

DIO
www.dioimplant.com

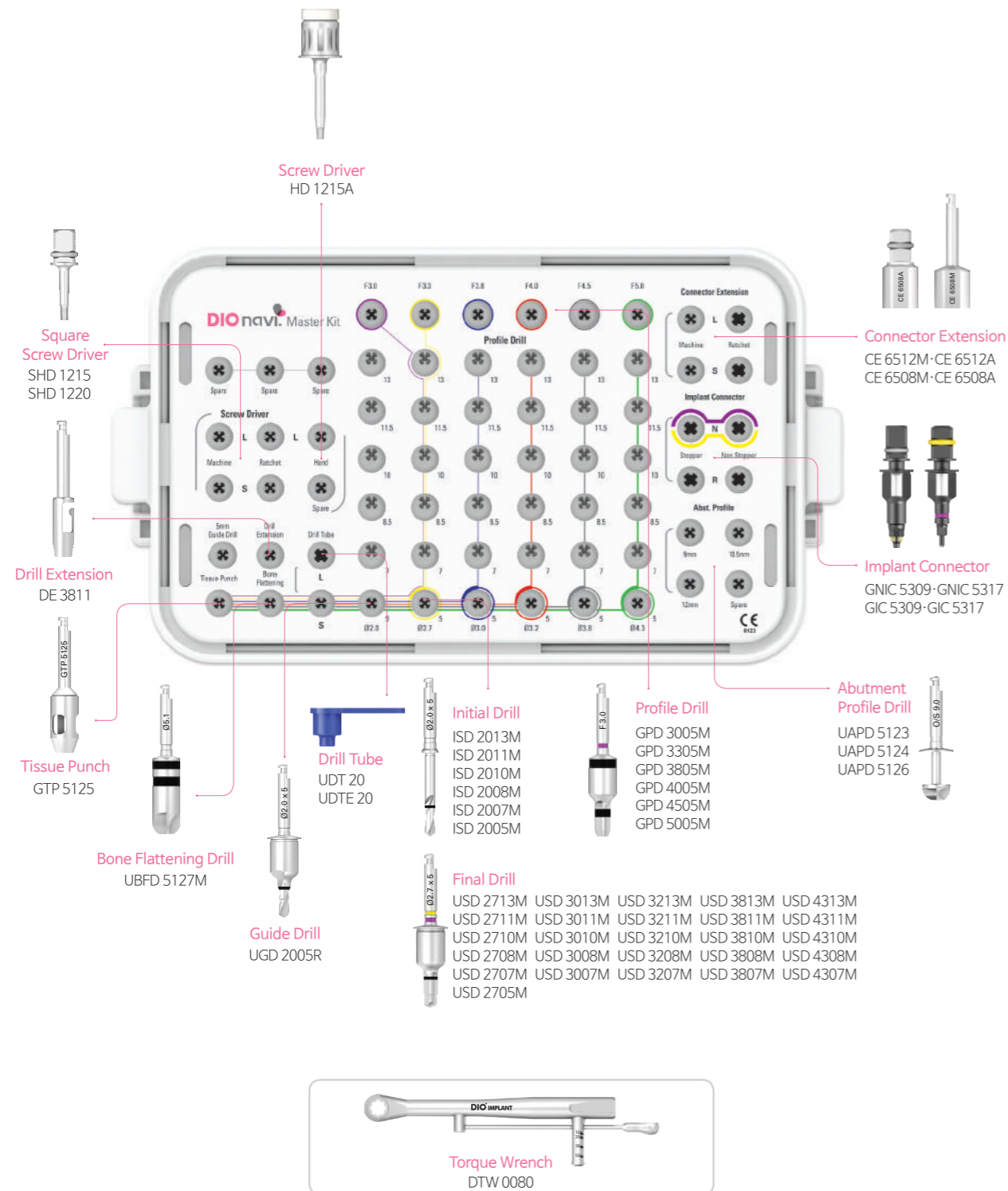
DIONavi.
DIONavi.

2018 PRODUCT CATALOG

DIONavi. Master Kit Kit Code | UF(M) 05

- Kit composed of drill with outstanding cutting force and durability, etc.
- UF(II) Narrow $\varnothing 3.0$ $\varnothing 3.3$ UF(II) Regular $\varnothing 3.8$ $\varnothing 4.0$ $\varnothing 4.5$ $\varnothing 5.0$ Fixture
- Guide Sleeve : GS 53

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Tissue Punch

- Gingiva can be removed stably using a fixed blade inside the punch. (Flapless Surgery)



Unit mm | Scale 1 : 1

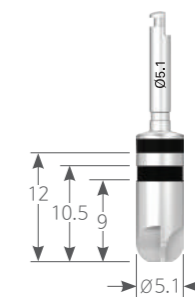
K D $\varnothing 3.0$

Code

GTP 5125

Bone Flattening Drill

- Remaining gingiva is removed for easier drilling, and irregular alveolar crest is flattened.



Unit mm | Scale 1 : 1

K D $\varnothing 5.1$

Code

UBFD 5127M

Guide Drill

- A hole on the bone is initially formed on the bone for easier insertion of the initial drill.



Unit mm | Scale 1 : 1

K D $\varnothing 2.0$ Length 5

Code

UGD 2005R

Drill Extension



Unit mm | Scale 1 : 1

K D $\varnothing 3.8$ Length 11

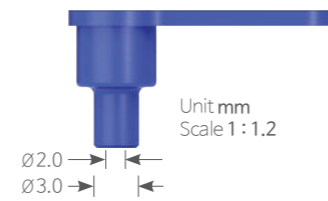
Code

DE 3811

Surgical Tool

Drill Tube

· To fix the guide drill and the initial drill without shakage.



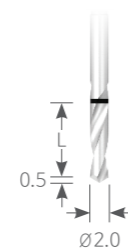
● Sold separately

K D Ø2.0			
Code	UDT 20	UDTE 20	UDTL 20

Unit mm | Scale 1:1

Initial Drill

· A placement hole (osteotomy site) is formed on the cortical bone.



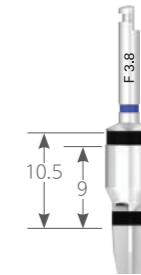
● Sold separately

K D Ø2.0							
Code	ISD 2005M	ISD 2007M	ISD 2008M	ISD 2010M	ISD 2011M	ISD 2013M	ISD 2015M

Unit mm | Scale 1:1

Profile Drill

· The cortical bone is further drilled in D1 and D2 bones, and excessive placement torque is prevented.



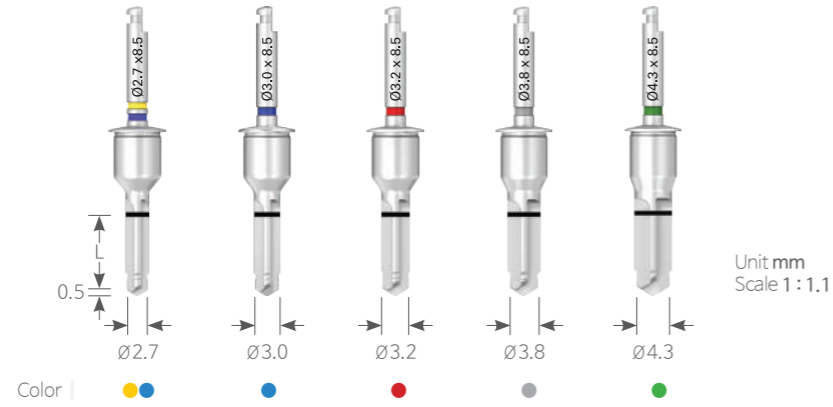
K						
Code	GPD 3005	GPD 3305	GPD 3805M	GPD 4005M	GPD 4505M	GPD 5005M
	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Color						

Unit mm | Scale 1:1

Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



● Sold separately

K D Ø2.7 Fixture Ø3.0 Ø3.3

Unit mm | Scale 1:1

Code **USD 2705M** USD 2707M USD 2708M USD 2710M USD 2711M USD 2713M **USD 2715M**



Length | 5 7 8.5 10 11.5 13 15

K D Ø3.0 Fixture Ø3.8

Unit mm | Scale 1:1

Code **USD 3005M** USD 3007M USD 3008M USD 3010M USD 3011M USD 3013M **USD 3015M**



Length | 5 7 8.5 10 11.5 13 15

K D Ø3.2 Fixture Ø4.0

Unit mm | Scale 1:1

Code **USD 3205** USD 3207M USD 3208M USD 3210M USD 3211M USD 3213M **USD 3215M**



Length | 5 7 8.5 10 11.5 13 15

K D Ø3.8 Fixture Ø4.5

Unit mm | Scale 1:1

Code **USD 3805** USD 3807M USD 3808M USD 3810M USD 3811M USD 3813M **USD 3815M**



Length | 5 7 8.5 10 11.5 13 15

K D Ø4.3 Fixture Ø5.0

Unit mm | Scale 1:1

Code **USD 4305** USD 4307M USD 4308M USD 4310M USD 4311M USD 4313M **USD 4315M**



Length | 5 7 8.5 10 11.5 13 15

Surgical Tool

Tap Drill

· Excessive implant placement torque is prevented.

● Sold separately

K Unit mm | Scale 1:1

Code	GNTD 3815	GNTD 4015	GNTD 4515	GNTD 5015
Color	●	●	●	●

Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K D Ø5.1 Unit mm | Scale 1:1

Code	UAPD 5123	UAPD 5124	UAPD 5126
Color	●	●	●

Implant Connector

· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
 · Recommended use of UF(II) Narrow : 20 times / Be careful about excessive torque of 50Ncm or above.

● Sold separately

K UFII Narrow Unit mm | Scale 1:1

Code	GNIC 5309	GNIC 5309ST	GNIC 5317
Type	Non-Stopper	Stopper	Multi

K UFII Regular

Code	GIC 5309	GIC 5309ST	GIC 5317
Type	Non-Stopper	Stopper	Multi

Connector Extension




· Length of the connector is extended during implant placement.

K Unit mm | Scale 1:1

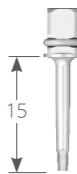
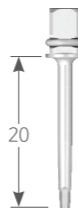
Code	CE 6508A	CE 6508M	CE 6512A	CE 6512M
Type	Ratchet	Machine	Ratchet	Machine

Surgical Tool

Screw Driver

K		Unit mm Scale 1 : 1		
Code	MD 1222	MD 1230	HD 1215A	
Type	Machine	Machine	Ratchet	
				
	22	30		

Sqaure Screw Driver

K		Unit mm Scale 1 : 1	
Code	SHD 1215	SHD 1220	
			
	15	20	

Torque Wrench

· To place the fixture using an implant connector

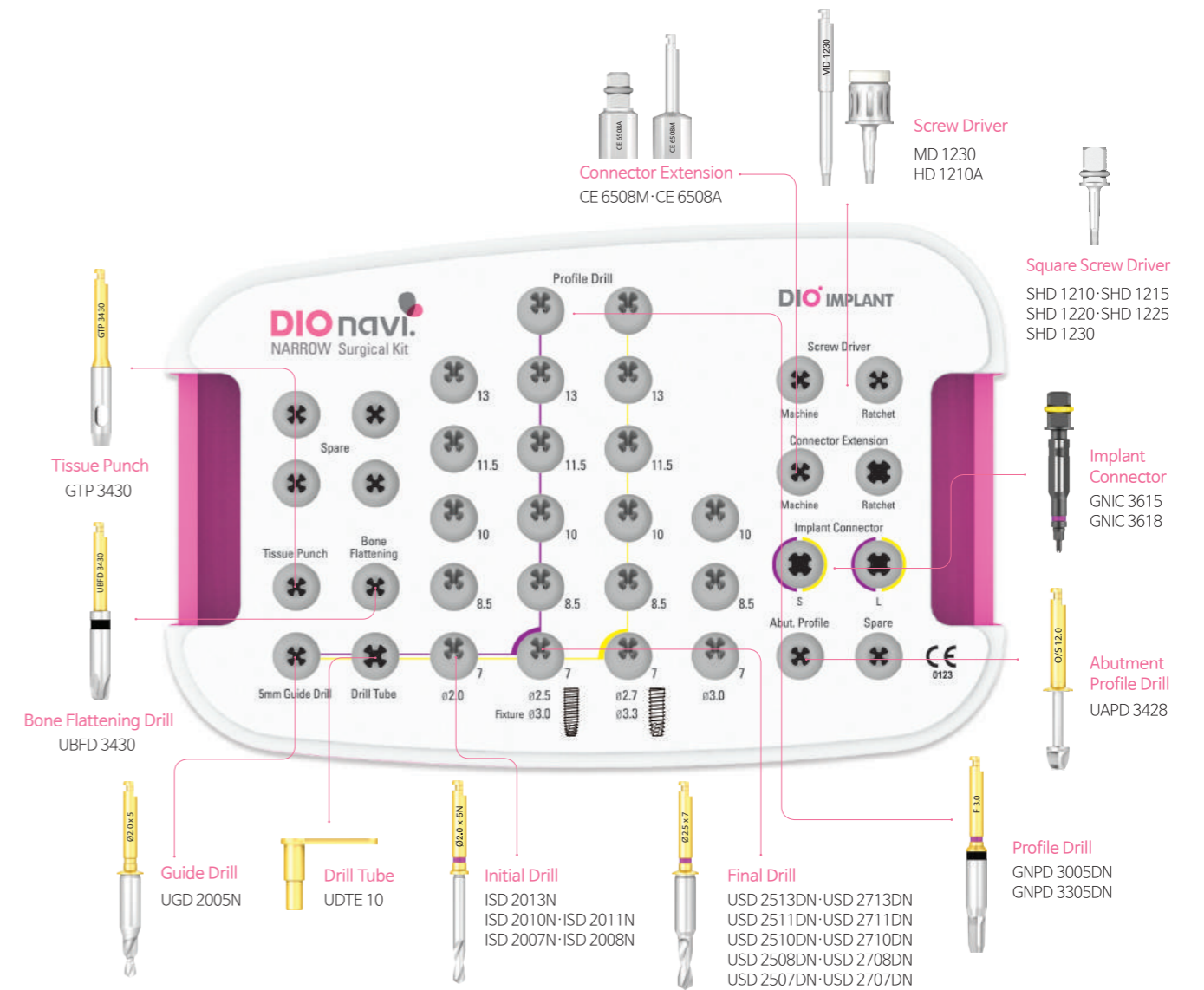


K		Code	
		DTW 0080	

DIOnavi. Narrow Kit Kit Code | UF14

- Kit composed of drill with outstanding cutting force and durability, etc.
- UF(II) Narrow $\varnothing 3.0$ $\varnothing 3.3$ Fixture
- Guide Sleeve : GSL 36

Unit mm | Drill Scale 1 : 0.9

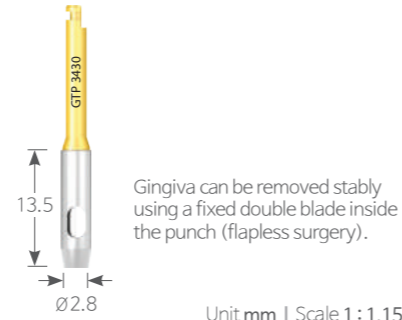


Torque Wrench
DTW 0080

Surgical Tool

Tissue Punch

- Gingiva in the position of implant placement is incised into a round shape, and the inner double blade is used to remove the gum tissue cut into round shape.



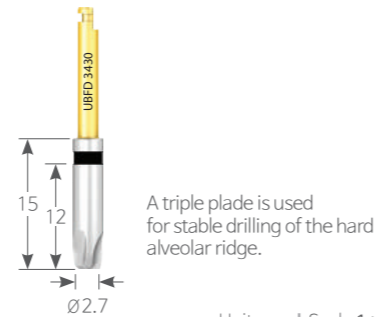
K D Ø2.8

Unit mm | Scale 1 : 1.15

Code	GTP 3430
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Bone Flattening Drill

- Alveolar crest surface is flattened, and soft tissue remaining in the alveolar crest is removed after using the tissue punch.



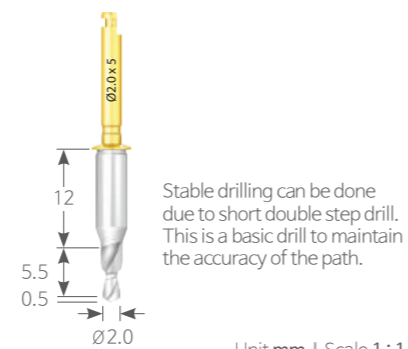
K D Ø2.7

Unit mm | Scale 1 : 1.15

Code	UBFD 3430
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Guide Drill

- A hole in the bone is initially formed on the bone for easier insertion of the initial drill.



K D Ø2.0

Unit mm | Scale 1 : 1.15

Code	UGD 2005N
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Initial Drill

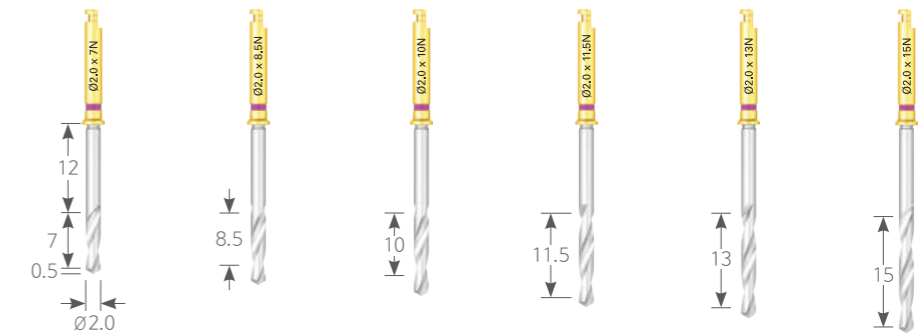
- It secures accurate depth and direction of drilling performed after achieving accurate hole formation during the initial steps.

● Sold separately

K D Ø2.0

Unit mm | Scale 1 : 1

Code	ISD 2007N	ISD 2008N	ISD 2010N	ISD 2011N	ISD 2013N	ISD 2015N
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Profile Drill

- Used to further drill cortical bone in the mandible with bone density of D1 or D2 for the purpose of preventing excessive torque.

K

Unit mm | Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3
Code	GNPD 3005DN	GNPD 3305DN



Color



Surgical Tool

Final Drill

· Drilling is done by moving down along the passage of leading drill without using a drill tube, while increasing drill size (diameter) according to implant size.

● Sold separately

K D Ø2.5 Unit mm | Scale 1:1

Code	USD 2507DN	USD 2508DN	USD 2510DN	USD 2511DN	USD 2513DN	USD 2515DN
Length	7	8.5	10	11.5	13	15

K D Ø2.7

Code	USD 2707DN	USD 2708DN	USD 2710DN	USD 2711DN	USD 2713DN	USD 2715DN
Length	7	8.5	10	11.5	13	15

K D Ø3.0

Code	USD 3007DN	USD 3008DN	USD 3010DN	USD 3011DN
Length	7	8.5	10	11.5

Screw Driver Machine

· Used to connect the abutment screw (for handpiece) using an abutment screw driver for ratchet.

● Sold separately

K Hex 1.2 Unit mm | Scale 1:1

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239
Length	19	22	30	34	39

Screw Driver Ratchet

● Sold separately

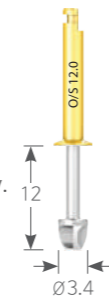
K Hex 1.2 Unit mm | Scale 1:1

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A
Length	5	10	15	20	25	30

Surgical Tool

Abutment Profile Drill

· Shape of abutment profile is formed by rotating the functional drill 360 degrees which removes the disruptive alveolar bone around the abutment or H-scan body.



K D Ø3.4	Unit mm Scale 1 : 1.15
Code	UAPD 3428

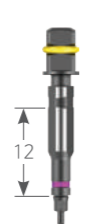
Implant Connector

· If depth of placement and position of fixture hexagon are aligned with the guide sleeve projection during placement of the fixture, it is aligned with hex direction of the premade customized abutment.

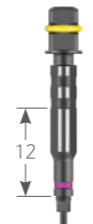
K Hex 1.7	Unit mm Scale 1 : 1
Code	GNIC 3615 GNIC 3618



Type



Short



Long

Connector Extension

· Length of the connector is extended during implant placement.

K	Unit mm Scale 1 : 1.2
Code	CE 6508A CE 6508M CE 6512A CE 6512M



Ratchet



Machine



Ratchet

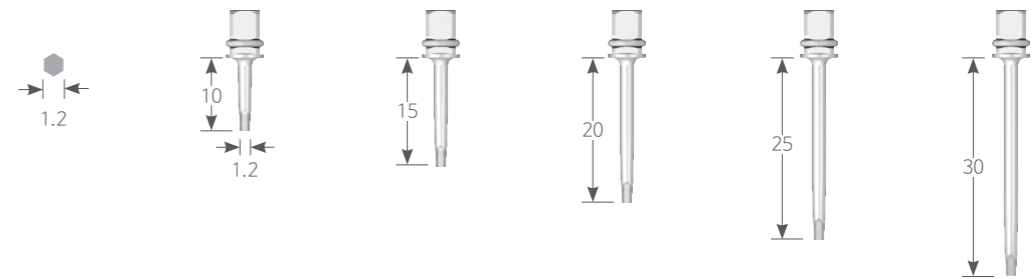


Machine

Square Screw Driver

● Sold separately

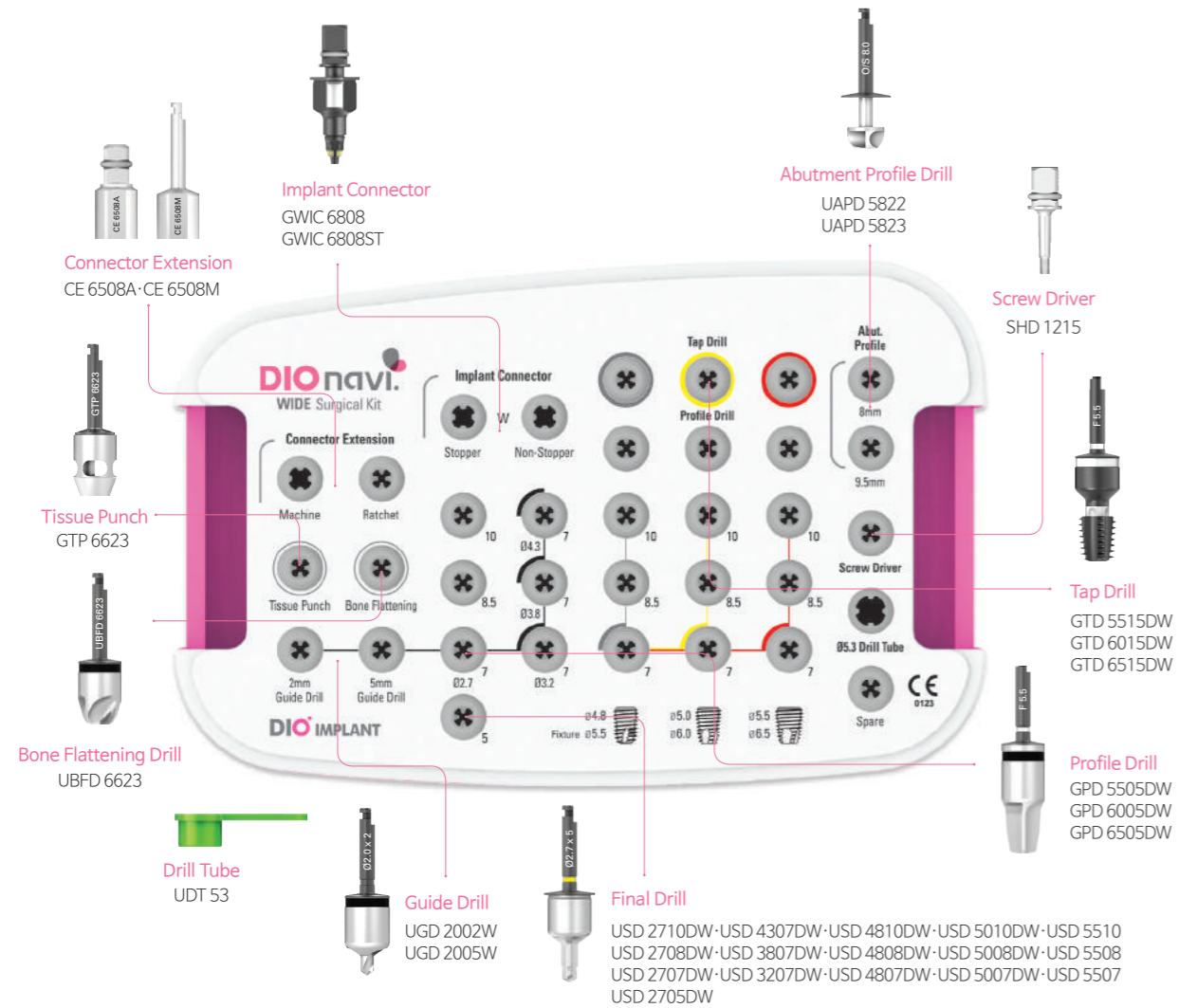
K Hex 1.2	Unit mm Scale 1 : 1
Code	SHD 1210 SHD 1215 SHD 1220 SHD 1225 SHD 1230



DIONavi. Wide Kit Kit Code | UF 11

- Kit composed of drill with outstanding cutting force and durability, etc.
- UF(II) Wide $\varnothing 5.5$ $\varnothing 6.0$ $\varnothing 6.5$ Fixture
- Guide Sleeve : GS 68GN

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Tissue Punch

- Gingiva can be removed stably using a fixed blade inside the punch (flapless surgery).



Unit mm | Scale 1 : 1.15

K D $\varnothing 4.5$

Code

GTP 6623

Bone Flattening Drill

- Irregular alveolar crest surface is flattened.



Unit mm | Scale 1 : 1.15

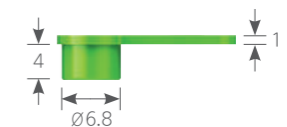
K D $\varnothing 4.0$

Code

UBFD 6623

Drill Tube

- Used for drilling of the guide drill and initial drill without oscillation



Unit mm | Scale 1 : 1.2

K D $\varnothing 6.8$

Code

UDT 53

Guide Drill

- A hole is initially formed on the bone for easier insertion of the initial drill.

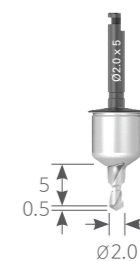
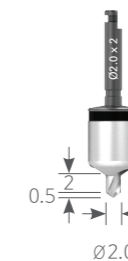
K D $\varnothing 2.0$

Unit mm | Scale 1 : 1

Code

UGD 2002W

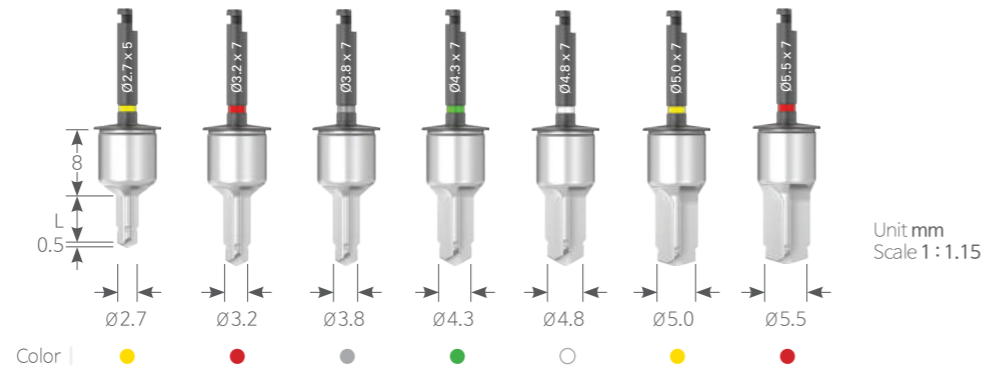
UGD 2005W



Surgical Tool

Final Drill

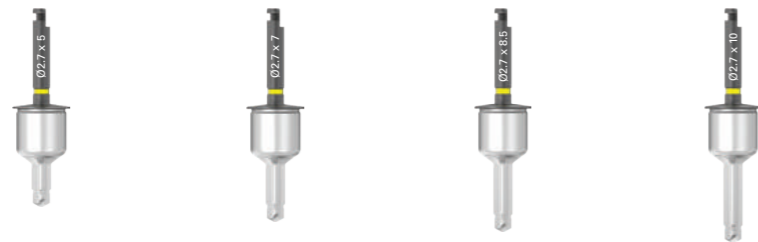
· The drill hole is expanded to the final drilling.



K D Ø2.7

Unit mm | Scale 1:1

Code	USD 2705DW	USD 2707DW	USD 2708DW	USD 2710DW
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Length	5	7	8.5	10
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K Length 7

Unit mm | Scale 1:1

Code	USD 3207DW	USD 3807DW	USD 4307DW
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Diameter	Ø3.2	Ø3.8	Ø4.3
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K D Ø4.8 Fixture Ø5.5

Unit mm | Scale 1:1

Code	USD 4807DW	USD 4808DW	USD 4810DW
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Length	5	7	8.5
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K D Ø5.0 Fixture Ø6.0

Unit mm | Scale 1:1

Code	USD 5007DW	USD 5008DW	USD 5010DW
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Length	5	7	8.5
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K D Ø5.5 Fixture Ø6.5

Unit mm | Scale 1:1

Code	USD 5507DW	USD 5508DW	USD 5510DW
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Length	5	7	8.5
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Surgical Tool

Profile Drill

· Used to further drill cortical bone in the mandible with bone density of D1 or D2 for the purpose of preventing excessive torque

K Unit mm | Scale 1:1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GPD 5505DW	GPD 6005DW	GPD 6505DW

Color | ○ ● ●

Tap Drill

· Excessive implant placement torque is prevented.

K Unit mm | Scale 1:1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GTD 5515DW	GTD 6015DW	GTD 6515DW

Color | ○ ● ●

Connector Extension

· Length of the connector is extended during implant placement.

K Unit mm | Scale 1:1.2

Code	CE 6508A	CE 6508M
Type	Ratchet	Machine

Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K D Ø5.5 Unit mm | Scale 1:1

Code	UAPD 5822	UAPD 5823
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Offset | 8 9.5

Implant Connector

· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) narrow: 20 times / Be careful about excessive torque of 50Ncm or above.

K Unit mm | Scale 1:1

Code	GWIC 6808ST	GWIC 6808
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Type Offset | Stopper Type 8 Non-Stopper Type -

Screw Driver

K Hex 1.2 Unit mm | Scale 1:1

Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230
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● Sold separately

DIONavi. Flapless Crestal Sinus Kit Kit Code I SMK 02

· Exclusive kit for edentulous cases

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Ø2.0 Drill Stopper

- This is used to connect to the Ø2.0 initial drill of DIONavi. Master to maintain constant depth during surgery.
- Range of length is 3~6mm with 1mm interval and anodizing and laser marking are done for each length.

K D Ø2.9		Unit mm Scale 1 : 1			
Code	GST 2030BL	GST 2040YE	GST 2050RD	GST 2060BL	

Sinus Drill

- Dome shaped tip is designed to prevent damaging of the membrane during drilling.
- Depth must be adjusted using a stopper.
- Non-irrigation and low-speed drilling (100rpm)

● Sold separately

K D Ø3.2		Unit mm Scale 1 : 1			
Code	GSRD 3217	GSRD 3218	GSRD 3219	GSRD 3221	

Ø3.0 Drill Stopper For crestal approach

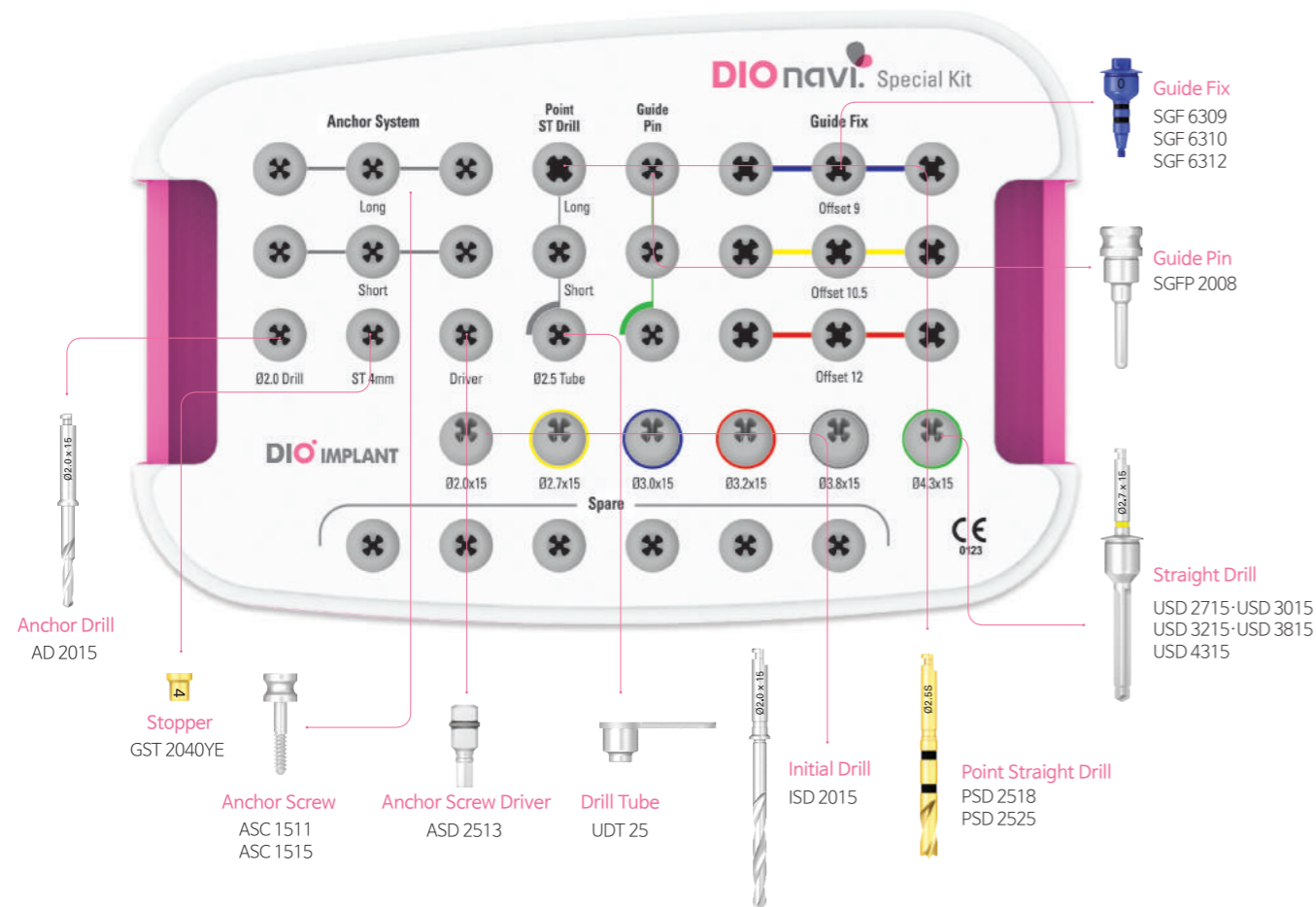
- This is used by connecting to the Ø3.2 round drill of Flapless Crestal Sinus Kit.
- Range of length is 3~13mm with 1mm interval to maintain constant depth during surgery. Anodizing and laser marking are done for each length.

K D Ø6.0		Unit mm Scale 1 : 1					
Code	GST 03BL	GST 04YE	GST 05RD	GST 06BL	GST 07YE	GST 08RD	
Code	GST 09BL	GST 10YE	GST 11RD	GST 12BL	GST 13YE		

DIONavi. Special Kit Kit Code | SGF 02

· Kit composed of drill with outstanding cutting force and durability, etc.

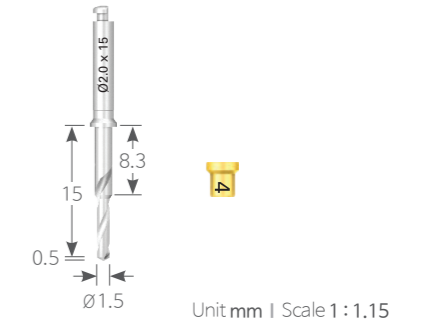
Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Anchor Drill

· A hole is formed to insert an anchor pin into the bone for the purpose of fixating the surgical guide.



K D Ø1.5

Code

AD 2015

Stopper

· This is used when connecting to the Ø2.0 initial drill. Constant depth is maintained during surgery.



K D Ø2.9

Code

GST 2040YE

Anchor Screw

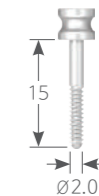
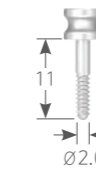
· Used to connect the anchor screw using an anchor screw driver for ratchet

K D Ø2.0

Code

ASC 1511

ASC 1515



Anchor Screw Driver

· Used to connect the anchor screw using an anchor screw driver for ratchet



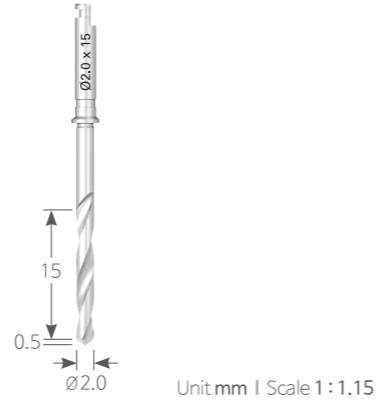
K Hex 2.42

Code

ASD 2513

Surgical Tool

Initial Drill



K D Ø2.0

Code

ISD 2015

Point Straight Drill

· Use of a drill tube (UDT 25) exclusive for the instrument (with a shape that prevents slipping on the bone) to form the guide hole in accurate position

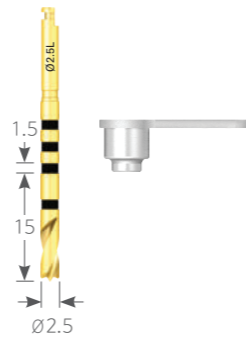
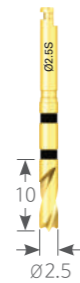
K D Ø2.5

Unit mm | Scale 1 : 1

Code

PSD 2518

PSD 2525



Straight Drill

K Length 15

Unit mm | Scale 1 : 1

Code

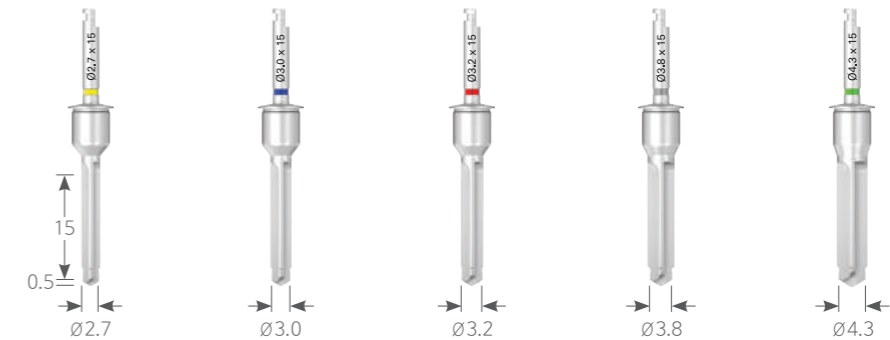
USD 2715

USD 3015

USD 3215

USD 3815

USD 4315

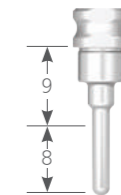


Color



Surgical Guide Fix Pin

· Used after Ø2.0 drilling to insert a surgical guide fix pin into the hole to fix the surgical guide in place and prevent shaking (side shaking is prevented after fixing)



K

Unit mm | Scale 1 : 1.15

Code

SGFP 2008

Surgical Guide Fix

· Used to fix the surgical guide in place and prevent movement by connecting to the fixture placed earlier (side shaking is prevented after fixing)

K

Unit mm | Scale 1 : 1

Code

SGF 6309

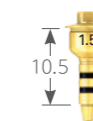
SGF 6310

SGF 6312



Offset

9



10.5



12