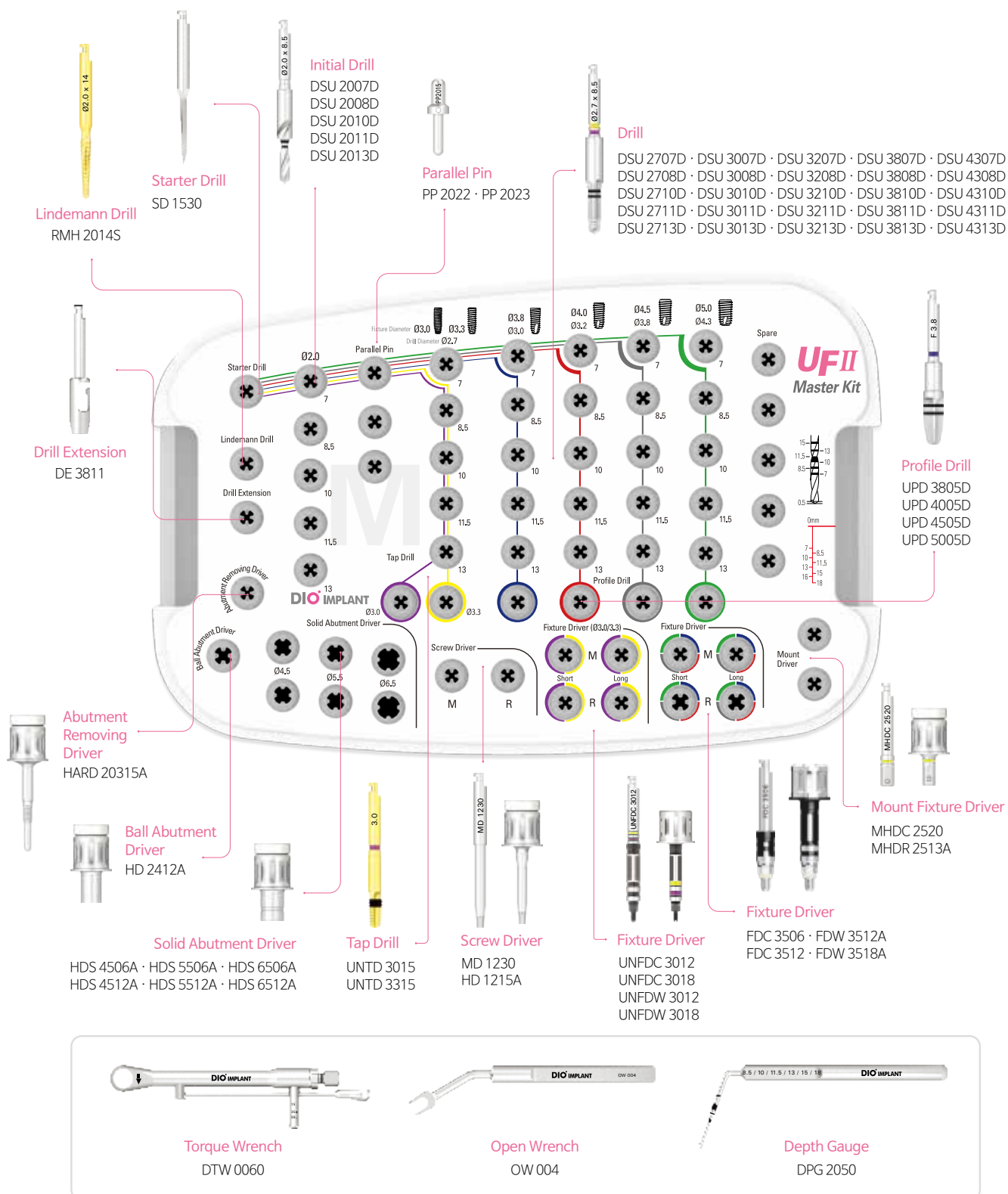

Surgical Kits

UFII Master Kit

Kit Code I UF 06

- Kit composed of drill with outstanding cutting force and durability, etc.
- UFII Narrow Ø3.0 Ø3.3/ UFII Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Fixture

Unit mm | Drill Scale 1 : 0.9



UF II Surgical Kit

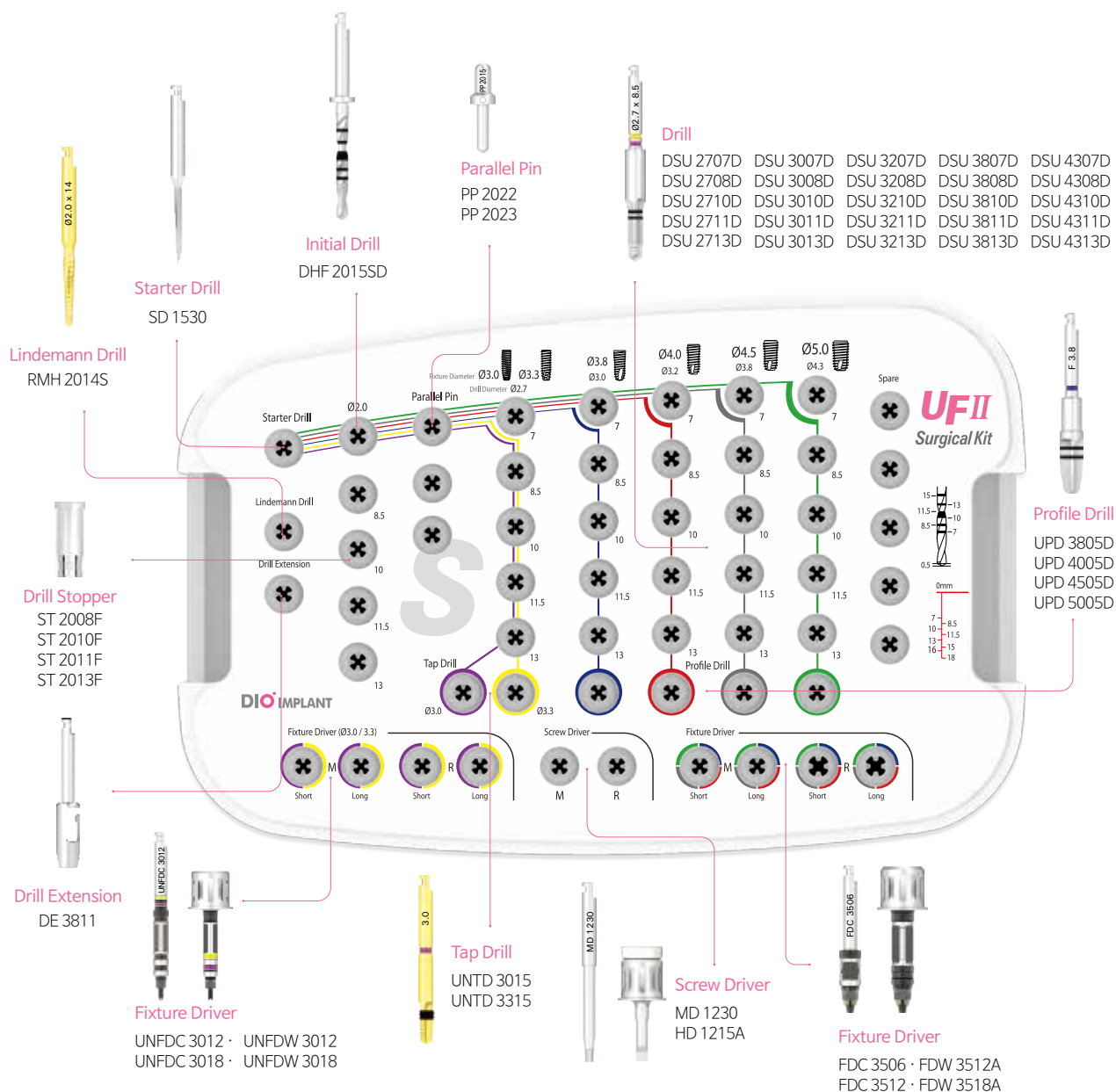
Kit Code I UF 07

- Kit composed of drill with outstanding cutting force and durability, etc.
- UF II Narrow Ø3.0 Ø3.3 / UF II Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Ø5.5 Fixture

Unit mm I Drill Scale 1 : 0.9

IMPLANT SYSTEM

UF II IMPLANT SYSTEM I UF II Master-Surgical Kit



Torque Wrench
DTW 0060



Open Wrench
OW 004



Depth Gauge
DPG 2050

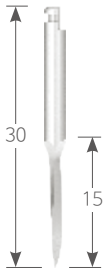
Surgical Tool

Starter Drill

K

Code

SD 1530



Unit mm | Scale 1 : 1.15

Initial Drill

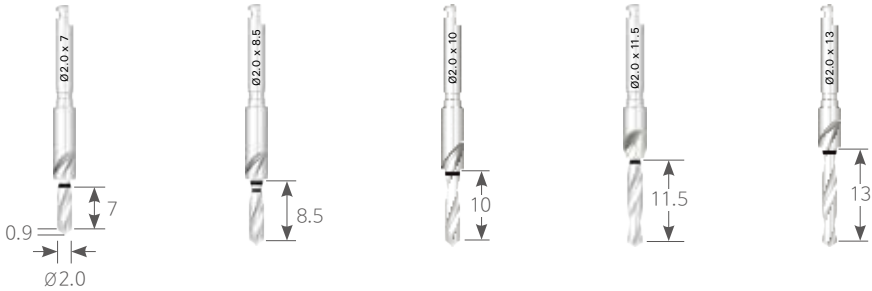
K

D Ø2.0

· Only use UFII Master Kit

Unit mm | Scale 1 : 1

Code	DSU 2007D	DSU 2008D	DSU 2010D	DSU 2011D	DSU 2013D
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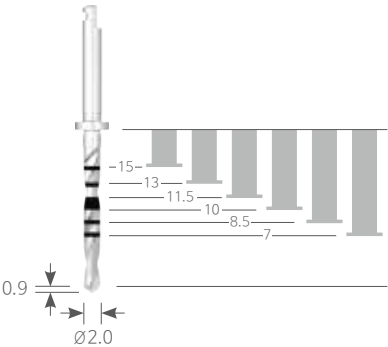
K

D Ø2.0

· Only use UFII Surgical Kit

Unit mm | Scale 1 : 1.2

Code	DHF 2015SD
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Drill stopper

K

D Ø2.0

· Only use UFII Surgical Kit

Unit mm | Scale 1 : 1

Code	ST 2015F	ST 2013F	ST 2011F	ST 2010F	ST 2008F
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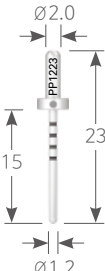
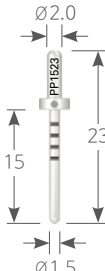
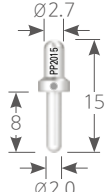
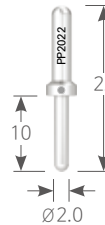
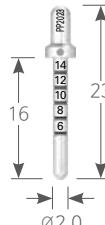


● Sold separately

Parallel Pin

Sold separately

Unit mm | Scale 1 : 1

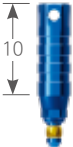
Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023
					

Path Pin

Sold separately

Unit mm | Scale 1 : 1.2

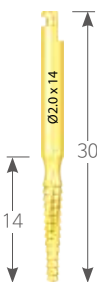
Code	DPP 3512
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Lindemann Drill

Unit mm | Scale 1 : 1.2

Code	RMH 2014S
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Positioning Guide

Sold separately

Unit mm | Scale 1 : 1.2

Code	PG 0060
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Angled Path Pin

Sold separately

Unit mm | Scale 1 : 1.15

Code	DAP 4515A	DAP 4515B
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Type

Hex A

Hex B

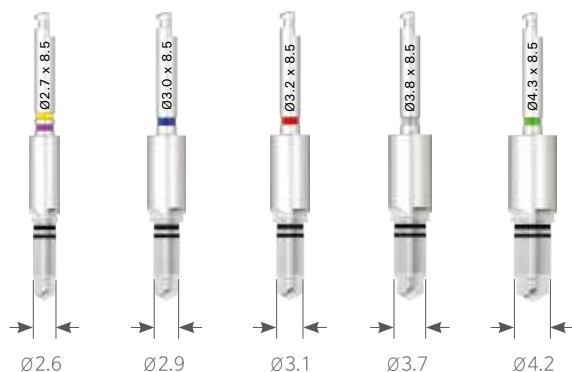
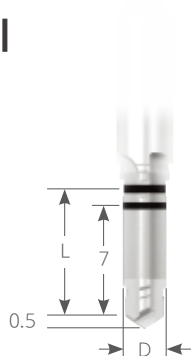
IMPLANT SYSTEM

UFII IMPLANT SYSTEM

UFII Master Kit · UFII Surgical Kit

Surgical Tool

Drill



Color



Scale 1 : 1.15

K D Ø2.6

● Sold separately

Unit mm | Scale 1 : 1

Code	DSU 2707D	DSU 2708D	DSU 2710D	DSU 2711D	DSU 2713D	DSU 2715D	DSU 2718D
Length	7	8.5	10	11.5	13	15	18

K D Ø2.9

Unit mm | Scale 1 : 1

Code	DSU 3007D	DSU 3008D	DSU 3010D	DSU 3011D	DSU 3013D	DSU 3015D	DSU 3018D
Length	7	8.5	10	11.5	13	15	18

K D Ø3.1

Unit mm | Scale 1 : 1

Code	DSU3207D	DSU3208D	DSU 3210D	DSU 3211D	DSU 3213D	DSU 3215D	DSU 3218D
Length	7	8.5	10	11.5	13	15	18

K D Ø3.7

Unit mm | Scale 1 : 1

Code	DSU 3807D	DSU 3808D	DSU 3810D	DSU 3811D	DSU 3813D	DSU 3815D	DSU 3818D
							

Length 7 8.5 10 11.5 13 15 18

K D Ø4.2

Unit mm | Scale 1 : 1

Code	DSU4307D	DSU4308D	DSU 4310D	DSU 4311D	DSU 4313D	DSU 4315D	DSU 4318D
							

Length 7 8.5 10 11.5 13 15 18

K D Ø4.7

Unit mm | Scale 1 : 1

Code	DSU 4808D	DSU 4810D	DSU 4811D	DSU 4813D	DSU 4815D	DSU 4818D
						

Length 8.5 10 11.5 13 15 18

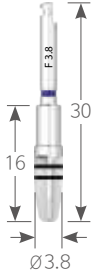
Surgical Tool

Profile Drill

K

Unit mm | Scale 1 : 1

Fixture Size	Ø3.8	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Code	UPD 3805D	UPD 4005D	UPD 4505D	UPD 5005D	UPD 5505D



Ø3.8



Ø4.0



Ø4.5



Ø5.0



Ø5.5

Color

●

●

●

●

○

Tap Drill

K

Unit mm | Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Code	UNTD 3015	UNTD 3315	UT (II) 3815	UT (II) 4015	UT (II) 4515	UT (II) 5015	UT (II) 5515



Ø3.0



Ø3.3



Ø3.8



Ø4.0



Ø4.5



Ø5.0



Ø5.5

Color

●

●

●

●

●

●

○

Drill Extension

K

Unit mm | Scale 1 : 1.2

Code	DE 3811
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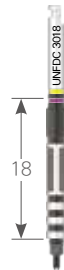


Fixture Driver Narrow

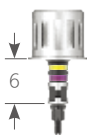
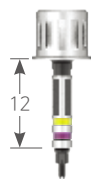
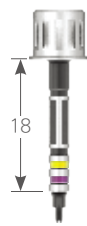
● Sold separately

K Machine

Unit mm | Scale 1 : 1

Code	UNFDC 3006	UNFDC 3012	UNFDC 3018
			

K Ratchet

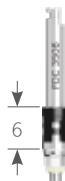
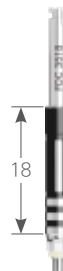
Code	UNFDW 3006	UNFDW 3012	UNFDW 3018
			

Fixture Driver Regular / Wide

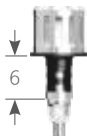
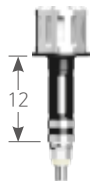
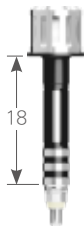
● Sold separately

K Machine

Unit mm | Scale 1 : 1

Code	FDC 3506	FDC 3512	FDC 3518
			

K Ratchet

Code	FDW 3506A	FDW 3512A	FDW 3518A
			

Surgical Tool

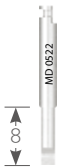
Screw Driver Machine

● Sold separately

K Slot 0.5

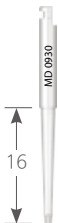
Unit mm | Scale 1 : 1

Code	MD 0522	MD 0530
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K Hex 0.9

Code	MD 0922	MD 0930
------	---------	---------



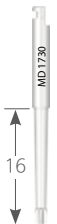
K Hex 1.2

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239
------	---------	---------	---------	---------	---------



K Torx 1.7

Code	MD 1719	MD 1722	MD 1730
------	---------	---------	---------

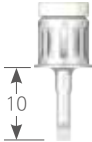
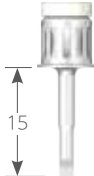


Screw Driver Ratchet

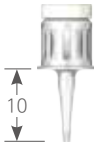
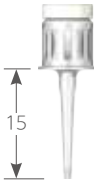
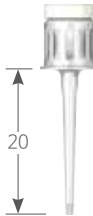
● Sold separately

K Slot 0.5

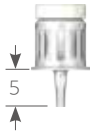
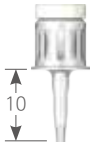
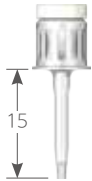
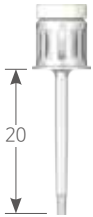
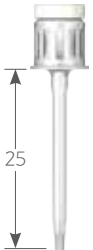
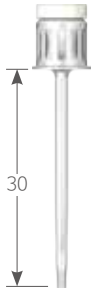
Unit mm | Scale 1 : 1

Code	HD 0510A	HD 0515A
		

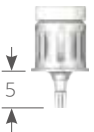
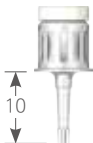
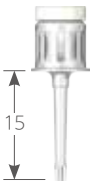
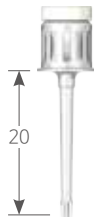
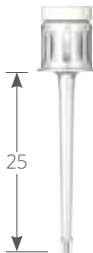
K Hex 0.9

Code	HD 0910A	HD 0915A	HD 0920A
			

K Hex 1.2

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A
						

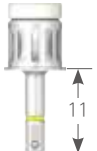
K Torx 1.7

Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A
					

Surgical Tool

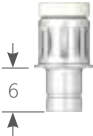
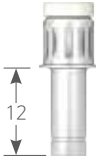
Fixture Mount Driver

· Only use UF II Master Kit

K Hex 2.5		Unit mm Scale 1 : 1	
Type	Machine		Ratchet
Code	MHDC 2520	MHDC 2525	MHDR 2513A
			
			

Solid Abutment Driver

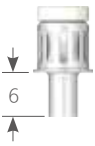
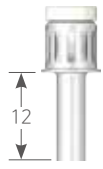
· Only use UF II Master Kit

K		Unit mm Scale 1 : 1.2	
Length	6		12
			
Diameter Ø4.5	HDS 4506A	HDS 4512A	
Ø5.5	HDS 5506A	HDS 5512A	
Ø6.5	HDS 6506A	HDS 6512A	

Ball Abutment Driver

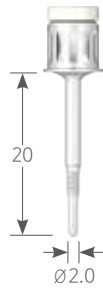
· Only use UF II Master Kit

● Sold separately

K			Unit mm Scale 1:1	
Code			HD 2406A	HD 2412A
				

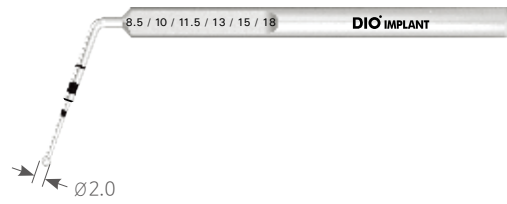
Abutment Removing Driver

· Only use UF II Master Kit

K			Unit mm Scale 1:1	
Code			HARD 20315A	HARD 20320A
				

Surgical Tool

Depth Gauge



K D Ø2.0

Unit mm | Scale 1 : 1

Code

DPG 2050

Open Wrench

- Used to remove Mount if the bone is soft.
- 30 ° Neck angle for convenience in intraoral insertion.



K

Unit mm | Scale 1 : 1

Code

OW 004

Torque Wrench



K

Unit mm | Scale 1 : 1

Code

DTW 0060

UF II Narrow Kit

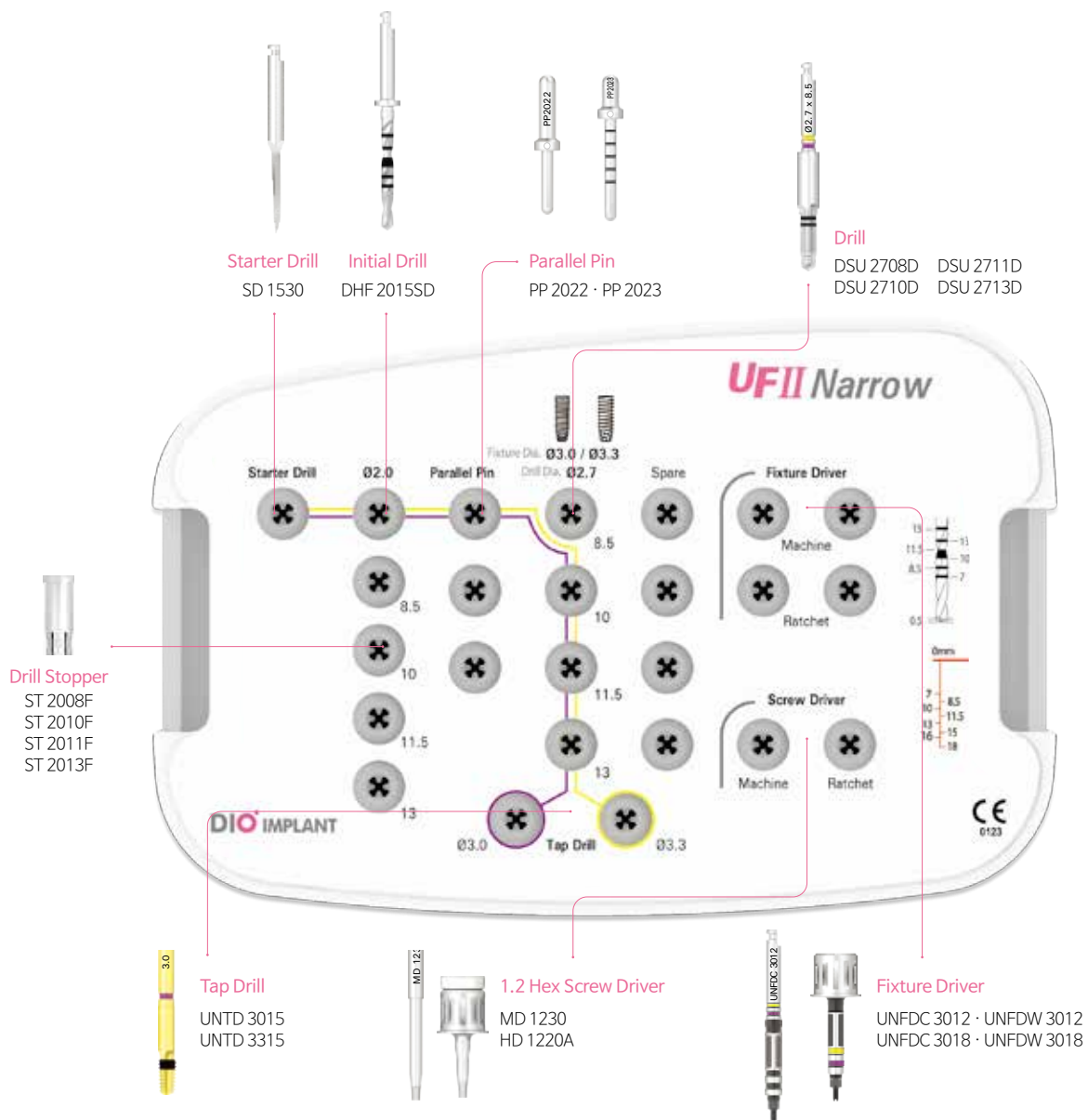
Kit Code | UF 08

- Kit composed of drill with outstanding cutting force and durability, etc.
- UF II Narrow Ø3.0 Ø3.3 Fixture

Unit mm | Drill Scale 1:0.9

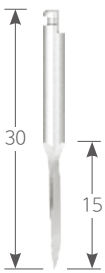
IMPLANT SYSTEM

UF II IMPLANT SYSTEM | UF II Narrow Kit



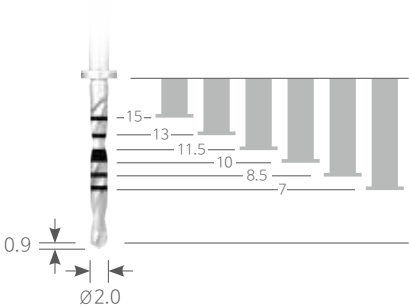
Surgical Tool

Starter Drill



K		Unit mm Scale 1 : 1.2	
Code		SD 1530	

Initial Drill



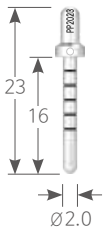
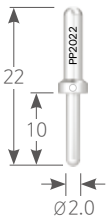
K D Ø2.0		Unit mm Scale 1 : 1.2	
Code		DHF 2015SD	

Drill stopper

K D Ø2.0		Unit mm Scale 1 : 1			
Code	ST 2015F	ST 2013F	ST 2011F	ST 2010F	ST 2008F
					

Parallel Pin

K D Ø2.0		Unit mm Scale 1 : 1	
Code		PP 2022	PP 2023



Surgical Tool

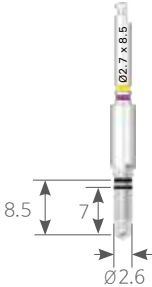
Drill

K

D Ø2.6

Unit mm | Scale 1 : 1

Code	DSU 2708D	DSU 2710D	DSU 2711D	DSU 2713D
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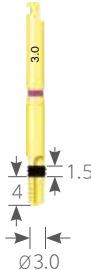


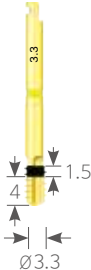
Tap Drill

K

Unit mm | Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3
Code	UNTD 3015	UNTD 3315





Fixture Driver

· Maximum Tightening Torque : 50Ncm

 Sold separately

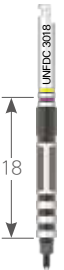
K

Unit mm | Scale 1 : 1

Type	Machine			Ratchet		
Code	UNFDC 3006	UNFDC 3012	UNFDC 3018	UNFDW 3006	UNFDC 3012	UNFDC 3018





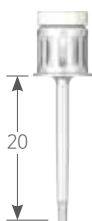






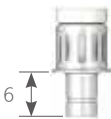
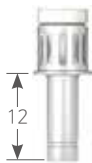


Screw Driver

K Hex 1.2		Unit mm Scale 1 : 1	
Type	Machine		Ratchet
Code	MD 1230		HD 1220A
			

Solid Abutment Driver

· Only use UFil Narrow Kit

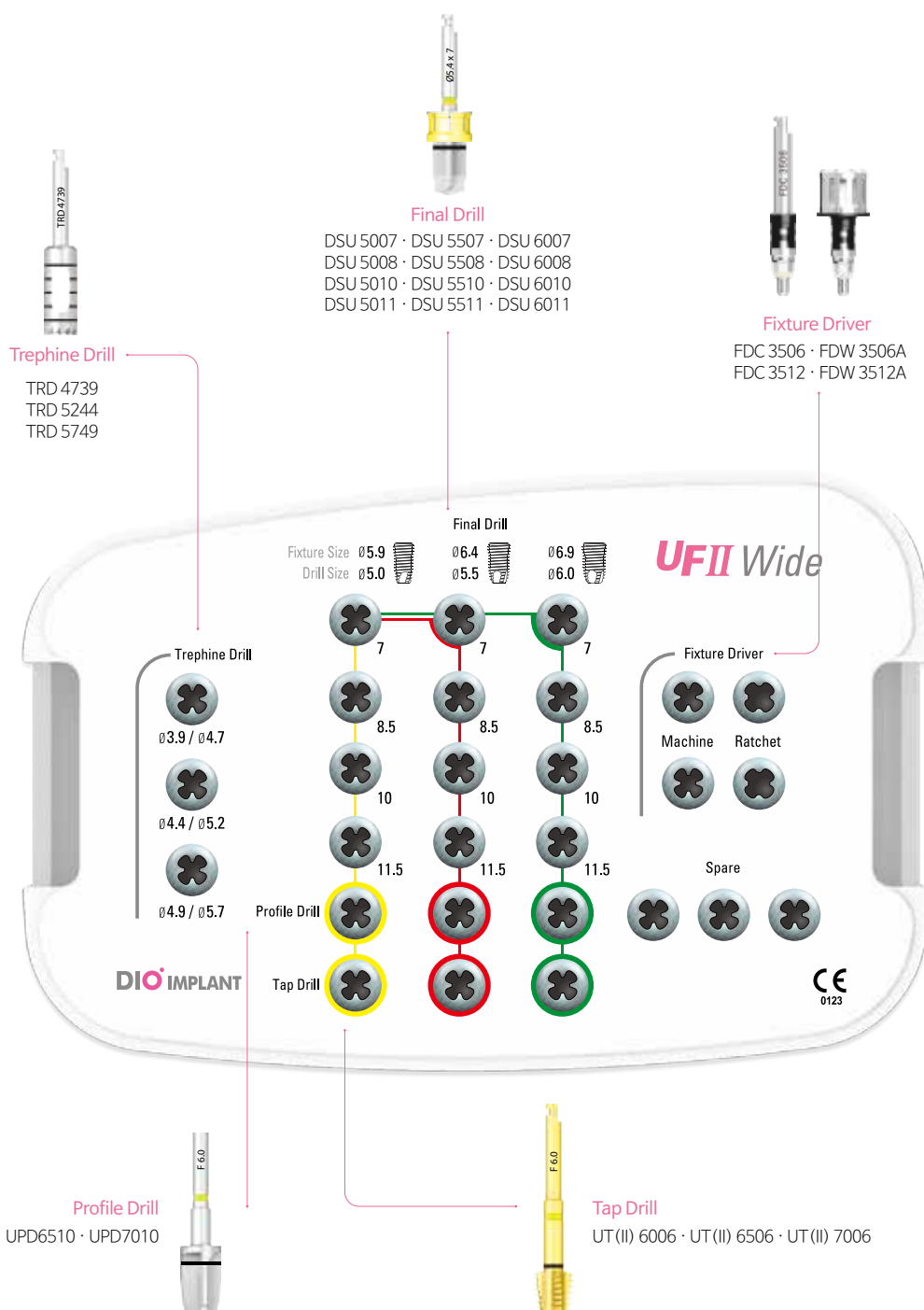
K D Ø4.0		● Sold separately	
		Unit mm Scale 1 : 1	
Length	6		12
Code	UNHDS 4006A		UNHDS 4012A
			

UFII Wide Kit

Kit Code I UF 09

- Kit composed of drill with outstanding cutting force and durability, etc.
- UFII Wide $\varnothing 5.9$ $\varnothing 6.4$ $\varnothing 6.9$ Fixture

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Trephine Drill



Scale 1 : 1.15

K Unit mm Scale 1 : 1			
Code	TRD 4739	TRD 5244	TRD 5749
			
Diameter 1	Ø3.9	Ø4.4	Ø4.9
Diameter 2	Ø4.7	Ø5.2	Ø5.7

Profile Drill



Scale 1 : 1.15

K Unit mm Scale 1 : 1			
Fixture Size	Ø5.9	Ø6.4	Ø6.9
Code	UPD 6010	UPD 6510	UPD 7010
			
	Ø5.9	Ø6.4	Ø6.9
Color			

Surgical Tool

Final Drill



● Sold separately

K D $\varnothing 4.9$ Unit mm | Scale 1:1

Code	DSU 5007	DSU 5008	DSU 5010	DSU 5011	DSU 5013	DSU 5015
						
Length	7	8.5	10	11.5	13	15

K D $\varnothing 5.4$

Code	DSU 5507	DSU 5508	DSU 5510	DSU 5511	DSU 5513	DSU 5515
						
Length	7	8.5	10	11.5	13	15

K D $\varnothing 5.9$

Code	DSU 6007	DSU 6008	DSU 6010	DSU 6011	DSU 6013	DSU 6015
						
Length	7	8.5	10	11.5	13	15

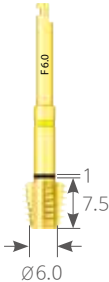
Tap Drill

K

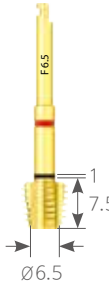
Unit mm | Scale 1 : 1

Fixture Size	Ø5.9	Ø6.4	Ø6.9
Code	UT(II) 6006	UT(II) 6506	UT(II) 7006

Color



Ø6.0



Ø6.5



Ø7.0

Fixture Driver

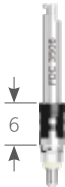
K

D Ø3.6

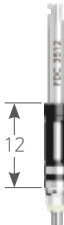
Sold separately

Unit mm | Scale 1 : 1

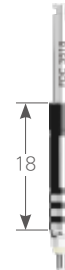
Type	Machine			Ratchet		
Code	FDC 3506	FDC 3512	FDC 3518	FDW 3506A	FDW 3512A	FDW 3518A



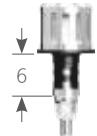
6



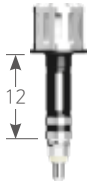
12



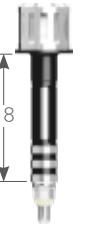
18



6



12

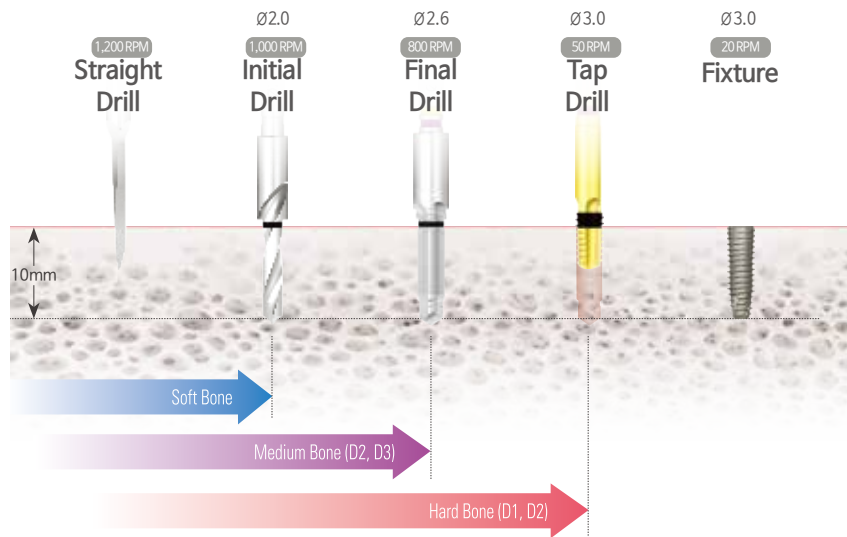


18

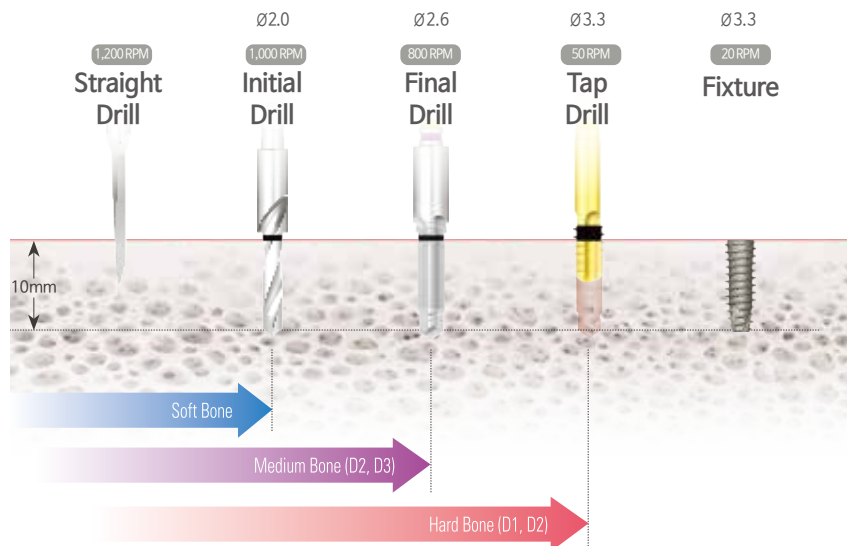
086

UFII Surgical Protocol

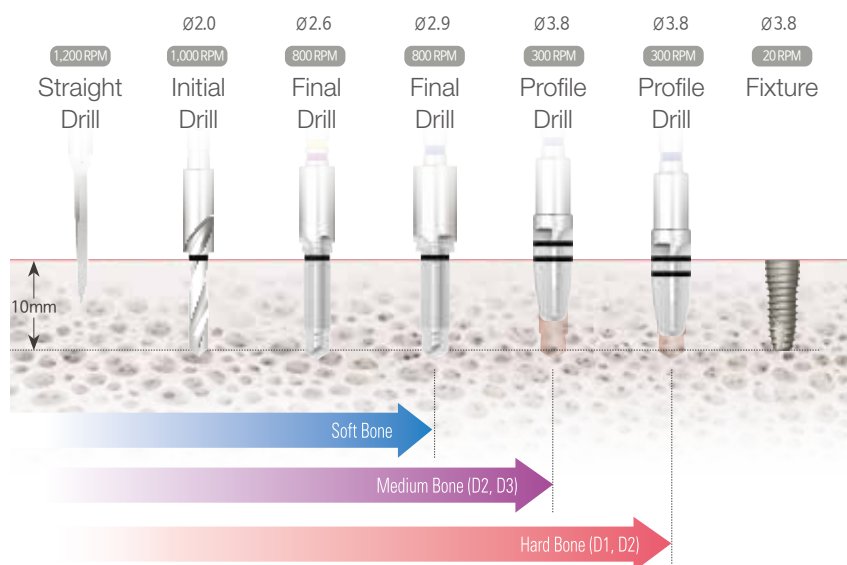
Ø3.0 Fixture



Ø3.3 Fixture

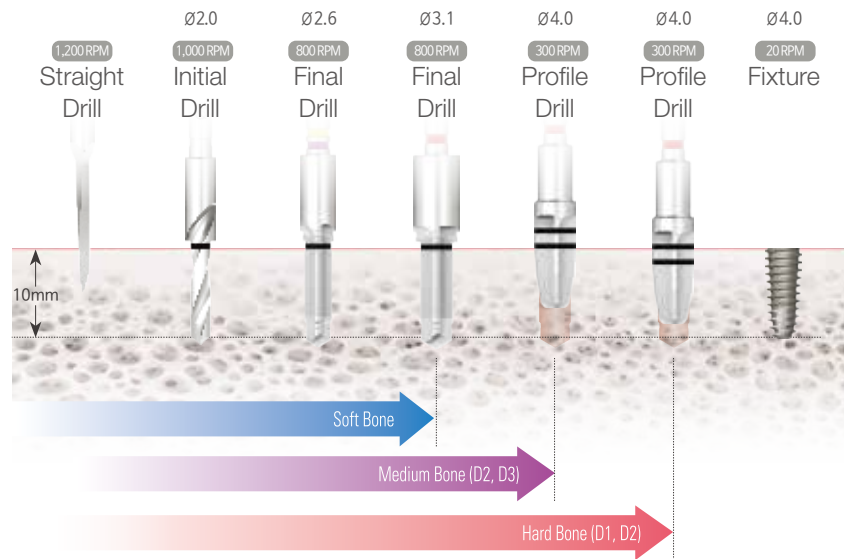


Ø3.8 Fixture

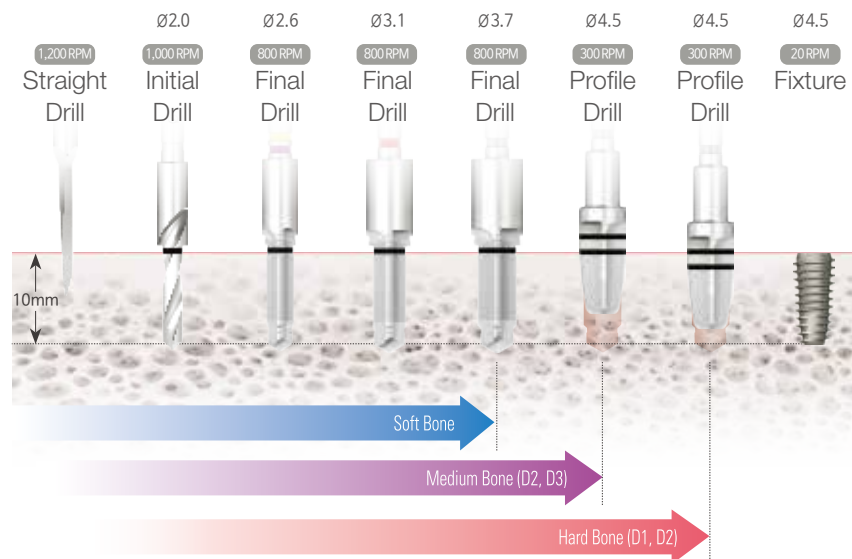


UFII Surgical Protocol

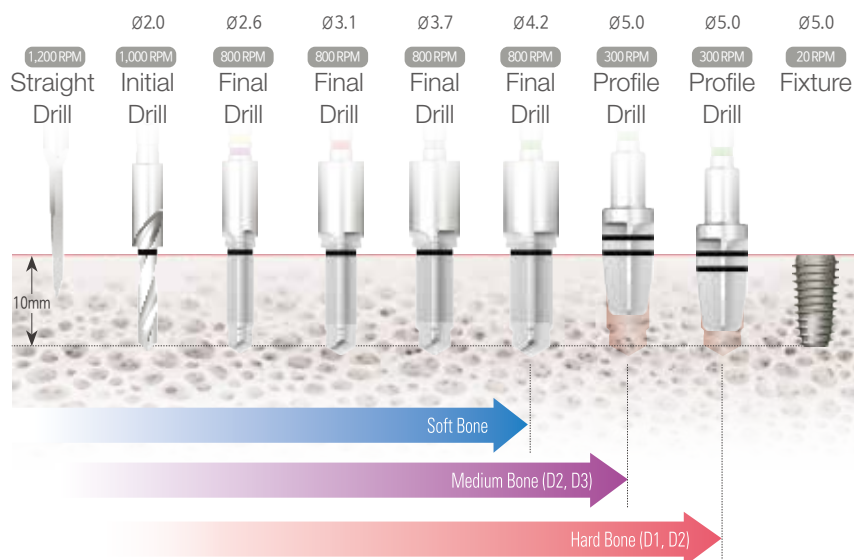
Ø4.0 Fixture



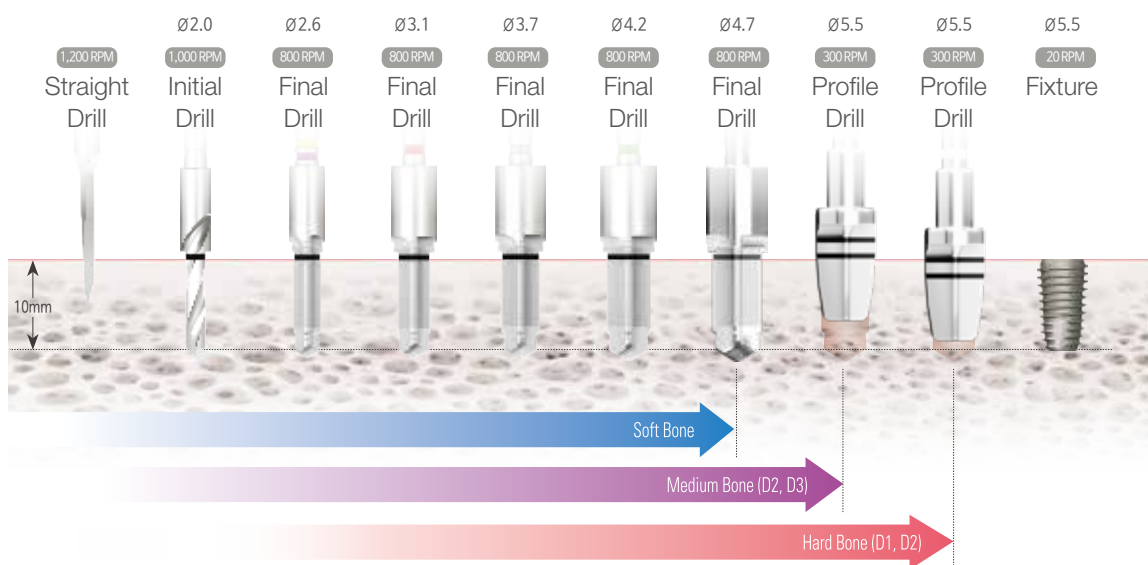
Ø4.5 Fixture



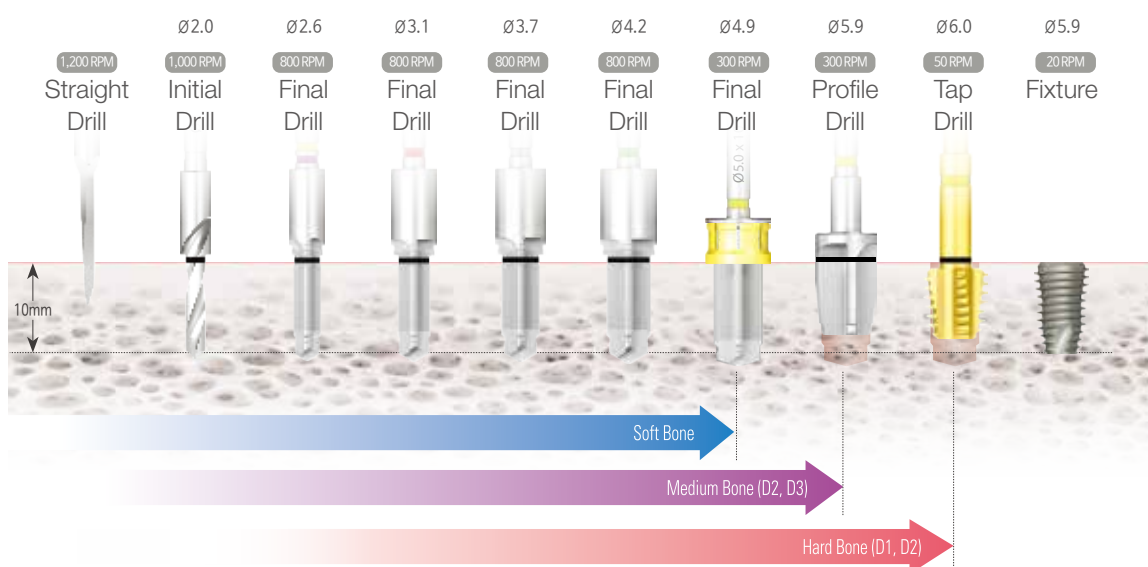
Ø5.0 Fixture



Ø5.5 Fixture

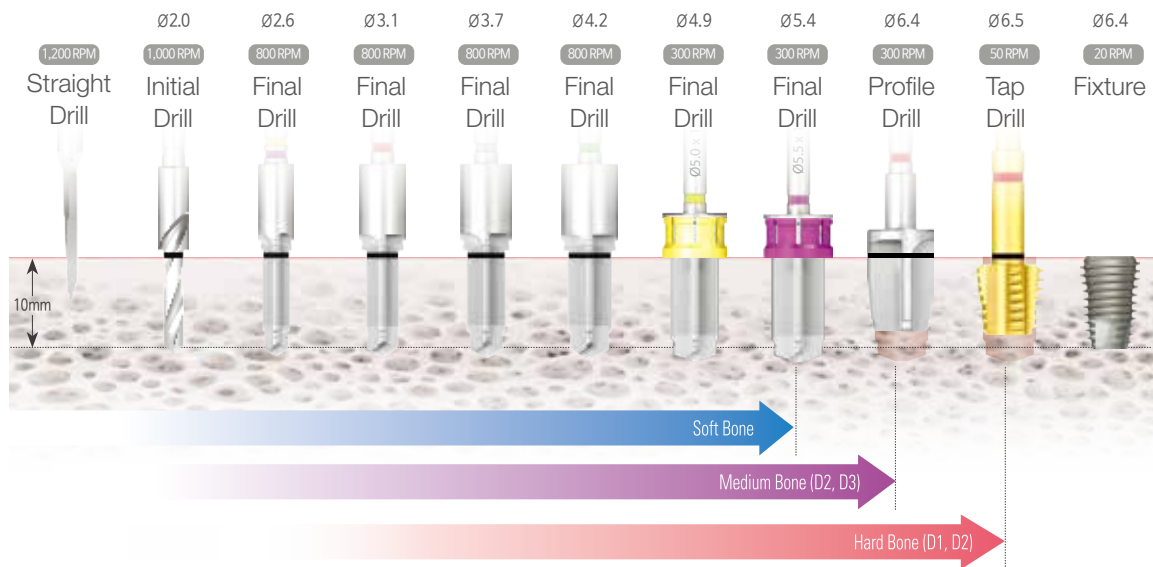


Ø5.9 Fixture

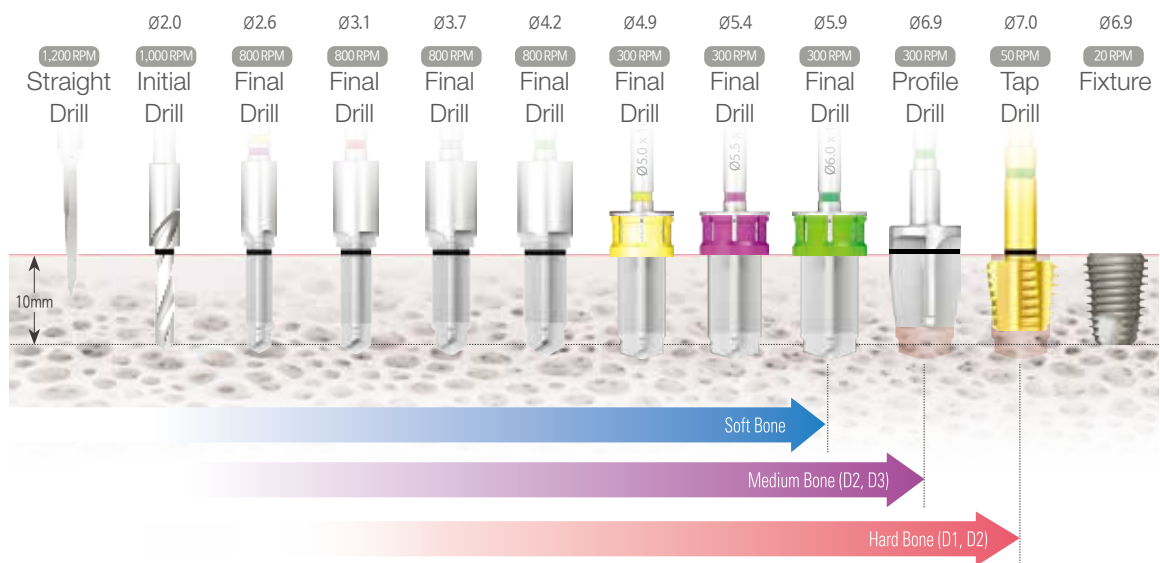


UFII Surgical Protocol

Ø6.4 Fixture



Ø6.9 Fixture



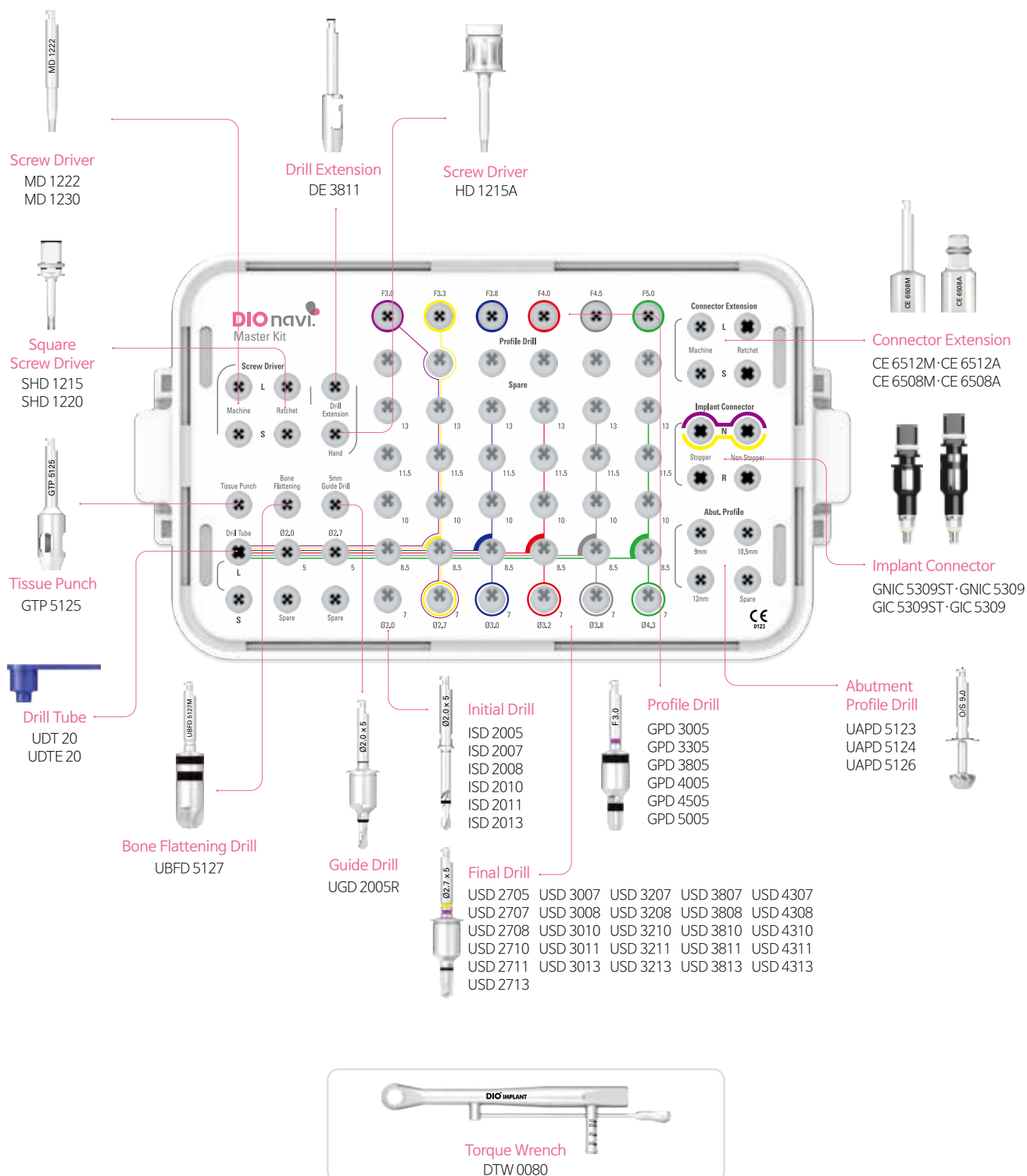
DIOnavi. Kits

DIOnavi. Master Kit

Kit Code I UF 05

- Kit composed of drill with outstanding cutting force and durability, etc.
- UFII 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 I Drill Scale 1 : 0.9



Surgical Tool

Tissue Punch

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



K D $\varnothing 3.0$

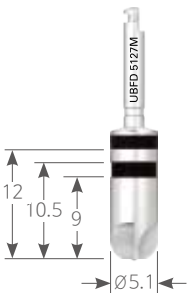
Unit mm | Scale 1 : 1

Code

GTP 5125

Bone Flattening Drill

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



K D $\varnothing 5.1$

Unit mm | Scale 1 : 1

Code

UBFD 5127

Guide Drill

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



K D $\varnothing 2.0$ Length 5

Unit mm | Scale 1 : 1

Code

UGD 2005R

Drill Extension



K Length 11

Unit mm | Scale 1 : 1

Code

DE 3811

Surgical Tool

Drill Tube

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



● Sold separately

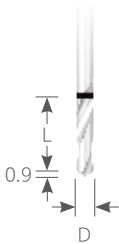
Unit mm | Scale 1 : 1

Code	UDT 20		UDTE 20		UDTL 20	



Initial Drill

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



● Sold separately

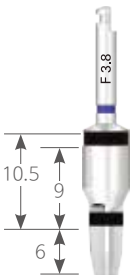
Unit mm | Scale 1 : 1

Code	ISD 2005 ISD 2007 ISD 2008 ISD 2010 ISD 2011 ISD 2013 ISD 2015						

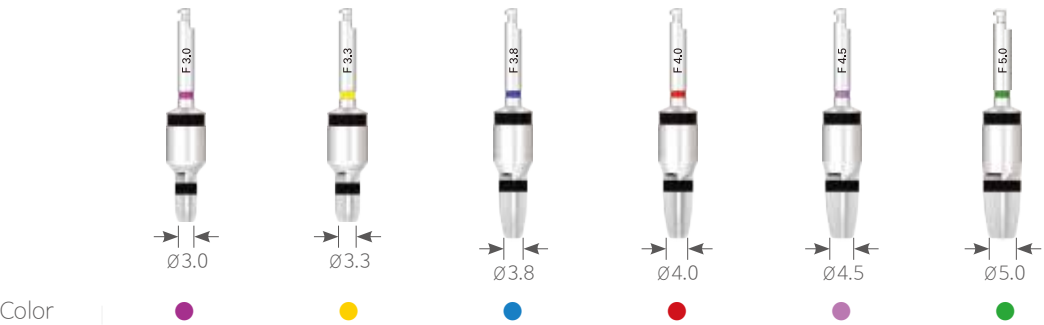


Profile Drill

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



K		Unit mm Scale 1 : 1				
Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	GPD 3005	GPD 3305	GPD 3805	GPD 4005	GPD 4505	GPD 5005

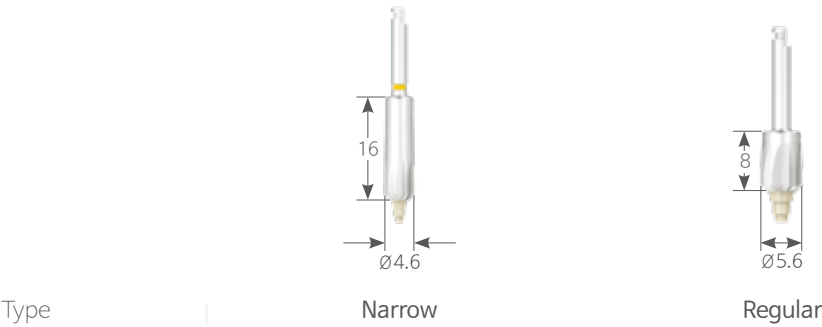


Bone Profile Drill

- When connecting abutment (healing) after implant placement, It is necessary to contour the bone for proper seating of the abutments. (to contour bone to allow for a wider emergence profile restoration)
- To flatten and remove bone that has grown around or over an implant which impedes its restoration. (When use a Abutment (with Healing Abutment)
- When abutment is completely tightened transmucosal recovery time is reduced.

● Sold separately

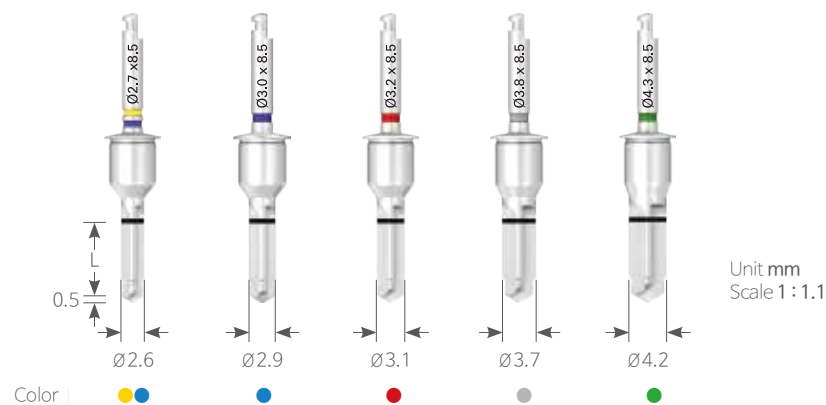
K		Unit mm Scale 1 : 1	
Code		BPD 4616GN	BPD 5608G



Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



K D Ø2.6							Sold separately
Code	USD 2705	USD 2707	USD 2708	USD 2710	USD 2711	USD 2713	USD 2715
							
Length	5	7	8.5	10	11.5	13	15

K D Ø2.9							Unit mm Scale 1 : 1
Code	USD 3005	USD 3007	USD 3008	USD 3010	USD 3011	USD 3013	USD 3015
							
Length	5	7	8.5	10	11.5	13	15

● Sold separately

K D Ø3.1

Unit mm | Scale 1 : 1

Code	USD 3205	USD 3207	USD 3208	USD 3210	USD 3211	USD 3213	USD 3215
							
Length	5	7	8.5	10	11.5	13	15

K D Ø3.7

Unit mm | Scale 1 : 1

Code	USD 3805	USD 3807	USD 3808	USD 3810	USD 3811	USD 3813	USD 3815
							
Length	5	7	8.5	10	11.5	13	15

K D Ø4.2

Unit mm | Scale 1 : 1

Code	USD 4305	USD 4307	USD 4308	USD 4310	USD 4311	USD 4313	USD 4315
							
Length	5	7	8.5	10	11.5	13	15

Surgical Tool

Tap Drill

- Excessive implant placement torque is prevented.
- Ø3.0/Ø3.3 : Uses 5.3 Sleeve (GS 53BL: Blue)

● Sold separately

Unit mm | Scale 1 : 1

K						
Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	GNTD 3015	GNTD 3315	GTD 3815	GTD 4015	GTD 4515	GTD 5015
Color						

Abutment Profile Drill

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

K			
Code	UAPD 5123	UAPD 5124	UAPD 5126
Offset	9	10.5	12

Connector Extension

- Length of the connector is extended during implant placement.

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

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

Sold separately

Unit mm | Scale 1 : 1

Type	Ratchet			Machine
Code	Non-Stopper	Stopper	Multi	Non-Stopper

1.7 Hex

GNIC 5309

GNIC 5309ST

GNIC 5317

GNICC 5309

UFII **Narrow**

2.5 Hex

GIC 5309

GIC 5309ST

GIC 5317

GICC 5309

UFII **Regular**

Surgical Tool

Screw Driver

K Hex 1.2	Unit mm Scale 1 : 1		
Code	MD 1222	MD 1230	HD 1215A
Type	Machine	Machine	Ratchet

Sqaure Screw Driver

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

Torque Wrench

· To place the fixture using an implant connector

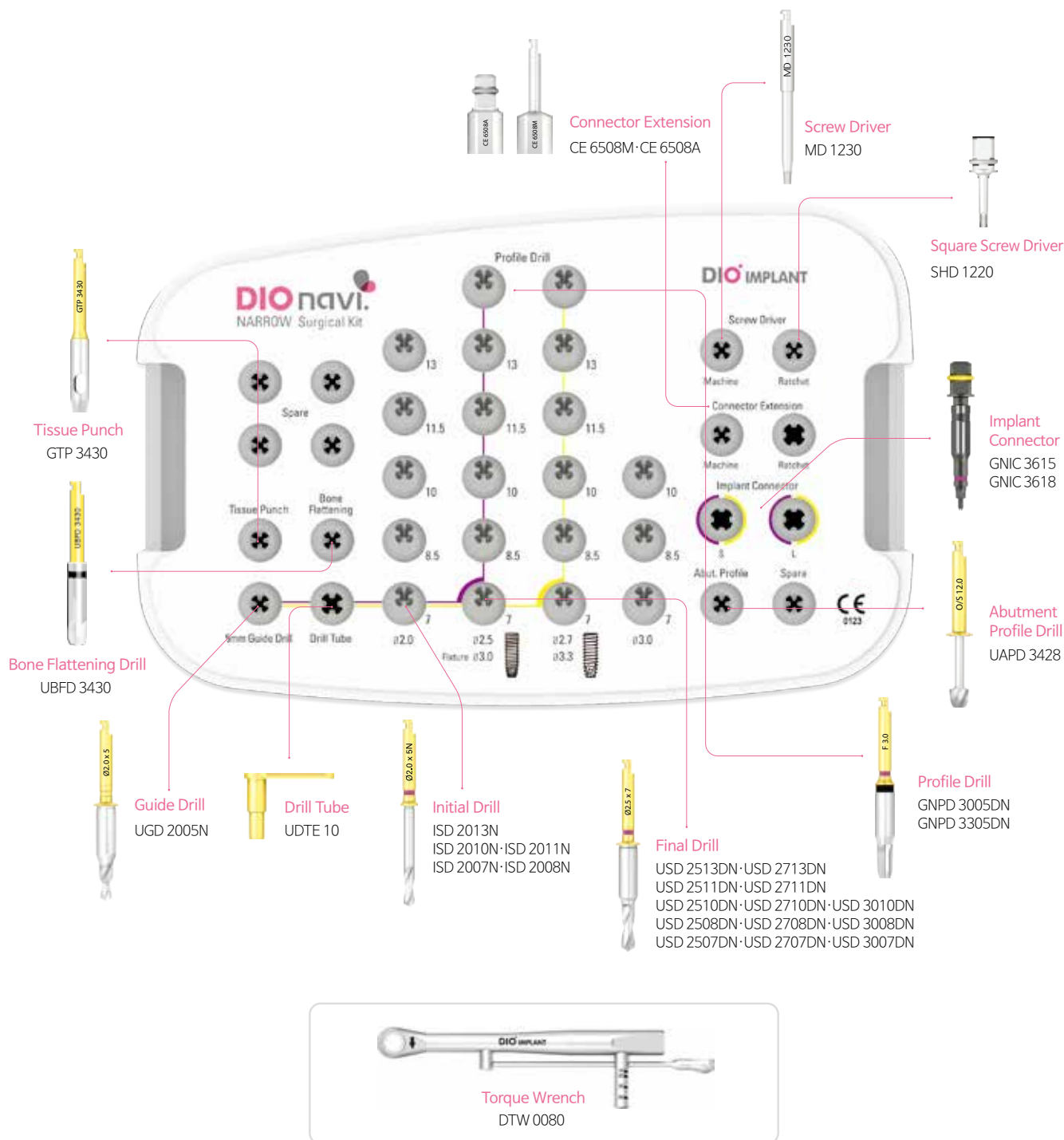
K	
Code	DTW 0080

DIOnavi. Narrow Kit

Kit Code I UF 14

- 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, GS36

Unit mm I Drill Scale 1 : 0.9



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.



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

K D Ø2.8

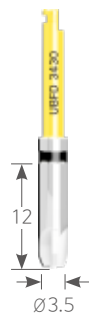
Unit mm | Scale 1 : 1.15

Code

GTP 3430

Bone Flattening Drill

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



Quadruple blade
A triple blade is used for stable drilling of the hard alveolar ridge.

K D Ø3.5

Unit mm | Scale 1 : 1.15

Code

UBFD 3430

Guide Drill

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



Double stepped drill
Stable drilling can be done due to short double step drill. This is a basic drill to maintain the accuracy of the path.

K D Ø2.0

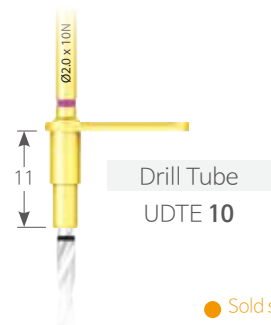
Unit mm | Scale 1 : 1.15

Code

UGD 2005N

Initial Drill

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



● Sold separately

Unit mm | Scale 1 : 1

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

Drill Tube

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



K D Ø3.5		Unit mm Scale 1 : 1.15
Code	UDTE 10	

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	●		●

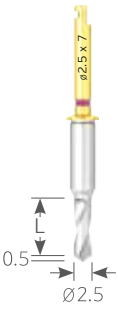
Surgical Tool

Final Drill

● Sold separately

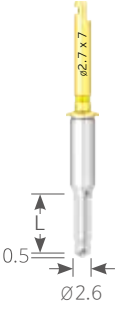
K D Ø2.5

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

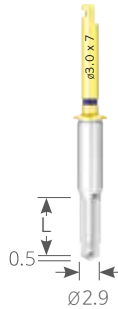
K D Ø2.6

Unit mm | Scale 1 : 1

Code	USD 2707DN	USD 2708DN	USD 2710DN	USD 2711DN	USD 2713DN	USD 2715DN
						

K D Ø2.9

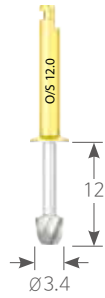
Unit mm | Scale 1 : 1

Code	USD 3007DN	USD 3008DN	USD 3010DN	USD 3011DN	USD 3013DN	USD 3015DN
						

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-Scanbody.

K D Ø3.4	
Code	UAPD 3428



Unit mm | Scale 1 : 1.15

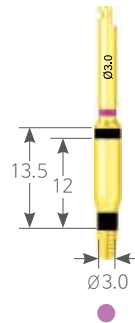
Tap Drill

- Uses 3.6 Sleeve (GSL 36YE : Yellow)

K Hex 1.7		
Code	GNTD 3018DN	GNTD 3318DN

● Sold separately

Unit mm | Scale 1 : 1



Color

Implant Connector

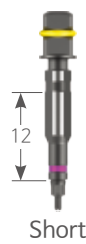
- If depth of placement and position of fixture hexagon are aligned with the guide sleeve projection during placement of the fixture, it is aligned with hex direction of the premade customized abutment.

K Hex 1.7		
Code	GNIC 3615	GNIC 3618

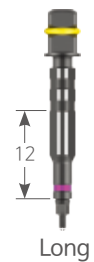
Unit mm | Scale 1 : 1



Type



Short



Long

Connector Extension

- Length of the connector is extended during implant placement.

K				
Code	CE 6508A	CE 6508M	CE 6512A	CE 6512M

● Sold separately

Unit mm | Scale 1 : 1.2



Ratchet



Machine



Ratchet



Machine

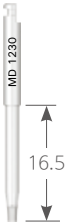
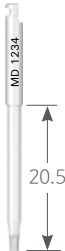
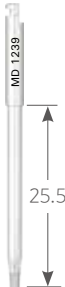
Type

Surgical Tool

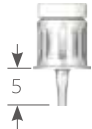
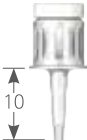
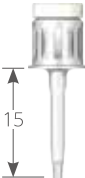
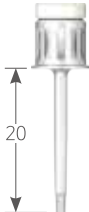
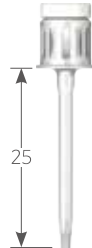
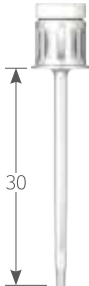
Screw Driver Machine

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

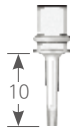
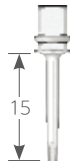
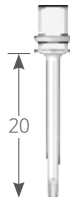
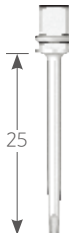
● Sold separately

K Hex 1.2		Unit mm Scale 1 : 1			
Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239
 1.2  5.5  8.5  16.5  20.5  25.5					

Screw Driver Ratchet

K Hex 1.2		Unit mm Scale 1 : 1				
Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A
 1.2  5  10  15  20  25  30						

Square Screw Driver

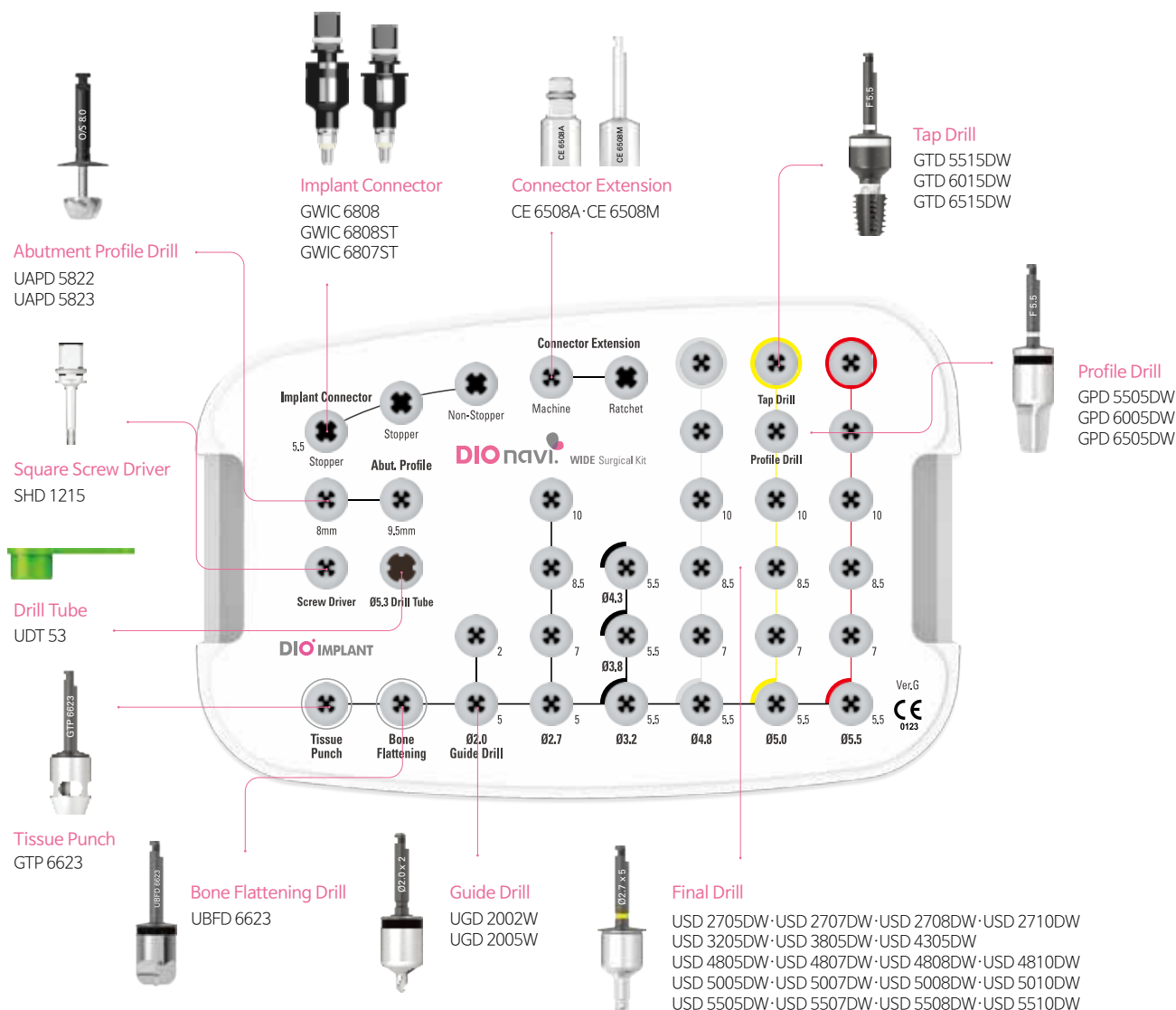
K Hex 1.2		Unit mm Scale 1 : 1			
Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230
 10  15  20  25  30					

DIOnavi. Wide Kit

Kit Code | UF 11

- Kit composed of drill with outstanding cutting force and durability, etc.
- UFII Wide Ø5.5 Ø6.0 Ø6.5 Fixture
- Guide Sleeve : GS 68GN

Unit mm | Drill Scale 1 : 0.9



Torque Wrench
DTW 0080

Surgical Tool

Tissue Punch

· Gingiva can be removed stably using a fixed blade inside the punch

K

D Ø4.5

Code

GTP 6623



Unit mm | Scale 1 : 1.15

Bone Flattening Drill

· Irregular alveolar crest surface is flattened.

K

D Ø6.7

Code

UBFD 6623



Unit mm | Scale 1 : 1.15

Drill Tube

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

K

Code

UDT 53



Unit mm | Scale 1 : 1.2

Guide Drill

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

K

D Ø2.0

Code

UGD 2002W

UGD 2005W

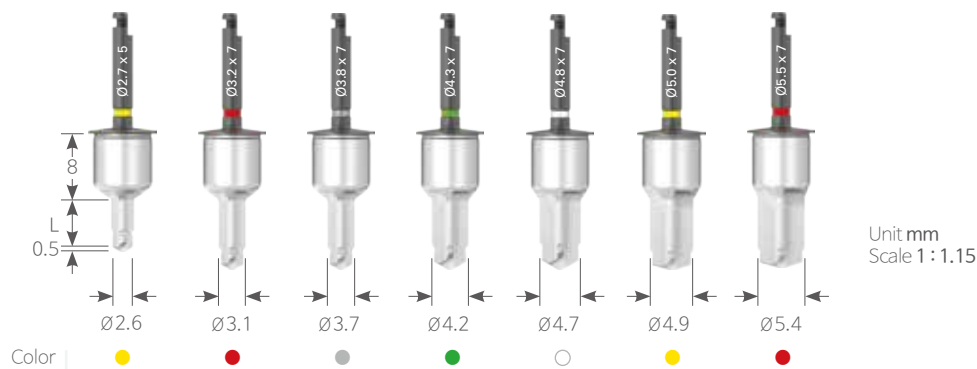
Unit mm | Scale 1 : 1



Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



K D Ø2.6					Unit mm Scale 1 : 1	
Code	USD 2705DW	USD 2707DW	USD 2708DW	USD 2710DW		
Length						
	5	7	8.5	10		

K Length 5.5				Unit mm Scale 1 : 1	
Code	USD 3205DW	USD 3805DW	USD 4305DW		
Diameter					
	Ø3.1	Ø3.7	Ø4.2		

Surgical Tool

K D Ø4.7		Unit mm Scale 1 : 1		
Code	USD 4805DW	USD 4807DW	USD 4808DW	USD 4810DW
				
Length	5.5	7	8.5	10

K D Ø4.9		Unit mm Scale 1 : 1		
Code	USD 5005DW	USD 5007DW	USD 5008DW	USD 5010DW
				
Length	5.5	7	8.5	10

K D Ø5.4		Unit mm Scale 1 : 1		
Code	USD 5505DW	USD 5507DW	USD 5508DW	USD 5510DW
				
Length	5.5	7	8.5	10

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

Unit mm | Scale 1:1



Technical drawing of a 5.5mm diameter drill bit. The drawing shows a side view of the drill bit with a 118° angle and a 5.5mm diameter label.

○



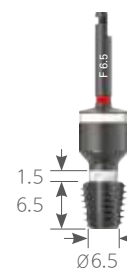
●

- Excessive implant placement torque is prevented.

Unit mm | Scale 1:1

Technical drawing of a 155 F 1.55 drill bit. The drawing shows the bit with dimensions: 1.5, 7, and Ø5.5.

○



- Length of the connector is extended during implant placement.

Unit mm | Scale 1:1.1



Ratchet



Machine

Abutment Profile Drill

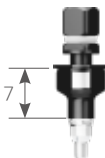
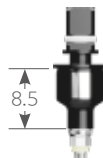
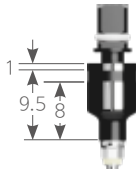
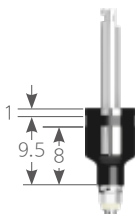
- The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K D Ø5.8		Unit mm Scale 1 : 1	
Code	UAPD 5822	UAPD 5823	
			
Offset	8	9.5	

Implant Connector

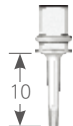
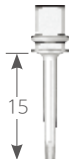
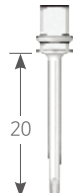
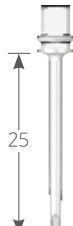
- Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
- Maximum Tightening Torque : 50Ncm

● Sold separately

K		Unit mm Scale 1 : 1			
Code	GWIC 6807ST	GWIC 6808ST	GWIC 6808	GWICC 6808	
					
Type	Stopper	Stopper	Non-Stopper	Machine Non-Stopper	
Offset	7	8	8 / 9.5	8 / 9.5	

Square Screw Driver

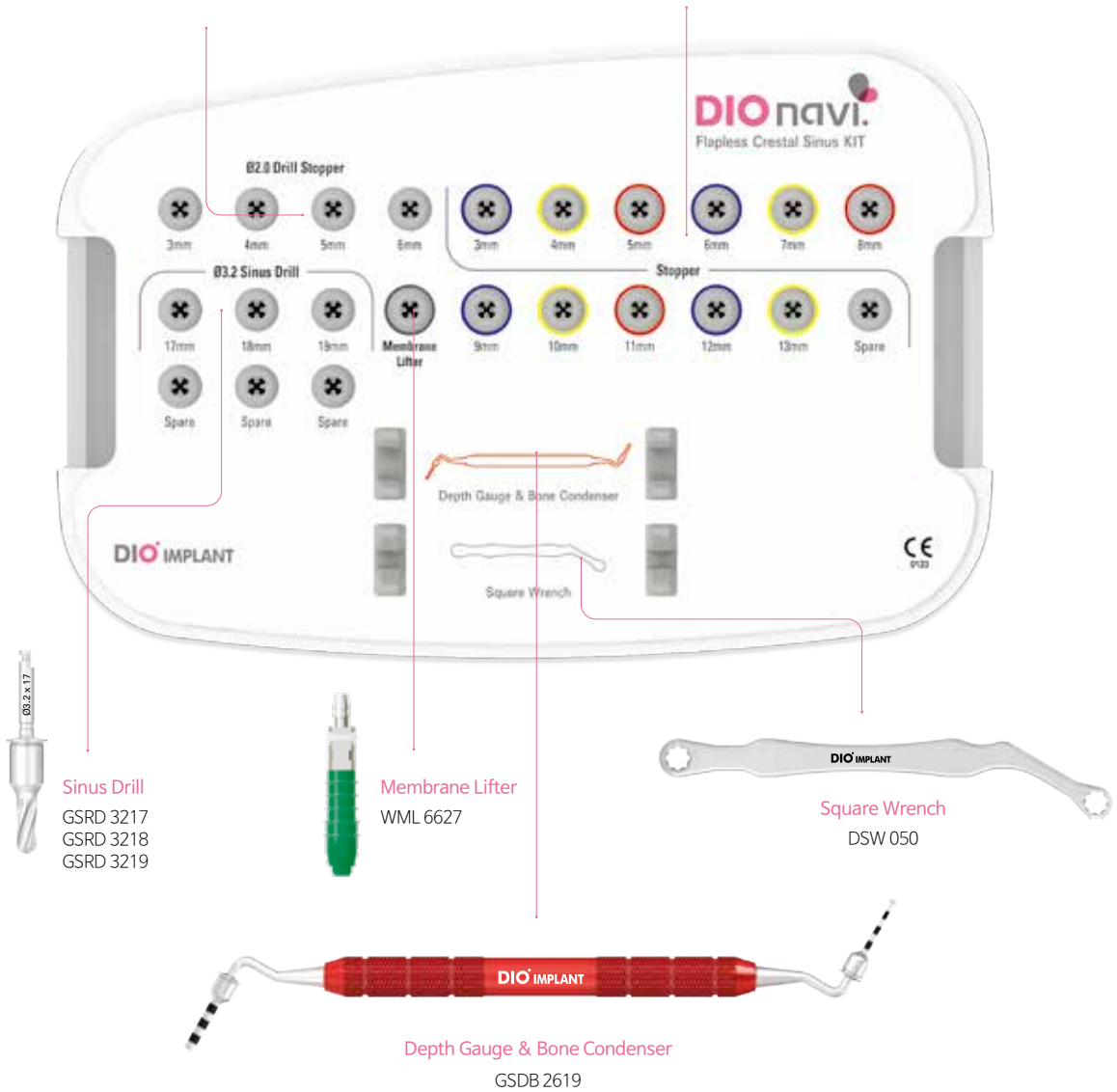
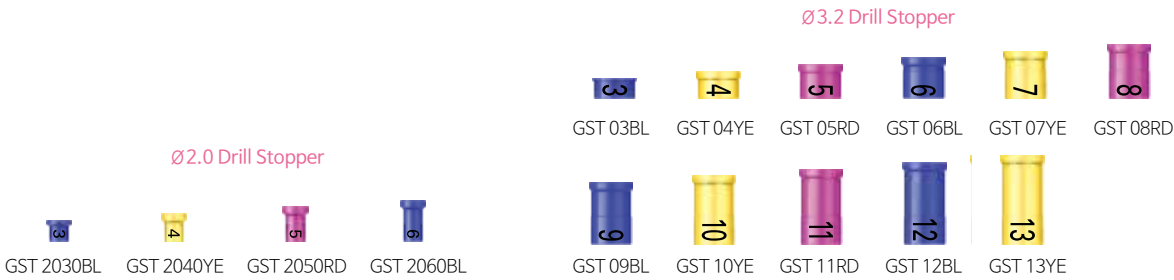
● Sold separately

K Hex 1.2		Unit mm Scale 1 : 1				
Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230	
						
	10	15	20	25	30	

DIOnavi. Flapless Crestal Sinus Kit

Kit Code | SMK 02

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

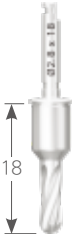
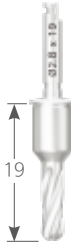
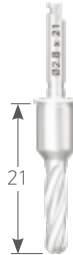
Ø2.0 Drill Stopper

- 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 1 mm interval and anodizing and laser marking are done for each length.

K Unit mm Scale 1 : 1				
Code	GST 2030BL	GST 2040YE	GST 2050RD	GST 2060BL
				

Sinus Round 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 (10rpm)

K D Ø2.8 Sold separately Unit mm Scale 1 : 1				
Code	GSRD 2817	GSRD 2818	GSRD 2819	GSRD 2821
				

K D Ø3.2				
Code	GSRD 3217	GSRD 3218	GSRD 3219	GSRD 3221
				

Ø3.2 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		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	
						

Depth Gauge & Bone Condenser

- After checking the thickness of the residual bone and whether the membrane is lifted, push in the bone into the lifted sinus.
- After separating the Guide, make sure to use it attaching the Stopper.

K	Unit mm		
Code	GSDB 2619		
			

Membrane Lifter

- Single use only

K		Unit mm
Code	WML 6627	
		

Surgical Tool

Square Wrench

Unit:mm

K	Code	
		DSW 050



Saline Tube

· Syringe ※ Separately sold product

● Sold separately

Unit:mm

K	Code	
		MLT 40300

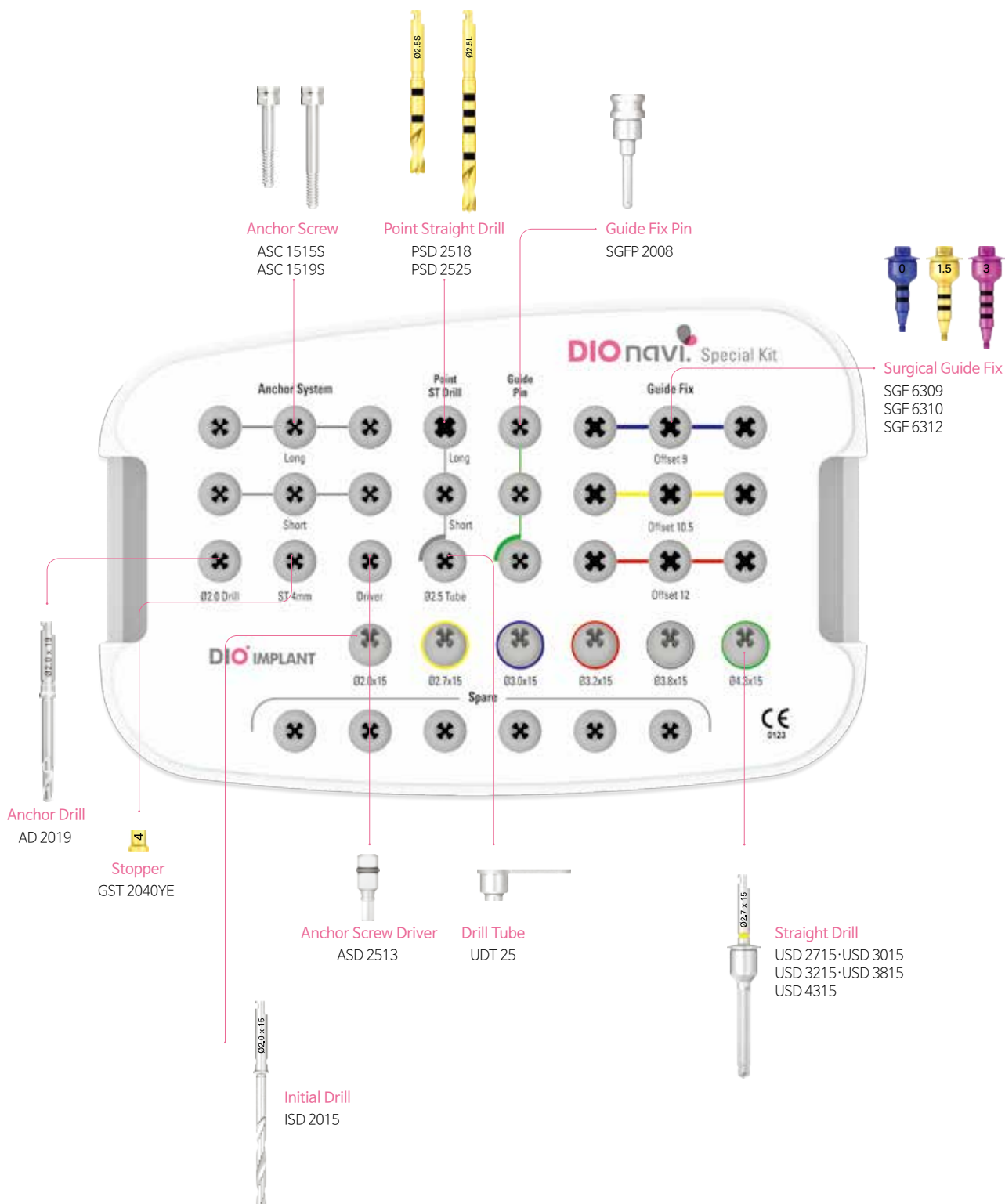


DIOnavi. Special Kit

Kit Code | SGF 02

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

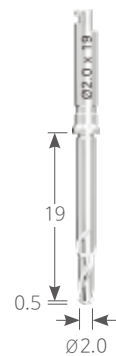
Unit mm | Drill Scale 1 : 0.9



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 Ø2.0	Unit mm Scale 1 : 1.15	
Code	AD 2019	

Stopper

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

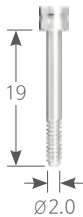
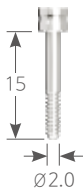


K D Ø2.9	Unit mm Scale 1 : 1.15	
Code	GST 2040YE	

Anchor Screw

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

K D Ø2.0	Unit mm Scale 1 : 1	
Code	ASC 1515S	ASC 1519S



Anchor Screw Driver

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



K	Unit mm Scale 1 : 1.15	
Code	ASD 2513	

Surgical Tool

Initial Drill



K D Ø2.0

Unit mm | Scale 1 : 1.15

Code

ISD 2015

Drill Tube



K

Unit mm | Scale 1 : 1.2

Code

UDT 25

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

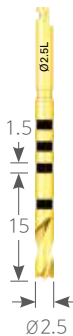
K D Ø2.5

Unit mm | Scale 1 : 1

Code

PSD 2518

PSD 2525



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

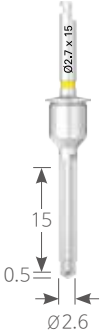
Unit mm | Scale 1 : 1.15

Code

SGFP 2008

Surgical Tool

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

- 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	

DIONavi. Drill Plate

- To increase efficiency and convenience of sterilizing drills and restoring them into the KIT set after DIONavi. Surgery
- Sterilizable material
- Size : 200×140×30(mm)
- ※ Non-medical devices



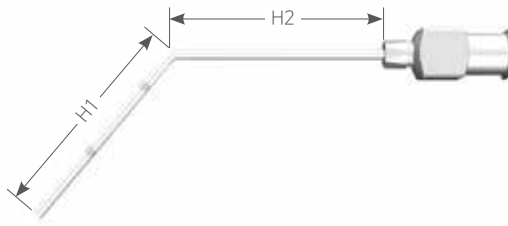
 Sold separately
Unit mm

K	Code	NP 01
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Surgical Tool

Metal Needle

- Place the Metal needle tip deep into the osteotomy site, in order to prevent any damage caused by over-heating of the bone and complete removal of remaining tissues and particles at drilled bone cavity.
- Recommended capacity of the syringe : 30~50cc (Refrigerate before surgery)



O
Place the metal needle tip deep into the osteotomy site.

X
With the needle tip not all the way down to osteotomy it is hard to irrigate

● Sold separately
Unit mm | Scale 1 : 1.15

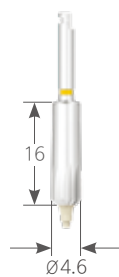
Code	MNTE	MNTL
Height 1	30	25
Height 2	50	25

Bone Profile Drill

- When connecting abutment (healing) after implant placement, It is necessary to contour the bone for proper seating of the abutments. (to contour bone to allow for a wider emergence profile restoration)
- To flatten and remove bone that has grown around or over an implant which impedes its restoration.
(When use a Abutment (with Healing Abutment))
- When abutment is completely tightened transmucosal recovery time is reduced.

● Sold separately
Unit mm | Scale 1 : 1

Type	Narrow	Regular
Code	BPD 4616GN	BPD 5608G



Surgical Tool

Surgical Guide Sleeve



Fixture Size		Narrow		Regular	Wide
Rotary Type	Single	GS 36YE	GSL 36YE	GS 53BL	GS 68GN
Rotary Type	10set	GS 36YE_10	GSL 36YE_10	GS 53BL_10	GS 68GN_10
Rotary Type	50set	GS 36YE_50	GSL 36YE_50	GS 53BL_50	GS 68GN_50
Non-Rotating	Single	GSCS 36YE	GSC 36YE	GSC 53BL	GSC 68GN
Non-Rotating	10set	GSCS 36YE_10	GSC 36YE_10	GSC 53BL_10	GSC 68GN_10
Non-Rotating	50set	GSCS 36YE_50	GSC 36YE_50	GSC 53BL_50	GSC 68GN_50

Anchor Sleeve



Type		Code
Rotary Type	Single	ASC 20
Rotary Type	10set	ASC 20_10
Rotary Type	50set	ASC 20_50

Sleeve Assembly Jig / Cutter



Fixture Size		Narrow	Regular	Wide
Sleeve Assembly Jig	Rotary Type	GSJN	GSJR	GSJW
Sleeve Assembly Jig	Rotary Type	GSJCN	GSJCR	GSJCW
	Cutter	GPCN	GPCR	GPCW

Instrument Kits

Sinus Master Kit

Kit Code | SMK 01

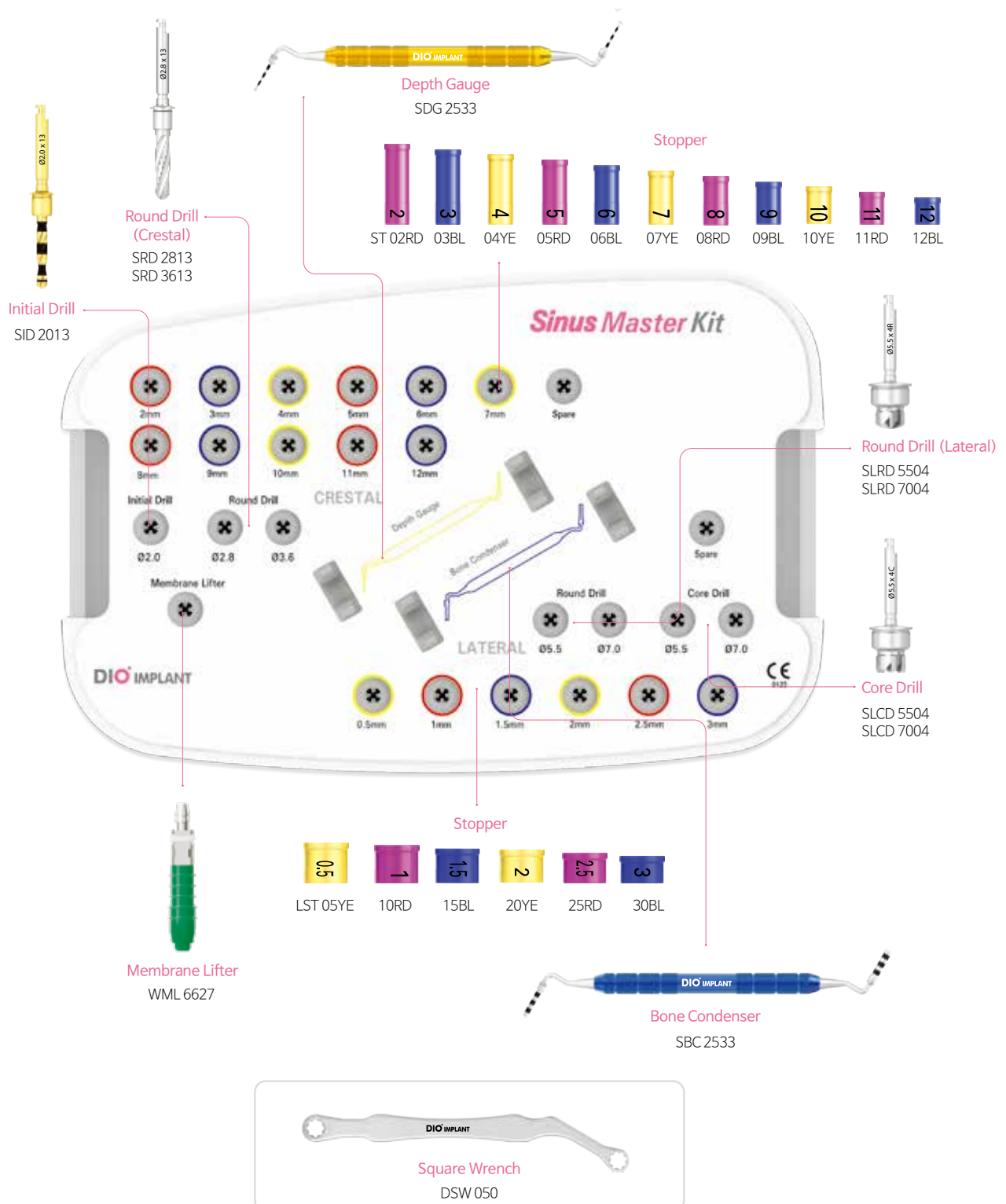
· Crestal Approach Technic

Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane.

· Lateral Approach Technic

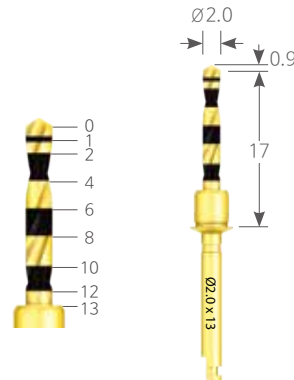
Round drill or core drill can be selected. The membrane can be lifted and based on low-speed drilling (50~100rpm) and stopper.

Unit mm | Drill Scale 1 : 0.9



Surgical Tool Crestal

Ø2.0 Intial Drill



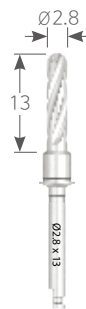
K D Ø2.0

Unit mm | Scale 1:1.2

Code

SID 2013

Round Drill



K Length 13

Unit mm | Scale 1:1.2

Code

SRD 2813

SRD 3613

Stopper

· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K

Unit mm | Scale 1:1

Code	ST 02RD	03BL	04YE	05RD	06BL	07YE	08RD	09BL	10YE	11RD	12BL
------	---------	------	------	------	------	------	------	------	------	------	------



Drilling Length	2	3	4	5	6	7	8	9	10	11	12
Stopper Length	15	14	13	12	11	10	9	8	7	6	5

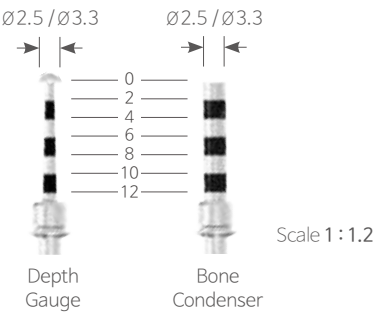
Surgical Tool Crestal

Membrane Lifter

· Single use only



K	Unit mm Scale 1 : 1.2
Code	WML 6627



Depth Gauge

K	Unit mm
Code	SDG 2533



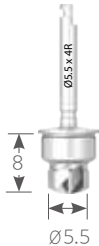
Bone Condenser

K	Unit mm
Code	SBC 2533

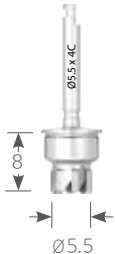


Surgical Tool Lateral

Round Drill

K		Unit mm Scale 1 : 1	
Code	SLRD 5504	SLRD 7004	
			

Core Drill

K		Unit mm Scale 1 : 1	
Code	SLCD 5504	SLCD 7004	
			

Stopper

· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K		Unit mm Scale 1 : 1				
Code	LST 05YE	10RD	15BL	20YE	25RD	30BL
						
Drilling Length	0.5	1	2	1.5	2.5	3
Stopper Length	7.5	7	6	6.5	5.5	5

Surgical Protocol

Lateral Approach Technic

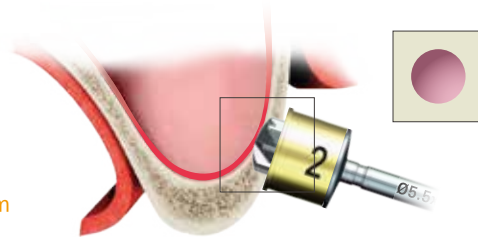
- Round drill or core drill can be selected. The membrane can be lifted and based on low-speed drilling (50~100rpm) and stopper.

Drilling Round Drill

Rounded tip to perform drilling

Caution

The stopper must be used. Irrigation at 1,200~1,400rpm

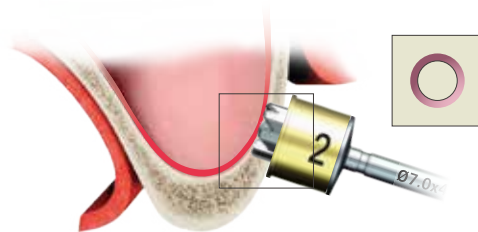


Drilling Core Drill

The edge of the rounded tip only can perform drilling
Beware of the remaining bone chips returning to original position after lifting of the maxillary sinus.

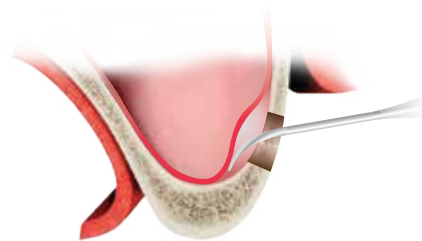
Caution

The stopper must be used. Irrigation at 600~800rpm



Lifting of the sinus membrane Sinus Lift

Lifting of the membrane on the lateral side



Crestal Approach Technic

- Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane.

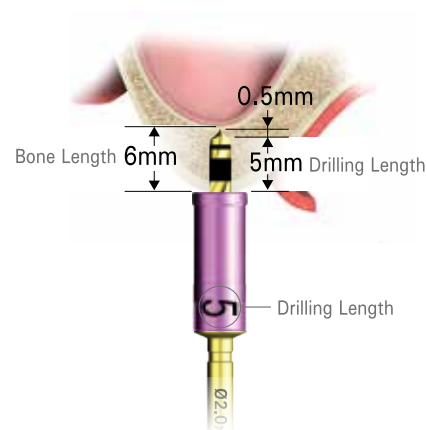
Drilling Initial Drill

Drilling is done 1~2mm short from the floor of the maxillary sinus measured by CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.

Non-irritation and low-speed drilling at 50rpm



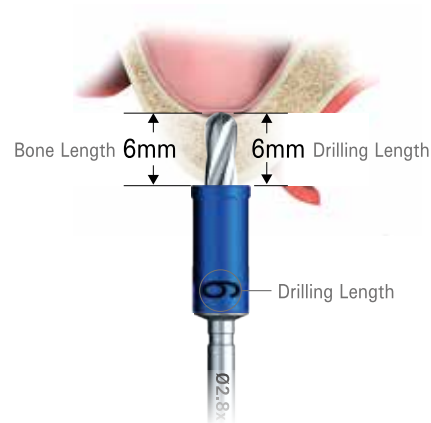
Sinus drill to perforate the bone underneath the maxillary sinus

Drilling is done to the same length as height of the residual bone of the maxillary sinus measured on CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.

Non-irritation and low-speed drilling at 50rpm



Membrane lifter to lift the sinus membrane

The membrane lifter is used to inject saline solution into the osteotomy site.

Caution

Amount of injection measurement starts when pressure is felt, excluding the first 0.2cc~0.5cc before pressure is applied.

※ Amount of injection before pressure can differ according to height and expansion of the bone. For 1mm of sinus lifted, 0.1cc is injected.

Caution

If inferior border (A) of the maxillary sinus is well open

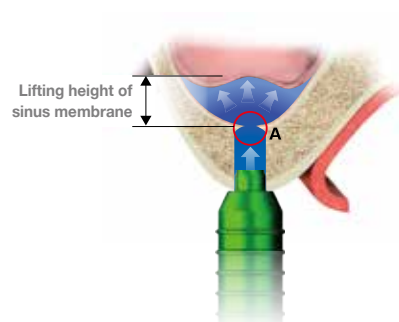
If pressure can be felt during injection of saline solution, the membrane is lifted and the pressure drops and saline solution injected.

If inferior border (A) of the maxillary sinus is not open well

After pressure felt from injection of saline solution, no more pressure can be applied or the nozzle is pushed out.
→ Drill the sinus drill 1mm deeper and retry.

Aspiration of saline solution with the nozzle kept in the hole

If negative pressure results after aspiration of injected saline solution mixed with blood, the membrane is fully lifted.

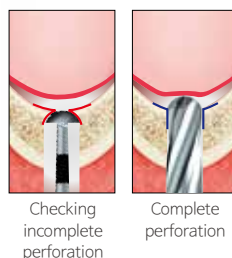


Surgical Protocol

Sinus drill (2nd) to open and expand inferior border of the maxillary sinus.

After lifting the maxillary sinus membrane, the sinus drill is used to drilled 1mm deeper to expand the entrance of inferior border of the maxillary sinus.

Caution The stopper must be used to adjust depth.



Bone condenser to inject bone graft material

The bone condenser is used to push bone graft material into the maxillary sinus through the osteotomy site.

Caution

The stopper must be used to adjust depth.

Non-irrigation, low-speed drilling at 50rpm.

Caution

Determine volume of bone graft material.

When pressure is felt during injection of saline solution, the membrane is lifted.

Lifting height of the sinus membrane (mm)		1	2	3	4	5	6	7	8	9	10
Bone graft GBR (cc)	If implant is placed	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	If implant is not placed	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0



Dispersion of bone graft material

Insert a depth gauge into the maxillary sinus and rotate it to evenly disperse bone graft material.

Final Drilling Final Drill

Drill 2mm deeper than depth of the sinus drill used earlier.

Caution Use a drill shorter than implant.



Placement of Implant

Implant that enters into the maxillary sinus pushes bone graft material away to disperse it. If amount of residual bone is 4mm or larger, satisfactory initial fixing force can be obtained. Also, temporary prosthesis can be restored immediately upon placement of implant.

Caution

If remaining bone is very thin with thickness of 3mm or less and initial fixing of implant fails, only bone graft on the maxillary sinus is performed without implant placement.

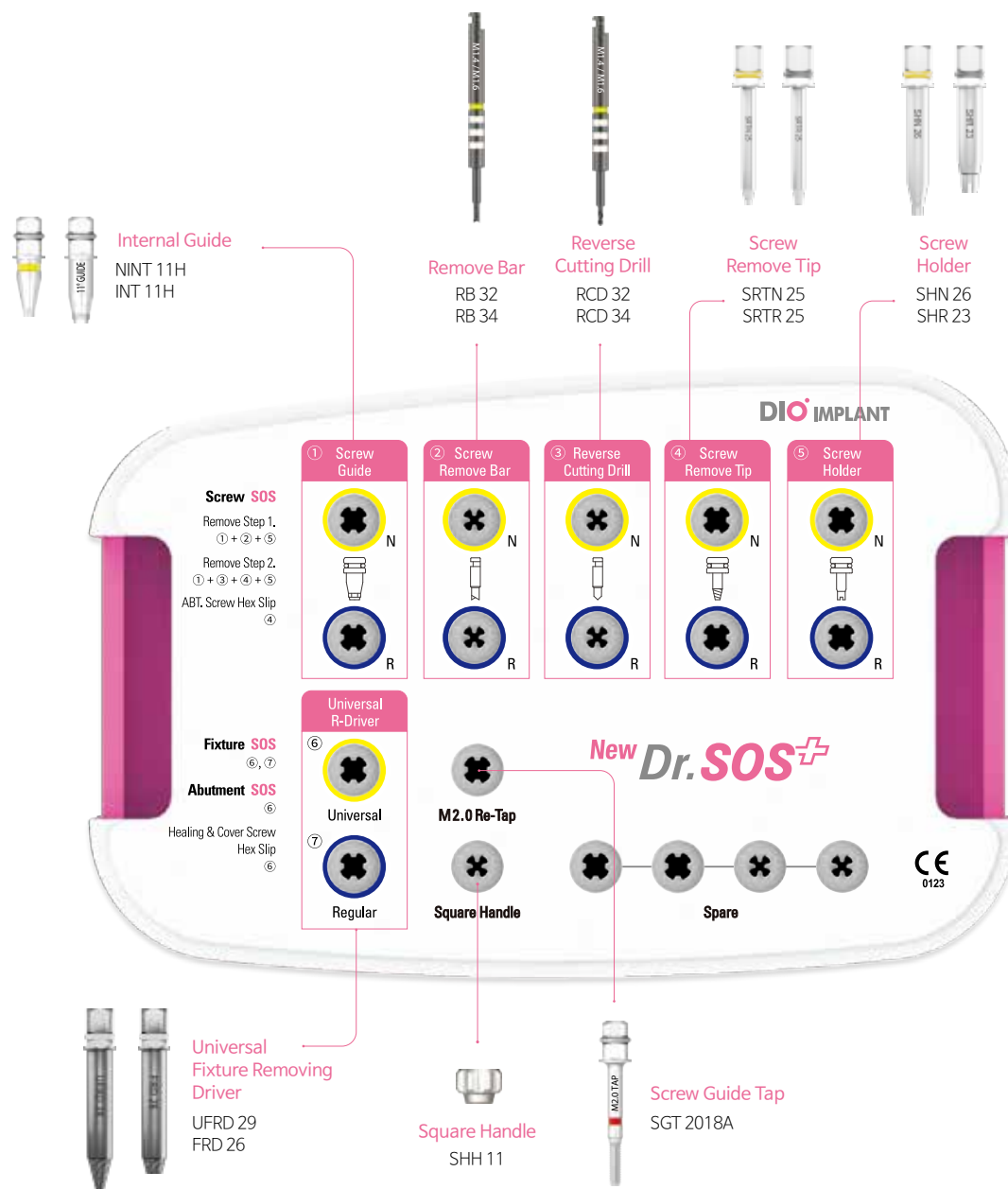


New Dr.SOS+ Kit

Kit Code | DRS 05

- Problems like fracture of screw from excessive torque, wearing of connections, and jamming of foreign matters during prosthetic part of implant installation are resolved.

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Internal Guide

·Guide for accurate entry of the Remove Bar and Reverse Cutting Drill into the fixture

● Sold separately

Unit mm | Scale 1 : 1

K Sub. Narrow		
Code	NINT 11H	NINT 11N
Type	 Hex	 Non-Hex
K Sub. Regular / Wide		
Code	INT 11H	INT 11N
Type	 Hex	 Non-Hex
K Non-Sub. 8°		
Code	INT 8Octa	INT 8N
Type	 Octa	 Non-Octa

External Guide

● Sold separately

Unit mm | Scale 1 : 1

K Hex				Unit mm Scale 1 : 1		
Code	EXT 24		EXT 27		EXT 34	
						
						
2.4						
						
						
2.7						
						
						
3.4						

Reverse Cutting Drill

· Used to remove fractured abutment screws
by inserting the drill to the fixture and turning anti-clockwise.

※ 1,200rpm / in reverse

※ One-time use recommended

※ Irrigation is required to prevent excessive heating



K			Unit mm Scale 1 : 1	
Code	RCD 32	RCD 34		
				
Type	M1.4 / 1.6	M2.0 / 2.5		

Remove Bar

· Used to remove fractured abutment screws
by attaching the bar's blade end with the residual surface and turning anti-clockwise.

※ 20rpm / in reverse



K			Unit mm Scale 1 : 1	
Code	RB 32	RB 34		
				
Type	M1.4 / 1.6	M2.0 / 2.5		

Surgical Tool

Screw Remove Tip

- Place Screw Remove Tip with Guide connected, pick up screw and remove
- ※ Hand Mode



K	Unit mm Scale 1 : 1	
	Code	SRTN 25 SRTN 25
		 

Screw Holder

- Pick up with Screw Holder and remove
- ※ Hand Mode



K	Unit mm Scale 1 : 1	
	Code	SHN 26 SHR 23
		 

Universal Fixture Removing Driver

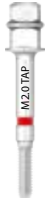
- Single Driver to Solve All Types of SOS Cases
- ※ Reverse

K Unit mm Scale 1 : 1		
Code	UFRD 29	FRD 26
		

Screw Guide Tap

- Repairs a stripped screw hole when stuck with foreign substance or damaged by forced entry
- Connect the head with Square Handle, and turn clockwise by hand
- ※ Hand Mode



K ● Sold separately Unit mm Scale 1 : 1				
Code	SGT 1418A	SGT 1618A	SGT 2018A	SGT 2518A
				
	Ø1.4	Ø1.6	Ø2.0	Ø2.5
Color	●	●	●	●

Trephine Drill

- Trephine Drill may be used to collect autogenous bone or to remove a damaged implant.
- It is especially useful in case of removing fixtures from very hard bones or bones where osseointegration is completed. User may remove about 2–3 mm of cortical bones using Trephine Drill and follow with Universal Driver to remove the implant.



Scale 1 : 1.15

● Sold separately
Unit mm | Scale 1 : 1

K							
Type	Narrow						
Fixture Size	Ø3.0			Ø3.3			
Code	TRD 4032			TRD 4537			
Diameter 1	Ø3.2			Ø3.7			
Diameter 2	Ø4.0			Ø4.5			

K							
Type	Regular · Wide						
Fixture Size	Ø3.8	Ø4.0	Ø4.5	Ø5.0	Ø5.5	Ø5.9	Ø6.4
Code	TRD 4840	TRD 5143	TRD 5547	TRD 5850	TRD 6355	TRD 7062	TRD 7567
Diameter 1	Ø4.0	Ø4.3	Ø4.7	Ø5.0	Ø5.5	Ø6.2	Ø6.7
Diameter 2	Ø4.8	Ø5.1	Ø5.5	Ø5.8	Ø6.3	Ø7.0	Ø7.5

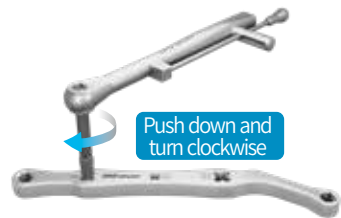
Square Handle

K	
Code	SHH 11



Square Wrench

- Insert the fixture in the X-shaped hole on the Square Wrench.
- Push down and turn clockwise to separate the Universal Driver.



K	
Code	SSW 050



※ This catalog contains all products of DIO Corporation.

Please check with your local sales office and your sales representative if you are able to order products.



Manufacturer

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