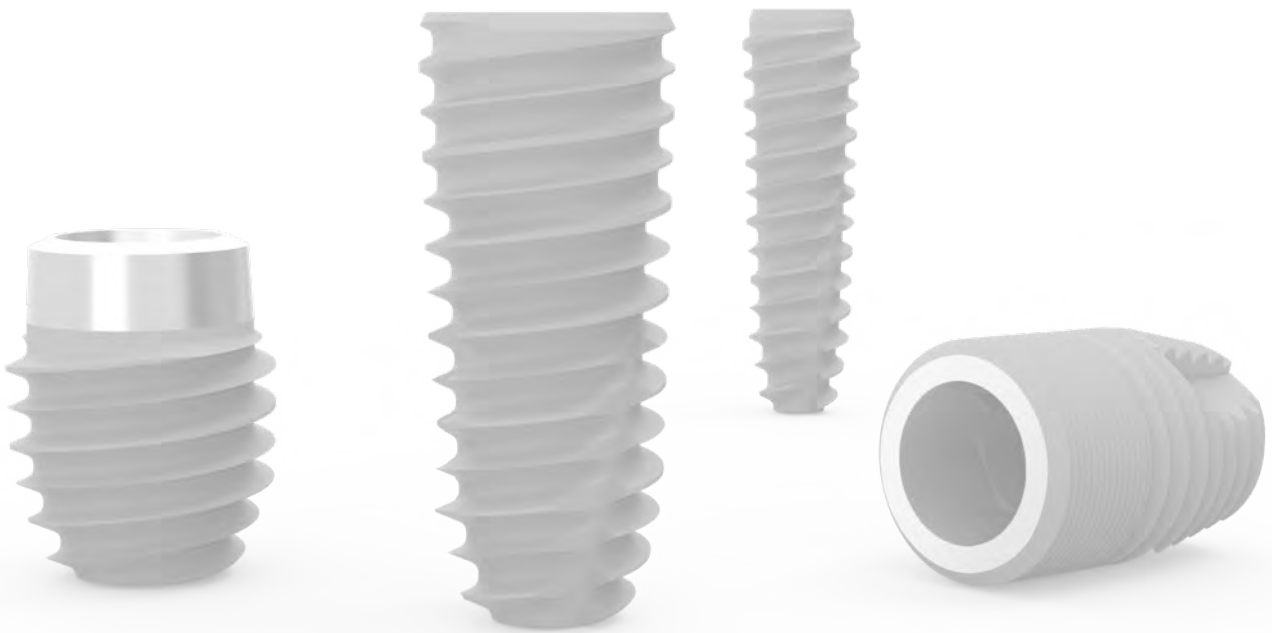
- Play a role of simplex abutment on a working model.

### Burn-out Cylinder



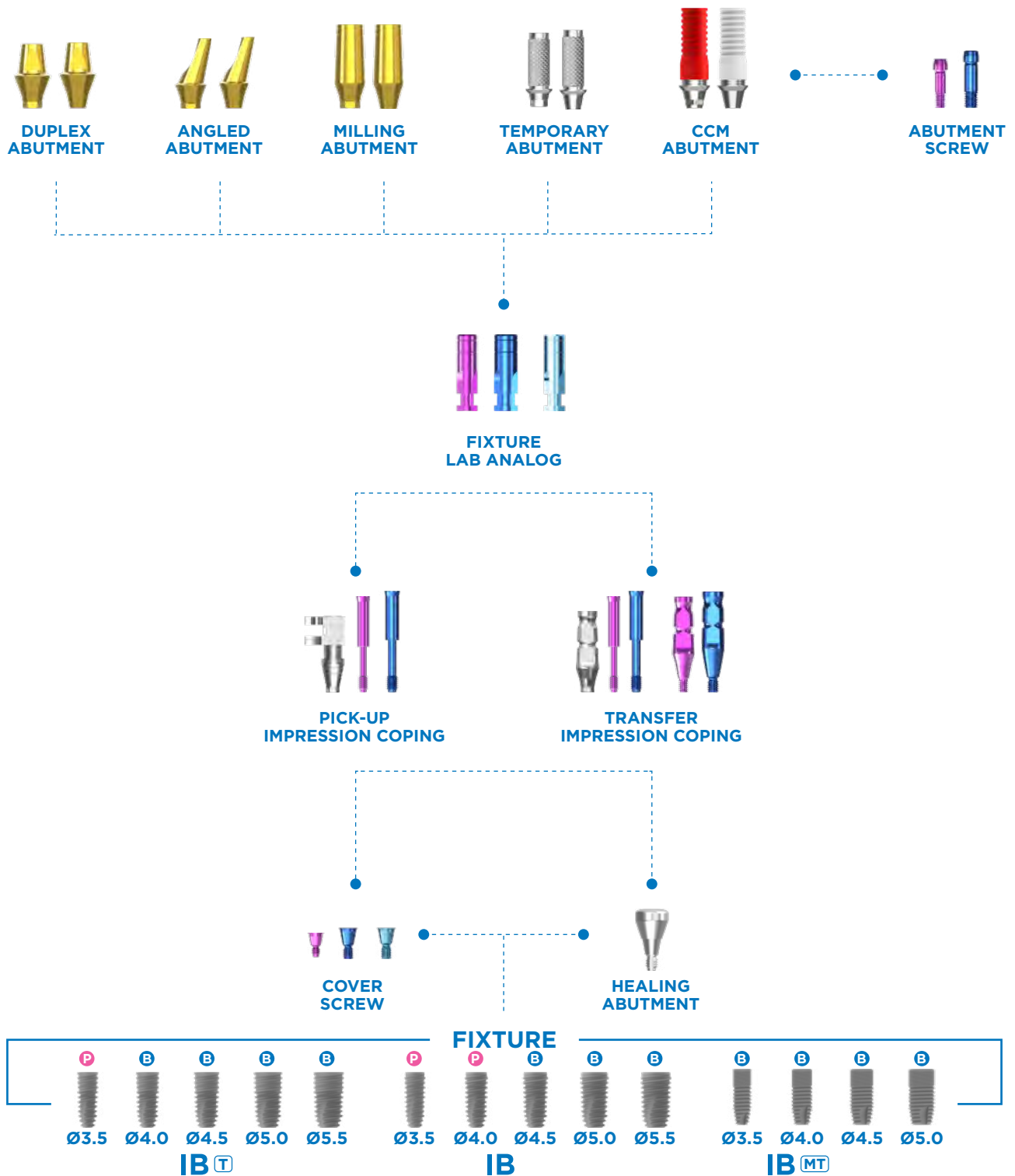
D \ Type	Single	Bridge
Ø4.5	ATBOC 45 <b>S</b>	ATBOC 45 <b>B</b>
Ø5.5	ATBOC 55 <b>S</b>	ATBOC 55 <b>B</b>
Ø6.5	ATBOC 65 <b>S</b>	ATBOC 65 <b>B</b>

- Used as a frame of prosthesis after connection with the simplex abutment
- Easy discrimination between 'Single' and 'Bridge' type with its unique color. ( Single : red / Bridge : white )



# Prosthetic Flow Chart Diagrams Fixture Level

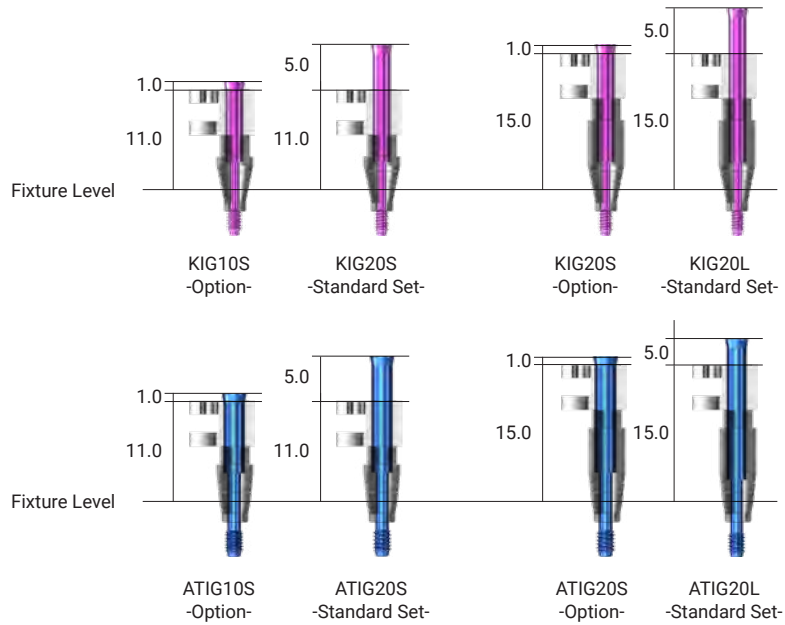
Scale : 1 : 1 / mm



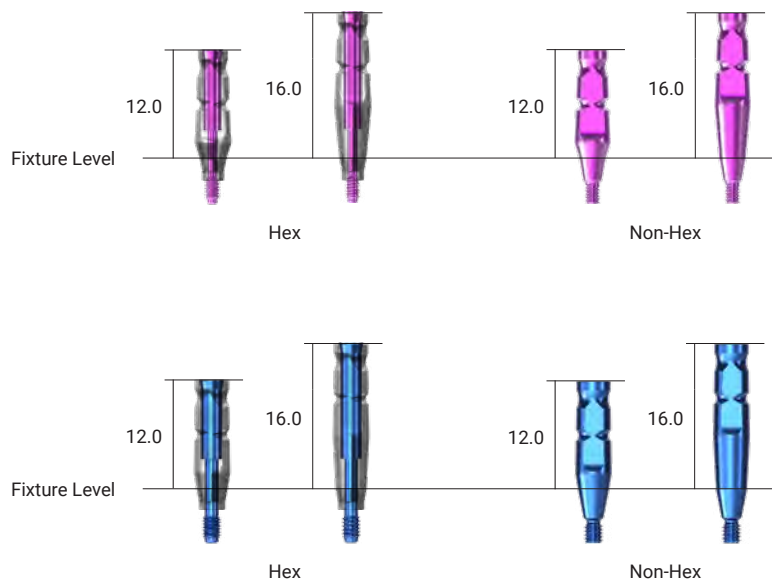
## Impression Coping Guide

Unit : mm, Scale 1 : 1.2 / mm

### | Pick-up Impression Coping Guide

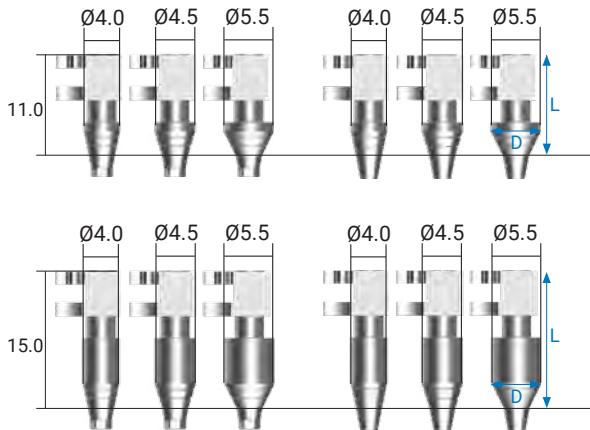


### | Transfer Impression Coping Guide



Pick-up Impression Coping

Unit : mm, Scale 1 : 1.2 / mm

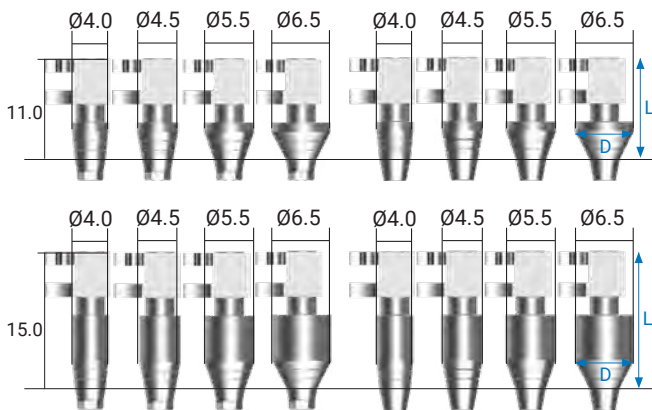


Connection		PINK			
Length		11.0		15.0	
D	Type	Hex	Non-Hex	Hex	Non-Hex
Ø4.0		KIPH 40S	KIPN 40S	KIPH 40L	KIPN 40L
Ø4.5		KIPH 45S	KIPN 45S	KIPH 45L	KIPN 45L
Ø5.5		KIPH 55S	KIPN 55S	KIPH 55L	KIPN 55L
Guide Pin		KIG 20 S		KIG 20 L	

- Pick-up type impression coping with the custom tray
- Asymmetric design is applied to minimize adjacent interference
- Hex 2.1 / Screw - M1.6
- Standard Set : 11 Length - KIG 20S / 15 Length - KIG 20 L

 • Guide Pin **KIG 20 S** is included (11 Length)  
 \* Option : Guide Pin **KIG 10 S** (11 Length)

 • Guide Pin **KIG 20 L** is included (15 Length)  
 \* Option : Guide Pin **KIG 20 S** (15 Length)



Connection		BLUE			
Length		11.0		15.0	
D	Type	Hex	Non-Hex	Hex	Non-Hex
Ø4.0		ATIPH 40S	ATIPN 40S	ATIPH 40L	ATIPN 40L
Ø4.5		ATIPH 45S	ATIPN 45S	ATIPH 45L	ATIPN 45L
Ø5.5		ATIPH 55S	ATIPN 55S	ATIPH 55L	ATIPN 55L
Ø6.5		ATIPH 65S	ATIPN 65S	ATIPH 65L	ATIPN 65L
Guide Pin		ATIG 20 S		ATIG 20 L	

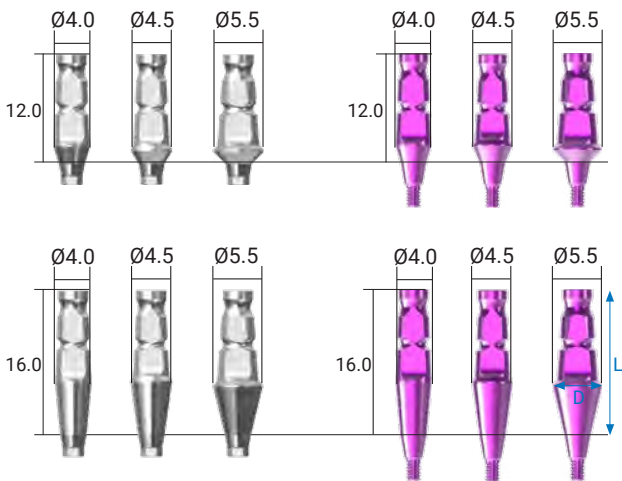
- Pick-up type impression coping with the custom tray
- Asymmetric design is applied to minimize adjacent interference
- Hex 2.5 / Screw - M2.0
- Standard Set : 11 Length - ATIG 20S / 15 Length - ATIG 20 L

 • Guide Pin **ATIG 20 S** is included (11 Length)  
 \* Option : Guide Pin **ATIG 10 S** (11 Length)

 • Guide Pin **ATIG 20 L** is included (15 Length)  
 \* Option : Guide Pin **ATIG 20 S** (15 Length)

## Transfer Impression Coping

Unit : mm, Scale 1 : 1.2 / mm

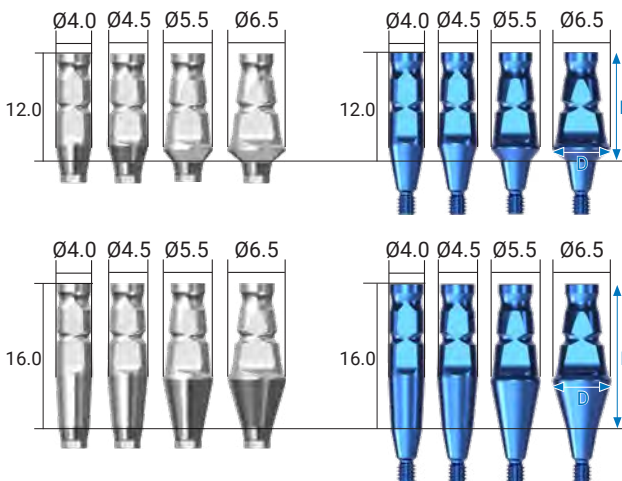


Connection		PINK			
Length		12.0		16.0	
D	Type	Hex	Non-Hex	Hex	Non-Hex
Ø4.0		KITH 40S	KITN 40S	KITH 40L	KITN 40L
Ø4.5		KITH 45S	KITN 45S	KITH 45L	KITN 45L
Ø5.5		KITH 55S	KITN 55S	KITH 55L	KITN 55L
Guide Pin		KIG 10 S	-	KIG 20 S	-

- Transfer type impression coping with the custom tray
- Curved contour for increasing insertion ability
- Hex 2.1 / Screw - M1.6
- Guide pin is included in hex type coping only

 • Guide Pin **KIG 10 S** is included (12 Length, Hex)

 • Guide Pin **KIG 20 S** is included (16 Length, Hex)



Connection		BLUE			
Length		12.0		16.0	
D	Type	Hex	Non-Hex	Hex	Non-Hex
Ø4.0		ATITH 40S	ATITN 40S	ATITH 40L	ATITN 40L
Ø4.5		ATITH 45S	ATITN 45S	ATITH 45L	ATITN 45L
Ø5.5		ATITH 55S	ATITN 55S	ATITH 55L	ATITN 55L
Ø6.5		ATITH 65S	ATITN 65S	ATITH 65L	ATITN 65L
Guide Pin		ATIG 10 S	-	ATIG 20 S	-

- Transfer type impression coping with the custom tray
- Curved contour for increasing insertion ability
- Hex 2.5 / Screw - M2.0
- Guide pin is included in hex type coping only

 • Guide Pin **ATIG 10 S** is included (12 Length, Hex)

 • Guide Pin **ATIG 20 S** is included (16 Length, Hex)

## Fixture Lab Analog



\*ATLA 35

Connection	PINK	BLUE	
-	KFLA 35	KFLA 45	ATLA 35

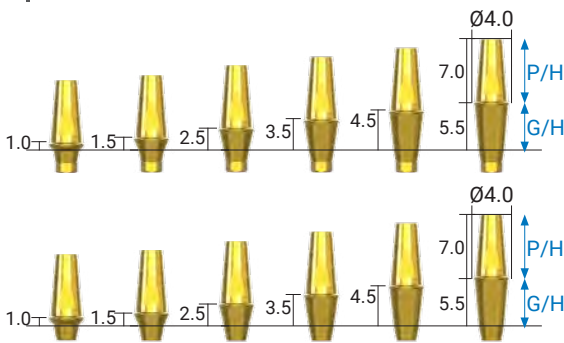
- Color coding ( Pink / Blue ) for easy identification
- ATLA 35 is only for IB-MT Ø3.5.

## Duplex Abutment | Pink Connection

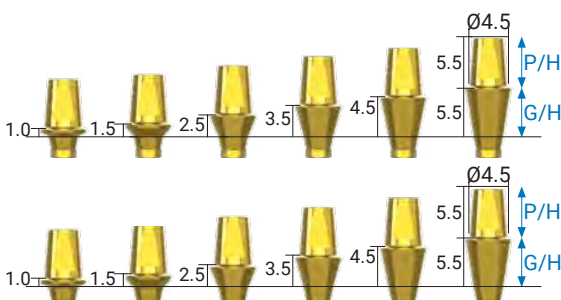
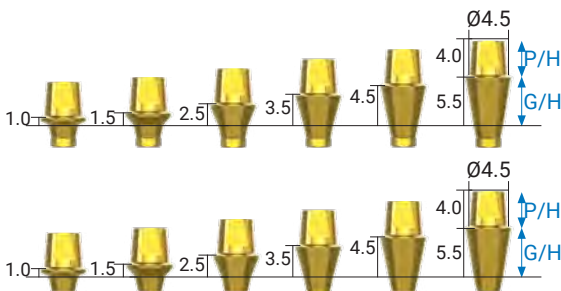
Unit : mm, Scale 1 : 1.2 / mm

- Designed for general cement type prosthesis
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6

### | Diameter Ø4.0



### | Diameter Ø4.5



Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	7.0	
1		KDA 40 <b>10</b> 70H	KDA 40 <b>10</b> 70N
1.5		KDA 40 <b>15</b> 70H	KDA 40 <b>15</b> 70N
2.5		KDA 40 <b>25</b> 70H	KDA 40 <b>25</b> 70N
3.5		KDA 40 <b>35</b> 70H	KDA 40 <b>35</b> 70N
4.5		KDA 40 <b>45</b> 70H	KDA 40 <b>45</b> 70N
5.5		KDA 40 <b>55</b> 70H	KDA 40 <b>55</b> 70N



• Abutment Screw **KAS 16** is included

Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	4.0	
1		KDA 45 <b>10</b> 40H	KDA 45 <b>10</b> 40N
1.5		KDA 45 <b>15</b> 40H	KDA 45 <b>15</b> 40N
2.5		KDA 45 <b>25</b> 40H	KDA 45 <b>25</b> 40N
3.5		KDA 45 <b>35</b> 40H	KDA 45 <b>35</b> 40N
4.5		KDA 45 <b>45</b> 40H	KDA 45 <b>45</b> 40N
5.5		KDA 45 <b>55</b> 40H	KDA 45 <b>55</b> 40N

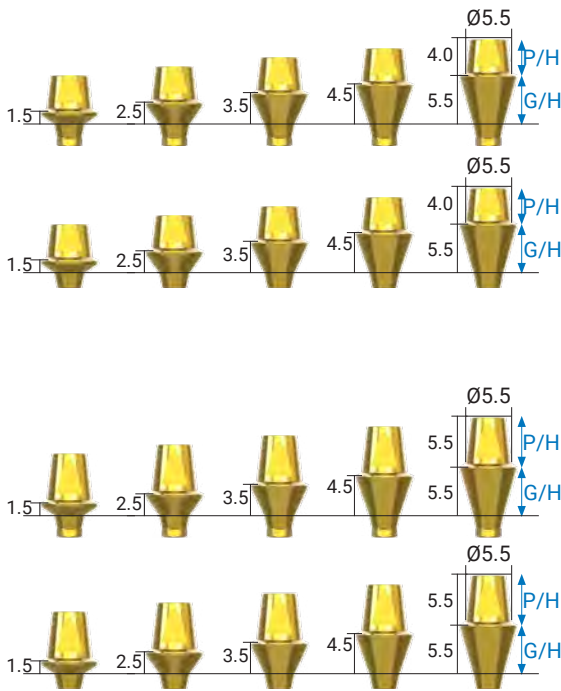
Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	5.5	
1		KDA 45 <b>10</b> 55H	KDA 45 <b>10</b> 55N
1.5		KDA 45 <b>15</b> 55H	KDA 45 <b>15</b> 55N
2.5		KDA 45 <b>25</b> 55H	KDA 45 <b>25</b> 55N
3.5		KDA 45 <b>35</b> 55H	KDA 45 <b>35</b> 55N
4.5		KDA 45 <b>45</b> 55H	KDA 45 <b>45</b> 55N
5.5		KDA 45 <b>55</b> 55H	KDA 45 <b>55</b> 55N



• Abutment Screw **KAS 16** is included

Unit : mm, Scale 1 : 1.2 / mm

**| Diameter Ø5.5**



Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	4.0	
1.5		KDA 55 <b>15</b> 40H	KDA 55 <b>15</b> 40N
2.5		KDA 55 <b>25</b> 40H	KDA 55 <b>25</b> 40N
3.5		KDA 55 <b>35</b> 40H	KDA 55 <b>35</b> 40N
4.5		KDA 55 <b>45</b> 40H	KDA 55 <b>45</b> 40N
5.5		KDA 55 <b>55</b> 40H	KDA 55 <b>55</b> 40N

Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	5.5	
1.5		KDA 55 <b>15</b> 55H	KDA 55 <b>15</b> 55N
2.5		KDA 55 <b>25</b> 55H	KDA 55 <b>25</b> 55N
3.5		KDA 55 <b>35</b> 55H	KDA 55 <b>35</b> 55N
4.5		KDA 55 <b>45</b> 55H	KDA 55 <b>45</b> 55N
5.5		KDA 55 <b>55</b> 55H	KDA 55 <b>55</b> 55N



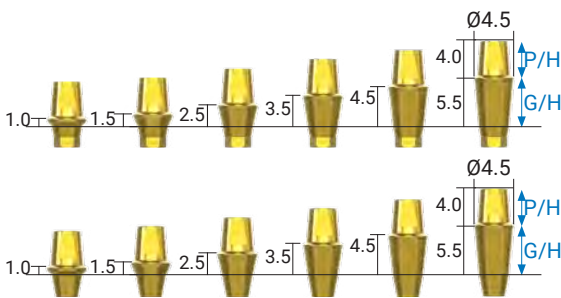
• Abutment Screw **KAS 16** is included

## Duplex Abutment | Blue Connection

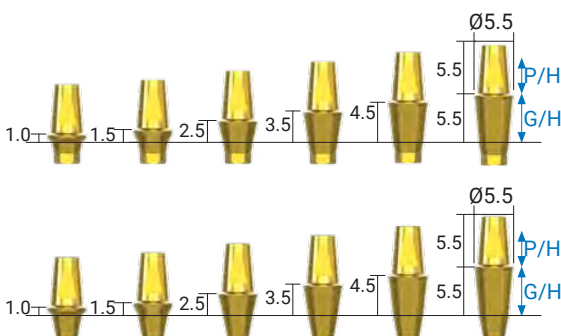
Unit : mm, Scale 1 : 1.2 / mm

- Designed for general cement type prosthesis
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 35Ncm
- Hex 2.5, Screw : M2.0

### | Diameter Ø4.5



Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	4.0	
1.0		ATDA 45 <b>10</b> 40H	ATDA 45 <b>10</b> 40N
1.5		ATDA 45 <b>15</b> 40H	ATDA 45 <b>15</b> 40N
2.5		ATDA 45 <b>25</b> 40H	ATDA 45 <b>25</b> 40N
3.5		ATDA 45 <b>35</b> 40H	ATDA 45 <b>35</b> 40N
4.5		ATDA 45 <b>45</b> 40H	ATDA 45 <b>45</b> 40N
5.5		ATDA 45 <b>55</b> 40H	ATDA 45 <b>55</b> 40N



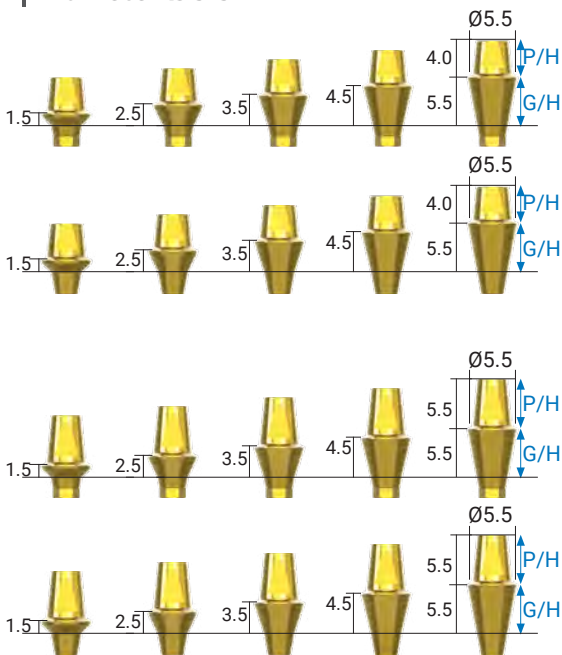
Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	5.5	
1.0		ATDA 45 <b>10</b> H	ATDA 45 <b>10</b> N
1.5		ATDA 45 <b>15</b> H	ATDA 45 <b>15</b> N
2.5		ATDA 45 <b>25</b> H	ATDA 45 <b>25</b> N
3.5		ATDA 45 <b>35</b> H	ATDA 45 <b>35</b> N
4.5		ATDA 45 <b>45</b> H	ATDA 45 <b>45</b> N
5.5		ATDA 45 <b>55</b> H	ATDA 45 <b>55</b> N



- Abutment Screw **ATAS 20** is included

Unit : mm, Scale 1 : 1.2 / mm

**| Diameter Ø5.5**



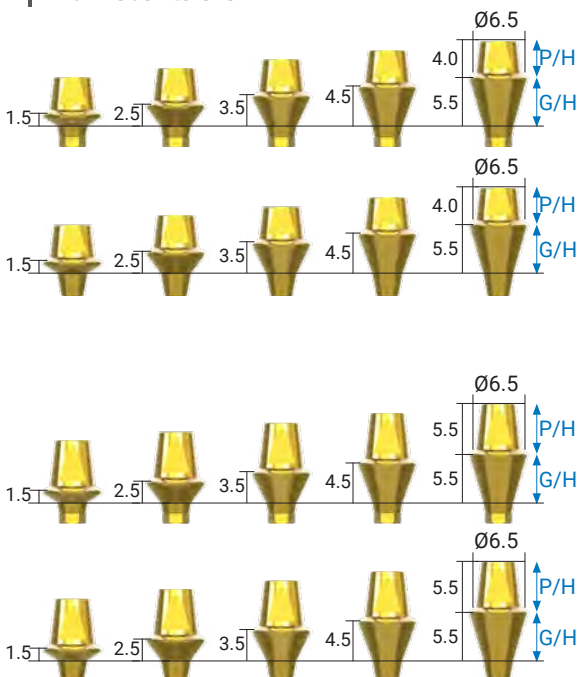
Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	4.0	
1.5		ATDA 55 <b>15</b> 40H	ATDA 55 <b>15</b> 40N
2.5		ATDA 55 <b>25</b> 40H	ATDA 55 <b>25</b> 40N
3.5		ATDA 55 <b>35</b> 40H	ATDA 55 <b>35</b> 40N
4.5		ATDA 55 <b>45</b> 40H	ATDA 55 <b>45</b> 40N
5.5		ATDA 55 <b>55</b> 40H	ATDA 55 <b>55</b> 40N

Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	5.5	
1.5		ATDA 55 <b>15</b> H	ATDA 55 <b>15</b> N
2.5		ATDA 55 <b>25</b> H	ATDA 55 <b>25</b> N
3.5		ATDA 55 <b>35</b> H	ATDA 55 <b>35</b> N
4.5		ATDA 55 <b>45</b> H	ATDA 55 <b>45</b> N
5.5		ATDA 55 <b>55</b> H	ATDA 55 <b>55</b> N



• Abutment Screw **ATAS 20** is included

**| Diameter Ø6.5**



Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	4.0	
1.5		ATDA 65 <b>15</b> 40H	ATDA 65 <b>15</b> 40N
2.5		ATDA 65 <b>25</b> 40H	ATDA 65 <b>25</b> 40N
3.5		ATDA 65 <b>35</b> 40H	ATDA 65 <b>35</b> 40N
4.5		ATDA 65 <b>45</b> 40H	ATDA 65 <b>45</b> 40N
5.5		ATDA 65 <b>55</b> 40H	ATDA 65 <b>55</b> 40N

Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	5.5	
1.5		ATDA 65 <b>15</b> H	ATDA 65 <b>15</b> N
2.5		ATDA 65 <b>25</b> H	ATDA 65 <b>25</b> N
3.5		ATDA 65 <b>35</b> H	ATDA 65 <b>35</b> N
4.5		ATDA 65 <b>45</b> H	ATDA 65 <b>45</b> N
5.5		ATDA 65 <b>55</b> H	ATDA 65 <b>55</b> N



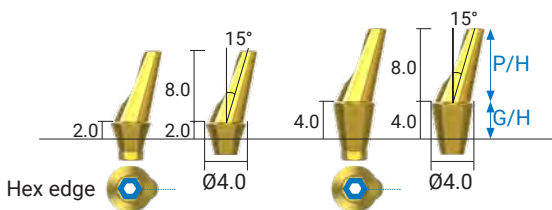
• Abutment Screw **ATAS 20** is included

### Angled Abutment - 15° | Pink Connection

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust the path for prosthesis with its 15° axial angle
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6

#### | Diameter Ø4.0

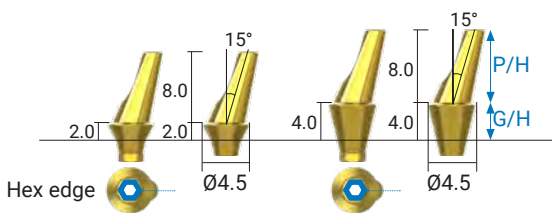


Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		KAA 40 2 15H	KAA 40 2 15N
4.0		KAA 40 4 15H	KAA 40 4 15N



• Abutment Screw **KAS 16** is included

#### | Diameter Ø4.5

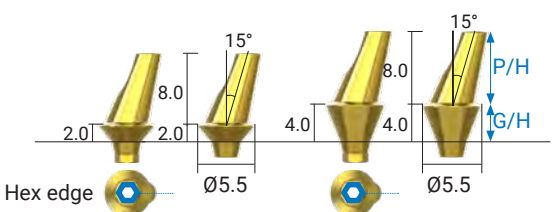


Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		KAA 45 2 15H	KAA 45 2 15N
4.0		KAA 45 4 15H	KAA 45 4 15N



• Abutment Screw **KAS 16** is included

#### | Diameter Ø5.5



Connection		PINK	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		KAA 55 2 15H	KAA 55 2 15N
4.0		KAA 55 4 15H	KAA 55 4 15N



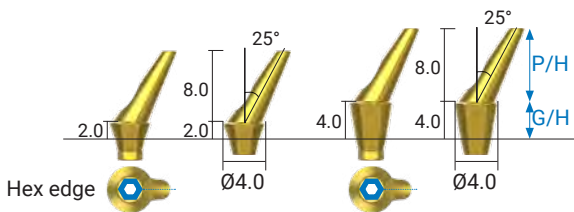
• Abutment Screw **KAS 16** is included

### Angled Abutment - 25° | Pink Connection

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust the path for prosthesis with its 25° axial angle
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6

#### | Diameter Ø4.0

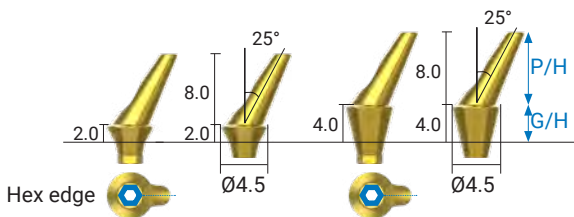


Connection		PINK	
Type		Hex	Non-Hex
G/H \ P/H		8	
2.0		KAA 40 2 25H	KAA 40 2 25N
4.0		KAA 40 4 25H	KAA 40 4 25N



• Abutment Screw **KAS 16** is included

#### | Diameter Ø4.5

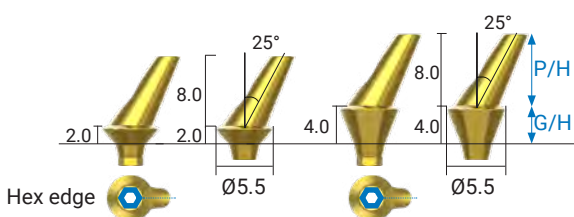


Connection		PINK	
Type		Hex	Non-Hex
G/H \ P/H		8	
2.0		KAA 45 2 25H	KAA 45 2 25N
4.0		KAA 45 4 25H	KAA 45 4 25N



• Abutment Screw **KAS 16** is included

#### | Diameter Ø5.5



Connection		PINK	
Type		Hex	Non-Hex
G/H \ P/H		8	
2.0		KAA 55 2 25H	KAA 55 2 25N
4.0		KAA 55 4 25H	KAA 55 4 25N



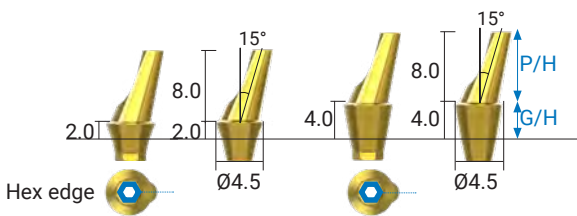
• Abutment Screw **KAS 16** is included

**Angled Abutment - 15° | Blue Connection**

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust the path for prosthesis with its 15° axial angle
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 35Ncm
- Hex : 2.5, Screw : M2.0

**| Diameter Ø4.5**

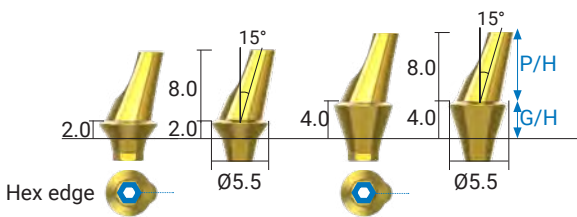


Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		ATAA 45 2 15H	ATAA 45 2 15N
4.0		ATAA 45 4 15H	ATAA 45 4 15N



• Abutment Screw **ATAS 20** is included

**| Diameter Ø5.5**



Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		ATAA 55 2 15H	ATAA 55 2 15N
4.0		ATAA 55 4 15H	ATAA 55 4 15N



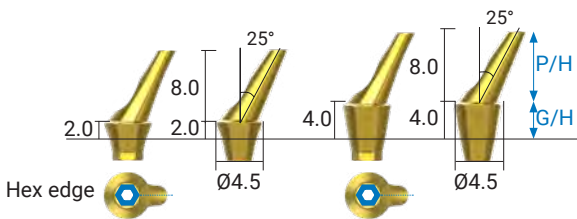
• Abutment Screw **ATAS 20** is included

### Angled Abutment - 25° | Blue Connection

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust the path for prosthesis with its 25° axial angle
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 35Ncm
- Hex : 2.5, Screw : M2.0

#### | Diameter Ø4.5

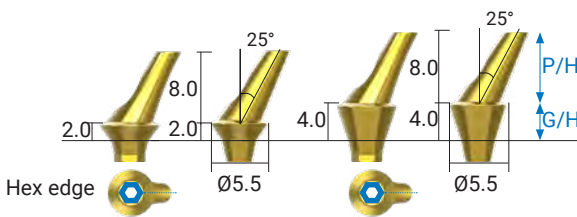


Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		ATAA 45 2 25H	ATAA 45 2 25N
4.0		ATAA 45 4 25H	ATAA 45 4 25N



• Abutment Screw **ATAS 20** is included

#### | Diameter Ø5.5



Connection		BLUE	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		ATAA 55 2 25H	ATAA 55 2 25N
4.0		ATAA 55 4 25H	ATAA 55 4 25N



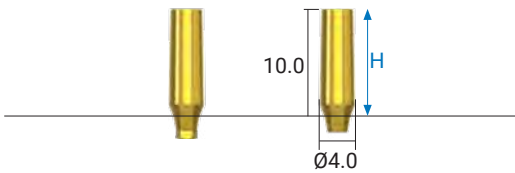
• Abutment Screw **ATAS 20** is included

## Milling Abutment | Pink Connection

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust a path for abutment or customize the margin of prosthesis
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6

### | Diameter Ø4.0

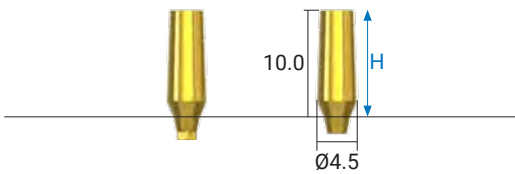


Connection		PINK	
H	Type	Hex	Non-Hex
10.0		KDMA 40H	KDMA 40N



• Abutment Screw **KAS 16** is included

### | Diameter Ø4.5

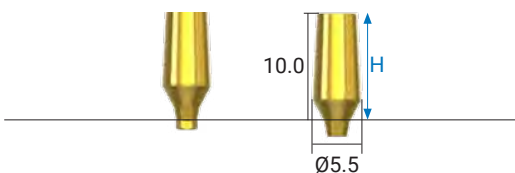


Connection		PINK	
H	Type	Hex	Non-Hex
10.0		KDMA 45H	KDMA 45N



• Abutment Screw **KAS 16** is included

### | Diameter Ø5.5



Connection		PINK	
H	Type	Hex	Non-Hex
10.0		KDMA 55H	KDMA 55N



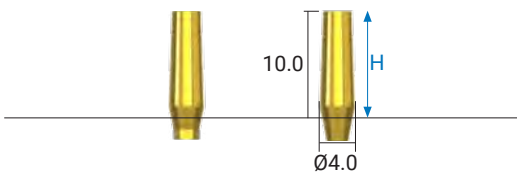
• Abutment Screw **KAS 16** is included

## Milling Abutment | Blue Connection

Unit : mm, Scale 1 : 1.2 / mm

- It is applied to adjust a path for abutment or customize the margin of prosthesis
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 35Ncm
- Hex : 2.5, Screw : M2.0

### | Diameter Ø4.0

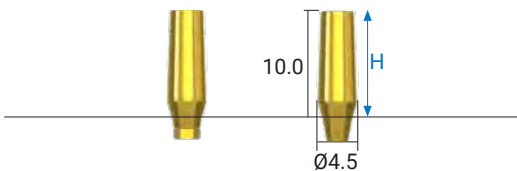


Connection		BLUE	
H	Type	Hex	Non-Hex
10.0		ATDMA 40H	ATDMA 40N



• Abutment Screw **ATAS 20** is included

### | Diameter Ø4.5

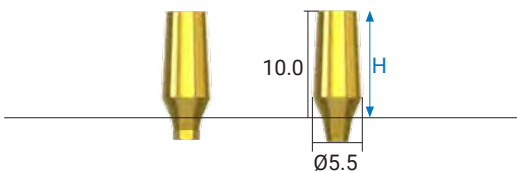


Connection		BLUE	
H	Type	Hex	Non-Hex
10.0		ATDMA 45H	ATDMA 45N



• Abutment Screw **ATAS 20** is included

### | Diameter Ø5.5

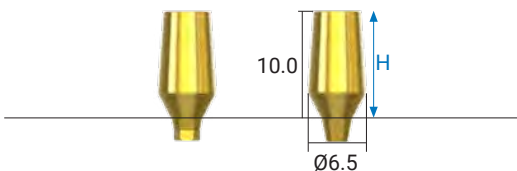


Connection		BLUE	
H	Type	Hex	Non-Hex
10.0		ATDMA 55H	ATDMA 55N



• Abutment Screw **ATAS 20** is included

### | Diameter Ø6.5



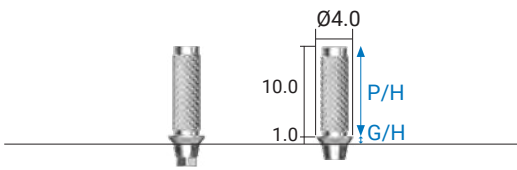
Connection		BLUE	
H	Type	Hex	Non-Hex
10.0		ATDMA 65H	ATDMA 65N



• Abutment Screw **ATAS 20** is included

### Temporary Abutment

Unit : mm, Scale 1 : 1.2 / mm

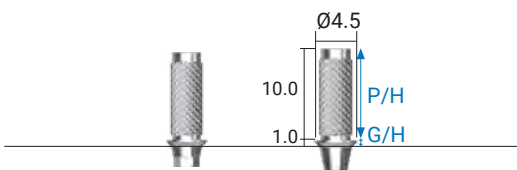


Connection		PINK	
Type		Hex	Non-Hex
G/H \ P/H		10.0	
1.0		KTA 40 H	KTA 40 N

- Use to make the temporary prosthesis
- The structure is easy to customize
- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6



• Abutment Screw **KAS 16** is included



Connection		BLUE	
Type		Hex	Non-Hex
G/H \ P/H		10.0	
1.0		ATTA 45 H	ATTA 45 N

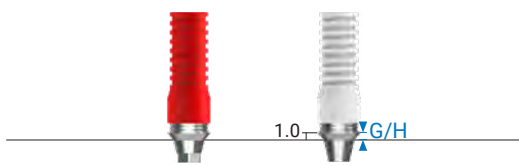
- Use to make the temporary prosthesis
- The structure is easy to customize
- Use 1.25 Hex Driver
- Maximum torque : 35Ncm
- Hex : 2.5, Screw : M2.0



• Abutment Screw **ATAS 20** is included

### CCM Abutment

Unit : mm, Scale 1 : 1.2 / mm



*\*CE/FDA approval is under processing.*

Connection		PINK	
G/H	Type	Hex	Non-Hex
1.0		KCC-H	KCC-N

- Easy manufacturing process due to plastic sleeve
- Improved physical connection strength due to the deep groove on the CCM abutment
- Easy recognition by color on the plastic sleeve
- **Single [red color]** Bridge [white color]
- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Hex : 2.1, Screw : M1.6



• Abutment Screw **KAS 16** is included



*\*CE/FDA approval is under processing.*

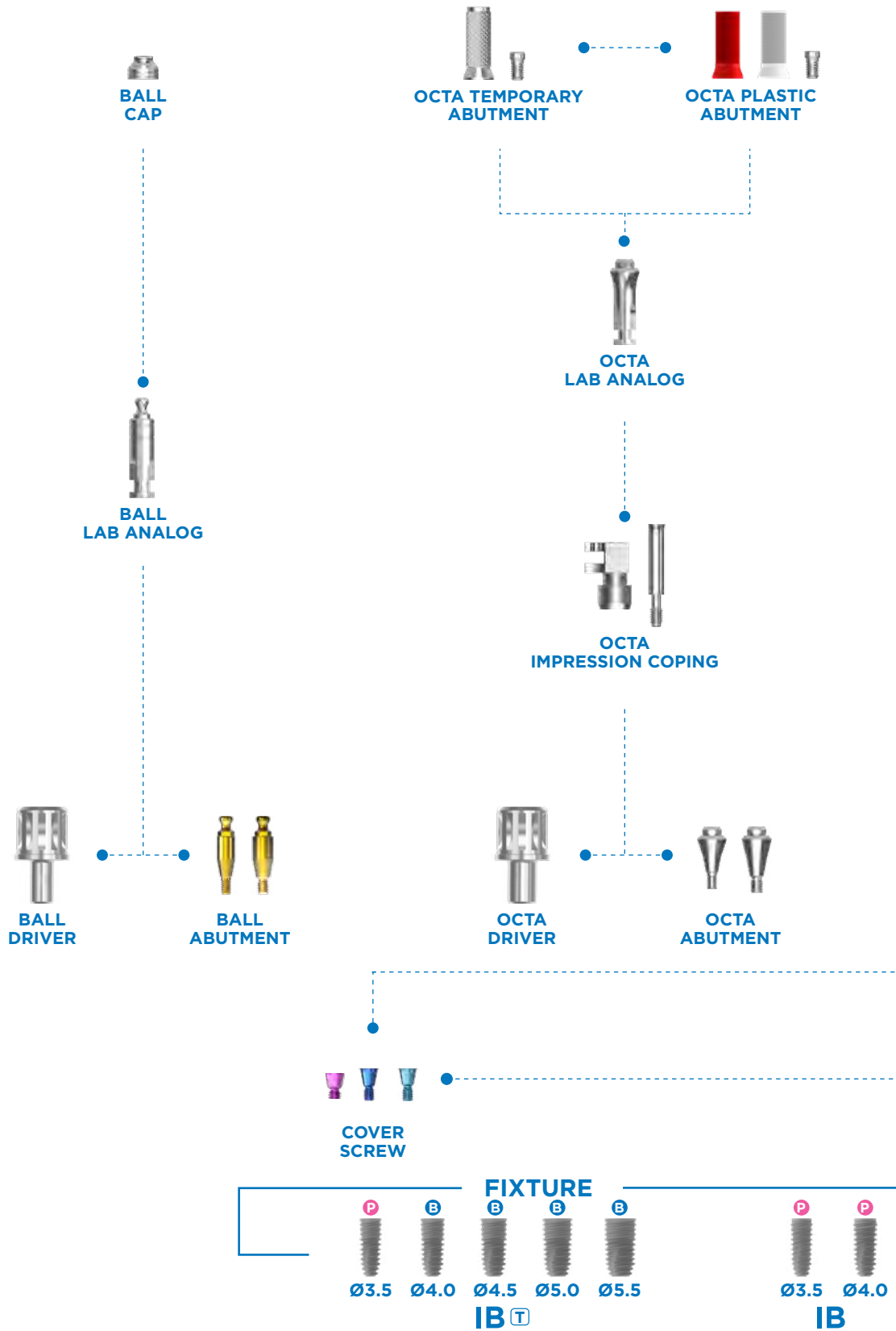
Connection		BLUE	
G/H	Type	Hex	Non-Hex
1.0		ACC-H	ACC-N

- Easy manufacturing process due to plastic sleeve
- Improved physical connection strength due to the deep groove on the CCM abutment
- Easy recognition by color on the plastic sleeve
- **Single [red color]** Bridge [white color]
- Use 1.25 Hex Driver
- Maximum torque : 35Ncm
- Hex : 2.5, Screw : M2.0

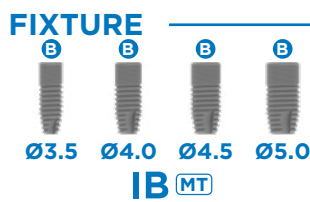
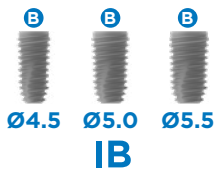
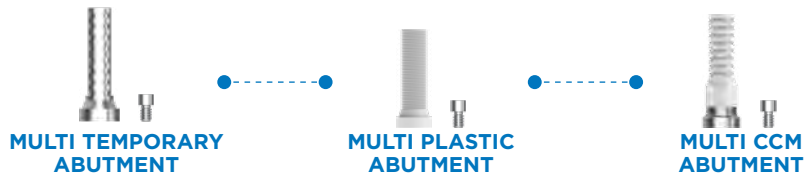


• Abutment Screw **ATAS 20** is included

# Prosthetic Flow Chart Diagrams Overdenture Level



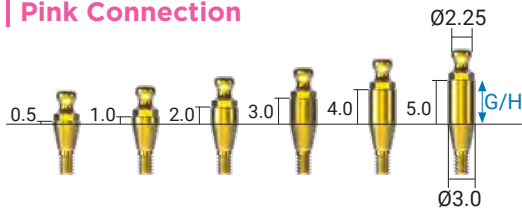
Scale : 1 : 1 / mm



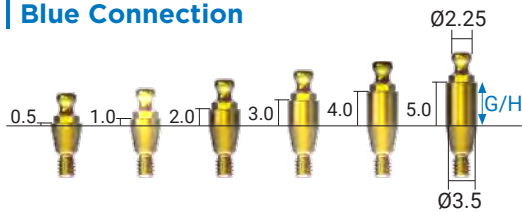
### Ball Abutment

Unit : mm, Scale 1 : 1.2 / mm

#### Pink Connection



#### Blue Connection



Connection	PINK	BLUE
G/H	REF NO.	REF NO.
0.5	KBA 00	ATBA 00
1.0	KBA 10	ATBA 10
2.0	KBA 20	ATBA 20
3.0	KBA 30	ATBA 30
4.0	KBA 40	ATBA 40
5.0	KBA 50	ATBA 50

- Item for ball type over denture prosthesis
- Allow maximum 20 degrees' path
- Use ball driver
- Maximum torque - Pink : 25Ncm / Blue : 35Ncm
- Screw - Pink : M1.6 / Blue : M2.0

### Ball Lab Analog



REF NO.
ATBLA

- Play a role of ball abutment on a working model.

### Ball Cap O-ring Set



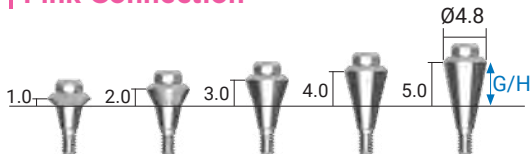
REF NO.
BAC

- Include O-ring (3ea)
- Allow maximum 20 degrees' path
- Replace cycle : 6 months
- O-ring tensile strength : 300-500gf

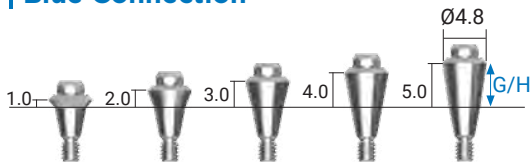
### Octa Abutment

Unit : mm, Scale 1 : 1.2 / mm

#### Pink Connection



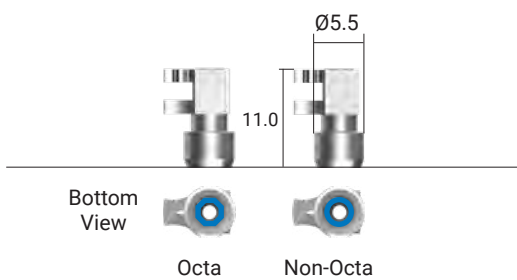
#### Blue Connection



Connection	PINK	BLUE
G/H	REF NO.	REF NO.
1.0	KOSA 10	ATOSA 10
2.0	KOSA 20	ATOSA 20
3.0	KOSA 30	ATOSA 30
4.0	KOSA 40	ATOSA 40
5.0	KOSA 50	ATOSA 50


- Use it for the bridge case prosthesis which deviates from the normal path
- Use octa driver
- Maximum torque - Pink : 25Ncm / Blue : 35Ncm
- Pink : Octa 3.0 / Blue : Octa 3.0
- Screw - Pink : M1.6 / Blue : M2.0

### Octa Impression Coping



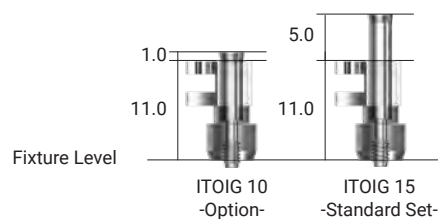
Type	Octa	Non-Octa
-	ITOIP 550	ITOIP 55N

- Pick-up type impression coping with the custom tray
- The item is designed to minimize ill-fitting application in the impression material
- Asymmetric design is applied to minimize adjacent interference
- Height variations (Long & Short) for convenience
- Octa 3.0 / Screw - M2.0

 • Guide Pin ITOIG 15 is included

 \* Option : Guide pin ITOIG 10

#### Octa Impression Coping Guide



## Octa Lab Analog

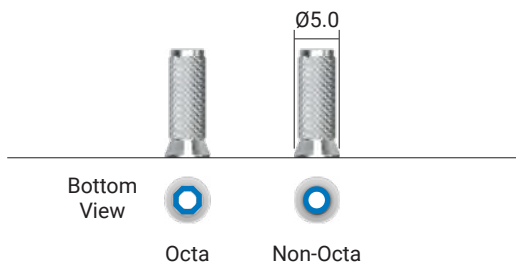
Unit : mm, Scale 1 : 1.2 / mm



REF NO.
<b>ITOLA 30</b>

- Play a role of octa screw abutment on a working model
- Octa 3.0

## Octa Temporary Abutment

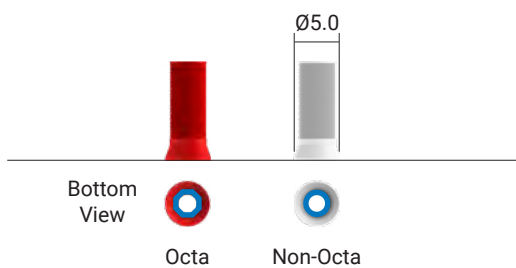


Type	Octa	Non-Octa
-	<b>ITTA 500</b>	<b>ITTA 50N</b>

- Use 1.25 Hex Driver
- Maximum torque : 35Ncm
- Octa 3.0 / Screw - M2.0

 • Screw **ITAS 20S** is included

## Octa Plastic Abutment



Type	Octa	Non-Octa
-	<b>ATPA 480</b>	<b>ATPA 48N</b>

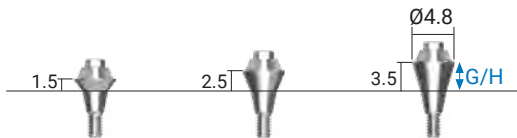
- Octa-screw abutment for screw-retained prosthesis
- Use 1.25 Hex Driver
- Maximum torque : 35Ncm
- Octa 3.0 / Screw - M2.0

 • Screw **ITAS 20S** is included

### Multi Straight Abutment

Unit : mm, Scale 1 : 1.2 / mm

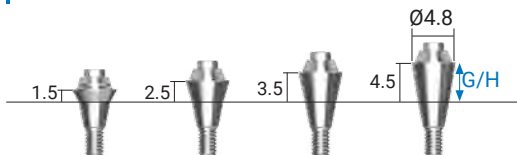
#### Pink Connection



\*CE/FDA approval is under processing.

Connection	PINK	BLUE
G/H	REF NO.	REF NO.
1.5	KMS-15	AMS-15
2.5	KMS-25	AMS-25
3.5	KMS-35	AMS-35
4.5	-	AMS-45

#### Blue Connection



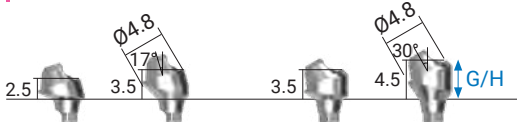
- Use multi driver
- Use it for the bridge case prosthesis which deviates from the normal path
- Maximum torque - Pink : 25Ncm / Blue : 35Ncm
- Screw - Pink : M1.6 / Blue : M2.0



• Handle **KAH-14M** is included (Pink) (Blue)

### Multi Angled Abutment

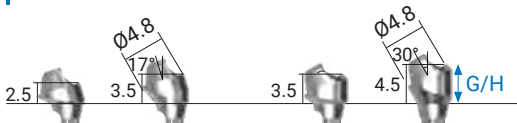
#### Pink Connection



\*CE/FDA approval is under processing.

Connection	PINK		BLUE		
	Angle	17°	30°	17°	30°
2.5		KMA-2517	-	AMA-2517	-
3.5		KMA-3517	KMA-3530	AMA-3517	AMA-3530
4.5		-	KMA-4530	-	AMA-4530

#### Blue Connection



- It is applied to adjust a path for prosthesis with its 17°, 30° axial angle
- Use it for the bridge case prosthesis which deviates from the normal path
- Maximum torque - Pink : 25Ncm / Blue : 35Ncm
- Screw - Pink : M1.6 / Blue : M2.0



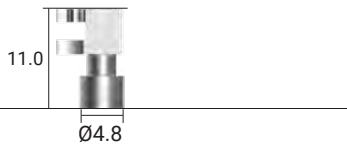
• Handle **KAH-14M** is included (Pink) (Blue)

• Screw **KAS-16M** is included (Pink)

• Screw **AAS-20M** is included (Blue)

### Multi Pick-up Impression Coping

Unit : mm, Scale 1 : 1.2 / mm



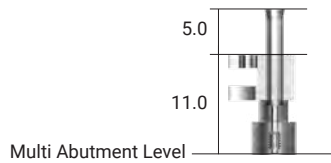
*\*CE/FDA approval is under processing.*

REF NO.
KIP-M

- Pick-up type impression coping with the custom tray
- The item is designed to minimize ill-fitting application in the impression material
- Asymmetric design is applied to minimize adjacent interference
- Screw - M1.4

 • Guide Pin **KGP-ML** is included

#### Multi Pick-up Impression Coping Guide



### Multi Transfer Impression Coping



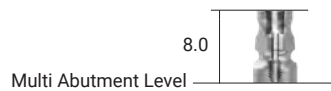
*\*CE/FDA approval is under processing.*

REF NO.
KIT-M

- Transfer type impression coping with the custom tray
- Screw - M1.4
- Multi transfer impression coping guide

 • Guide Pin **KGP-MS** is included

#### Multi Transfer Impression Coping Guide



### Multi Lab Analog



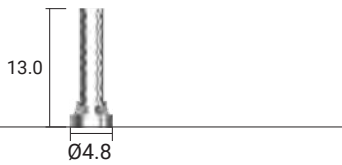
*\*CE/FDA approval is under processing.*

REF NO.
KAL-M

- Play a role of multi abutment on a working model.

### Multi Temporary Abutment

Unit : mm, Scale 1 : 1.2 / mm



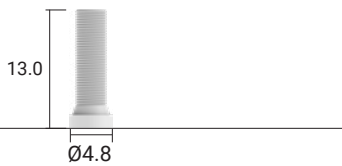
*\*CE/FDA approval is under processing.*

REF NO.  
KTA-M

- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Screw - M1.4

 • Screw **KPS-14M** is included

### Multi Plastic Abutment



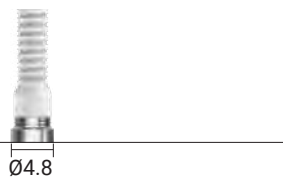
*\*CE/FDA approval is under processing.*

REF NO.  
EEPAN48

- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Screw - M1.4

 • Screw **KPS-14M** is included

### Multi CCM Abutment



*\*CE/FDA approval is under processing.*

REF NO.  
KCC-M

- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Screw - M1.4

 • Screw **KPS-14M** is included

### Multi Protect Cap

Unit : mm, Scale 1 : 1.2 / mm



Ø4.8

*\*CE/FDA approval is under processing.*

REF NO.

KPC-M

- Protect the multi abutment and minimizing mucosal irritation



- Screw **KPS-14M** is included

### Multi Polishing Protector



Ø4.8

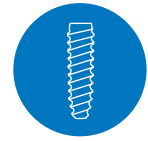
*\*CE/FDA approval is under processing.*

REF NO.

KPP-M

- Protect the physical connection of the prosthetics during polishing

# Internal Bone Level - mini **IB mini System**



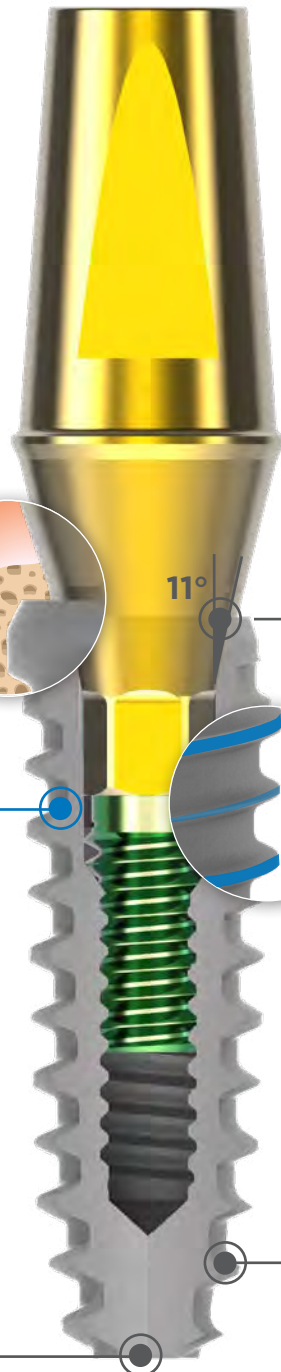
IB mini



Mini Size

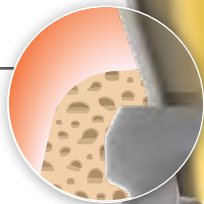


CONNECTION



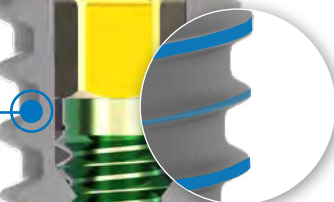
### Platform Switching

Reduces the risk of inflammatory cell infiltration  
Greatly contributes to marginal bone preservation and soft tissue attachment



### Small but Strong

Suitable for narrow interdental space like maxillary lateral incisors as well as mandibular incisors



### Morse Tapered Hex Connection

Provides anti-rotation and allows for convenient indexing of the abutment  
Distributes the load to the fixture evenly and helps to reduce the micro movement

11°

### Hybrid Double Thread

Allows Easier and quicker implant insertion in various bone condition  
Helps to reduce bone stress during insertion and penetrate the bone with ease

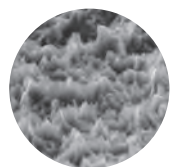
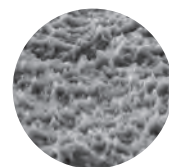


### 3 Blade Cutting Edge

Self-tapping function allows smooth insertion with minimal bone destruction  
Rounded implant apex reduces risk of bone perforation

x3.0k

x5.0k



### S.L.A Surface Treatment Sandblasted, Large grits, Acid etched

Most researched and proven surface technology

# Internal Bone Level - mini IB **mini** Fixture Line-Up



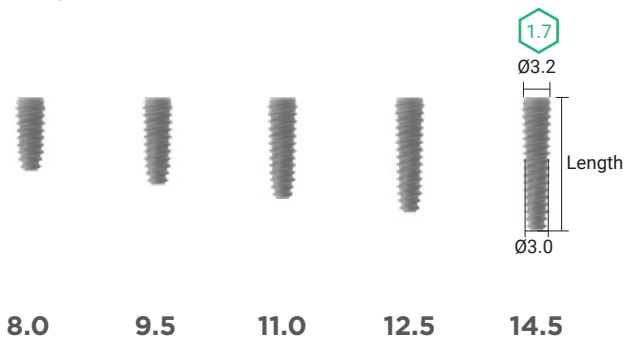
\*Recommended placement torque : less than 40Ncm (to prevent any damage)

IB **mini** SYSTEM

Unit : mm, Scale 1 : 1.2 / mm

Body Ø3.0 | Thread(Maximum) Ø3.2

\*MFX-XX XX SD:Double hex



Connection	GREEN	
	Double Hex	Single Hex
Length		
7.0	KM 30 <b>08</b> SA	MFX-32 <b>08</b> S
8.0	KM 30 <b>10</b> SA	MFX-32 <b>10</b> S
9.5	KM 30 <b>11</b> SA	MFX-32 <b>11</b> S
11.0	KM 35 <b>13</b> SA	MFX-32 <b>13</b> S
14.5	KM 35 <b>15</b> SA	MFX-32 <b>15</b> S

• Cover screw **KMCS 14** is included

**Cover Screw**

Unit : mm, Scale 1 : 1.2 / mm

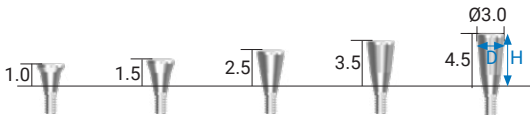


Connection	<b>GREEN</b>
-	KMCS14

- Use 1.25 Hex Driver
- Optimum torque : 5-8Ncm
- Screw - M1.4

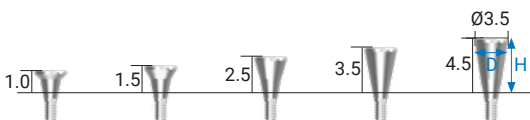
**Healing Abutment**

**| Diameter Ø3.0**



Connection	<b>GREEN</b>
H	REF NO.
1.0	KMHA 30 <b>10</b>
1.5	KMHA 30 <b>15</b>
2.5	KMHA 30 <b>25</b>
3.5	KMHA 30 <b>35</b>
4.5	KMHA 30 <b>45</b>

**| Diameter Ø3.5**



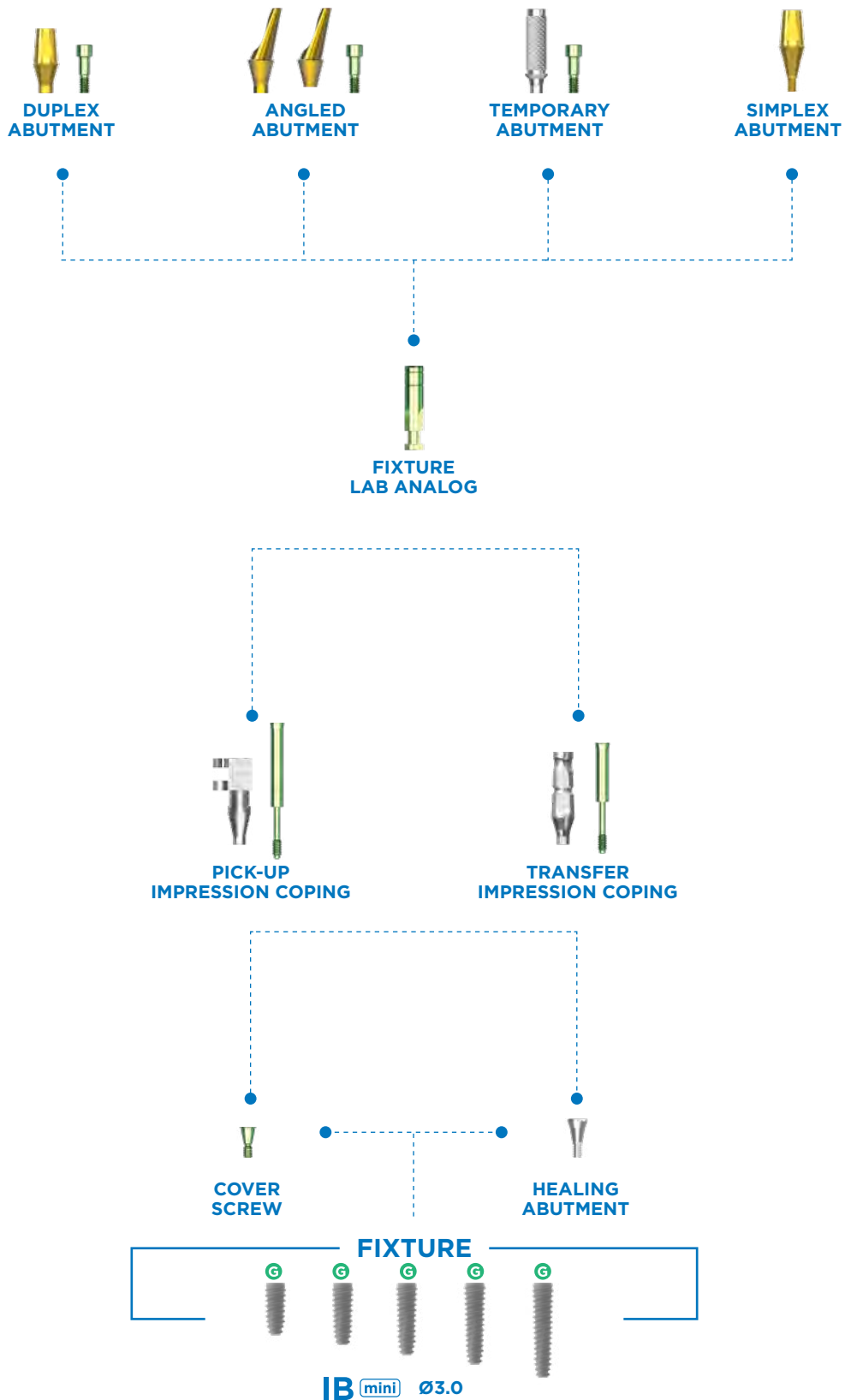
Connection	<b>GREEN</b>
H	REF NO.
1.0	KMHA 35 <b>10</b>
1.5	KMHA 35 <b>15</b>
2.5	KMHA 35 <b>25</b>
3.5	KMHA 35 <b>35</b>
4.5	KMHA 35 <b>45</b>

- Use 1.25 Hex Driver
- Optimum torque : 8-10Ncm
- Screw - M1.4

# Prosthetic Flow Chart Diagrams

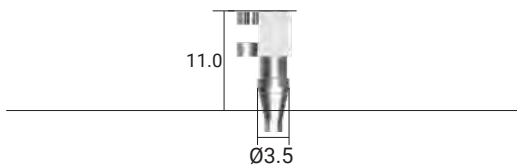
## Fixture Level

Scale : 1 : 1 / mm



### Pick-up Impression Coping

Unit : mm, Scale 1 : 1.2 / mm



Connection	<b>GREEN</b>
-	KMIP35H

- Pick-up type impression coping with the custom tray
- Hex 1.7 / Screw - M1.4

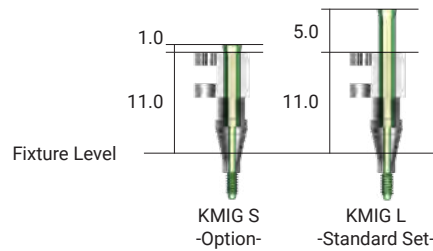


• Guide Pin **KMIGL** is included

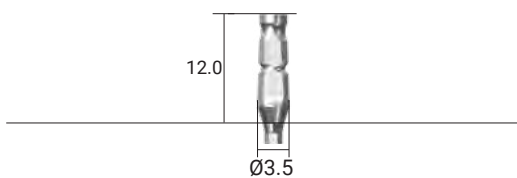


\* Option : Guide pin **KMIGS**

#### Pick-up Impression Coping Guide



### Transfer Impression Coping



Connection	<b>GREEN</b>
-	KMIT35H

- Transfer type impression coping with the custom tray
- Hex 1.7 / Screw -M1.4

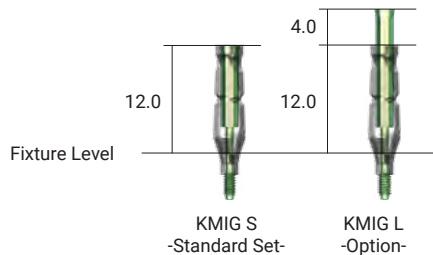


\* Guide pin **KMIGS** is included



\* Option : Guide Pin **KMIGL**

#### Transfer Impression Coping Guide



### Fixture Lab Analog



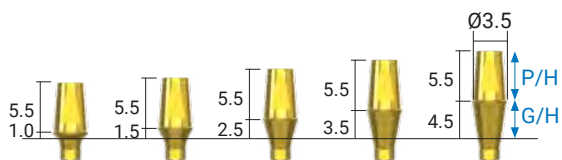
Connection	<b>GREEN</b>
-	KMFLA30

- Play a role of fixture on a working model.

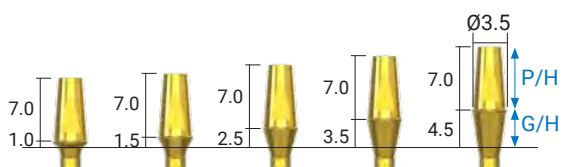
## Duplex Abutment

Unit : mm, Scale 1 : 1.2 / mm

- Designed for general cement type prosthesis
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex 1.7 / Screw - M1.4



Connection		GREEN
G/H	P/H	5.5
1.0		KMDA 35 <b>10</b> 55H
1.5		KMDA 35 <b>15</b> 55H
2.5		KMDA 35 <b>25</b> 55H
3.5		KMDA 35 <b>35</b> 55H
4.5		KMDA 35 <b>45</b> 55H



Connection		GREEN
G/H	P/H	7.0
1.0		KMDA 35 <b>10</b> 70H
1.5		KMDA 35 <b>15</b> 70H
2.5		KMDA 35 <b>25</b> 70H
3.5		KMDA 35 <b>35</b> 70H
4.5		KMDA 35 <b>45</b> 70H



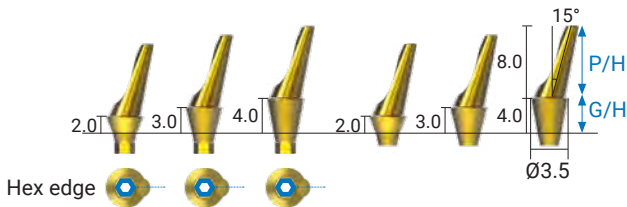
• Abutment Screw **KMAS 14** is included

### Angled Abutment

Unit : mm, Scale 1 : 1.2 / mm

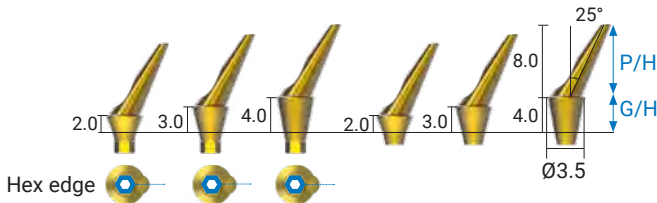
- It is applied to adjust a path for prosthesis with its 15°, 25° axial angle
- 22° tapered structure for stable connection
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Hex 1.7 / Screw - M1.4

#### | Angled 15°



Connection		GREEN	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		KMAA 35 2 15H	KMAA 35 2 15N
3.0		KMAA 35 3 15H	KMAA 35 3 15N
4.0		KMAA 35 4 15H	KMAA 35 4 15N

#### | Angled 25°

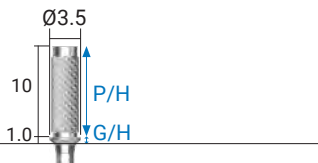


Connection		GREEN	
Type		Hex	Non-Hex
G/H	P/H	8.0	
2.0		KMAA 35 2 25H	KMAA 35 2 25N
3.0		KMAA 35 3 25H	KMAA 35 3 25N
4.0		KMAA 35 4 25H	KMAA 35 4 25N



• Abutment Screw **KMAS 14** is included

### Temporary Abutment



Connection		GREEN
-		KMTA35H

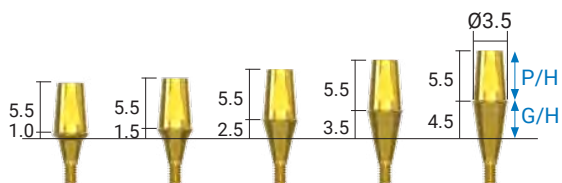
- Use 1.25 Hex Driver
- Maximum torque : 25Ncm
- Hex : 1.7, Screw : M1.4



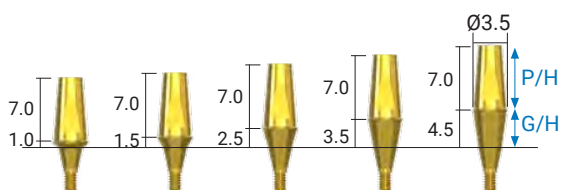
• Abutment Screw **KMAS 14** is included

### Simplex Abutment

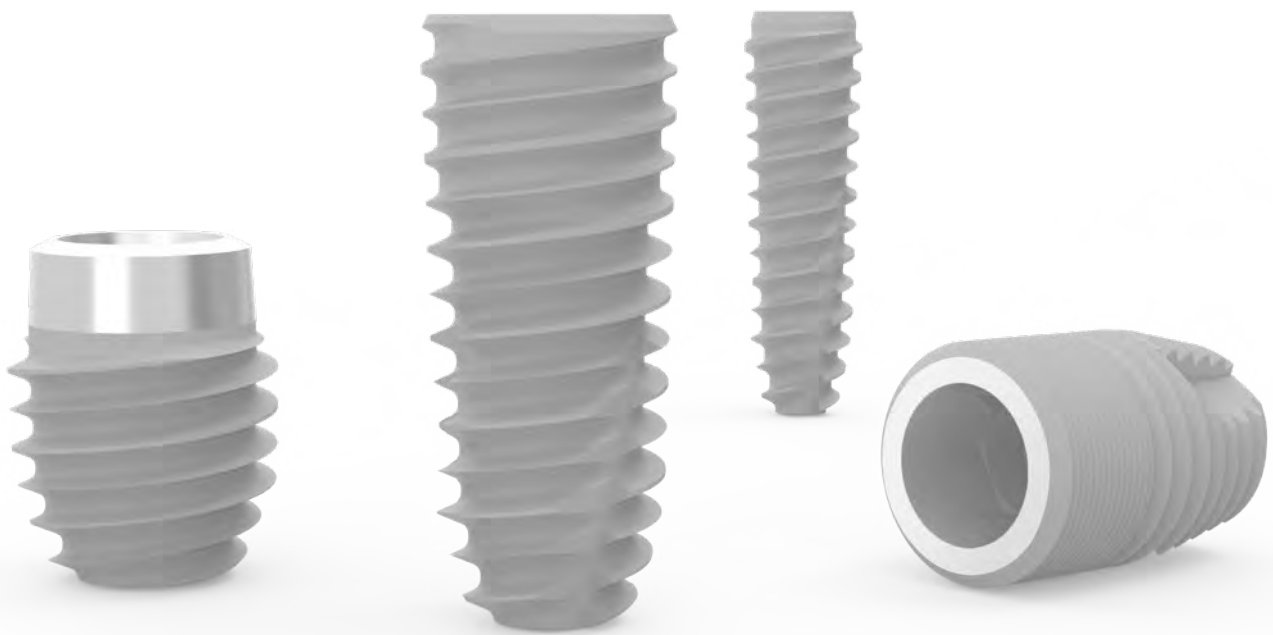
- Designed for general cement type prosthesis
- One body structure (abutment with screw)
- Colored in gold for aesthetic satisfaction
- Use 1.25 Hex driver
- Maximum torque : 25Ncm
- Screw - M1.4



Connection		GREEN
G/H	P/H	5.5
1.0		KMSA 35 <b>10</b> 55
1.5		KMSA 35 <b>15</b> 55
2.5		KMSA 35 <b>25</b> 55
3.5		KMSA 35 <b>35</b> 55
4.5		KMSA 35 <b>45</b> 55



Connection		GREEN
G/H	P/H	7.0
1.0		KMSA 35 <b>10</b> 70
1.5		KMSA 35 <b>15</b> 70
2.5		KMSA 35 <b>25</b> 70
3.5		KMSA 35 <b>35</b> 70
4.5		KMSA 35 <b>45</b> 70



# GENUINE DIFFERENCE

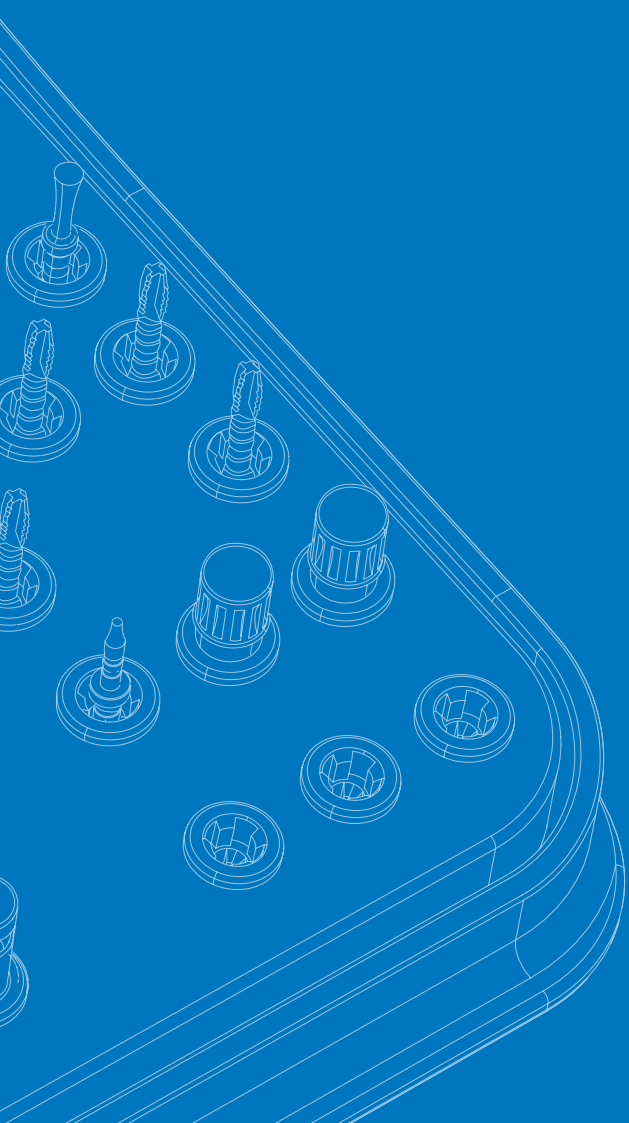


# G<sup>®</sup>D<sub>1</sub>FF

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# KIT

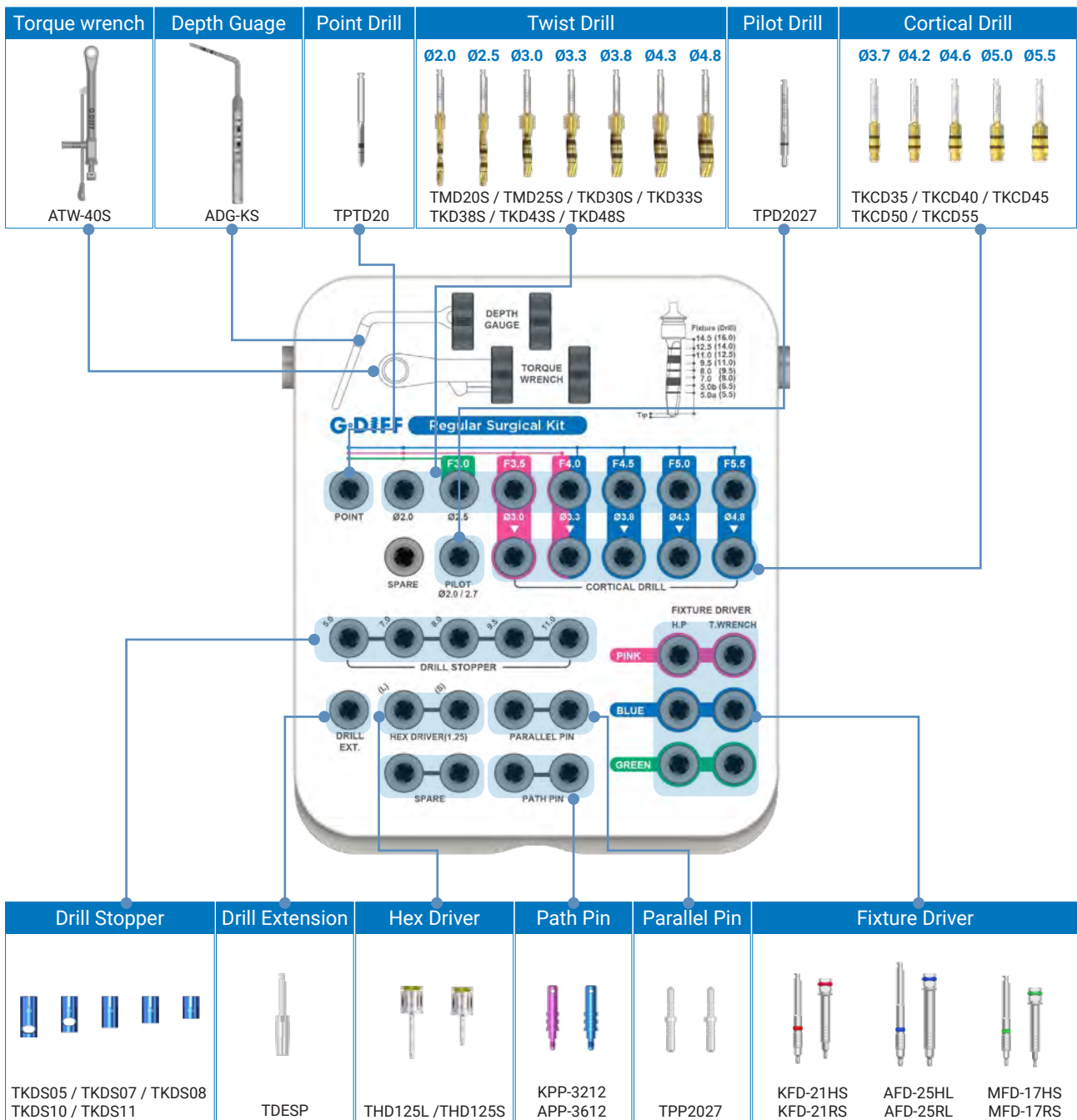
**REGULAR SURGICAL KIT**  
**ADVANCED SURGICAL KIT**  
**PROSTHETIC KIT**  
**BONE COLLECTOR KIT**



# Instrument Regular Surgical Kit

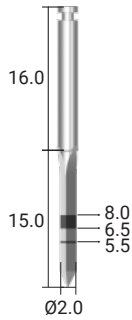
REF.NO

GSK-RS



**Point Drill**

Unit : mm, Scale 1 : 1.2 / mm



D	REF.NO
Ø2.0	TPTD20

- The density of bone can be noticed during initial drilling
- Easily marking and forming a hole on the bone for initial drilling

**Twist Drill**



D	REF.NO
Ø2.0	TMD20S
Ø2.5	TMD25S
Ø3.0	TKD30S
Ø3.3	TKD33S
Ø3.8	TKD38S
Ø4.3	TKD43S
Ø4.8	TKD48S

- Twisted structure for excellent cutting ability
- TiN coating for anti-abrasion and anti-corrosion effect

*\*Note : Since the Ø2.0 and Ø2.5 drills are used for placing Ø3.0 fixtures, the connection with the stopper is designed to be narrower than the connection of drills larger than 3.0mm.*

**Pilot Drill**



D	REF.NO
Ø2.0 / Ø2.7	TPD2027

- Use is when change the path of drilling hole
- have laser marking to figure out the hole depth

### Cortical Drill

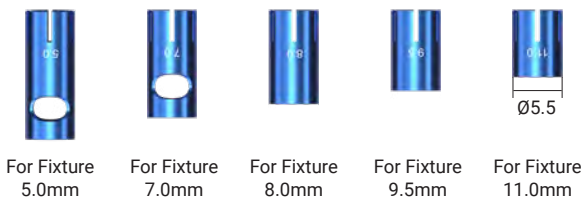
Unit : mm, Scale 1 : 1.2 / mm



D	REF.NO
Ø3.7	TKCD35
Ø4.2	TKCD40
Ø4.6	TKCD45
Ø5.0	TKCD50
Ø5.5	TKCD55

- Variations by the diameter of fixtures
- Used to enlarge the hole on the cortical bone

### Drill Stopper



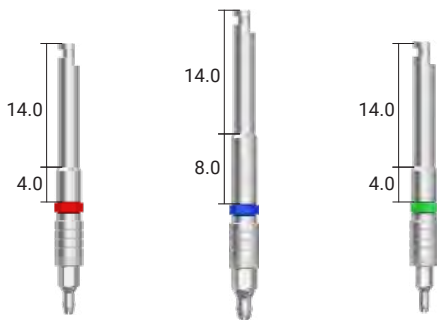
Drilling Depth	Stopper Length	REF.NO
5.5	14.5	TKDS05
8.0	12.0	TKDS07
9.5	10.5	TKDS08
11.0	9.0	TKDS10
12.5	7.5	TKDS11

- Used to stop drilling at designated length

## Fixture Driver

Unit : mm, Scale 1 : 1.2 / mm

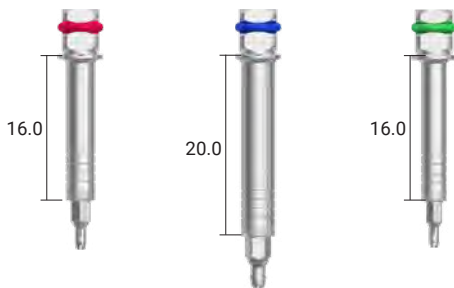
### | For Handpiece



Connection	PINK	BLUE	GREEN
-	KFD-21HS	AFD-25HL	MFD-17HS

- Colored ( Pink / Blue / Green ) to identify the diameter

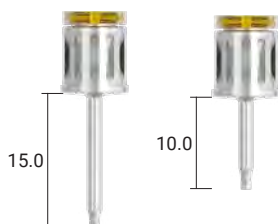
### | For Torque Wrench



Connection	PINK	BLUE	GREEN
-	KFD-21RS	AFD-25RL	MFD-17RS

- Colored ( Pink / Blue / Green ) to identify the diameter

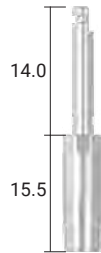
## Hex Driver | 1.25



Type	REF.NO
Long	THD125L
Short	THD125S

### Drill Extension

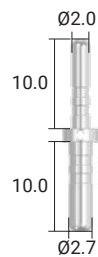
Unit : mm, Scale 1 : 1.2 / mm



REF.NO
TDESP

- Extension of drills for hand piece
- Connect the flat surface of the drill with the flat surface of the drill extension
- No excessive power is allowed for the connection

### Parallel Pin



D	REF.NO
Ø2.0 / Ø2.7	TPP2027

- Insert this parallel pin into the hole on the bone to check out the path and parallelism
- Thread hole to prevent it from dropping into the throat

### Path Pin



Connection	<b>PINK</b>	<b>BLUE</b>
-	KPP-3212	APP-3612

- Used to check parallelism after implant placement

## Depth Gauge

Unit : mm, Scale 1 : 1 / mm

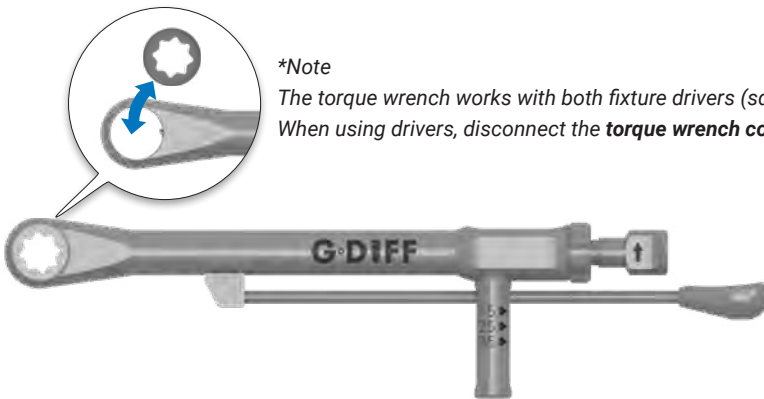


REF.NO

ADG-KS

- After drilling, use for the depth measurement

## Torque Wrench



*\*Note*

The torque wrench works with both fixture drivers (square connection) and drivers (round connection).  
When using drivers, disconnect the **torque wrench connector(ATW-CN)** from the torque wrench.

REF.NO

ATW-40S

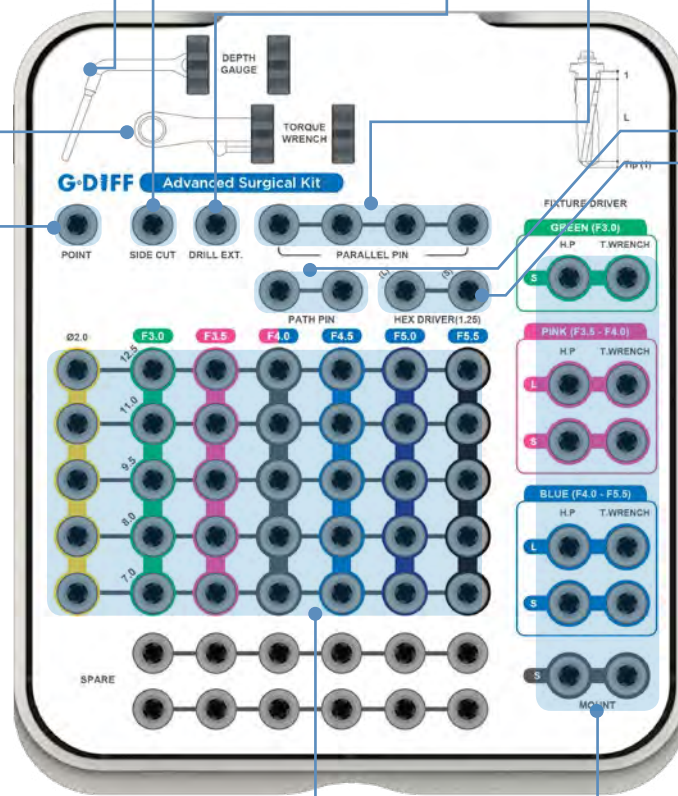
- Use when implant placement or tightening the abutment, screw or etc.
- Locate to the center of bar at the wanted torque value
- Torque to tighten : 15~35Ncm
















# Instrument Advanced Surgical Kit

REF.NO

GSK-AL

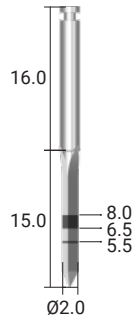
Point Drill	Torque wrench	Depth Gauge	Side Cut Drill	Drill Extension	Parallel Pin	Path Pin	Hex Driver
							
TPTD20	ATW-40S	ADG-KS	TSC20S	TDESP	TPP2027	KPP-3212 APP-3612	THD125L/THD125S



Step Drill				Fixture Driver						
										
TSD2007	TSD3007	TSD3507	TSD4007	MFD-17HS	KFD-21HL	KFD-21RL	AFD-25HL	AFD-25RL	THC350	TRA350SS
TSD2008	TSD3008	TSD3508	TSD4008	MFD-17RS	KFD-21HS	KFD-21RS	AFD-25HS	AFD-25RS		
TSD2010	TSD3010	TSD3510	TSD4010							
TSD2011	TSD3011	TSD3511	TSD4011							
TSD2013	TSD3013	TSD3513	TSD4013							
										
TSD4507	TSD5007	TSD5507	TSD5507							
TSD4508	TSD5008	TSD5508	TSD5508							
TSD4510	TSD5010	TSD5510	TSD5510							
TSD4511	TSD5011	TSD5511	TSD5511							
TSD4513	TSD5013	TSD5513	TSD5513							

### Point Drill

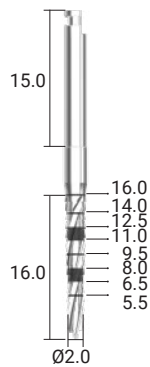
Unit : mm, Scale 1 : 1.2 / mm



D	REF.NO
Ø2.0	TPTD20

- The density of bone can be noticed during initial drilling
- Easily marking and forming a hole on the bone for initial drilling

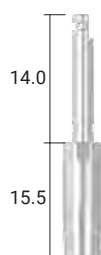
### Side Cut Drill



D	REF.NO
Ø2.0	TSC20S

- The density of bone can be noticed during initial drilling
- Easily marking and forming a hole on the bone for initial drilling

### Drill Extension



REF.NO
TDESP

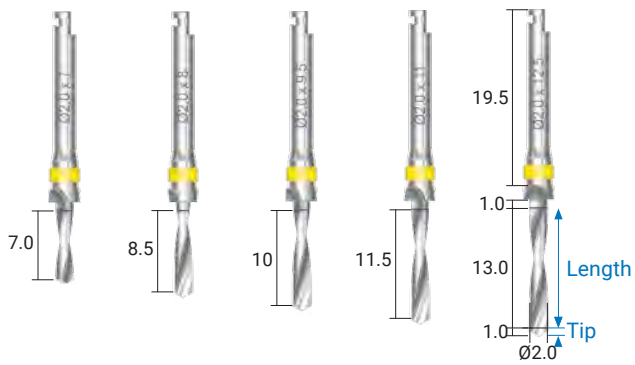
- Extension of drills for hand piece
- Connect the flat surface of the drill with the flat surface of the drill extension
- No excessive power is allowed for the connection

**Step Drill**

Unit : mm, Scale 1 : 1.2 / mm

- Variations by the diameter of fixtures
- Color marking at the shank to recognize the size easily

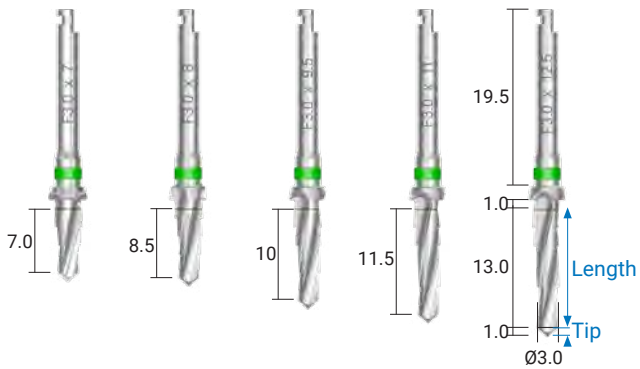
**| Ø2.0**



Length	REF.NO
7.0	TSD2007
8.0	TSD2008
9.5	TSD2010
11.0	TSD2011
12.5	TSD2013

\*Length is not included the Tip (1mm) at the apex

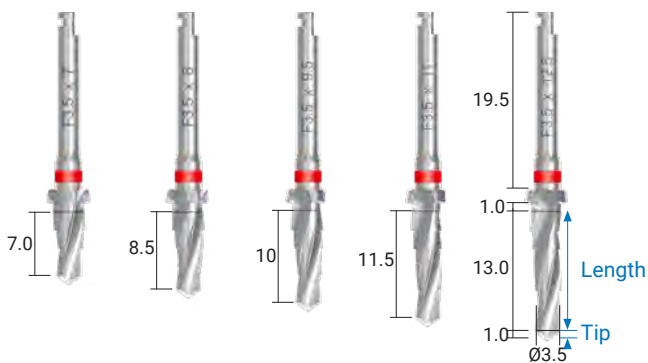
**| F3.0 (Ø3.0)**



Length	REF.NO
7.0	TSD3007
8.0	TSD3008
9.5	TSD3010
11.0	TSD3011
12.5	TSD3013

\*Length is not included the Tip (1mm) at the apex

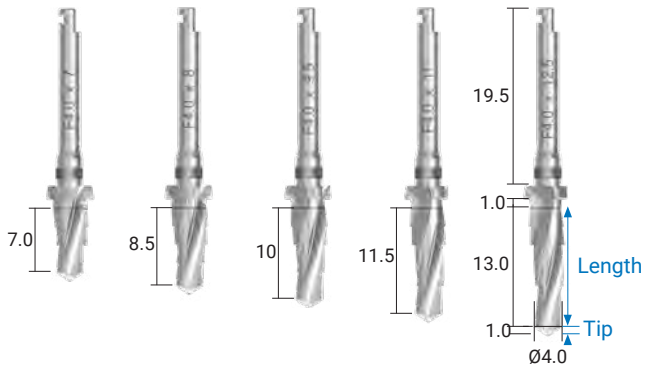
**| F3.5 (Ø3.5)**



Length	REF.NO
7.0	TSD3507
8.0	TSD3508
9.5	TSD3510
11.0	TSD3511
12.5	TSD3513

\*Length is not included the Tip (1mm) at the apex

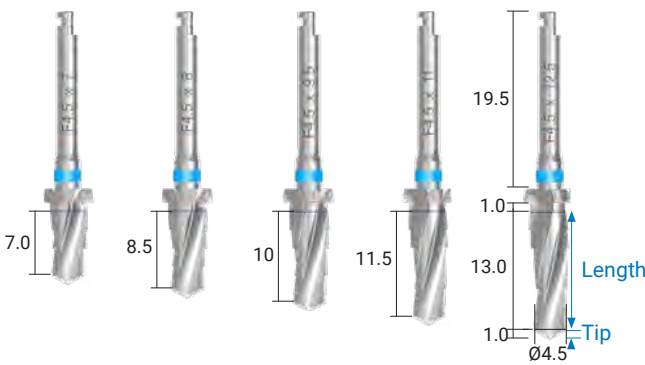
**| F4.0 (Ø4.0)**



Length	REF.NO
7.0	TSD4007
8.0	TSD4008
9.5	TSD4010
11.0	TSD4011
12.5	TSD4013

\*Length is not included the Tip (1mm) at the apex

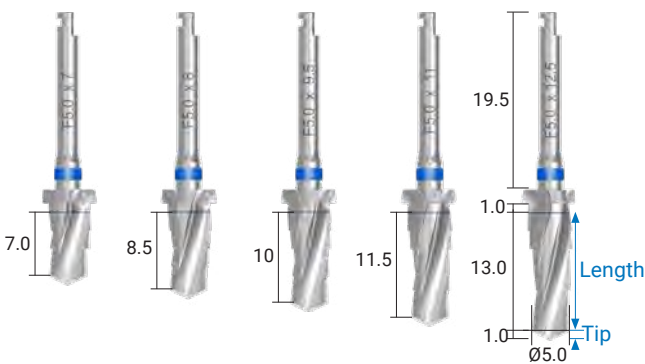
**| F4.5 (Ø4.5)**



Length	REF.NO
7.0	TSD4507
8.0	TSD4508
9.5	TSD4510
11.0	TSD4511
12.5	TSD4513

\*Length is not included the Tip (1mm) at the apex

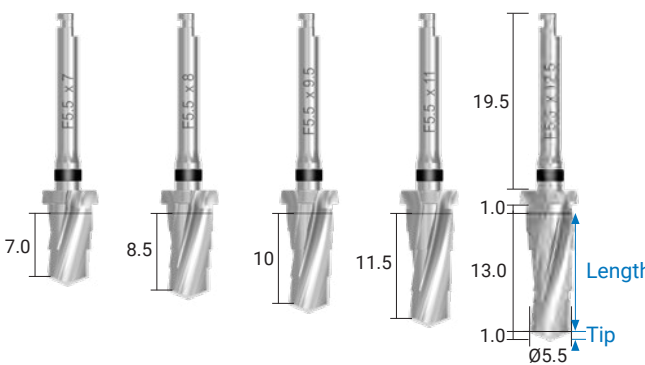
**| F5.0 (Ø5.0)**



Length	REF.NO
7.0	TSD5007
8.0	TSD5008
9.5	TSD5010
11.0	TSD5011
12.5	TSD5013

\*Length is not included the Tip (1mm) at the apex

**| F5.5 (Ø5.5)**



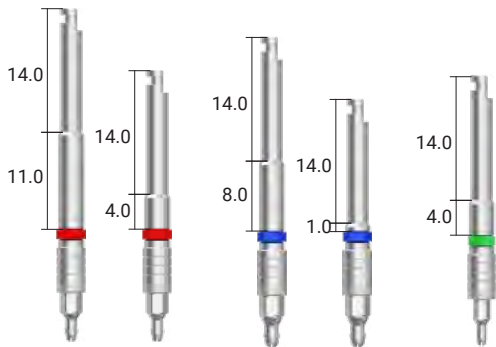
Length	REF.NO
7.0	TSD5507
8.0	TSD5508
9.5	TSD5510
11.0	TSD5511
12.5	TSD5513

\*Length is not included the Tip (1mm) at the apex

### Fixture Driver

Unit : mm, Scale 1 : 1.2 / mm

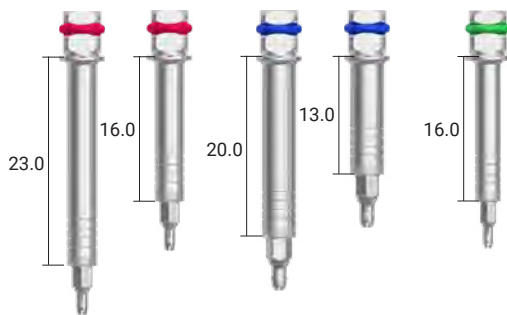
#### | For Handpiece



Type \ Con.	PINK	BLUE	GREEN
Long	KFD-21HL	AFD-25HL	-
Short	KFD-21HS	AFD-25HS	MFD-17HS

- Colored ( Pink / Blue / Green ) to identify the diameter easily

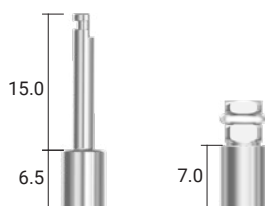
#### | For Torque Wrench



Type \ Con.	PINK	BLUE	GREEN
Long	KFD-21RL	AFD-25RL	-
Short	KFD-21RS	AFD-25RS	MFD-17RS

- Colored ( Pink / Blue / Green ) to identify the diameter easily

#### | For Mount

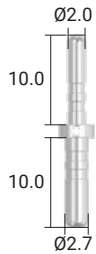


Type	For handpiece	For Torque Wrench
Short	THC350	TRA350SS

- Used for the handpiece or torque wrench in the case of installation of fixture with the mount

### Parallel Pin

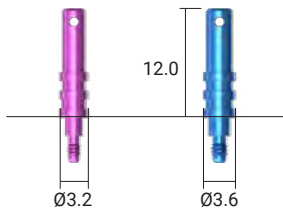
Unit : mm, Scale 1 : 1.2 / mm



D	REF.NO
Ø2.0 / Ø2.7	TPP2027

- Insert this parallel pin into the hole on the bone to check out the path and parallelism

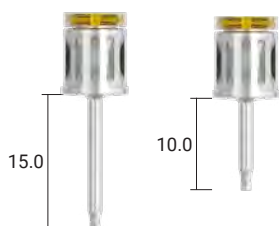
### Path Pin



Connection	PINK	BLUE
-	KPP-3212	APP-3612

- Used to check parallelism after implant placement

### Hex Driver | 1.25



Type	REF.NO
Long	THD125L
Short	THD125S

## Depth Gauge

Unit : mm, Scale 1 : 1 / mm

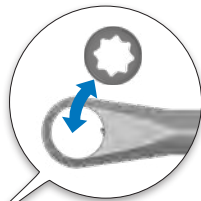


REF.NO

ADG-KS

- After drilling, use for the depth measurement

## Torque Wrench



*\*Note*

*The torque wrench works with both fixture drivers (square connection) and drivers (round connection).  
When using drivers, disconnect the **torque wrench connector(ATW-CN)** from the torque wrench.*



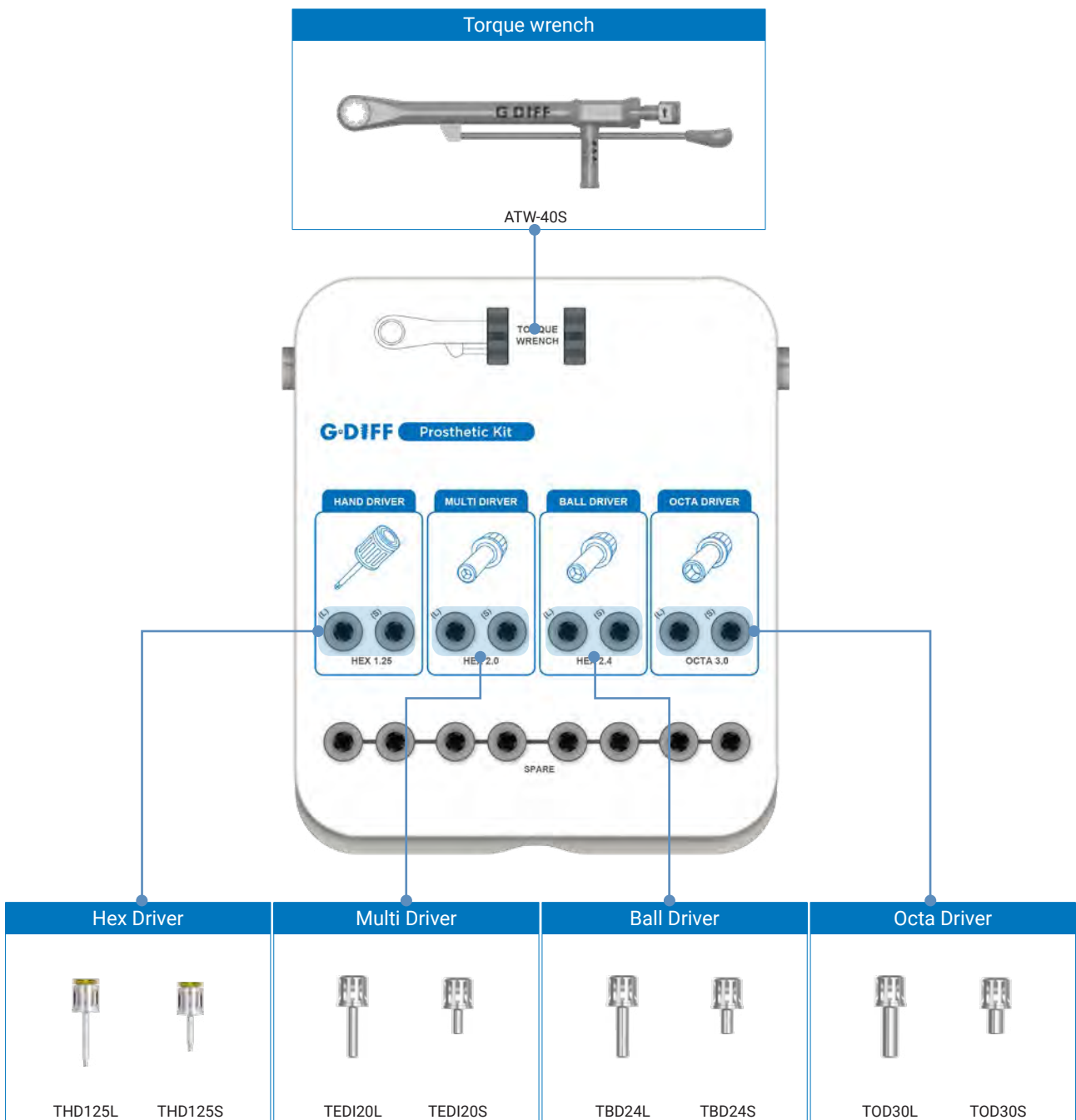
REF.NO

ATW-40S

- Use when implant placement or tightening the abutment, screw or etc.
- Locate to the center of bar at the wanted torque value
- Torque to tighten : 15~35Ncm
- Wash and sterilize after use

# Instrument Prosthetic Kit

REF.NO
GSK-PS



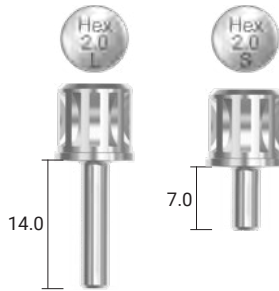
### Hex Driver | 1.25

Unit : mm, Scale 1 : 1.2 / mm



Type	REF.NO
Long	THD125L
Short	THD125S

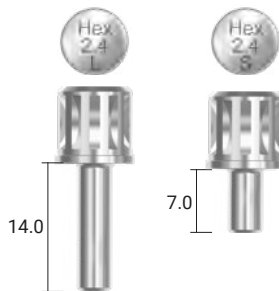
### Multi Driver



Type	REF.NO
Long	TEDI20L
Short	TEDI20S

- Use only for multi abutment
- Hex 2.0

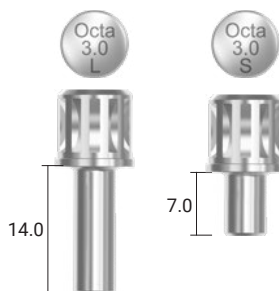
### Ball Driver



Type	REF.NO
Long	TBD24L
Short	TBD24S

- Use only for ball abutment
- Hex 2.4

### Octa Driver

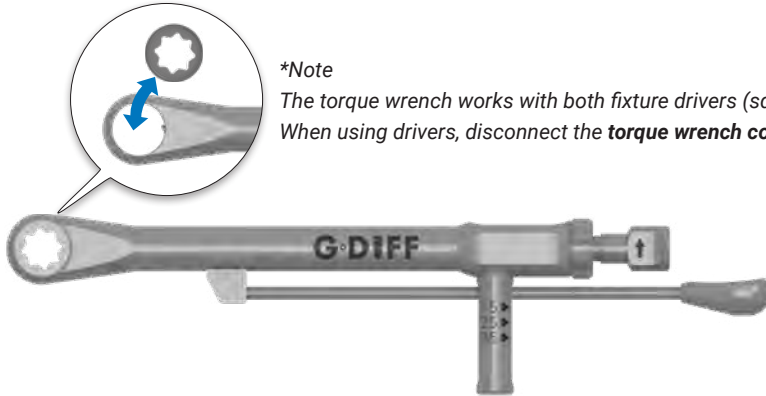


Type	REF.NO
Long	TOD30L
Short	TOD30S

- Use only for octa abutment
- Octa 3.0

## Torque Wrench

Unit : mm, Scale 1 : 1 / mm



**\*Note**

The torque wrench works with both fixture drivers (square connection) and drivers (round connection).  
When using drivers, disconnect the **torque wrench connector(ATW-CN)** from the torque wrench.

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REF.NO

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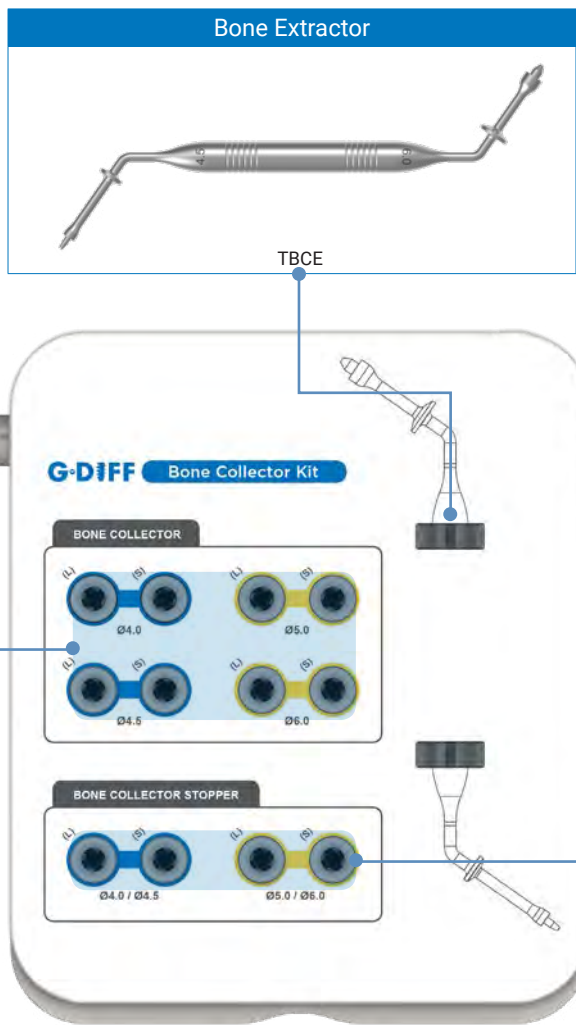
ATW-40S

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- Use when implant placement or tightening the abutment, screw or etc.
- Locate to the center of bar at the wanted torque value
- Torque to tighten : 15~35Ncm
- Wash and sterilize after use

# Instrument Bone Collector Kit

REF.NO
GSK-BCS



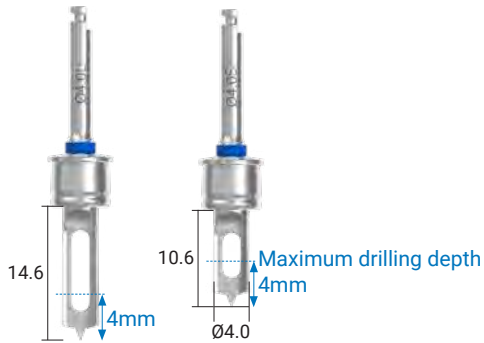
Bone Collector								Bone Collector Stopper			
Ø4.0		Ø4.5		Ø5.0		Ø6.0					
TBC40L	TBC40S	TBC45L	TBC45S	TBC50L	TBC50S	TBC60L	TBC60S	TBC45L	TBC45S	TBC60L	TBC60S

### Bone Collector

Unit : mm, Scale 1 : 1.2 / mm

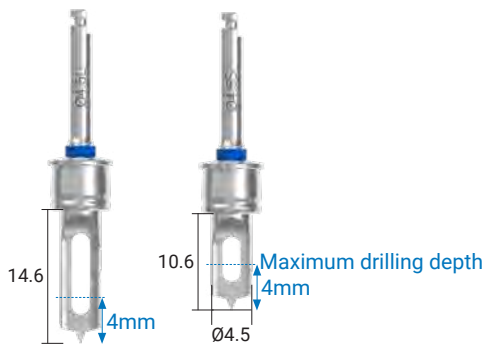
- Drills are designed to harvest adequate amount of bone granules
- The tip of the drill is designed to perform securely and accurately
- Drilling depth : 4mm (Maximum depth, controlled by the stopper)
- Recommended RPM : 300-500RPM

#### | Ø4.0



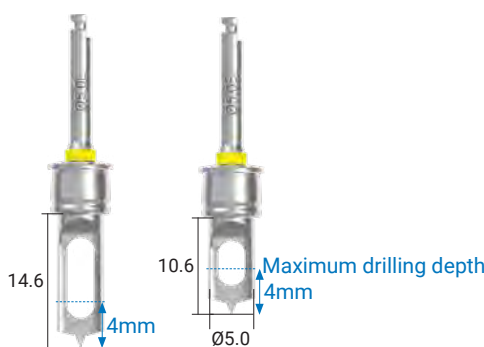
Type	REF.NO
Long	TBC40L
Short	TBC40S

#### | Ø4.5



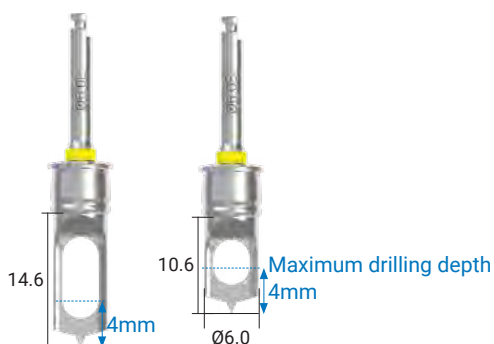
Type	REF.NO
Long	TBC45L
Short	TBC45S

#### | Ø5.0



Type	REF.NO
Long	TBC50L
Short	TBC50S

#### | Ø6.0

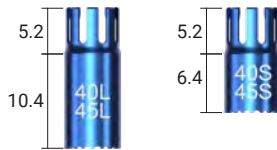


Type	REF.NO
Long	TBC60L
Short	TBC60S

### Bone Collector Stopper

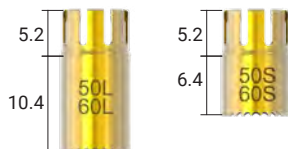
Unit : mm, Scale 1 : 1.2 / mm

#### | Ø4.0 / Ø4.5



Type	REF.NO
Long	TBCS45L
Short	TBCS45S

#### | Ø5.0 / Ø6.0

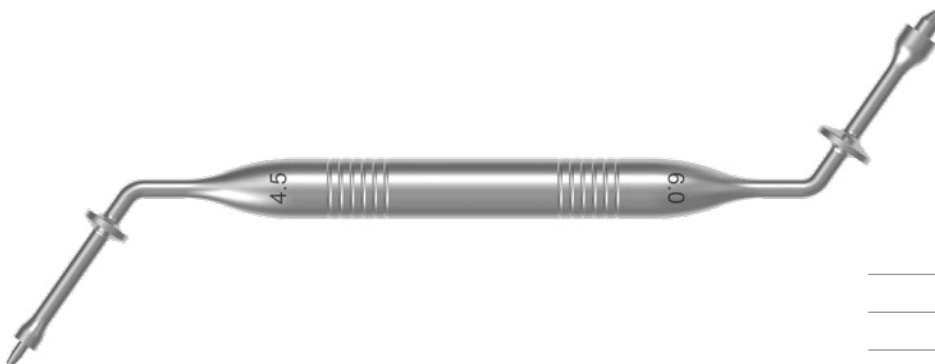


Type	REF.NO
Long	TBCS60L
Short	TBCS60S

- Designed for firm, stable locking and anti-rotation

### Bone Extractor

Unit : mm, Scale 1 : 1 / mm



REF.NO
TBCE

- A tool for easy extraction of remained bone granules between the stopper and the bone collector



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**H.Q : Rep. of Korea**



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