

# KIS PLANT

KUWOTECH IMPLANT SYSTEM



# History

- 2007**
  - Establishment of MegaTech Co., Ltd.
  - Relocation of Headquarter
  - MOU on the investment with Gwangju Metropolitan City
  - Approved as medical equipment manufacturing company (No. 2603))
- 2008**
  - Establishment of R&D Center (No. 2008210228)
- 2009**
  - Change the company name (Kuwotech Co., Ltd.)
  - Quality management system ISO 9001:2000 Certified (QMS-1871)
  - Capital Increase (Capital : 1,887,500,000 KRW)
  - Ministry of knowledge economy, parts & materials professional company certified (No. 6962)
- 2011**
  - Venture business certified (No. 20110102162)
  - Ministry of knowledge economy, Regional star business awarded
  - Technology innovation samll business (INNO-Blz) certified
  - Completed new factory & relocation of headquarter (50 Chemdan venture so-ro 37beon-gil, Buk-gu, Gwangju, 61003, Korea)
- 2012**
  - Headquarter of Gwangju women new job creation, selected as a women-friendly company
  - Citation as the job creation excellent company awarded, Gwangju metorpolitan city (No.471)
  - Employment excellent company certified (No. 2012-8)
- 2013**
  - ISO 13485:2012 certified (Zirconia Ceramic Block)
  - CE certified (Zirconia Ceramic Block, 2195-MED-1302002)
  - FDA certified (Zirconia Ceramic Block)
  - IP star business certified (No. 2013-07)
  - Citation as the contribution to small business development awarded
- 2014**
  - CE certified (T-Cleana)
  - Citation minster of ministry of trade, industry and energy
- 2015**
  - KFDA certified (Dental Implant - 'KISPLANT')
  - Designated as a high technology company
- 2016**
  - ISO 13485:2012 certified (Dental Implant - 'KISPLANT')
  - CE certified (Dental Implant - 'KISPLANT')
- 2017**
  - Development of TREATON minocycline ointment

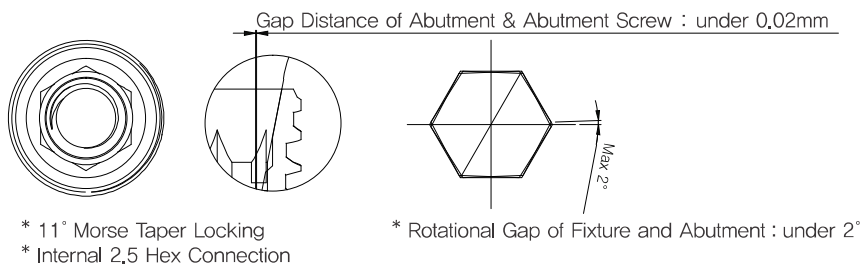
# KISPLANT

KUWOTECH  
IMPLANT  
SYSTEM

## Platform Switching

### Conical Sealing & Internal Hex Connection

Allows for biologic width, conducting soft and hard tissue growth and reducing bone loss at osseointegrative surfaces. 11° Morse taper is self-locking to enhance the connection between fixture and abutment. Anti-rotational, secure connection between fixture and abutment.



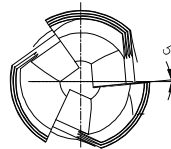
## Taper-straight Design for Stable placement

### Unique Macro Thread

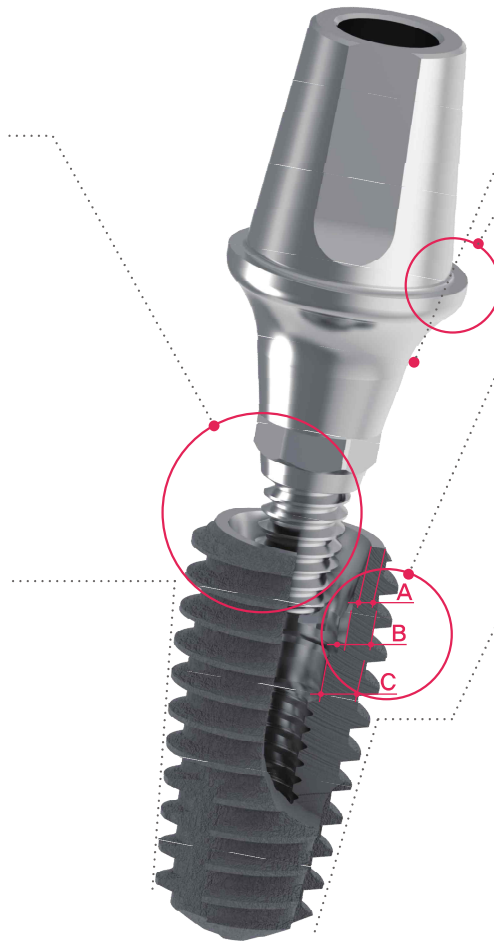
- The design enables progressive bone condensing, gentle ridge expansion, and minimized shear force production,
- Increases the surface area in contact with bone increasing initial stability

### Apex with Cutting Edge

- Enhanced self tapping based on cutting Edge
- Easy start with sharp Apex
- Reduces risk of damage to the bone



# KISPLANT



## Excellent soft tissue response

S-Line Abutment

## Shoulder Margin for Esthetics & Zirconia Crown

## Higher Compressive Strength

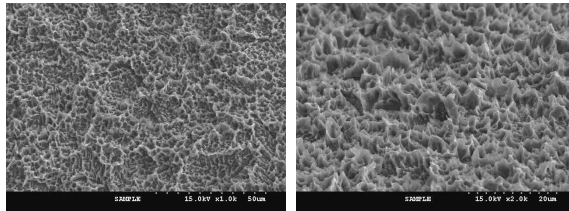
### \* Wall Thickness

	A사 Ø3.6		KISPLANT(Ø3.6)		B사 Ø3.6		A사 Ø4.0		KISPLANT(Ø4.0)		B사 Ø4.0	
			BT	MT					BT	MT		
A	0.201	0.341	0.320	0.320	A	0.296	0.476	0.402	0.422			
B	0.056	0.197	0.201	0.252	B	0.173	0.321	0.331	0.430			
C	0.248	0.324	0.521	0.530	C	0.369	0.466	0.590	0.600			

## Fast & Safe osseointegration

### Special S.L.A. Surface

The surface roughness of Kuwotech Co., Ltd, are achieved by sandblasting with Alumina, followed by etching with a combination of acids, a process which also creates a greater envelope surface and improves osseointegration.



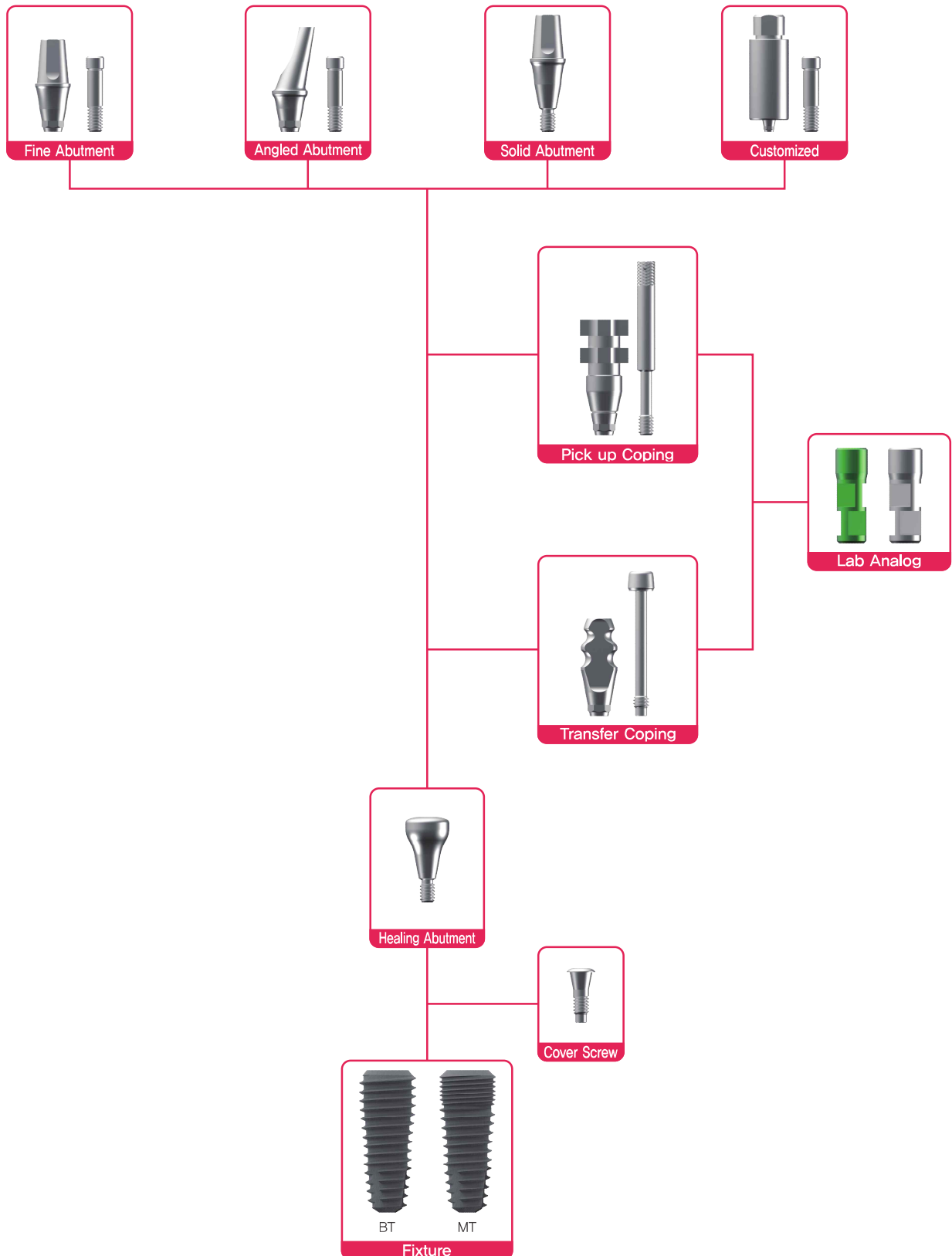
### Auto Etching Machine

All products of Kuwotech Co., Ltd, are produced by Auto Etching Machine which Products uniform surface treatment products,

### Quality Control

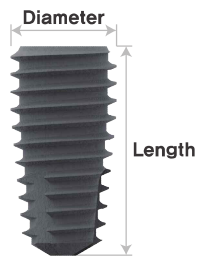
All products of Kuwotech Co., Ltd, are subject to strict quality control in all process of production.

## Fixture Level Prosthesis



## Fixture

### BT(Body Thread)



- Body Thread Type for reducing load during placing
- Taper–Straight Design for stable placement
- Easy entry due to Sharp Apex
- Enhanced Self Tapping function by cutting edge
- Enclosed cover screw






### Cover Screw







Ref.C KCS

- Used a Hand Driver (1,2HEX)
- Recommend Torque : 5~8Ncm






Ø3.5

Length	7.0	8.5	10.0	11.5	13.0
					
Ref.C	BT3507	BT3508	BT3510	BT3511	BT3513

Ø4.0

Length	7.0	8.5	10.0	11.5	13.0
					
Ref.C	BT4007	BT4008	BT4010	BT4011	BT4013

Ø4.5

Length	7.0	8.5	10.0	11.5	13.0
					
Ref.C	BT4507	BT4508	BT4510	BT4511	BT4513



Ø5.0

Length	7.0	8.5	10.0	11.5	13.0
					
Ref.C	BT5007	BT5008	BT5010	BT5011	BT5013

Ø5.5

Length	7.0	8.5	10.0
			
Ref.C	BT5507	BT5508	BT5510

Ø6.0

Length	7.0	8.5	10.0
			
Ref.C	BT6007	BT6008	BT6010

## MT(Micro Thread)



- Micro double thread
- Taper–Straight Design for stable placement
- Easy entry due to Sharp Apex
- Enhanced Self Tapping function by cutting edge
- Enclosed cover screw

## Cover Screw



Ref.C KCS

- Used a Hand Driver (1,2HEX)
- Recommend Torque : 5~8Ncm

Ø 3.5

Length	7.0	8.5	10.0	11.5	13.0
Ref.C	MT3507	MT3508	MT3510	MT3511	MT3513

Ø 4.0

Length	7.0	8.5	10.0	11.5	13.0
Ref.C	MT4007	MT4008	MT4010	MT4011	MT4013

Ø 4.5

Length	7.0	8.5	10.0	11.5	13.0
Ref.C	MT4507	MT4508	MT4510	MT4511	MT4513

Ø 5.0

Length	7.0	8.5	10.0	11.5	13.0
Ref.C	MT5007	MT5008	MT5010	MT5011	MT5013

Ø 5.5

Length	7.0	8.5	10.0
Ref.C	MT5507	MT5508	MT5510

Ø 6.0

Length	7.0	8.5	10.0
Ref.C	MT6007	MT6008	MT6010

## Healing Abutment



- Used a Hand Driver (1,2HEX)
- Recommend Torque : 5~8Ncm

Ø 4.5

Height	3.0	4.0	5.0	6.0	7.0
Ref_C	HA4530	HA4540	HA4550	HA4560	HA4570

Ø 5.5

Height	3.0	4.0	5.0	6.0	7.0
Ref_C	HA5530	HA5540	HA5550	HA5560	HA5570

Ø 6.5

Height	3.0	4.0	5.0	6.0	7.0
Ref_C	HA6530	HA6540	HA6550	HA6560	HA6570

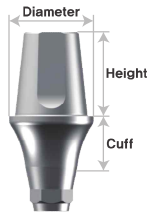
Ø 7.5

Height	3.0	4.0	5.0	6.0	7.0
Ref_C	HA7530	HA7540	HA7550	HA7560	HA7570



# Abutment

## Fine Abutment



- Recommend Torque : 35Ncm
- Used a Hand Driver(1,2HEX)
- Enclosed a Abutment screw



Ref.C KAS20

Ø4.5

Cuff	1.5	2.5	3.5	4.5	5.5
<b>HEX</b>					
Height					
5.5	FA4515H	FA4525H	FA4535H	FA4545H	FA4555H
7.0	FA4517H	FA4527H	FA4537H	FA4547H	FA4557H
<b>Non HEX</b>					
Height					
5.5	FA4515N	FA4525N	FA4535N	FA4545N	FA4555N
7.0	FA4517N	FA4527N	FA4537N	FA4547N	FA4557N

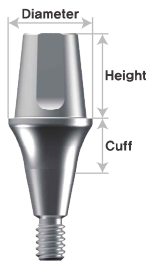
Ø5.5

Cuff	1.5	2.5	3.5	4.5	5.5
<b>HEX</b>					
Height					
5.5	FA5515H	FA5525H	FA5535H	FA5545H	FA5555H
7.0	FA5517H	FA5527H	FA5537H	FA5547H	FA5557H
<b>Non HEX</b>					
Height					
5.5	FA5515N	FA5525N	FA5535N	FA5545N	FA5555N
7.0	FA5517N	FA5527N	FA5537N	FA5547N	FA5557N

Ø6.5






Cuff	1.5	2.5	3.5	4.5	5.5
<b>HEX</b>					
Height					
5.5	FA6515H	FA6525H	FA6535H	FA6545H	FA6555H
7.0	FA6517H	FA6527H	FA6537H	FA6547H	FA6557H
<b>Non HEX</b>					
Height					
5.5	FA6515N	FA6525N	FA6535N	FA6545N	FA6555N
7.0	FA6517N	FA6527N	FA6537N	FA6547N	FA6557N

## Solid Abutment








- Recommend Torque : 35Ncm
- Used a Hand Driver(1.2HEX)






### Ø4.5

Cuff	1.5	2.5	3.5	4.5	5.5
Height					
5.5	SA4515	SA4525	SA4535	SA4545	SA4555
7.0	SA4517	SA4527	SA4537	SA4547	SA4557

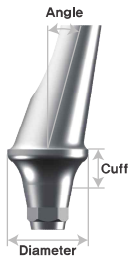
### Ø5.5

Cuff	1.5	2.5	3.5	4.5	5.5
Height					
5.5	SA5515	SA5525	SA5535	SA5545	SA5555
7.0	SA5517	SA5527	SA5537	SA5547	SA5557

### Ø6.5

Cuff	1.5	2.5	3.5	4.5	5.5
Height					
5.5	SA6515	SA6525	SA6535	SA6545	SA6555
7.0	SA6517	SA6527	SA6537	SA6547	SA6557

## Angled Abutment



- Recommend Torque : 35Ncm
- Used a Hand Driver(1.2HEX)
- Enclosed a Abutment screw

Ø 4.5

Cuff	2,5	4,5
HEX		
Angle		
15°	AA4521H	AA4541H
25°	AA4522H	AA4542H

Ø 5.5

Cuff	2,5	4,5
HEX		
Angle		
15°	AA5521H	AA5541H
25°	AA5522H	AA5542H

Ø 6.5

Cuff	2,5	4,5
HEX		
Angle		
15°	AA6521H	AA6541H
25°	AA6522H	AA6542H

## Customized Abutment



- Recommend Torque : 35Ncm
- Used a Hand Driver(1.2HEX)
- Enclosed a Abutment screw

Ø 10

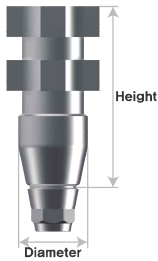
Type	A Type	B Type	C Type
HEX			
	CA10-A	CA10-M	CA10-D

Ø 14

Type	A Type	B Type	C Type
HEX			
	CA14-A	CA14-M	CA14-D

- A Type : Arum
- B Type : Manix
- C Type : Dentime

## Impression Coping



- Used a Hand Driver (1.2HEX)
- Used for Closed Tray & open tray pick up (Transfer Coping) Impression Technique
- Enclosed a Guide pin

Pick up

Diameter	4,5	5,5
Height		
12	IPH4512	IPH5512
16	IPH4516	IPH5516

Guide Pin	GPP12 GPP16

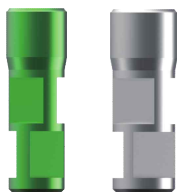
Transfer

Diameter	4,5	5,5
Height		
12	IPH4512	IPH5512
16	IPH4516	IPH5516

Guide Pin	GPH12 GPH16

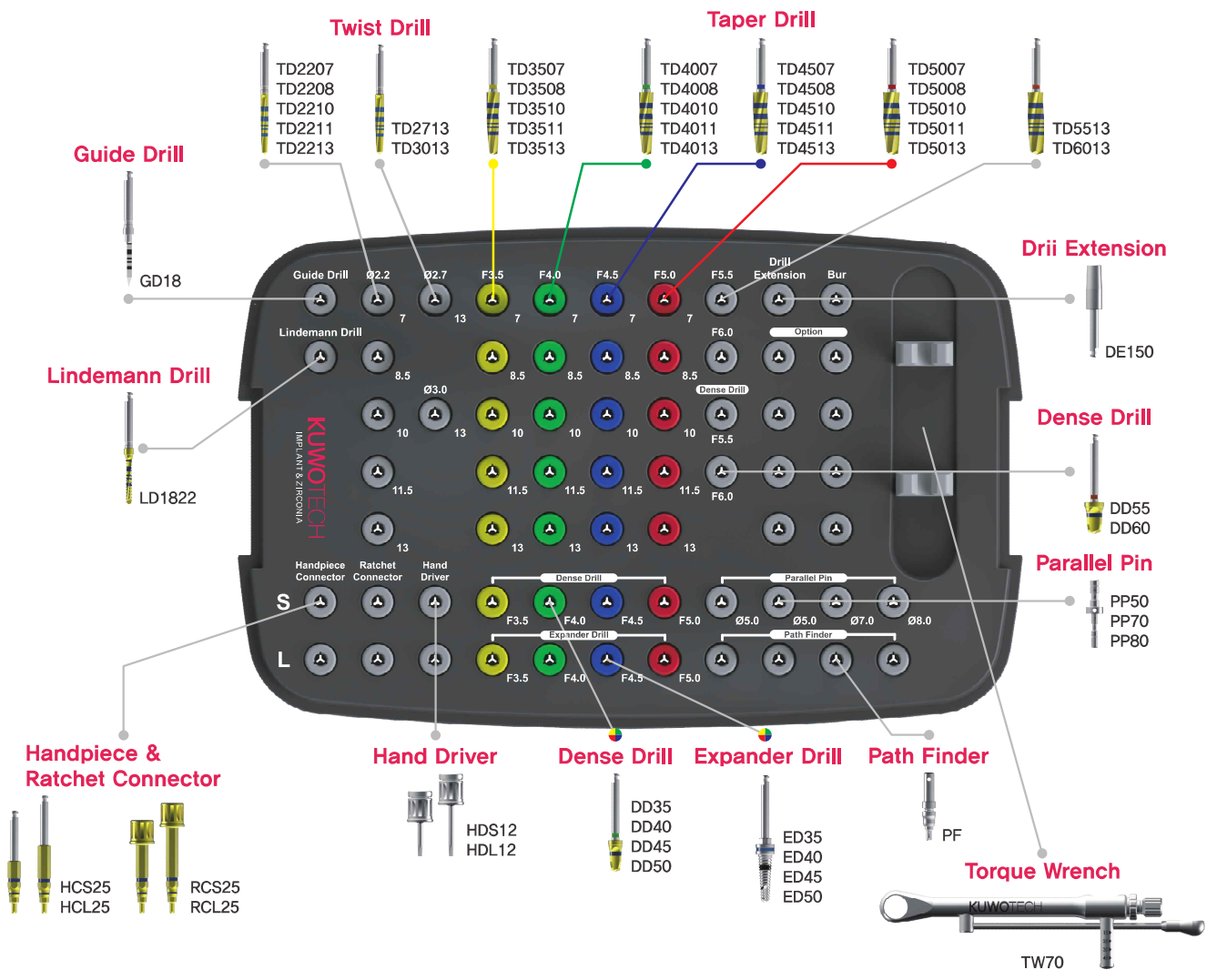
## Lab Analog

Type	Small	Regular/Wide
Color	Green	Titan
Ref.C	KLA350	KLA400

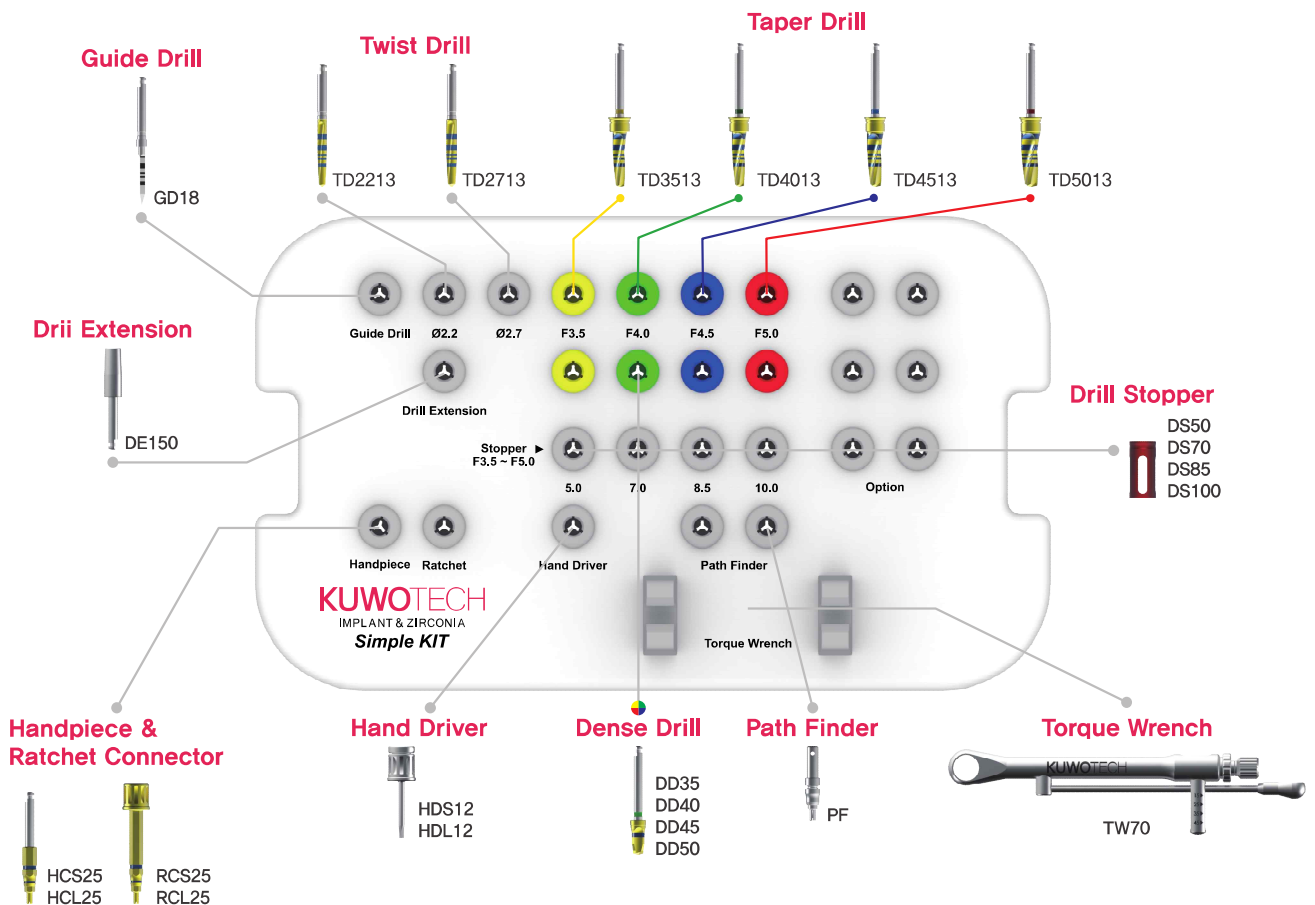


- Replicates the Fixture
- Small type Lab analog for Ø3,5 Fixture
- Regular & Wide type Lab analog for all Fixture sizes except Ø3,5 Fixture

# Surgical KIT-F



## Surgical KIT-S



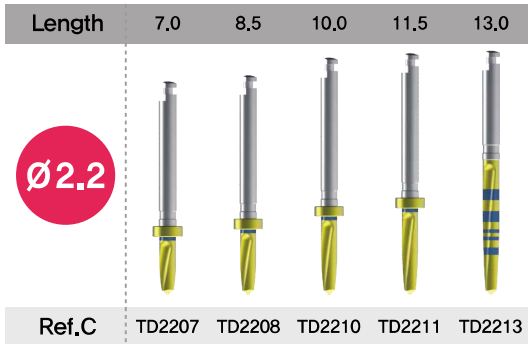
# Surgical KIT - Drills & Instrument

## Guide Drill

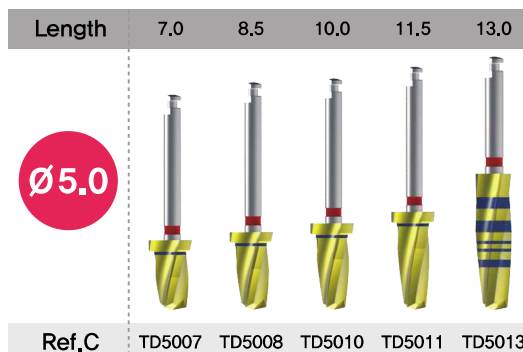
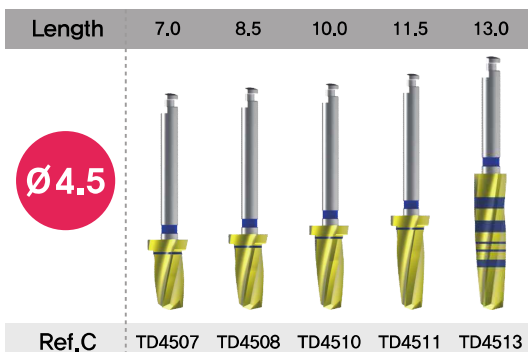
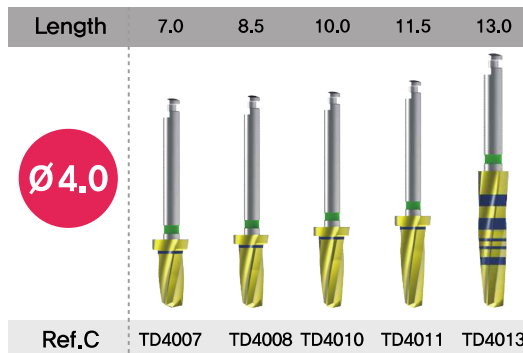
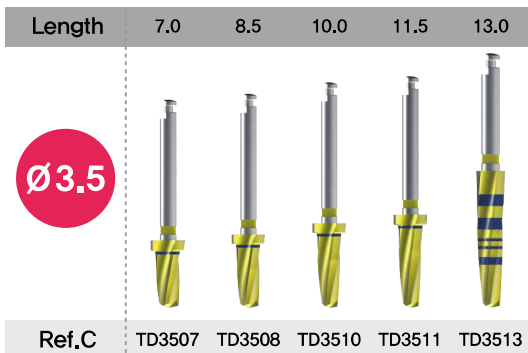
· Used to pierce the cortical bone initially



## Twist Drill

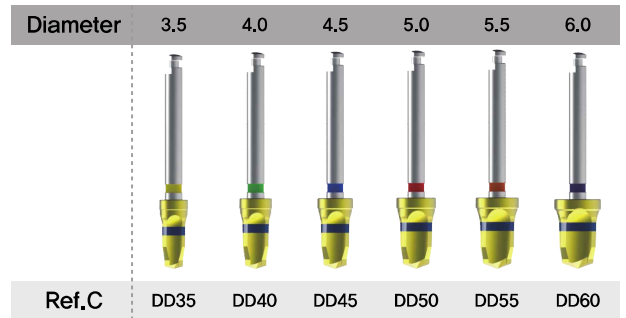


## Taper Drill



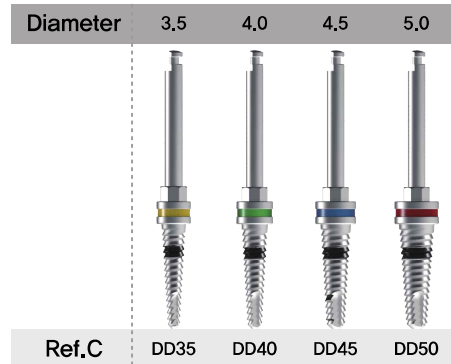
## Dense Drill

- Used to remove and shape cortical bone to control initial stability in dense bone (Bone type D1/D2)



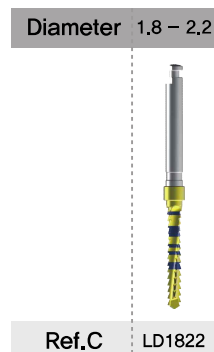
## Expander Drill

- Useful in very narrow bone



## Lindeman Drill

- Can correct the path during drilling





## Drill Extention

- Can correct the path during drilling



Ref.C DE150

## Handpiece Connector

- Delivers torque for the placement of a fixture with a handpiece
- Easy and secure pick up and delivery

Length Short Long

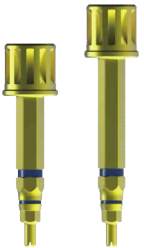


Ref.C HCS25 HCL25

## Ratchet Connector

- Delivers torque for the placement of removal of a fixture with a ratchet wrench
- Easy and secure pick up and delivery

Length Short Long



Ref.C RCS25 RCL25

## Hand Driver

- Used for all cover screws, all abutment screws and all healing abutment

Length Short Long



Ref.C HDS12 HDL12

## Path Finder

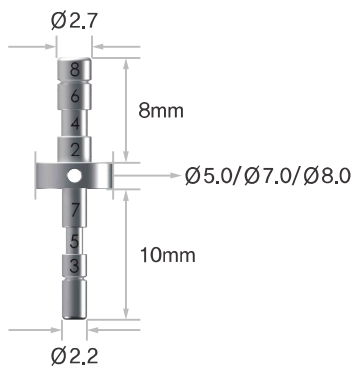
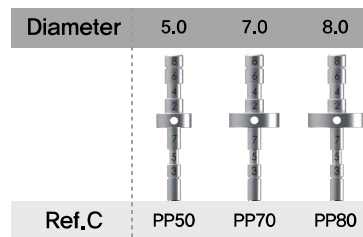
- After placing a fixture, a path finder can be connected to guide parallel for the next implant
- Gingival depth can be measured with the grooves especially for flapless surgeries



Ref.C	PF
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## Parallel Pin

- Delivers torque for the placement or removal of a fixture with a ratchet wrench
- Easy and secure pick up and delivery
- Use for checking the direction and location for bone preparation
- Predicts the diameter of an abutment to be secured



## Torque Wrench

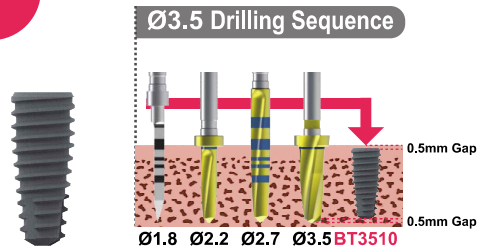
- Torque wrench has torque option from 15Ncm to 45Ncm and is used for the placement of an implant and final tightening of the abutment screw



Ref.C	TW70
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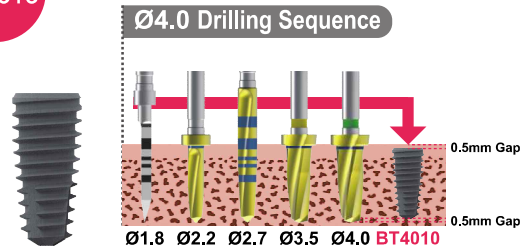
# Surgical Kit-F Drilling Sequence

**BT3510**



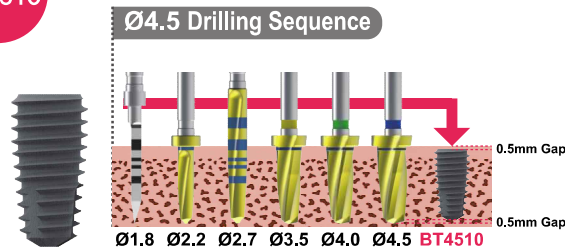
10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

**BT4010**



10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

**BT4510**

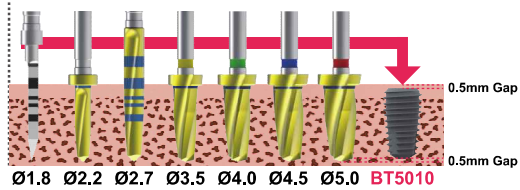


10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

## BT5010



### Ø5.0 Drilling Sequence

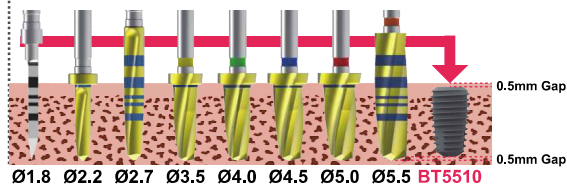


10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

## BT5510



### Ø5.5 Drilling Sequence

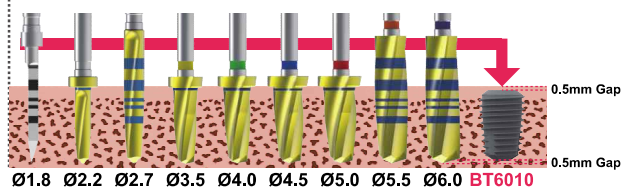


10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

## BT6010



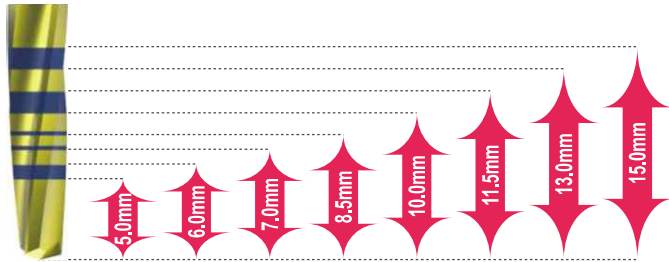
### Ø6.0 Drilling Sequence



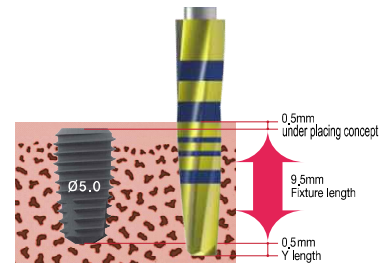
10,0mm is the fixture length and the Taper drill are 0,5mm longer than the fixture, total drill depth is 10,5mm

## Taper Drill

- Each drill has depth marking lines from 7.0mm to 15.0mm

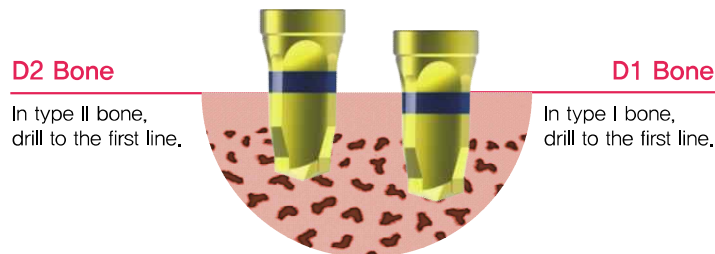


\* Taper Drill markings are 0,5mm longer that the fixture so fixturees will automatically be placed 0,5mm subcrestally if the drilling protocol is followed

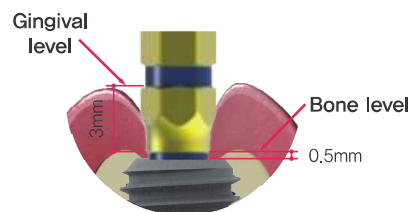
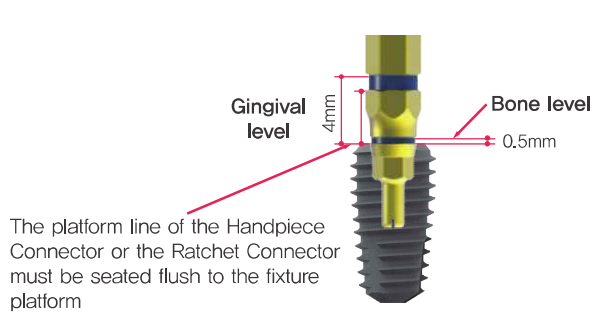


## Dense Drill

- To control initial stability in Dense bone(type I & II) use the Dense drill to remove and shape the cortical bone.

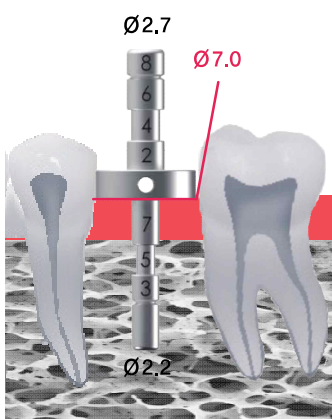


## Handpiece & Ratchet Connector

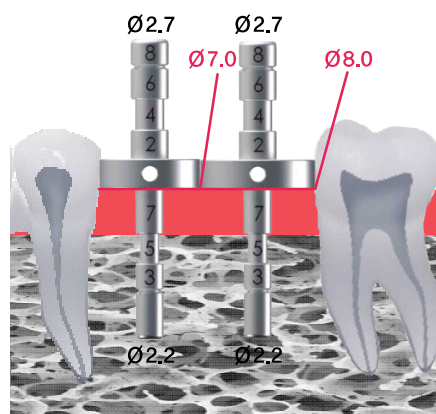


- \* Fixture level : Placement should be 0.5mm subcrestal.
- \* Gingival level : Line is 3mm above the bone level line and 3.5mm above the platform line

## Parallel Pin



(#5)



(#5 ~ 6)



## DentalSupply Business Part

- Implant System : KGMP Certified of KIS Implant
- Orthodontic Implant : FDA, CE, ISO approved



Lot07-32, 7th floor, Berjaya Times Square,  
No1, Jalan imbi,55100, Kuala Lumpur, Malaysia

T. 018-327-4707(Ms Esther)  
<http://dentalsupply.com.my>

E. [info@dentalsupply.com.my](mailto:info@dentalsupply.com.my)