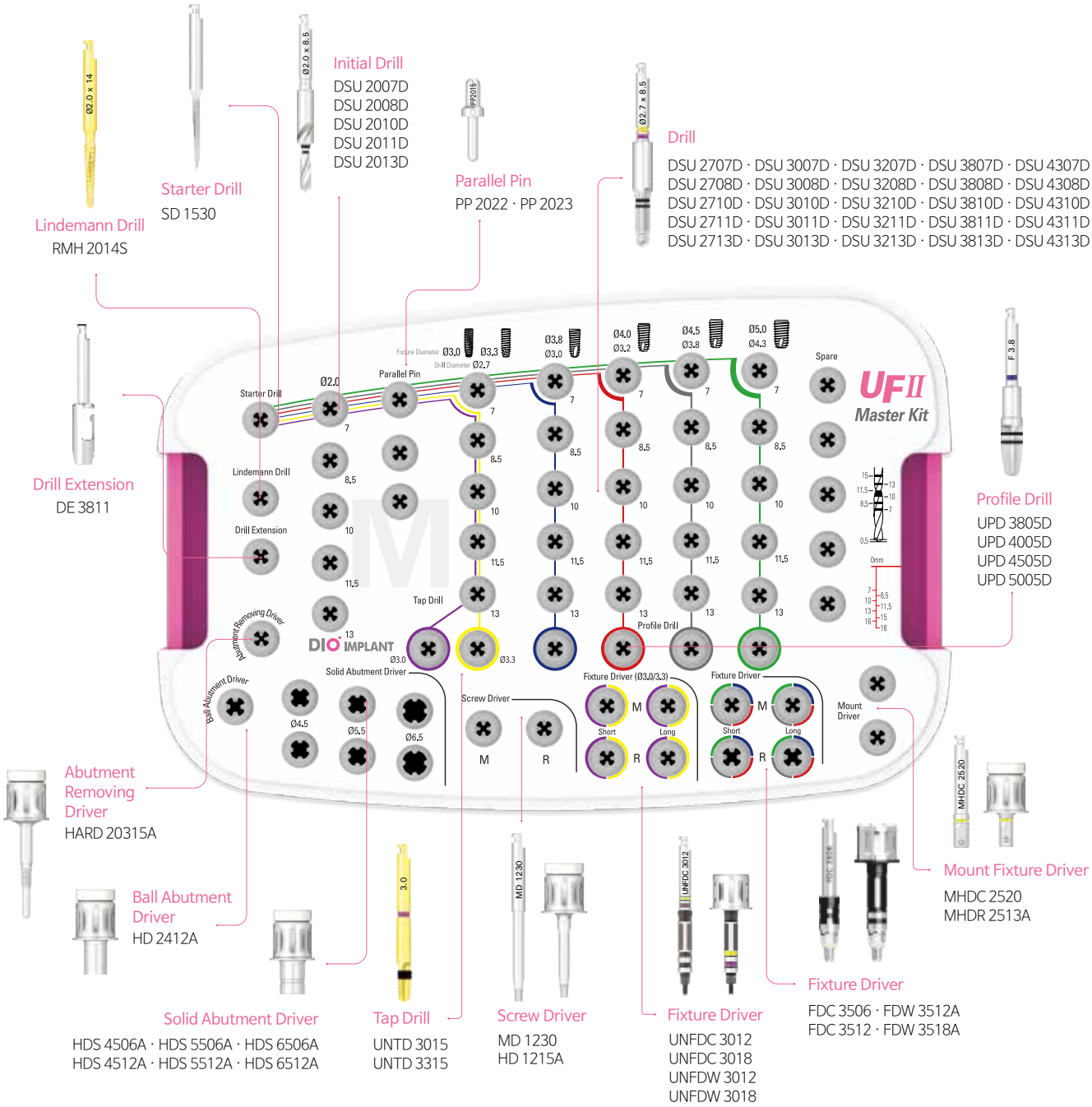
UFⅡ Master Kit

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 I Drill Scale 1 : 0.9



Torque Wrench
DTW 0060

Open Wrench
OW 004

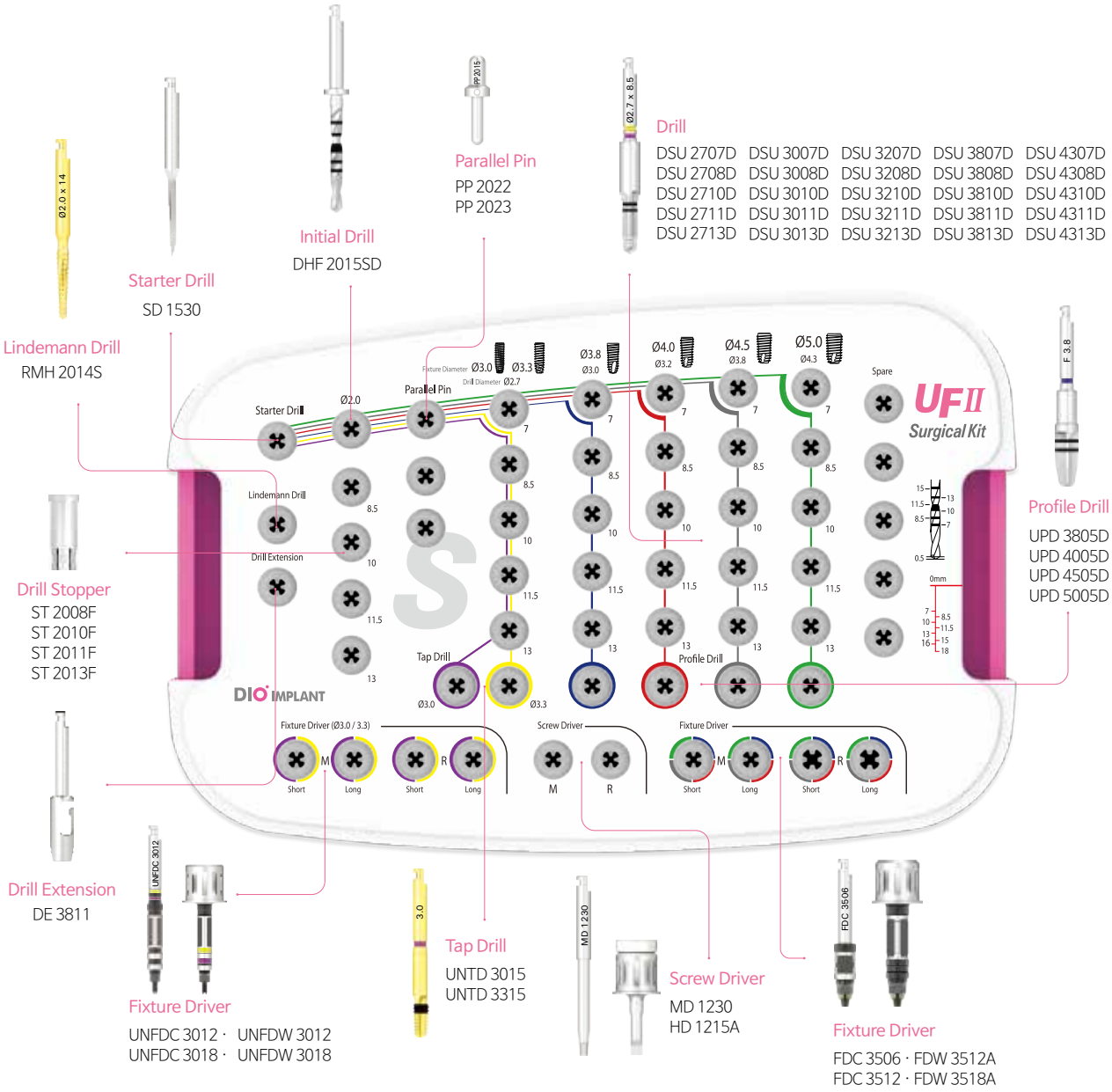
Depth Gauge
DPG 2050

UFII Surgical Kit

Kit Code I UF 07

· 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 Ø5.5 Fixture

Unit mm I Drill Scale 1 : 0.9



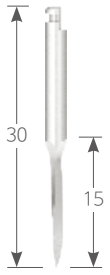
Torque Wrench
DTW 0060

Open Wrench
OW 004

Depth Gauge
DPG 2050

Surgical Tool

Starter Drill



Unit mm I Scale 1 : 1.15

K

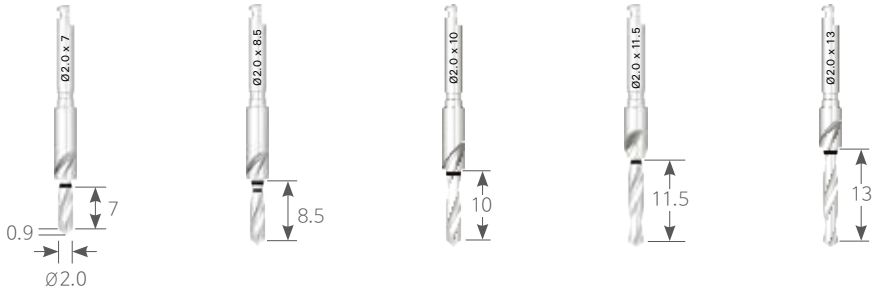
Code	SD **1530**

Initial Drill

K **D Ø2.0** · Only use UFⅡ Master Kit

Unit mm I Scale 1 : 1

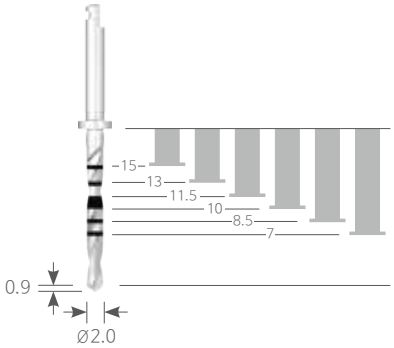
Code	DSU **2007D**	DSU **2008D**	DSU **2010D**	DSU **2011D**	DSU **2013D**



K **D Ø2.0** · Only use UFⅡ Surgical Kit

Unit mm I Scale 1 : 1.2

Code	DHF **2015SD**



Drill stopper

● Sold separately

K **D Ø2.0** · Only use UFⅡ Surgical Kit

Unit mm I Scale 1 : 1

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

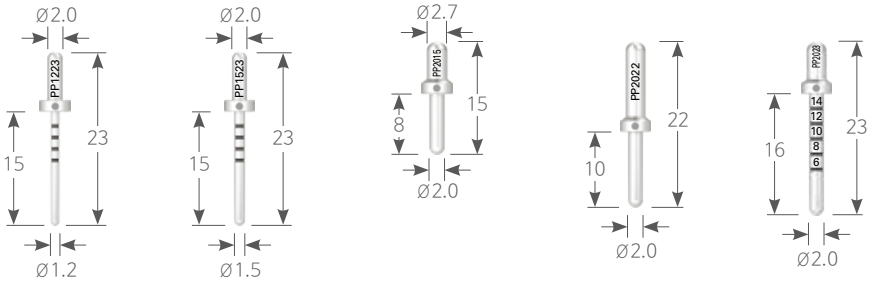
Parallel Pin

● Sold separately

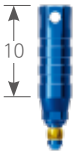
K

Unit mm I Scale 1 : 1

Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023



Path Pin



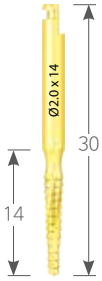
● Sold separately

K

Unit mm I Scale 1 : 1.2

Code	DPP 3512

Lindemann Drill



K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	RMH 2014S

Positioning Guide

● Sold separately

K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	PG 0060

Angled Path Pin

● Sold separately

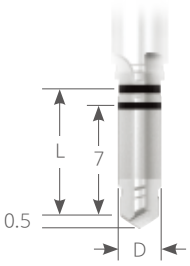
K

Unit mm I Scale 1 : 1.15

Code	DAP 4515A	DAP 4515B
Type	Hex A	Hex B

Surgical Tool

Drill



	Ø2.6	Ø2.9	Ø3.1	Ø3.7	Ø4.2
Color					

Scale 1 : 1.15

● Sold separately

K D Ø2.6

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 I 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 I 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 I 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

● Sold separately

K

Unit mm I 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**

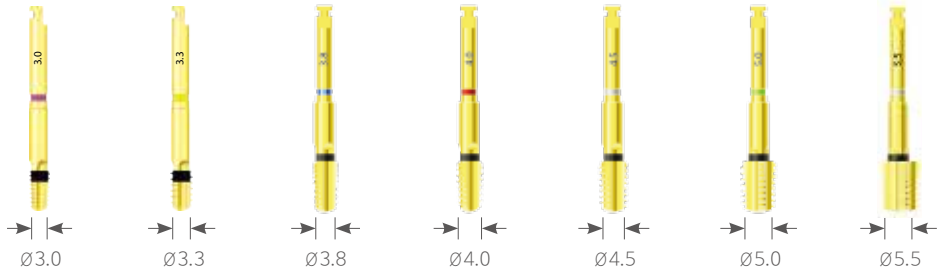
Color

Tap Drill

K

Unit mm I 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**



Color

Drill Extension

K

Unit mm I Scale 1 : 1.2

Code	DE **3811**

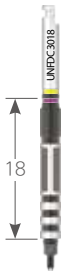
Fixture Driver Narrow

● Sold separately

K Machine

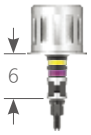
Unit mm I Scale 1 : 1

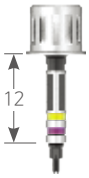
Code	UNFDC 3006	UNFDC 3012	UNFDC 3018

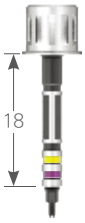


K Ratchet

Code	UNFDW 3006	UNFDW 3012	UNFDW 3018







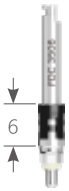
Fixture Driver Regular / Wide

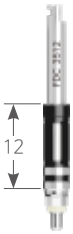
● Sold separately

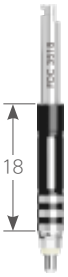
K Machine

Unit mm I Scale 1 : 1

Code	FDC 3506	FDC 3512	FDC 3518

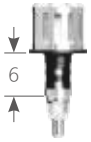


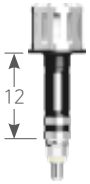


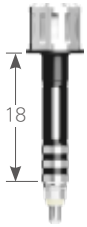


K Ratchet

Code	FDW 3506A	FDW 3512A	FDW 3518A







Surgical Tool

Screw Driver Machine

● Sold separately

Unit mm | Scale 1 : 1

K Slot 0.5

Code	MD 0522	MD 0530

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

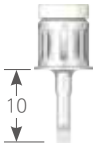
Screw Driver Ratchet

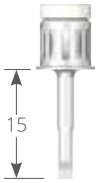
● Sold separately

Unit mm I Scale 1 : 1

K Slot 0.5

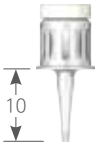
Code	HD 0510A	HD 0515A

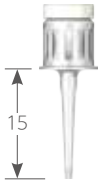


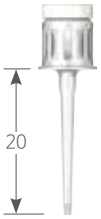


K Hex 0.9

Code	HD 0910A	HD 0915A	HD 0920A

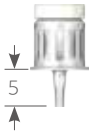


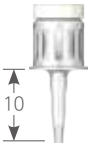


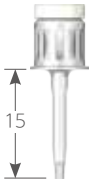


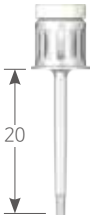
K Hex 1.2

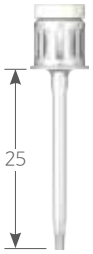
Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A

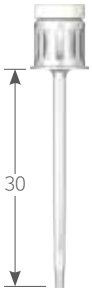






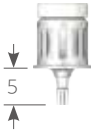


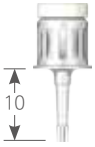


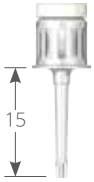


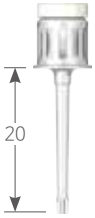
K Torx 1.7

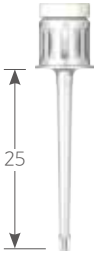
Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A











Surgical Tool

Fixture Mount Driver

· Only use UF II Master Kit

K Hex **2.5**

Unit mm I Scale 1 : 1

Type	Machine		Ratchet	
Code	MHDC **2520**	MHDC **2525**	MHDR **2513A**	MHDR **2518A**

Solid Abutment Driver

· Only use UF II Master Kit

K

Unit mm I 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

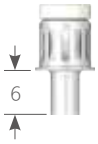
· Only use UF II Master Kit

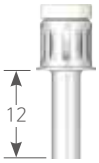
● Sold separately

K

Unit mm I Scale 1 : 1

Code	HD **2406A**	HD **2412A**





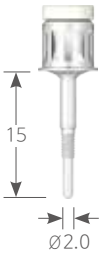
Abutment Removing Driver

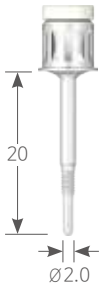
· Only use UF II Master Kit

K

Unit mm I Scale 1 : 1

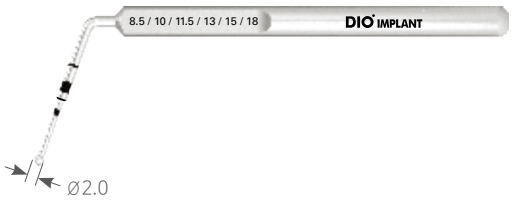
Code	HARD **20315A**	HARD **20320A**





Surgical Tool

Depth Gauge



K **D Ø2.0**

Unit mm I 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 I Scale 1 : 1

Code	OW **004**

Torque Wrench

K

Unit mm I Scale 1 : 1

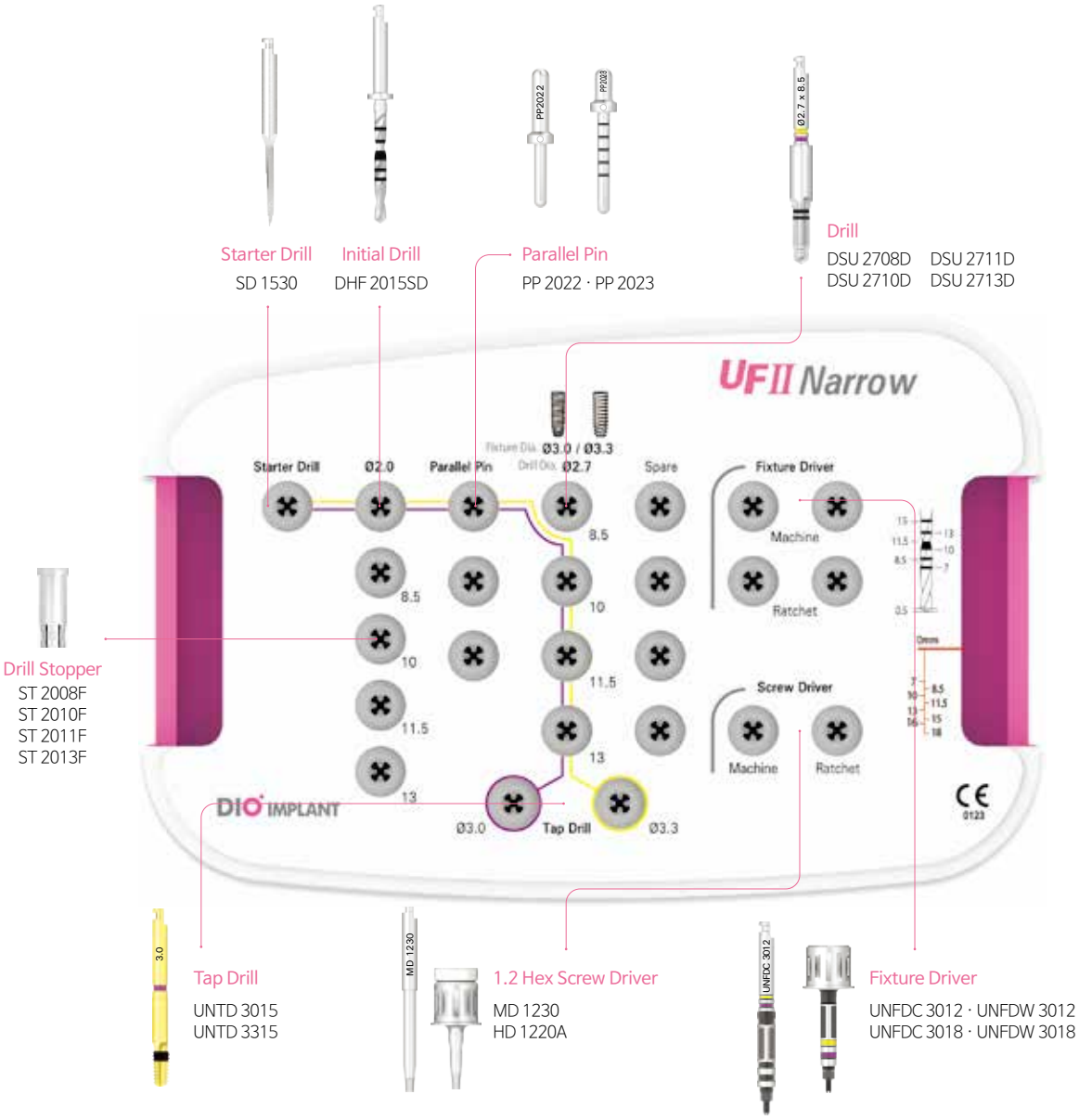
Code	DTW **0060**

UFII Narrow Kit

Kit Code I UF 08

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

Unit mm I Drill Scale 1 : 0.9

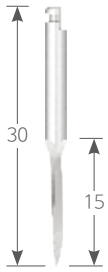


Depth Gauge
DPG 2050

Torque Wrench
DTW 0060

Surgical Tool

Starter Drill

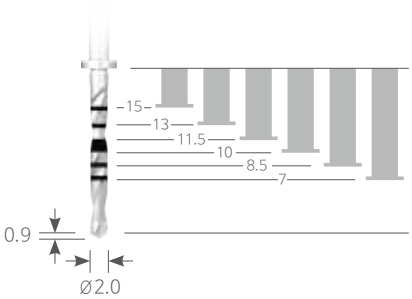


K

Unit mm I Scale 1 : 1.2

Code	SD **1530**

Initial Drill



K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	DHF **2015SD**

Drill stopper

K **D Ø2.0**

Unit mm I Scale 1 : 1

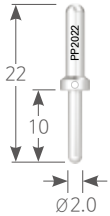
Code	ST **2015F**	ST **2013F**	ST **2011F**	ST **2010F**	ST **2008F**

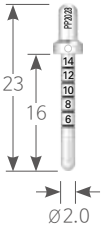
Parallel Pin

K **D Ø2.0**

Unit mm I Scale 1 : 1

Code	PP **2022**	PP **2023**





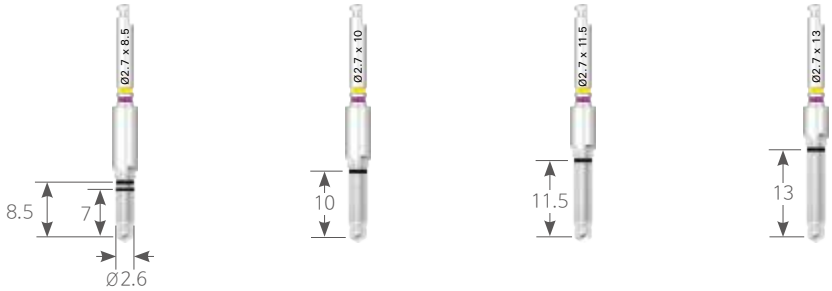
Surgical Tool

Drill

K **D Ø2.6**

Unit mm I Scale 1 : 1

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



Tap Drill

K

Unit mm I Scale 1 : 1

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

Fixture Driver

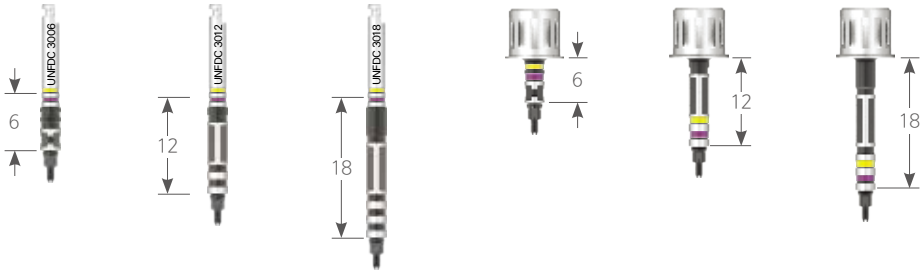
· Maximum Tightening Torque : 50Ncm

● Sold separately

K

Unit mm I Scale 1 : 1

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

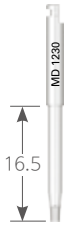


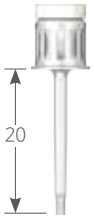
Screw Driver

K Hex 1.2

Unit mm I Scale 1 : 1

Type	Machine	Ratchet
Code	MD **1230**	HD **1220A**





Solid Abutment Driver

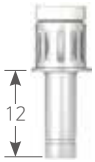
· Only use UFII Narrow Kit

● Sold separately

K **D Ø4.0**

Unit mm I Scale 1 : 1

Length	6	12
Code	UNHDS **4006A**	UNHDS **4012A**

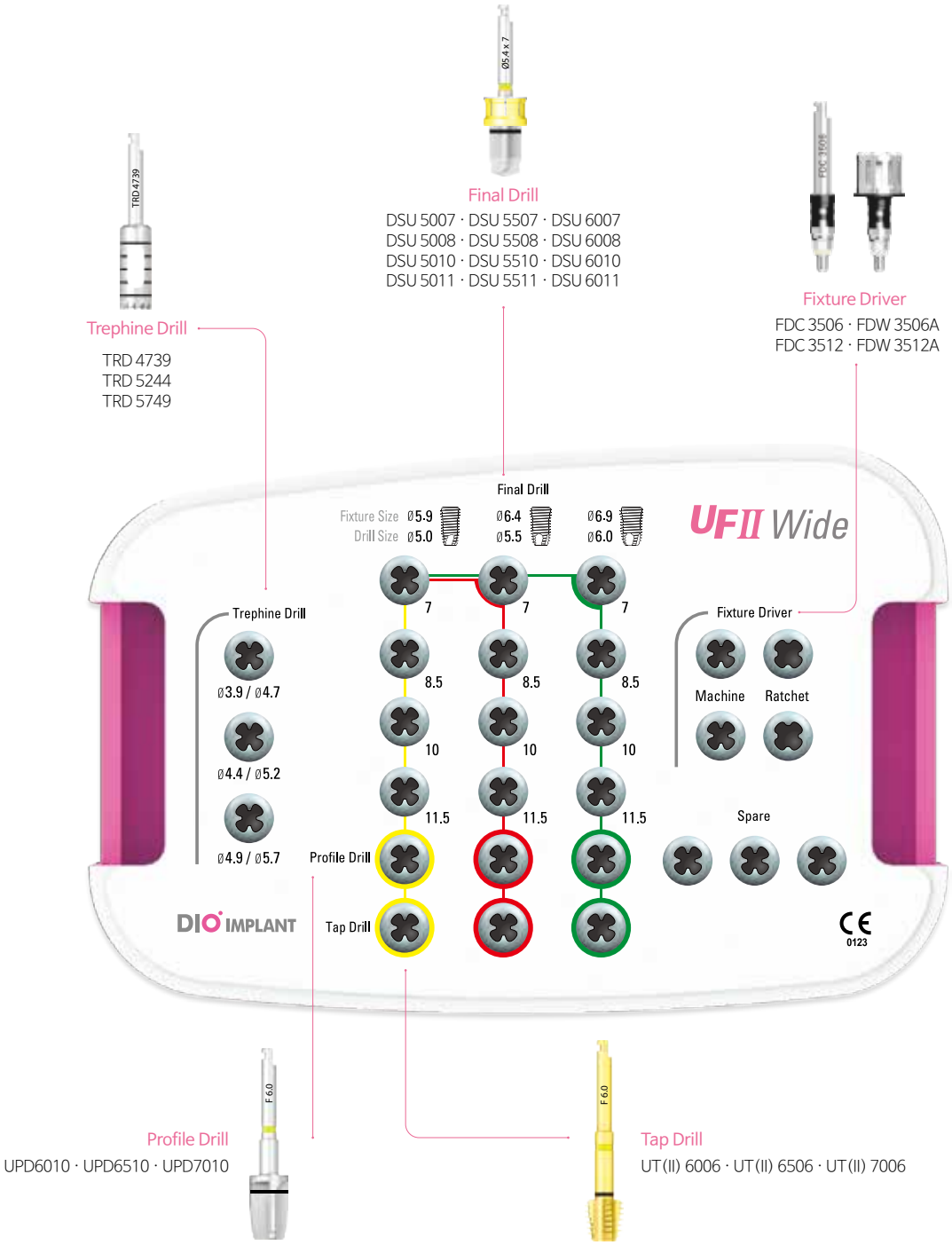


UFII Wide Kit

Kit Code I UF 09

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF II Wide Ø5.9 Ø6.4 Ø6.9 Fixture

Unit mm I Drill Scale 1 : 0.9



Surgical Tool

Trephine Drill

Scale 1 : 1.15

K

Unit mm I Scale 1 : 1

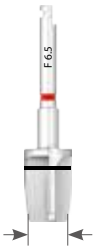
Code	TRD **4739**	TRD **5244**	TRD **5749**
			
Diameter 1	Ø3.9	Ø4.4	Ø4.9
Diameter 2	Ø4.7	Ø5.2	Ø5.7

Profile Drill

Scale 1 : 1.15

K

Unit mm I Scale 1 : 1

Fixture Size	Ø**5.9**	Ø**6.4**	Ø**6.9**
Code	UPD **6010**	UPD **6510**	UPD **7010**
	 Ø5.9	 Ø6.4	 Ø6.9
Color	●	●	●

Surgical Tool

Final Drill

Scale 1 : 1.15

	Ø4.9	Ø5.4	Ø5.9
Color			
Stopper	ST 5504	ST 6004	ST 6504

● Sold separately

K D Ø4.9

Unit mm I 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 Ø5.4

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

K D Ø5.9

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 I Scale 1 : 1

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

Color

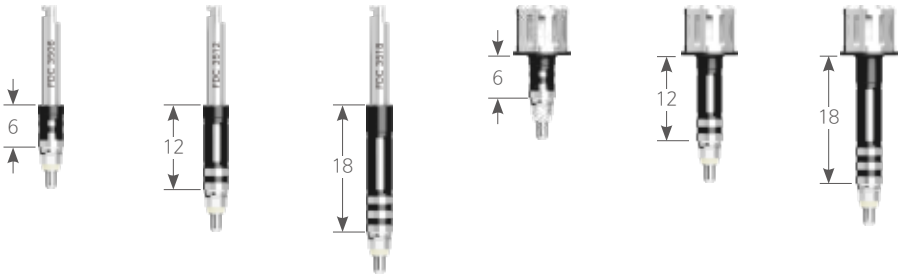
Fixture Driver

● Sold separately

K **D Ø3.6**

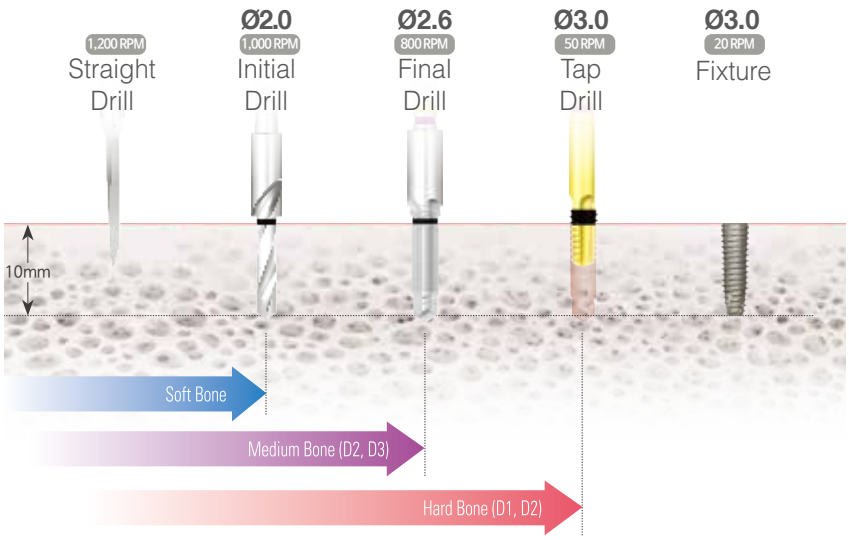
Unit mm I Scale 1 : 1

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

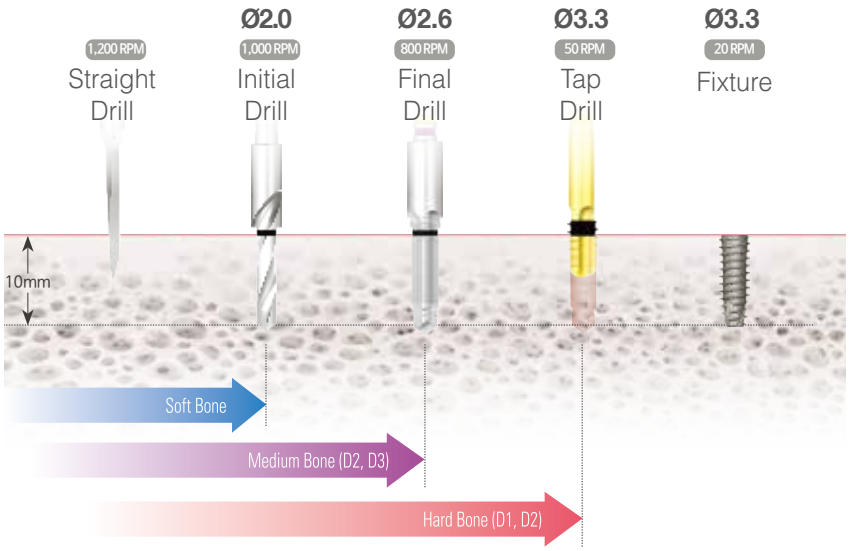


UF II Surgical Protocol

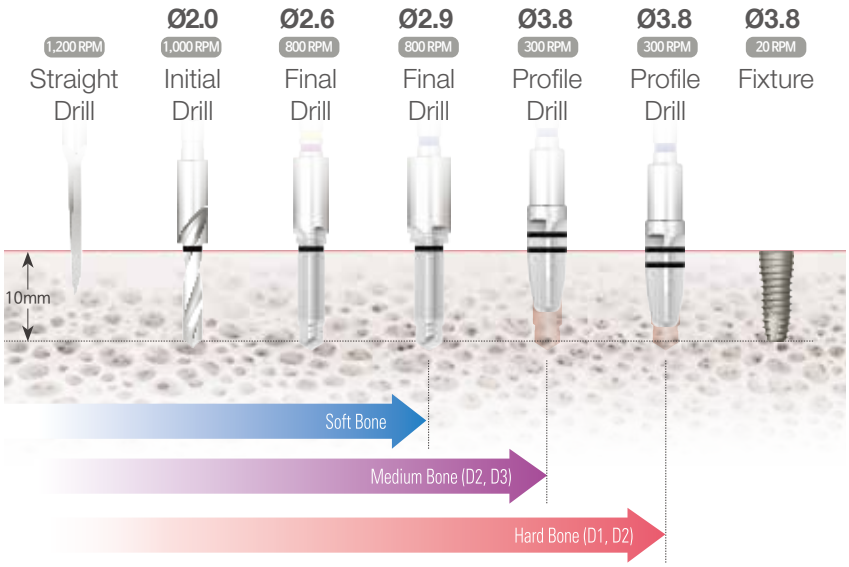
Ø3.0 Fixture



Ø3.3 Fixture

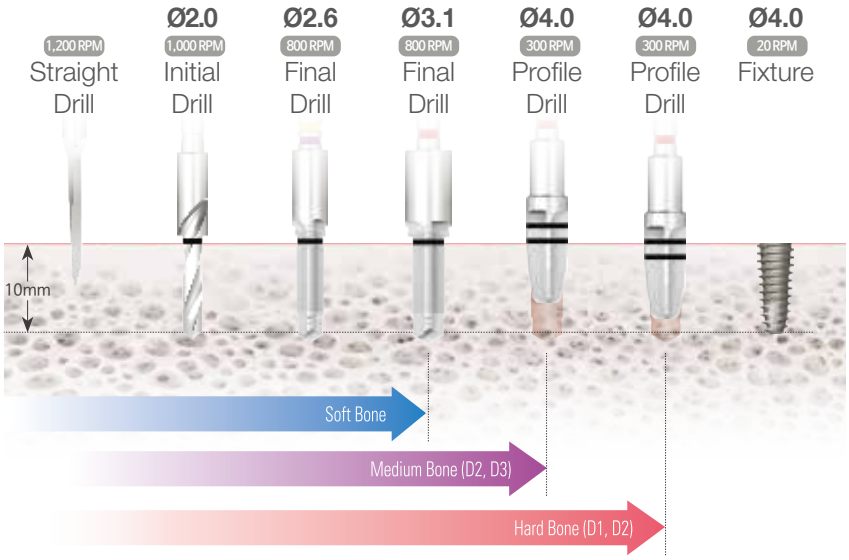


Ø3.8 Fixture

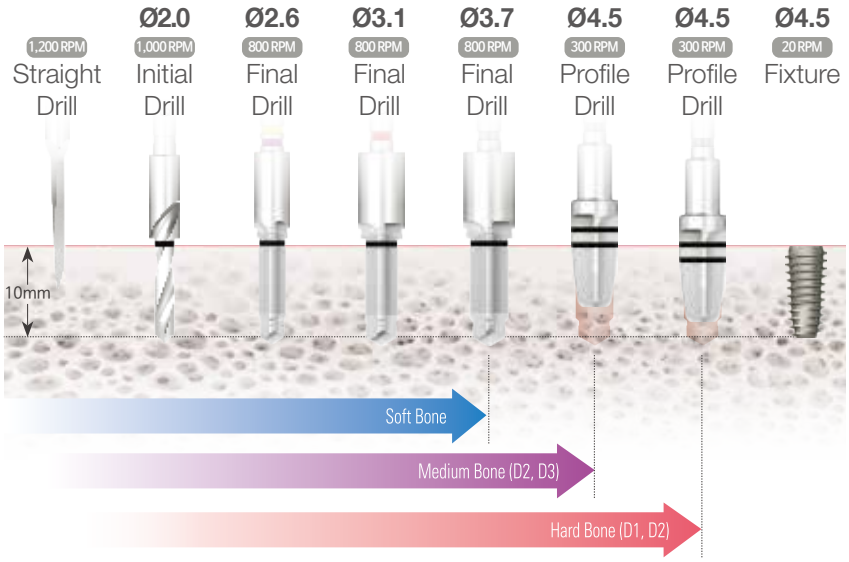


UF II Surgical Protocol

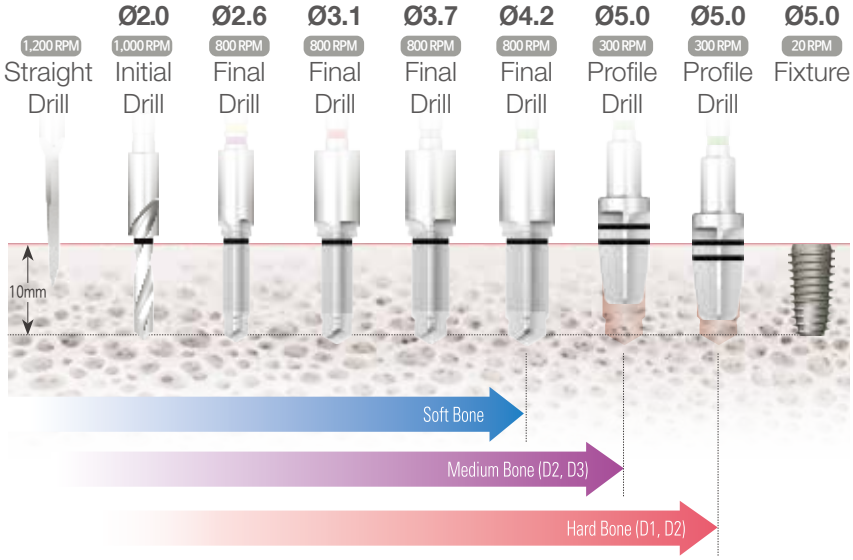
Ø4.0 Fixture



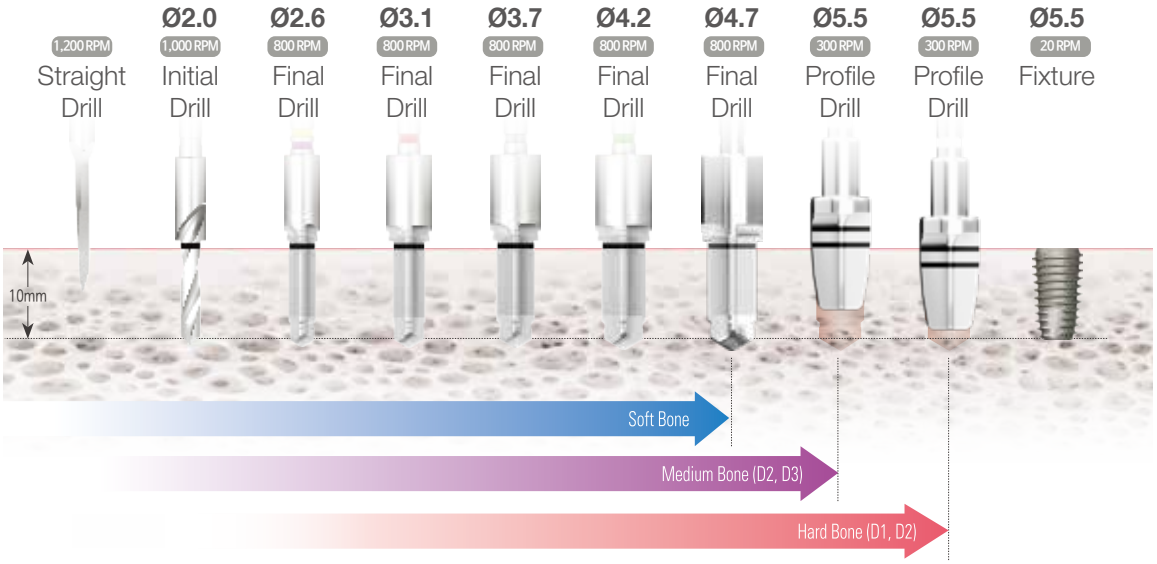
Ø4.5 Fixture



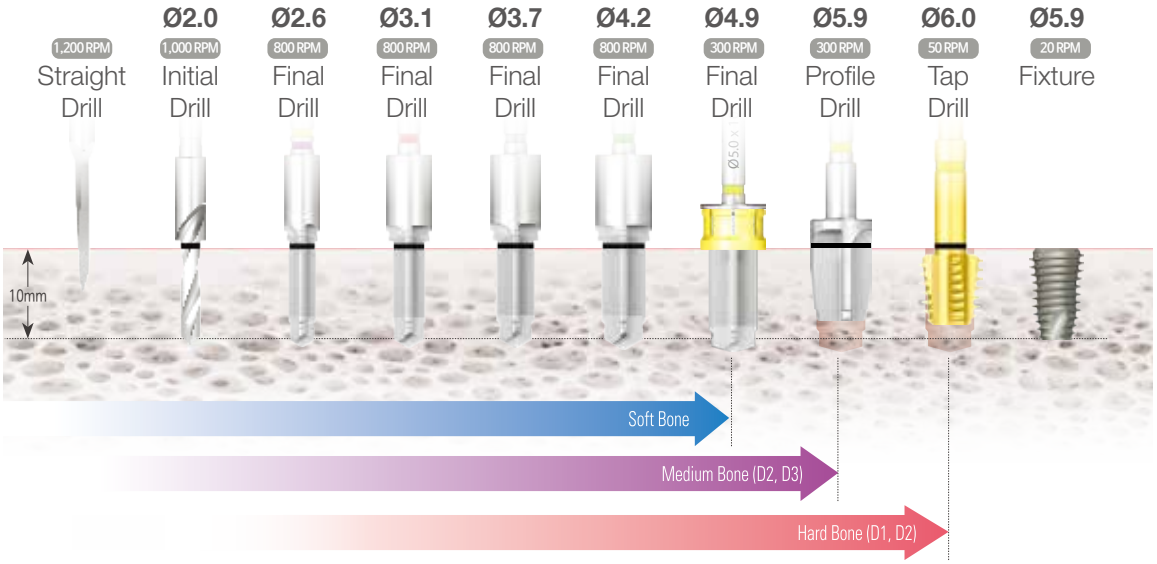
Ø5.0 Fixture



Ø5.5 Fixture

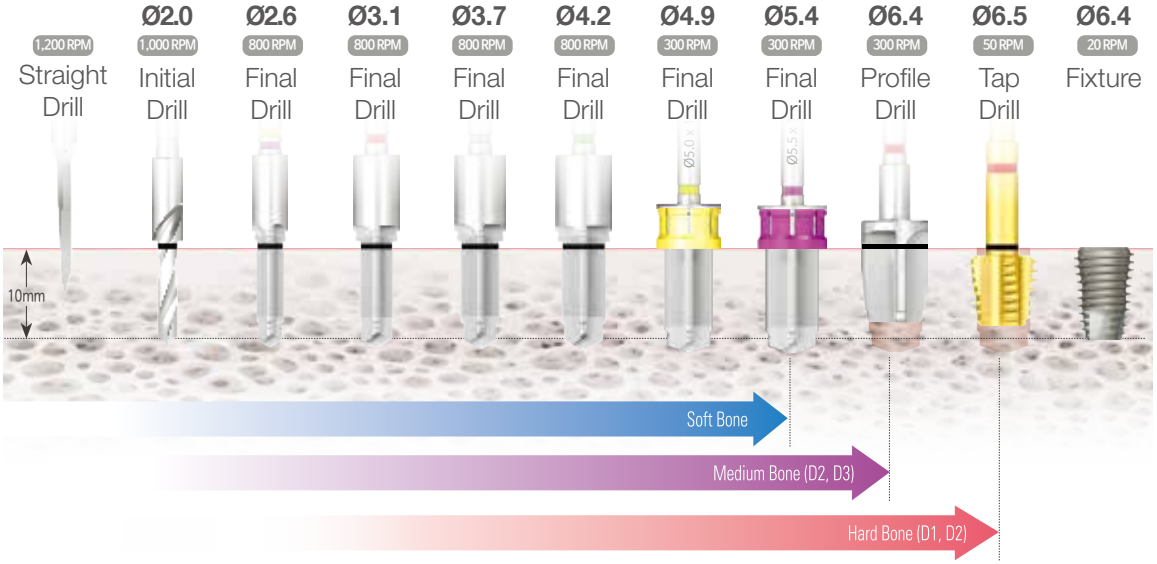


Ø5.9 Fixture

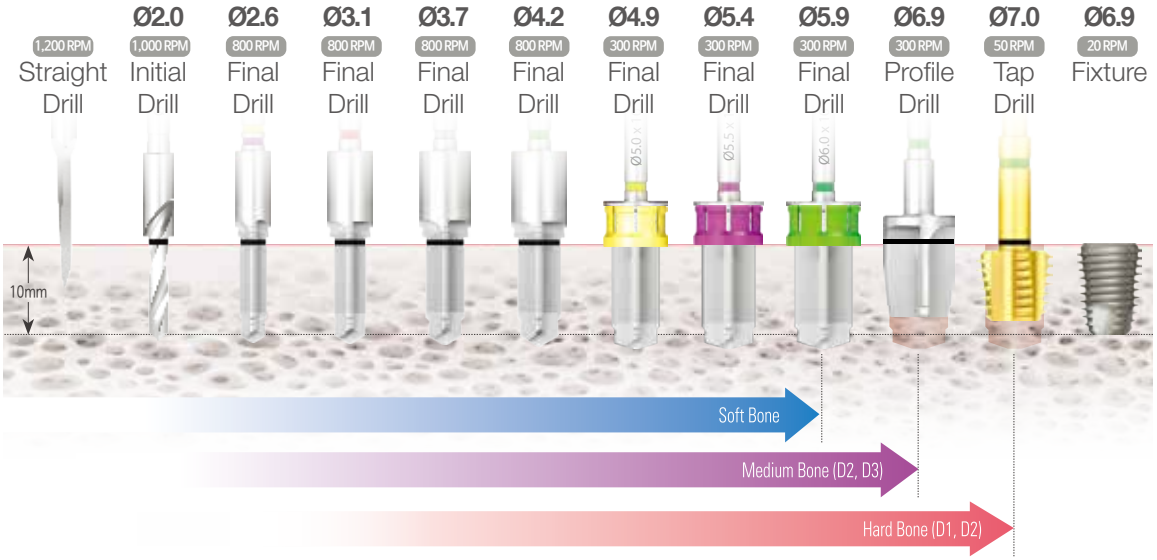


UF II Surgical Protocol

Ø6.4 Fixture

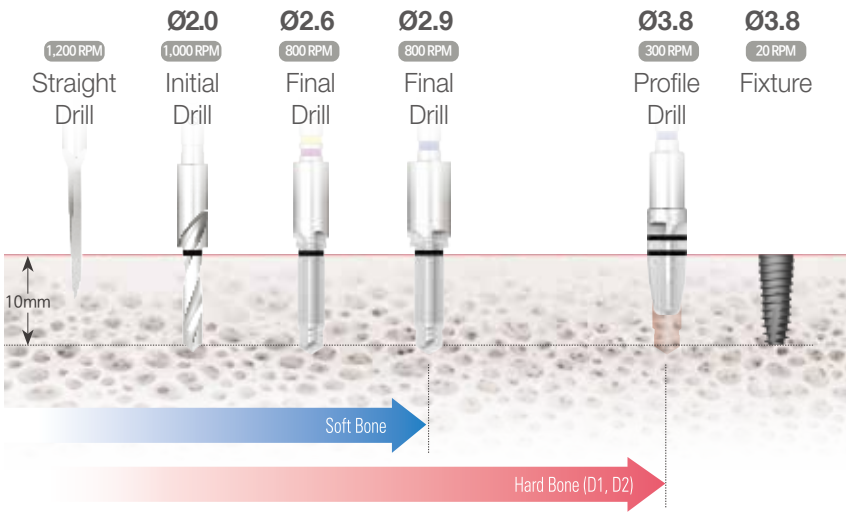


Ø6.9 Fixture

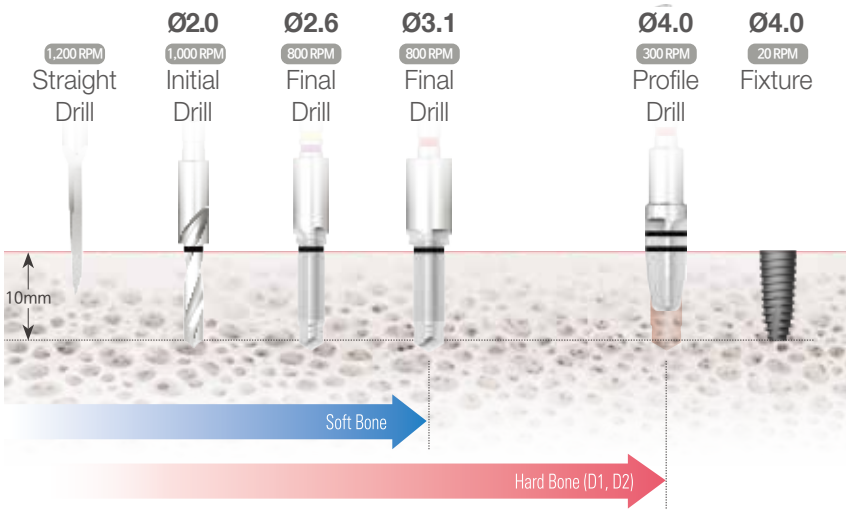


UF Surgical Protocol

Ø3.8 Fixture

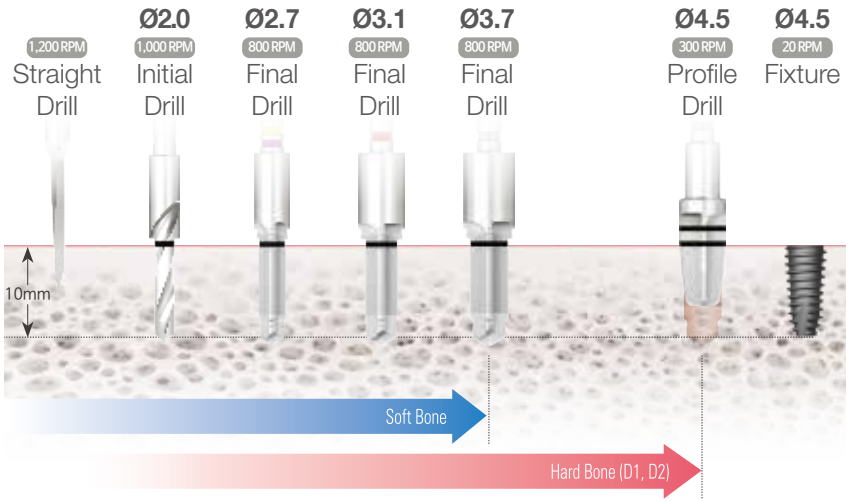


Ø4.0 Fixture

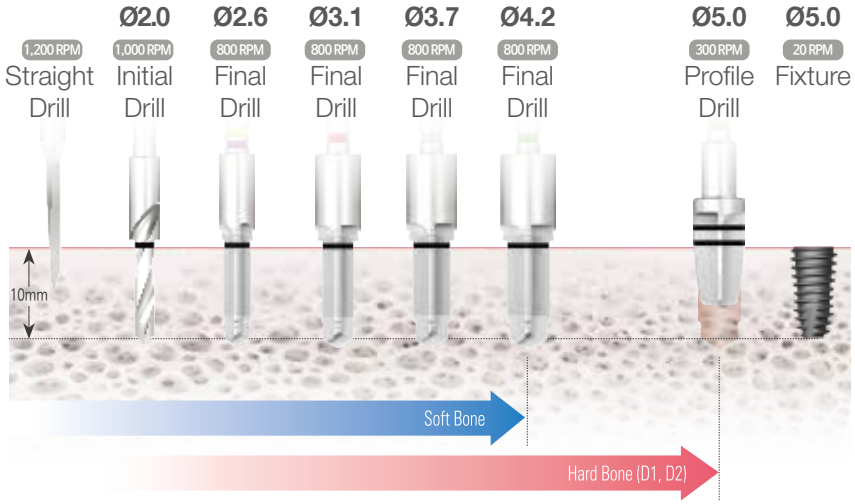


UF Surgical Protocol

Ø4.5 Fixture



Ø5.0 Fixture



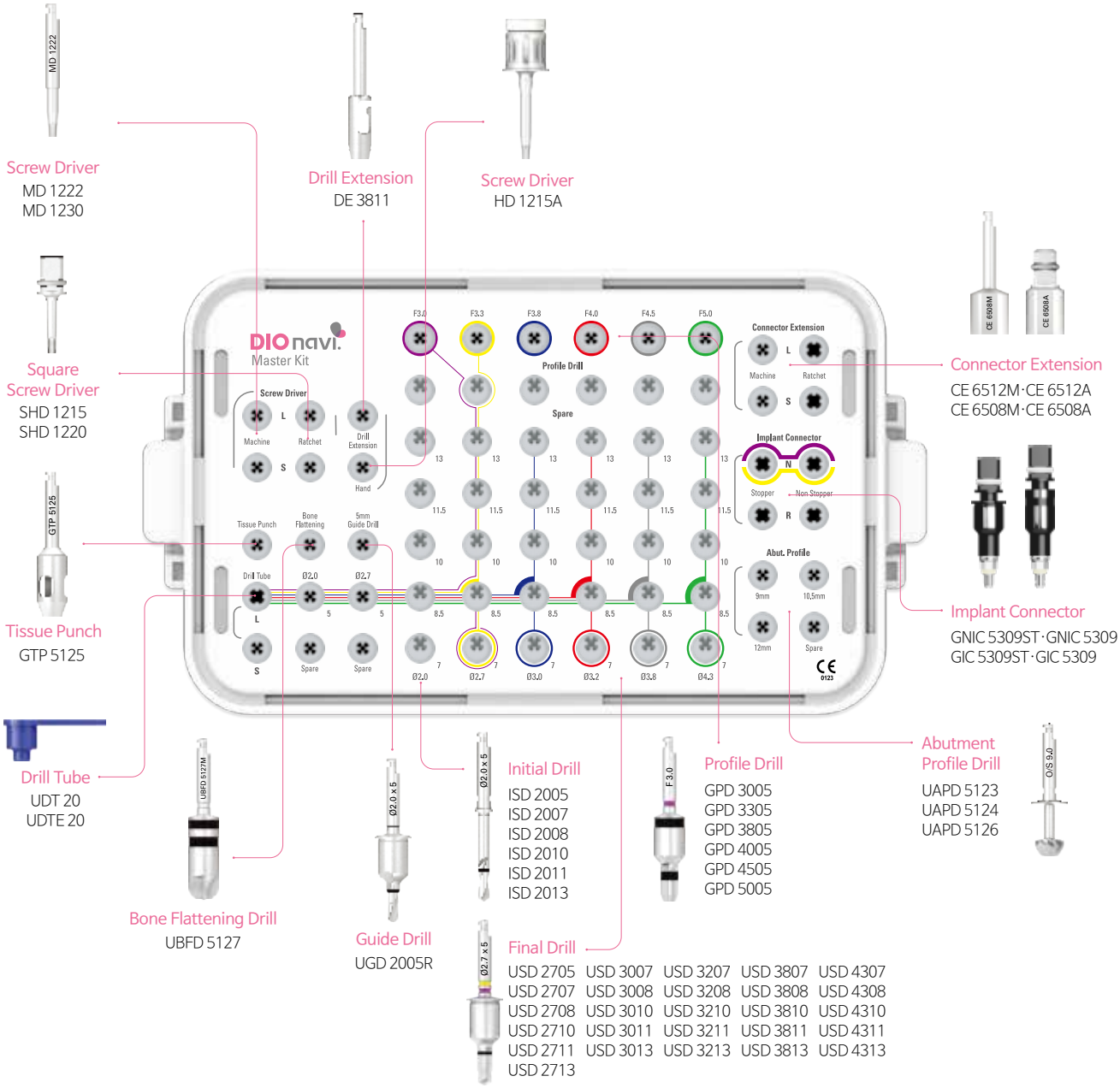
DIOnavi. Kit

DIOnavi. Master Kit

Kit Code | UF 05

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Narrow Ø3.0 Ø3.3 UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Fixture
· Guide Sleeve : GS 53

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.
(Flapless Surgery)

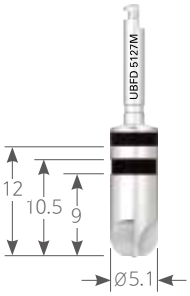
K **D Ø3.0**

Unit mm I Scale 1 : 1

Code	GTP **5125**

Bone Flattening Drill

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



K **D Ø5.1**

Unit mm I 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 Ø2.0** Length **5**

Unit mm I Scale 1 : 1

Code	UGD **2005R**

Drill Extension

K Length **11**

Unit mm I Scale 1 : 1

Code	DE **3811**

Surgical Tool

Drill Tube

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

● Sold separately

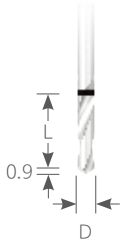
K

Unit mm I Scale 1 : 1

Code	UDT **20**	UDTE **20**	UDTL **20**

Initial Drill

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

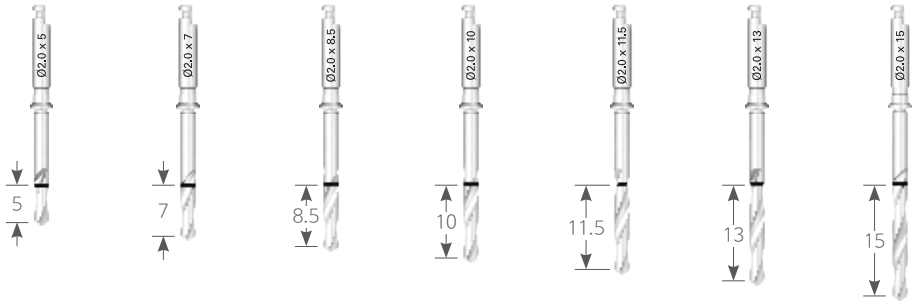


● Sold separately

K **D Ø2.0**

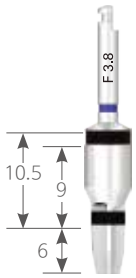
Unit mm I Scale 1 : 1

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



Profile Drill

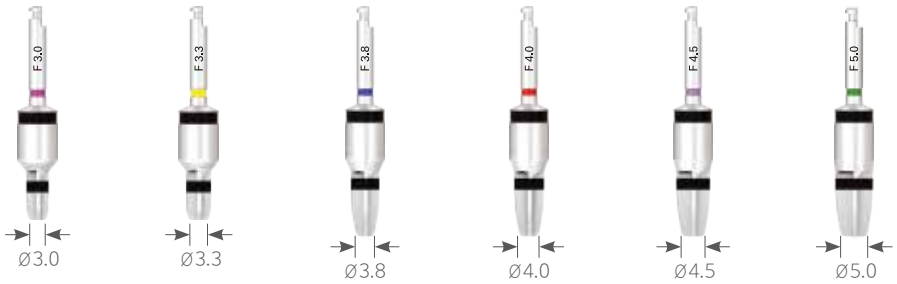
· The cortical bone is further drilled in D1 and D2 bones, and excessive placement torque is prevented.



K

Unit mm I 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**



Color

Bone Profile Drill

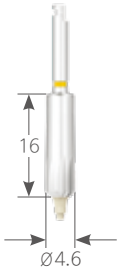
· When connecting abutment (healing) after implant placement, It is necessary to contour the bone for proper seating of the abutments. (to contour bone to allow for a wider emergence profile restoration)
· To flatten and remove bone that has grown around or over an implant which impedes its restoration.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

● Sold separately

K

Unit mm I Scale 1 : 1

Code	BPD **4616GN**	BPD **5608G**

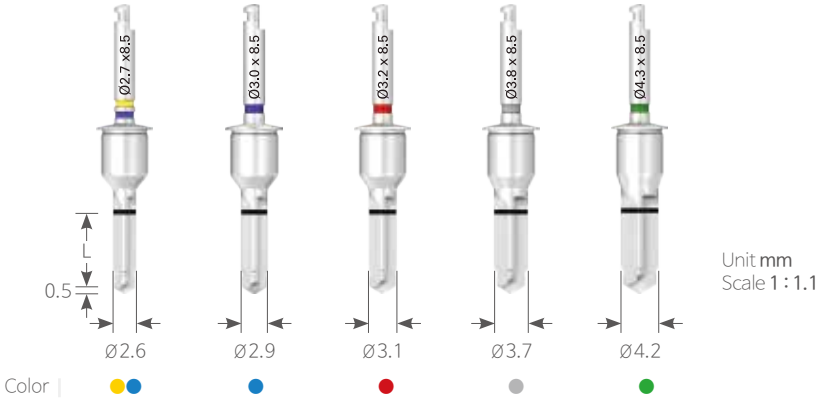


Type | Narrow | Regular

Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



K D Ø2.6

● Sold separately

Unit mm I Scale 1 : 1

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 I 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 I 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 I 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 I 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

K

Unit mm I Scale 1 : 1

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

Unit mm I Scale 1 : 1

Code	UAPD **5123**	UAPD **5124**	UAPD **5126**

Offset	9	10.5	12

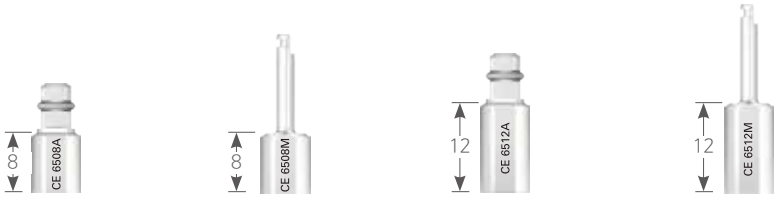
Connector Extension

· Length of the connector is extended during implant placement.

K

Unit mm I Scale 1 : 1

Code	CE **6508A**	CE **6508M**	CE **6512A**	CE **6512M**



Type	Ratchet	Machine	Ratchet	Machine

Implant Connector

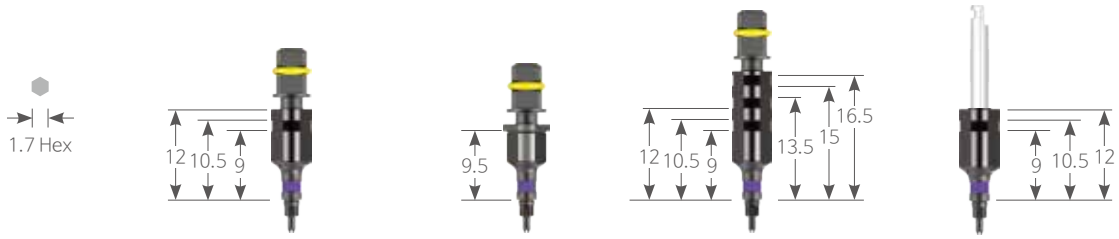
· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) Narrow : 20 times / Be careful about excessive torque of 50Ncm or above.

● Sold separately

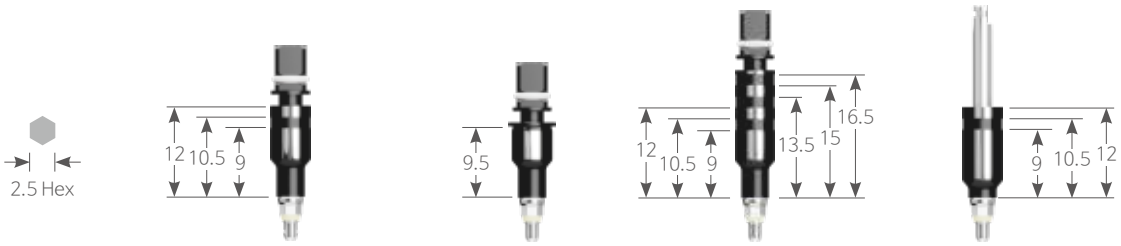
K

Unit mm I Scale 1 : 1

Type	Rachet			Machine
Code	Non-Stopper	Stopper	Multi	Non-Stopper



UF II **Narrow** | GNIC **5309** | GNIC **5309ST** | GNIC **5317** | GNICC **5309**



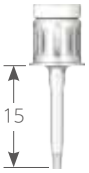
UF II **Regular** | GIC **5309** | GIC **5309ST** | GIC **5317** | GICC **5309**

Surgical Tool

Screw Driver

K Hex **1.2**

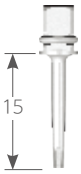
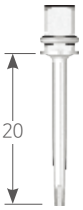
Unit mm I Scale 1 : 1

Code	MD **1222**	MD **1230**	HD **1215A**
			
Type	Machine	Machine	Ratchet

Sqaure Screw Driver

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	SHD **1215**	SHD **1220**
		

Torque Wrench

· To place the fixture using an implant connector

K

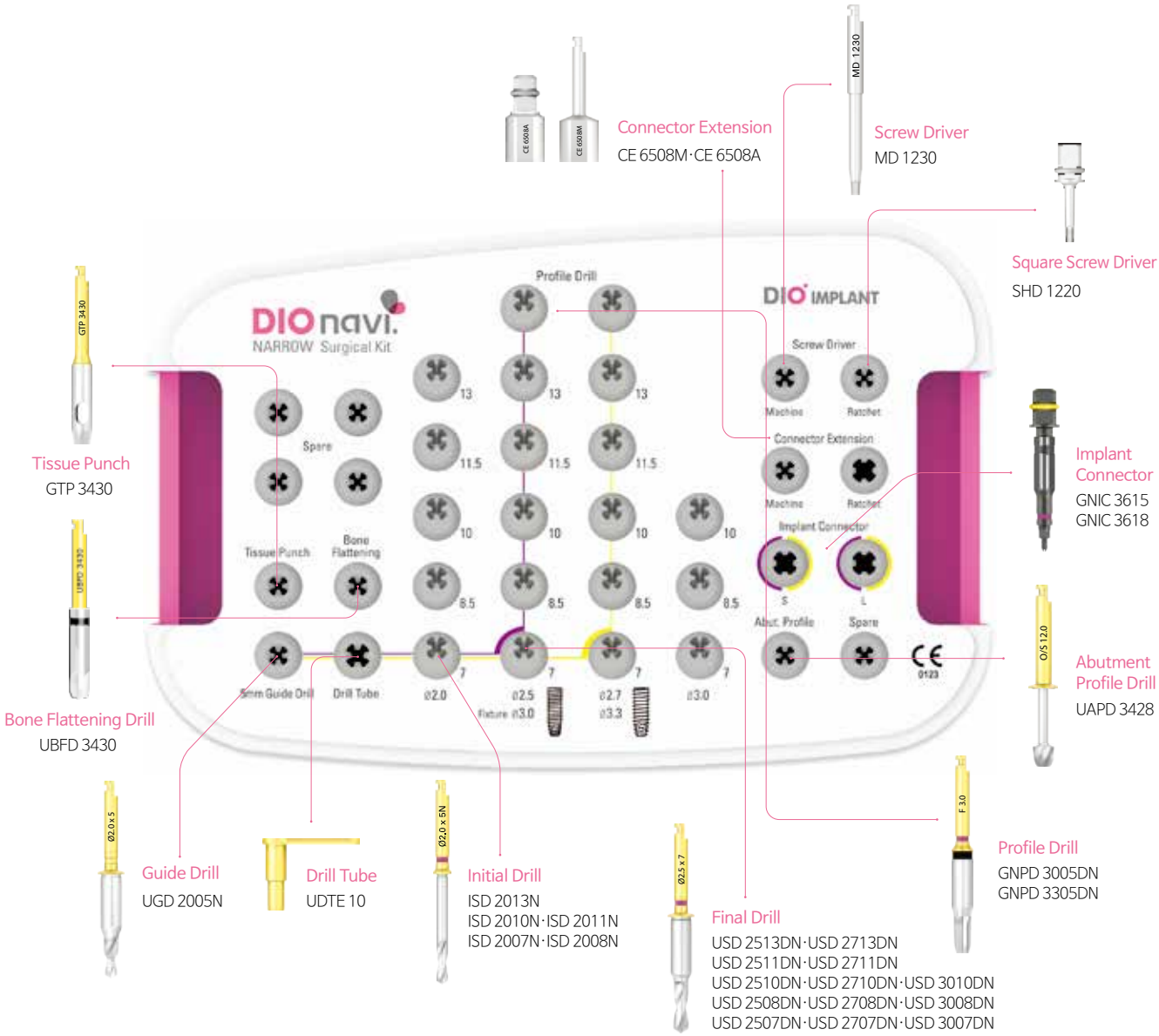
Code	DTW **0080**

DIOnavi. Narrow Kit

Kit Code | UF 14

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3 Fixture
· Guide Sleeve : GSL 36, GS36

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.

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

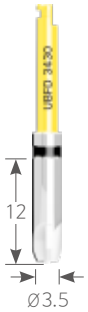
K **D Ø2.8**

Unit mm I 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 plade is used for stable drilling of the hard alveolar ridge.

K **D Ø3.5**

Unit mm I 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.

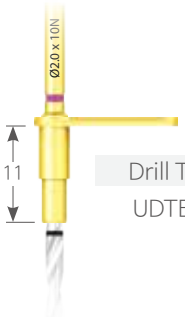
K **D Ø2.0**

Unit mm I 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.



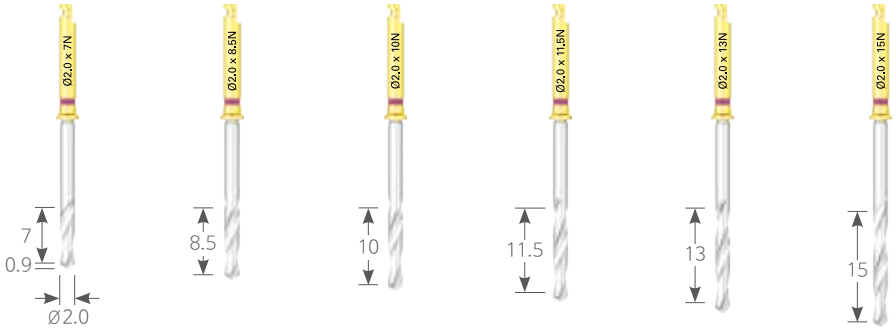
Drill Tube
UDTE **10**

● Sold separately

K **D Ø2.0**

Unit mm I Scale 1 : 1

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 I 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 I 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 I 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 I Scale 1 : 1

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

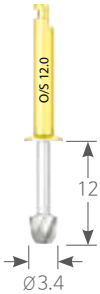
K D Ø2.9

Unit mm I 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**

Unit mm I Scale 1 : 1.15

Code	UAPD **3428**

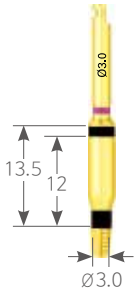
Tap Drill

· Uses 3.6 Sleeve (GSL 36YE : Yellow)

● Sold separately

K **Hex 1.7**

Unit mm I Scale 1 : 1

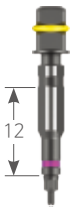
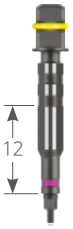
Code	GNTD **3018DN**	GNTD **3318DN**
		
Color	●	●

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**

Unit mm I Scale 1 : 1

Code	GNIC **3615**	GNIC **3618**
		
Type	Short	Long

Connector Extension

· Length of the connector is extended during implant placement.

● Sold separately

K

Unit mm I Scale 1 : 1.2

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

Surgical Tool

Screw Driver Machine

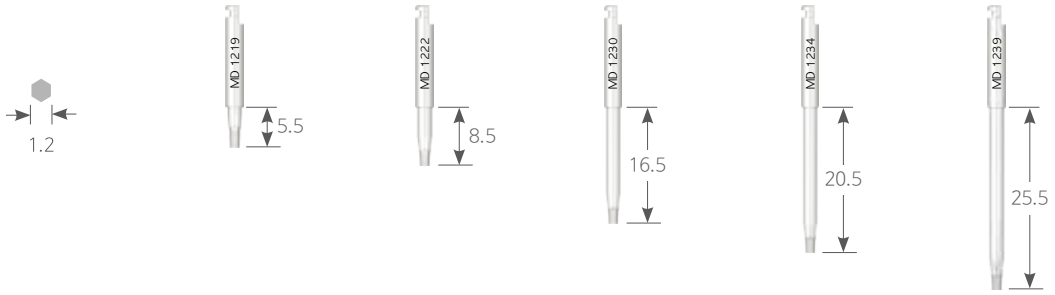
· Used to connect the abutment screw (for handpiece) using an abutment screw driver for ratchet.

● Sold separately

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239

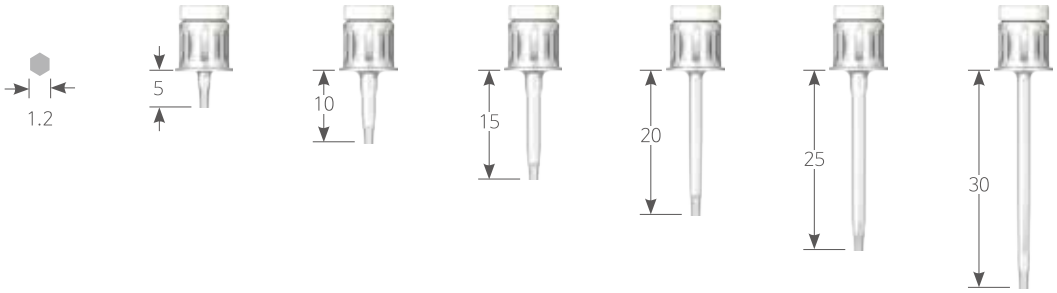


Screw Driver Ratchet

K Hex **1.2**

Unit mm I Scale 1 : 1

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

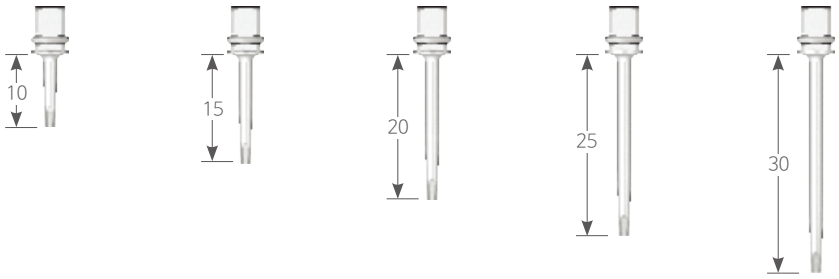


Square Screw Driver

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230

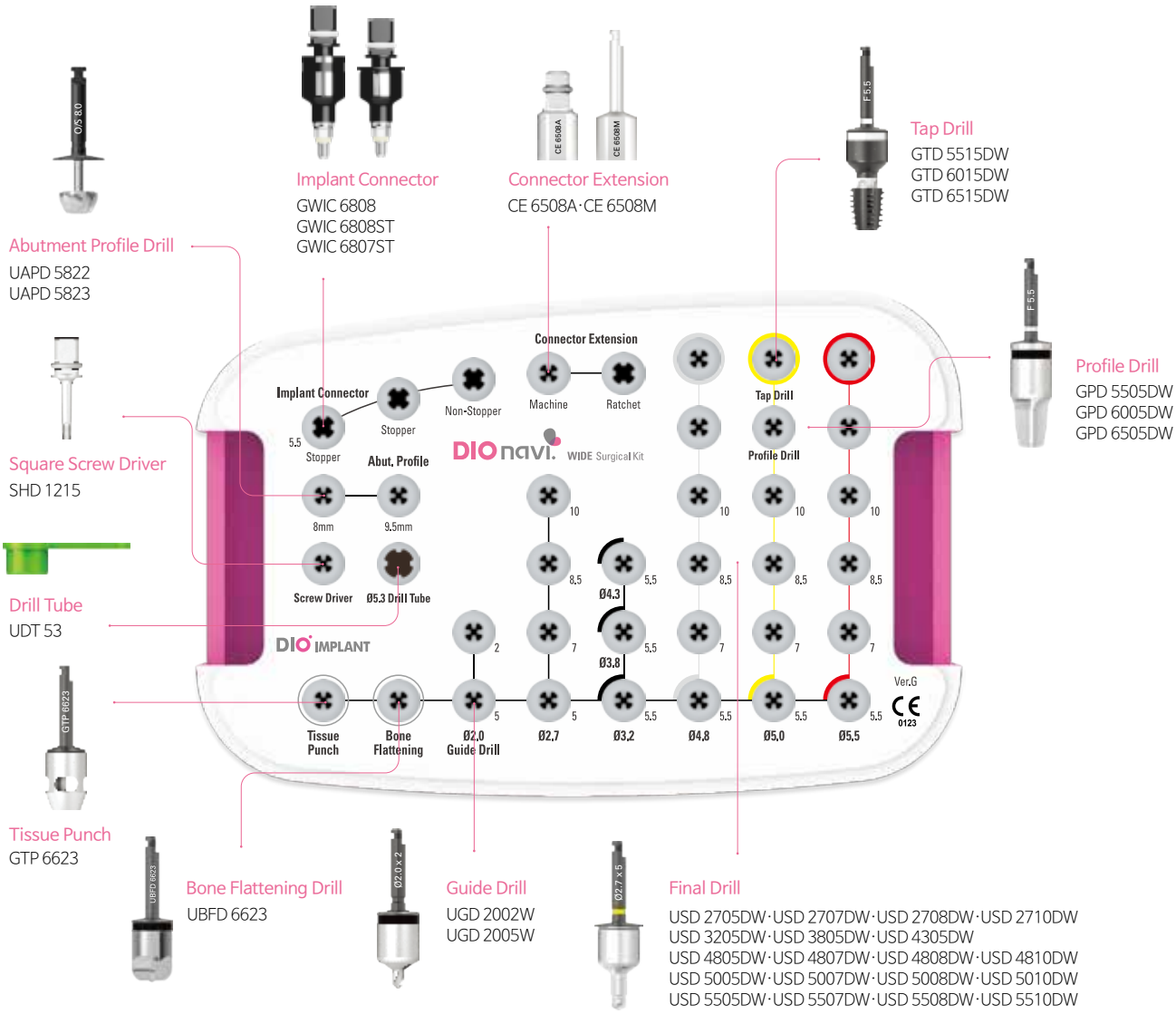


DIOnavi. Wide Kit

Kit Code I UF 11

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF Ⅱ Regular Ø5.5 / UF Ⅱ Wide Ø5.9 Ø6.4 Fixture
· Guide Sleeve : GS 68GN

Unit mm I 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**

Unit mm I Scale 1 : 1.15

Code	GTP **6623**

Bone Flattening Drill

· Irregular alveolar crest surface is flattened.

K

Unit mm I Scale 1 : 1.15

Code	UBFD **6623**

Drill Tube

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

K

Unit mm I Scale 1 : 1.2

Code	UDT **53**

Guide Drill

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

K **D Ø2.0**

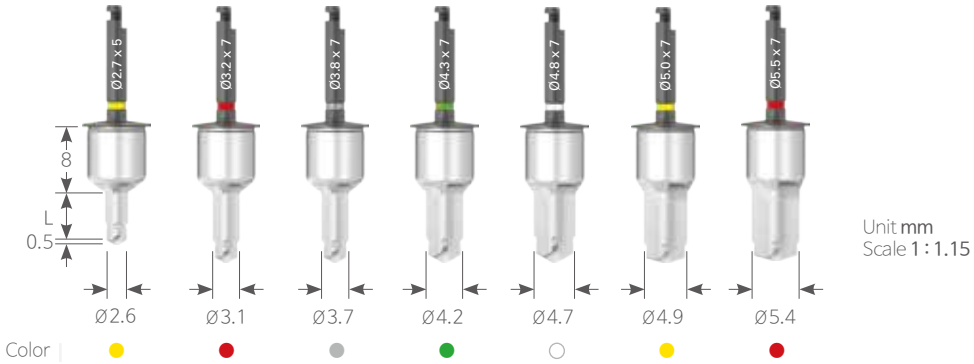
Unit mm I Scale 1 : 1

Code	UGD **2002W**	UGD **2005W**

Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



K D Ø2.6

Unit mm I Scale 1 : 1

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

K Length 5.5

Unit mm I 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 I 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 I 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 I Scale 1 : 1

Code	USD **5505DW**	USD **5507DW**	USD **5508DW**	USD **5510DW**
				
Length	5.5	7	8.5	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 I Scale 1 : 1

Fixture Size	Ø5.5	Ø5.9	Ø6.4
Code	GPD **5505DW**	GPD **6005DW**	GPD **6505DW**

Color

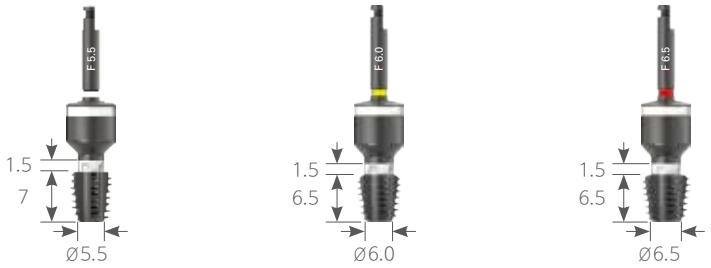
Tap Drill

· Excessive implant placement torque is prevented.

K

Unit mm I Scale 1 : 1

Fixture Size	Ø5.5	Ø5.9	Ø6.4
Code	GTD **5515DW**	GTD **6015DW**	GTD **6515DW**



Color

Connector Extension

· Length of the connector is extended during implant placement.

K

Unit mm I Scale 1 : 1.1

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 Ø5.8**

Unit mm I Scale 1 : 1

Code	UAPD **5822**	UAPD **5823**
		
Offset	8	9.5

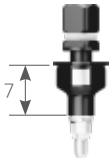
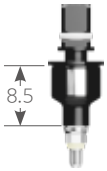
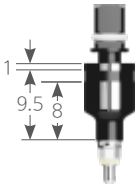
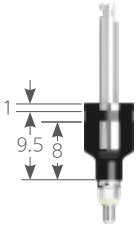
Implant Connector

· 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 I Scale 1 : 1

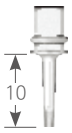
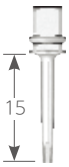
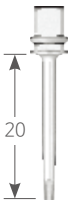
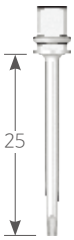
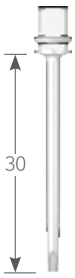
Code	GWIC **6807ST**	GWIC **6808ST**	GWIC **6808**	GWICC **6808**
				
Type	Stopper	Stopper	Non-Stopper	Machine Non-Stopper
Offset	7	8	8 / 9.5	8 / 9.5

Square Screw Driver

● Sold separately

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	SHD **1210**	SHD **1215**	SHD **1220**	SHD **1225**	SHD **1230**
					

DIOnavi. Flapless Crestal Sinus Kit

Kit Code | SMK 02

Unit mm | Drill Scale 1 : 0.9

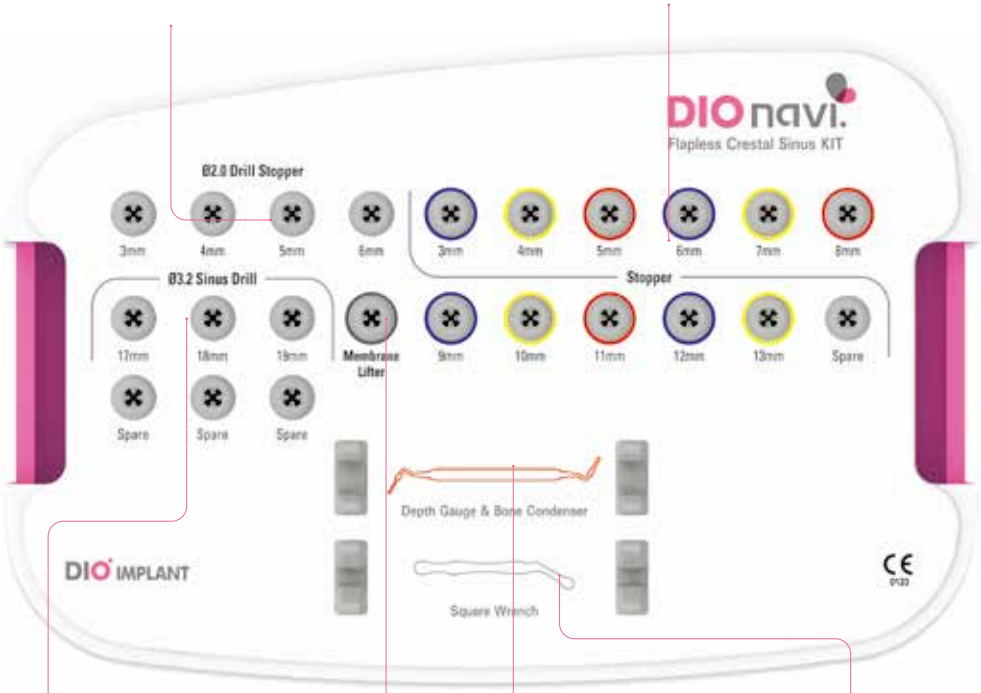
Ø3.2 Drill Stopper

GST 03BL | GST 04YE | GST 05RD | GST 06BL | GST 07YE | GST 08RD

GST 09BL | GST 10YE | GST 11RD | GST 12BL | GST 13YE

Ø2.0 Drill Stopper

GST 2030BL | GST 2040YE | GST 2050RD | GST 2060BL



Sinus Drill
GSRD 3217
GSRD 3218
GSRD 3219

Membrane Lifter
WML 6627

Square Wrench
DSW 050

Depth Gauge & Bone Condenser
GSDB 2619

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 Unit mm I Scale 1 : 1

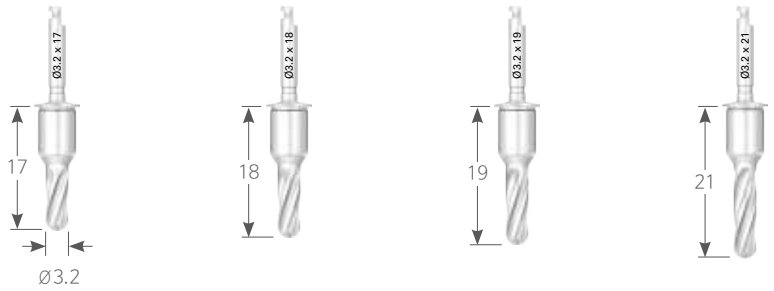
Code	GST **2030BL**	GST **2040YE**	GST **2050RD**	GST **2060BL**

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 (50rpm)

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 I 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**

Square Wrench

Unit mm

K

Code	DSW **050**

Surgical Tool

Sailine Tube

· Syringe ※ Separately sold product

● Sold separately

Unit mm

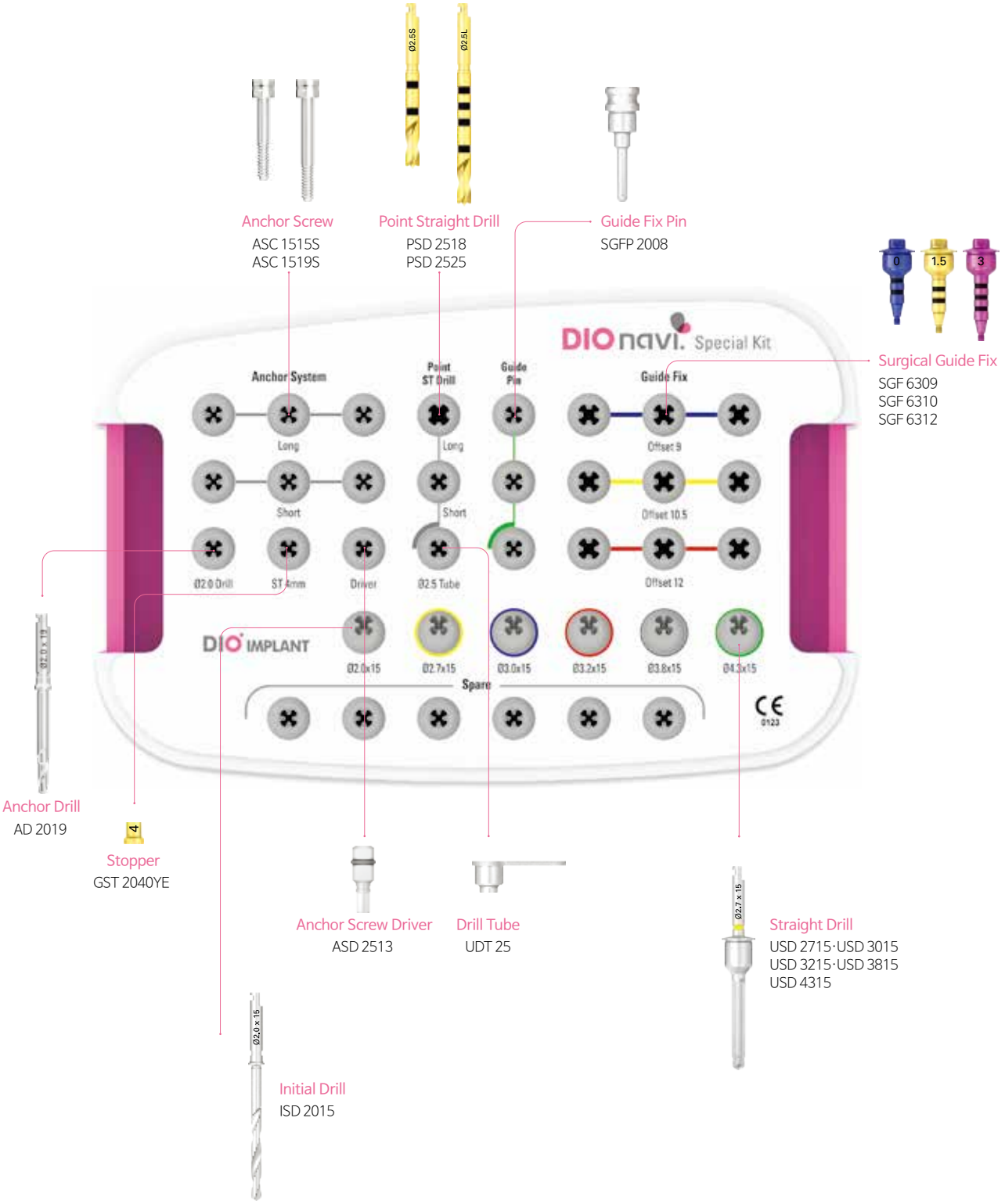
K	
Code	MLT 40300

DIOnavi. Special Kit

Kit Code | SGF 02

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

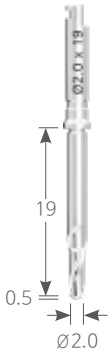
Unit mm | Drill Scale 1 : 0.9



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 I 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 I Scale 1 : 1.15

Code	GST **2040YE**

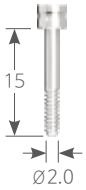
Anchor Screw

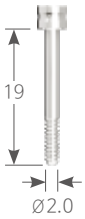
· Used to connect the anchor screw using an anchor screw driver for ratchet

K **D Ø2.0**

Unit mm I 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 I Scale 1 : 1.15

Code	ASD **2513**

Surgical Tool

Initial Drill

K **D Ø2.0**

Unit mm I Scale 1 : 1.15

Code	ISD **2015**

Drill Tube

K

Unit mm I Scale 1 : 1.2

Code	UDT **25**

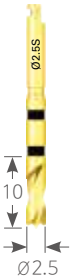
Point Straight Drill

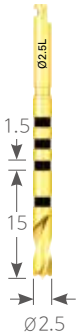
· Use of a drill tube (UDT 25) exclusive for the instrument (with a shape that prevents slipping on the bone) to form the guide hole in accurate position

K **D Ø2.5**

Unit mm I Scale 1 : 1

Code	PSD **2518**	PSD **2525**



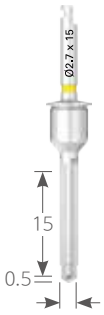


Surgical Tool

Straight Drill

K Length **15**

Unit mm I 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 I 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)

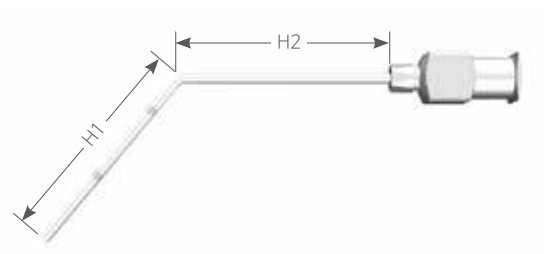
K

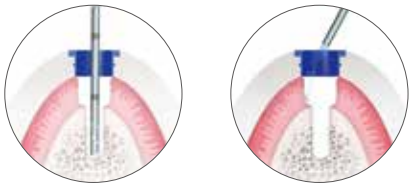
Unit mm I Scale 1 : 1

Code	SGF **6309**	SGF **6310**	SGF **6312**
			
Offset	9	10.5	12

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

K

Unit mm I Scale 1 : 1.15

Code	MNTE	MNTL
Height 1	30	25
Height 2	50	25

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

K

Unit mm

Code	NP 01

Surgical Kit

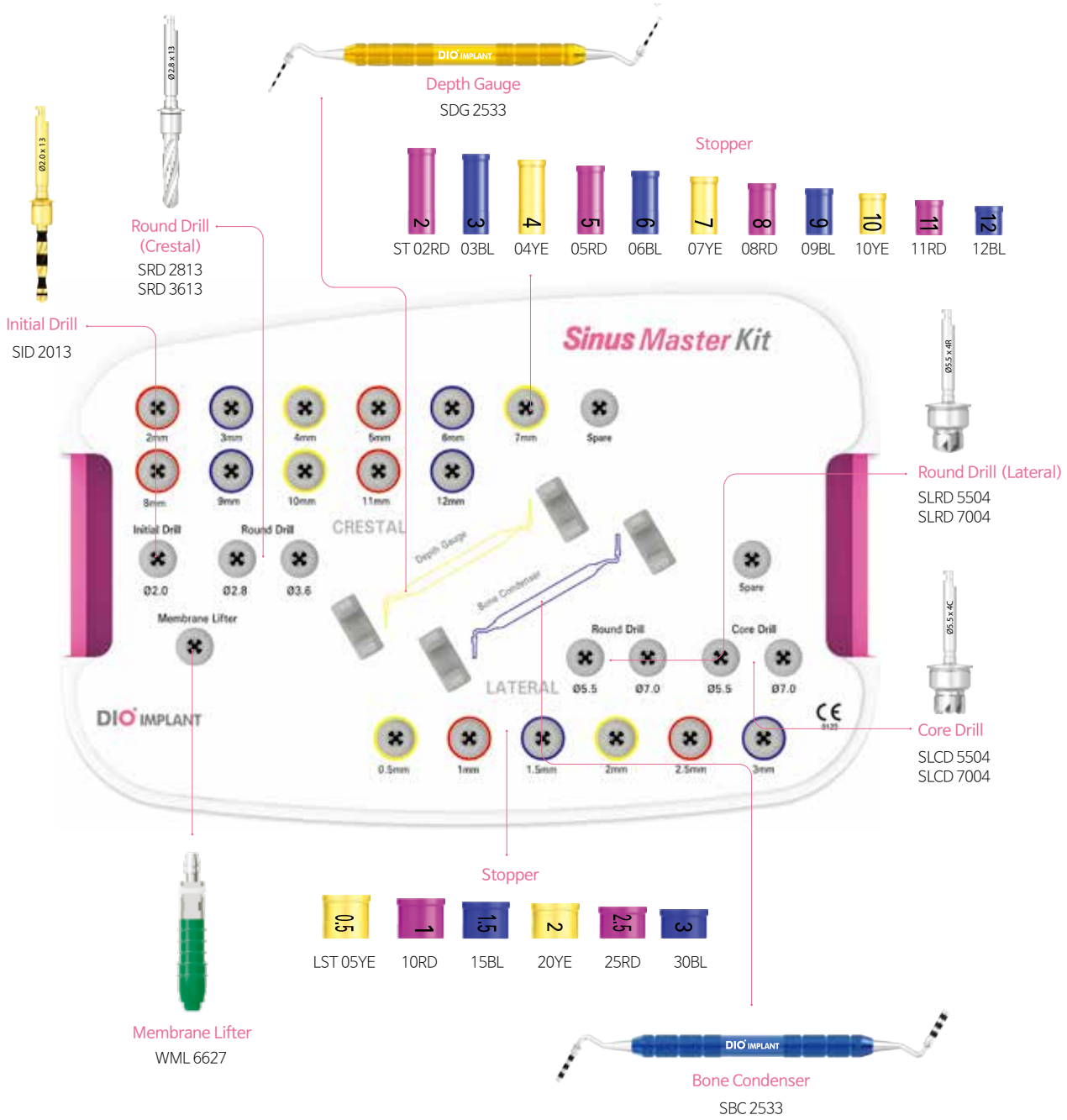
Sinus Master Kit

Kit Code I 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 safely and quickly

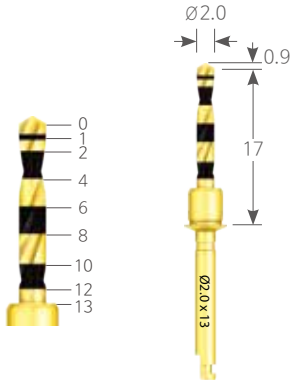
· **Lateral Approach Technic**
Round drill or core drill can be selected. The membrane can be lifted safely and quickly based on low-speed drilling (50~100rpm) and stopper.

Unit mm I Drill Scale 1 : 0.9



Surgical Tool Crestal

Ø2.0 Intial Drill

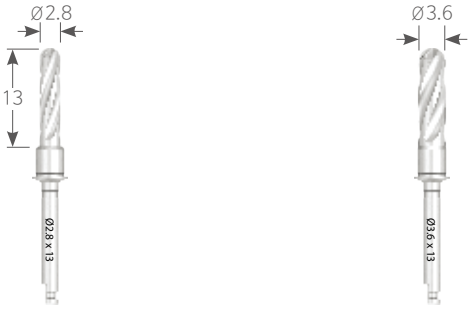


K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	SID **2013**

Round Drill



K Length **13**

Unit mm I Scale 1 : 1.2

Code	SRD **2813**	SRD **3613**

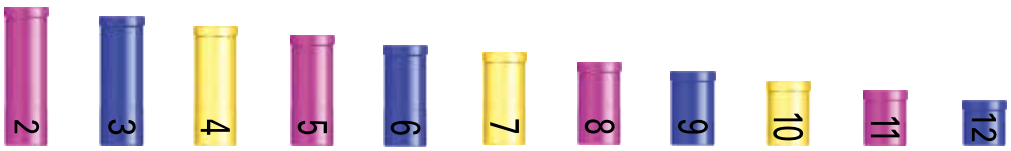
Stopper

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

K

Unit mm I 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



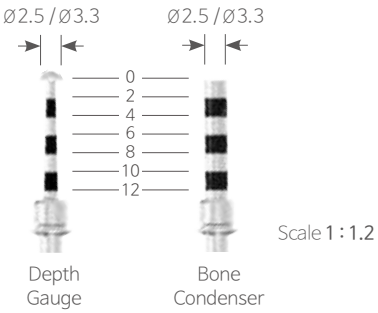
Membrane Lifter

· Single use only

K

Unit mm I Scale 1 : 1.2

Code	WML **6627**



Depth Gauge

K

Unit mm

Code	SDG **2533**

Bone Condenser

K

Unit mm

Code	SBC **2533**

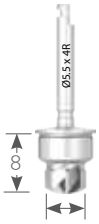
Surgical Tool Lateral

Round Drill

K

Unit mm I Scale 1 : 1

Code	SLRD **5504**	SLRD **7004**

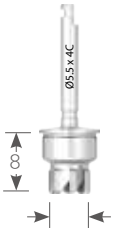


Core Drill

K

Unit mm I 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 I 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

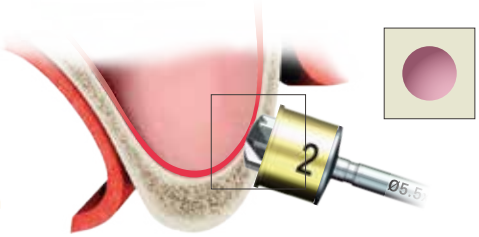
· Round drill or core drill can be selected. The membrane can be lifted and based on low-speed drilling (50~100rpm) and stopper.

Drilling Round Drill

Rounded tip to perform drilling

Caution

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

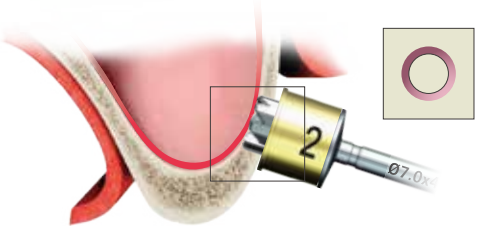


Drilling Core Drill

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.

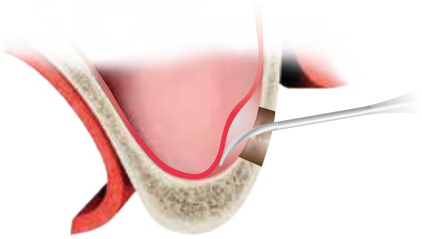
Caution

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



Lifting of the sinus membrane Sinus Lift

Lifting of the membrane on the lateral side



Surgical Protocol

Crestal Approach Technic

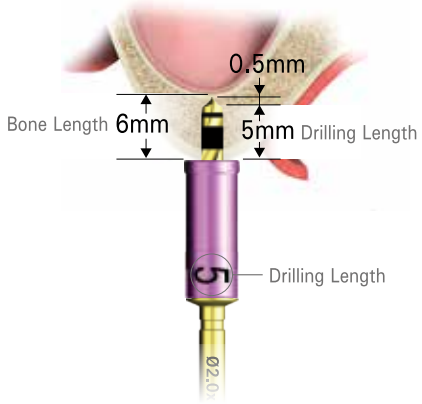
· Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane.

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

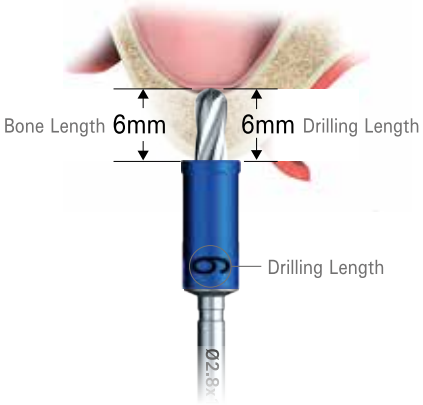


Sinus drill to perforate the bone underneath the maxillary sinus

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



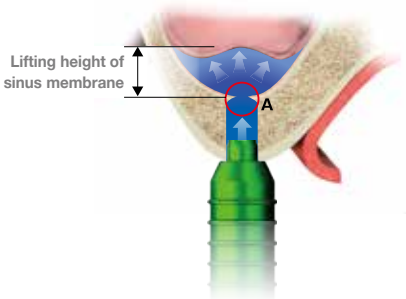
Membrane lifter to lift the sinus membrane

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.

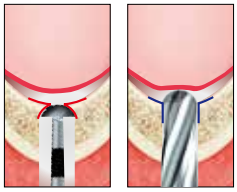
Aspiration of saline solution with the nozzle kept in the hole

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

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.



Checking incomplete perforation | Complete perforation

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
Gone 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

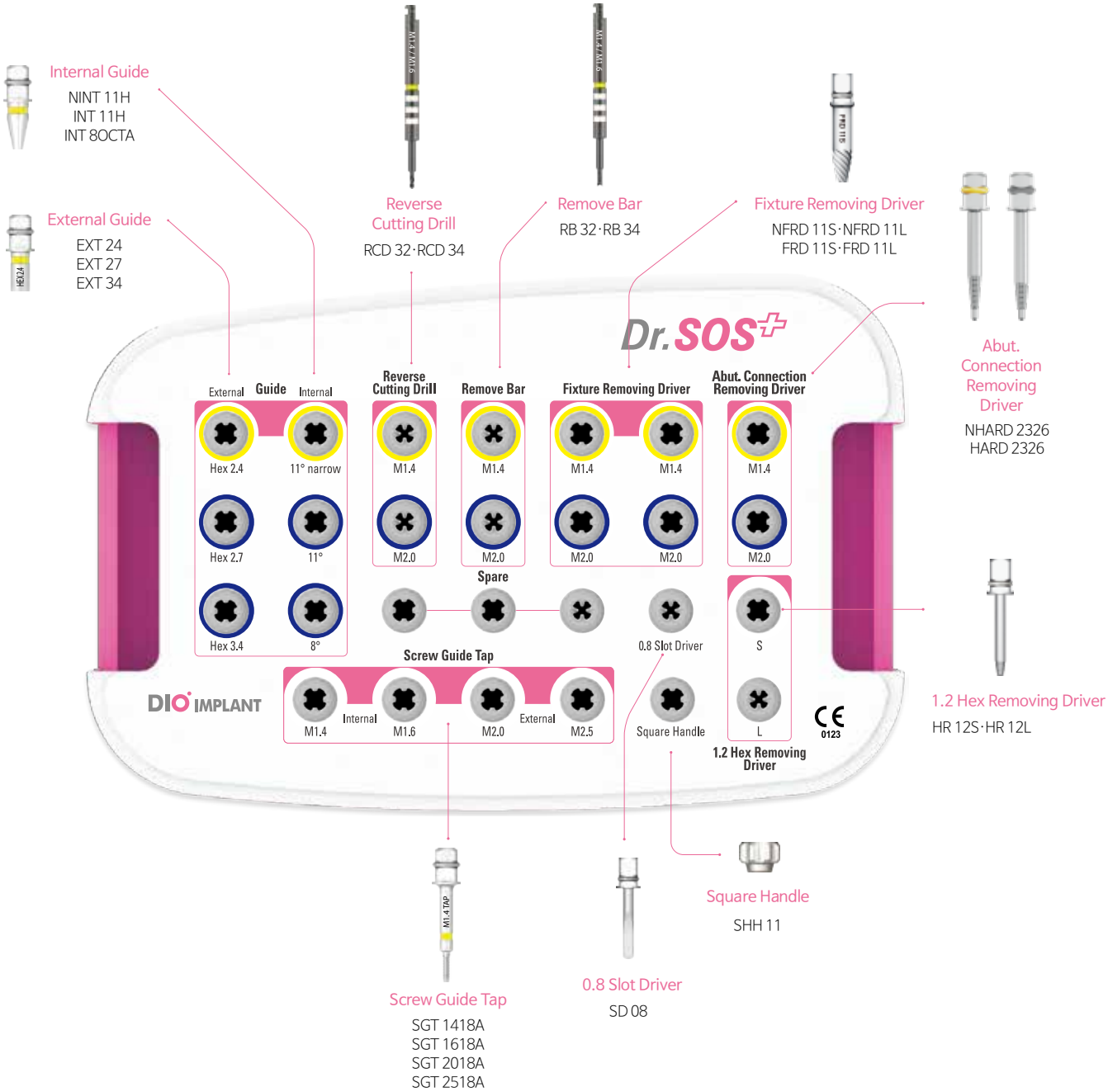
If remaining bone is very thin with thickness of 3mm or less and initial fixing of impalnt fails, only bone graft on the maxillary sinus is performed without implant placement.

Dr.SOS+ Kit

Kit Code | DRS 02

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

Unit mm | Drill Scale 1 : 0.9



Square Wrench
DSW 050

Surgical Tool

Internal Guide

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

K UFII Narrow

Unit mm I Scale 1 : 1

Code	NINT **11H**	NINT **11N**
		
Type	Hex	Non-Hex

K UFII 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

K Hex

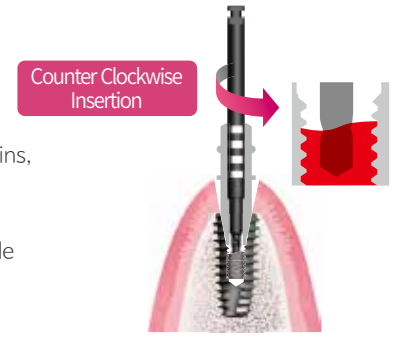
Unit mm I Scale 1 : 1

Code	EXT **24**	EXT **27**	EXT **34**
			
	2.4	2.7	3.4

Surgical Tool

Reverse Cutting Drill

· After inserting the end blade of the cutting drill in the fractured screw remains, remove the remains in a reverse rotation by friction.
· When it is difficult to remove with a reverse cutting drill, remove the screw remains by inserting a 1.2 hex removing driver on the hole formed on the screw remains and drilling in a reverse rotation



※Drill Speed : 1,200RPM / Reverse rotation
※In order to prevent high heat generation, osteotomy irrigation is necessary.

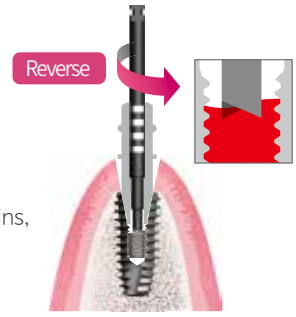
K

Unit mm I Scale 1 : 1

Code	RCD 32	RCD 34
		
Type	M1.4 / 1.6	M2.0 / 2.5

Remove Bar

· By attaching the end blade of the bar to the cross section of the fractured screw remains, remove the remains in a reverse rotation by friction



※ Drill Speed : 15rpm / Reverse rotation

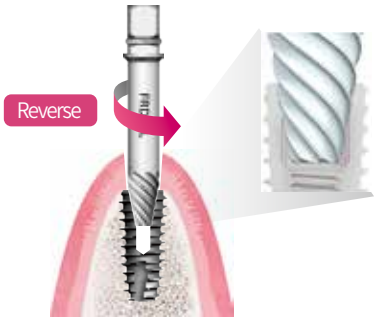
K

Unit mm I Scale 1 : 1

Code	RB 32	RB 34
		
Type	M1.4 / 1.6	M2.0 / 2.5

Fixture Removing Driver

· Allows the removal of placed implant by inserting to the fixture and turning anti-clockwise.



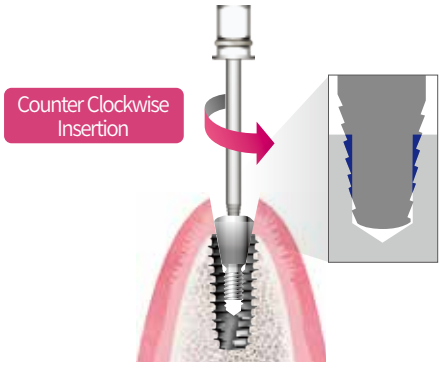
K

Unit mm I Scale 1 : 1

Fixture Size	UFII Narrow / External NF		UFII Regular / Wide	
Code	NFRD **11S**	NFRD **11L**	FRD **11S**	FRD **11L**
				
Type	Short	Long	Short	Long

1.2 Hex Removing Driver

· When use of the 1.2 Hex driver is not possible due to microorganisms in the 1.2 Hex connection part or the screw is stripped, use the removing driver for the removal of abutments or screws by inserting and turning anti-clockwise.



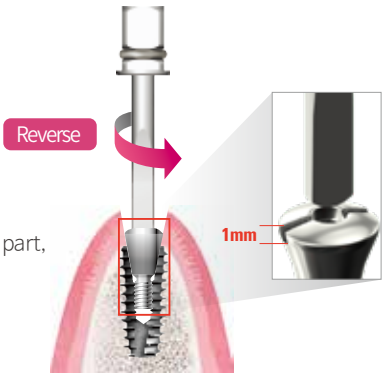
K Hex **1.2**

Unit mm I Scale 1 : 1

Code	HR **12S**	HR **12L**
 1.2		

0.8 Slot Driver

· If removal with the driver is not possible due to severe wear in the connection part, use the bur to create a slot with a minimal depth of 1mm and remove using the 0.8 Slot driver.



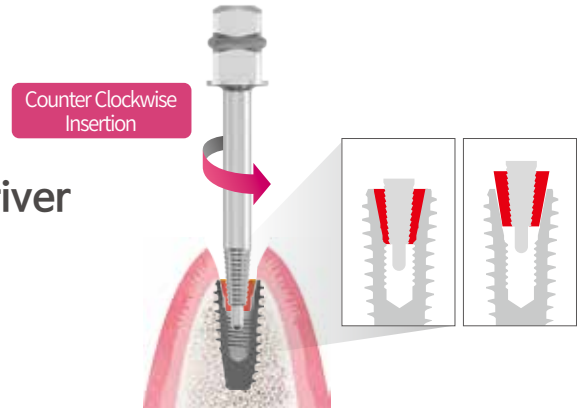
K

Unit mm I Scale 1 : 1

Code	SD **08**

Abutment Connection Removing Driver

· Used to remove a fractured abutment. Connect the screwdriver into the fixture and turn it counterclockwise.



K

Unit mm I Scale 1 : 1

Abutment Size	Narrow	Regular
Code	NHARD **2326**	HARD **2326**

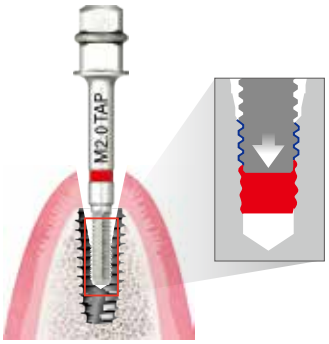
Ø0.9

Ø1.17

Color

Screw Guide Tap

· Allows the restoral of distorated or damaged screw threads which hinder abutment-to-fixture attachment, caused by the penetration of microorganisms in the connection part or stripping of the screw thread.



K UF Ⅱ Narrow / External Narrow

Unit mm | Scale 1 : 1

Code	SGT **1418A**	SGT **1618A**	SGT **2018A**	SGT **2518A**
				
	Ø1.4	Ø1.6	Ø2.0	Ø2.5
Color				

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Manufacturer

DIO Corporation

66, Centumseo-ro,

Haeundae-gu,

Busan, 48058, Republic of Korea