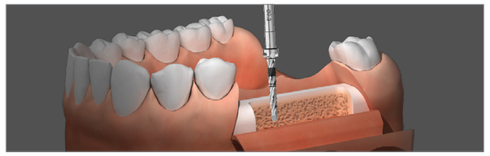
SQ
Surgical Manual

1. Incision

– Make an incision in the area where the implant will be placed.



2. Lindemann Drill

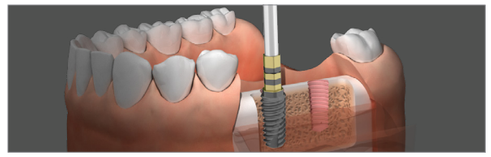
– Make a guide hold for the initial drilling by using point drill.
– We recommend 1,000RPM while drilling as well as continued drilling that reaches the bottom of the laser–marked line.

3. Straight/Step Drill

– We recommend 1,000RPM while drilling as well as continued drilling that reaches the bottom of the laser–marked line.
※ RPM can be set diversely depending on the bone density.
– Choose the appropriate drill that is equal to the length of fixture to be placed and then drilling that continues to the own stopper.

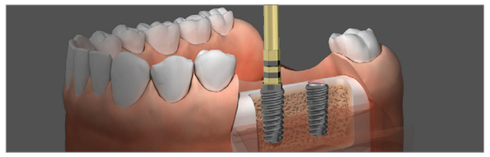
4. Countersink

– We recommend 800~1,000RPM while drilling as well as continued drilling that reaches the bottom of the laser–marked line.
※ RPM can be set diversely depending on the bone density.
– In case of D1–D2 bone, drill until upper line of laser marking, in case of D3–D4 bone, drill until lower line of laser marking.



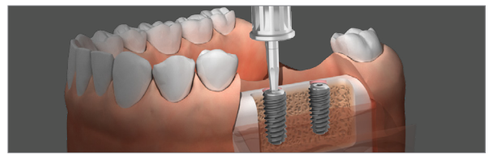
5. Fixture placement [1]

– Place the fixture with s–Clean No–Mount Driver, a component of Surgical Kit set.
– We recommend 20RPM–30Ncm/ Max 40Ncm.
– For Narrow fixtures, recommending 20RPM–20Ncm / Max 30Ncm.



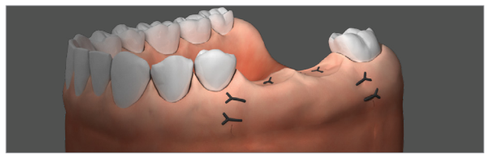
6. Fixture placement [2]

– Place the fixture with s–Clean Ratchet Driver, a component of Surgical Kit set, s–Clean Torque Ratchet connected.
– Placing that continues to the laser–marked line on the driver.
– It should be caution against too excessive torque.



7. Cover Screw Connection

– Remove the cover screw from the Ampoule case using a 1.25 hex hand driver, and then connect the screw to the fixture.
– Recommend torque for cover screw is 5–8Ncm



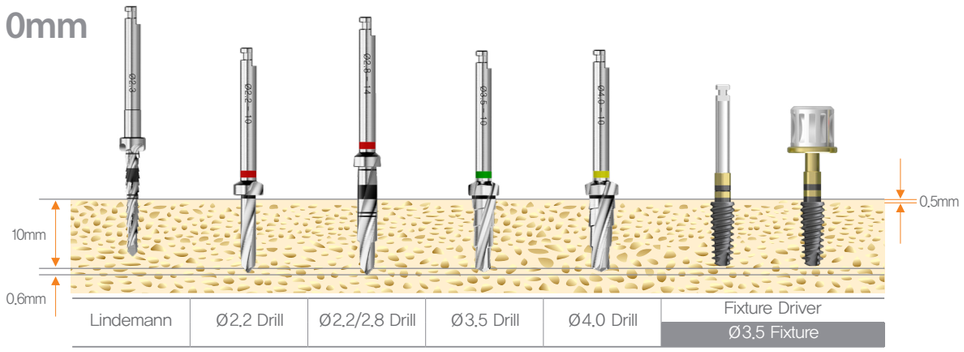
8. Suture

– After connecting the cover screw to the fixture, suture the incised gingiva.
– Make sure there is enough attached gingiva for stability.

SQ Drilling Sequence

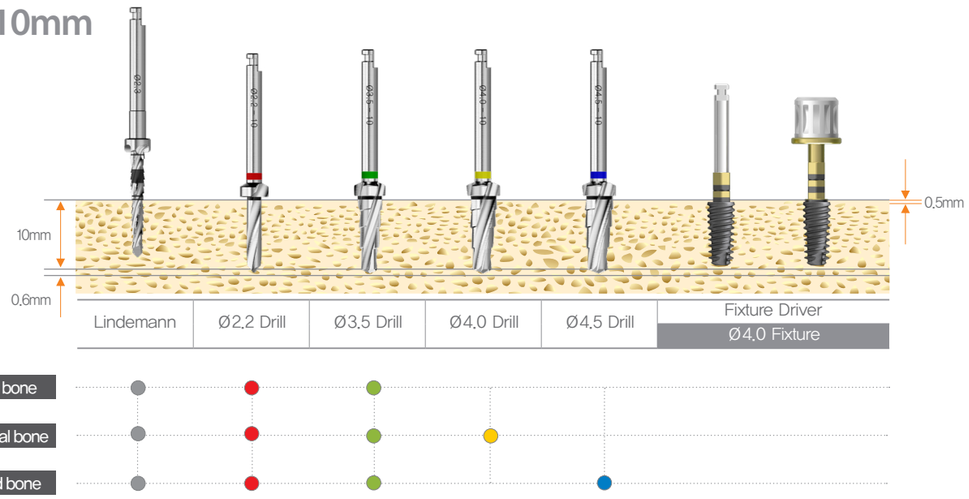
When place fixture, Drilling has to 0.5mm deeper than fixture length and place fixture 0.6mm lower than bone level.

Ø3.5 x 10mm



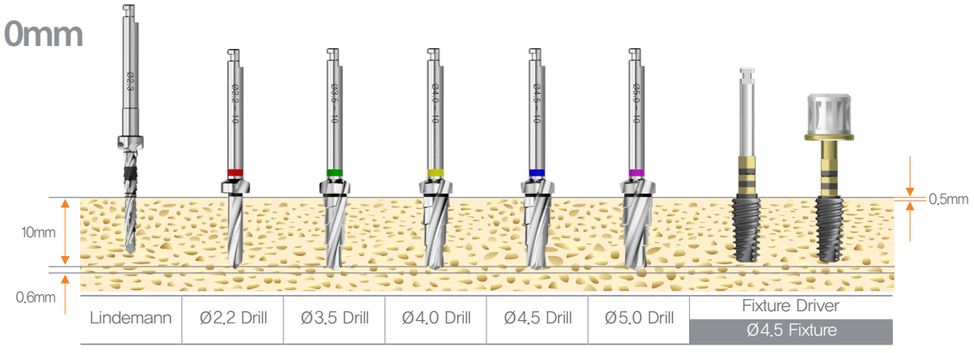
* **Recommended rpm** – Lindemann : 1,200~1,500 rpm / Straight & Step Drill : 800–1,200 rpm
Overdrilling it hard bone, Downdrilling in soft bone

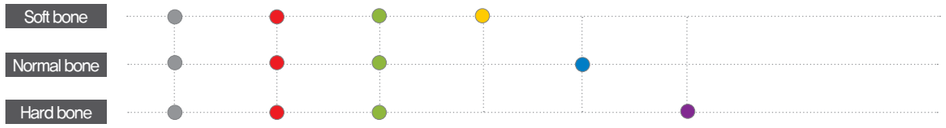
Ø4.0 x 10mm



* **Recommended rpm** – Lindemann : 1,200~1,500 rpm / Straight & Step Drill : 800–1,200 rpm
Overdrilling it hard bone, Downdrilling in soft bone

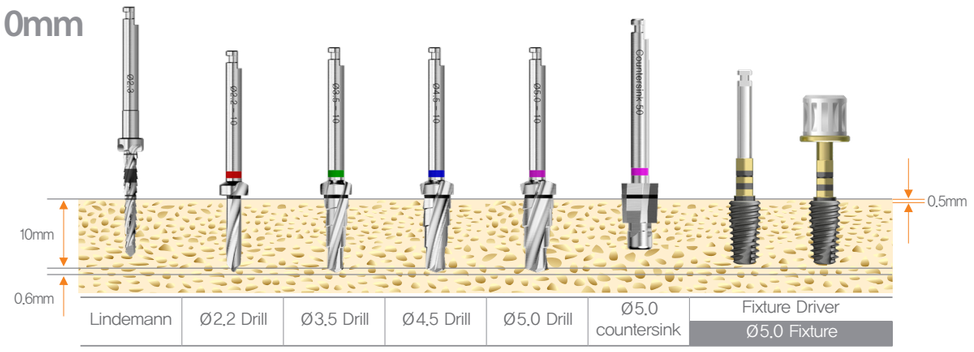
Ø4.5 x 10mm

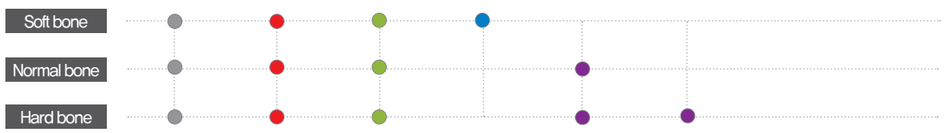




* **Recommended rpm** – Lindemann : 1,200~1,500 rpm / Straight & Step Drill : 800–1,200 rpm
Overdrilling it hard bone, Downdrilling in soft bone

Ø5.0 x 10mm

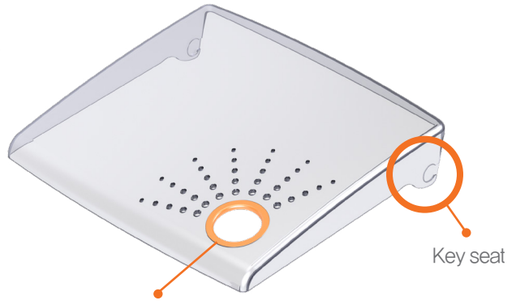




* **Recommended rpm** – Lindemann : 1,200~1,500 rpm / Straight & Step Drill : 800–1,200 rpm
Hard bone 시, countersinking

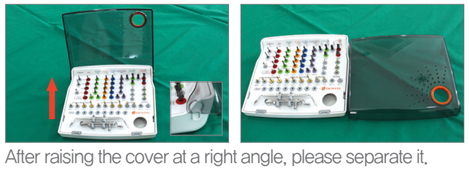
SQ Surgical Kit

Cover



SEPARATION

Please raise the cover with finger in the guide hole.



After raising the cover at a right angle, please separate it.

Middle tray

ASSEMBLING

After raising the cover at a right angle, please assemble it with a key seat properly.

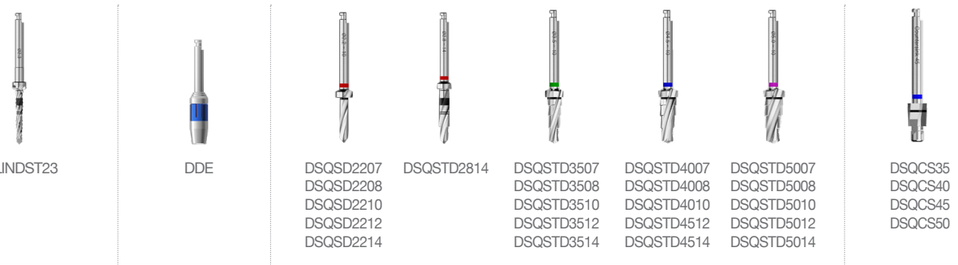
REMOVAL

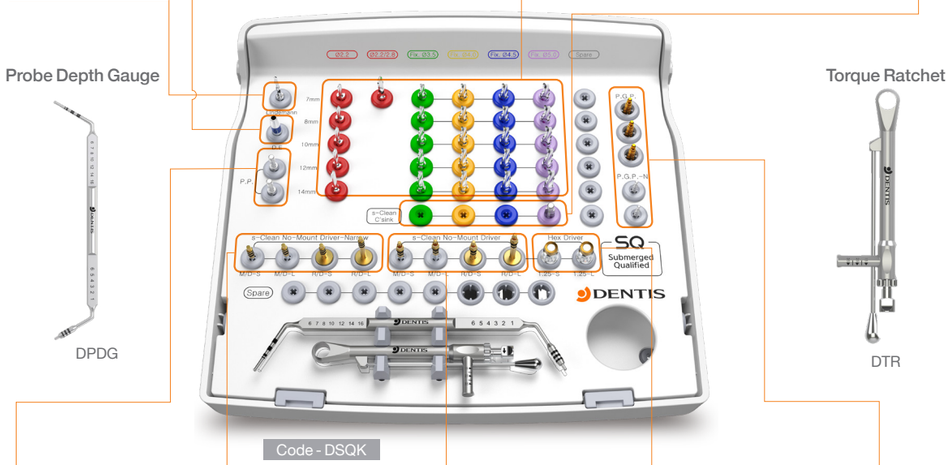
Please raise the middle tray with finger in the guide hole as following this arrow.

Bottom

ASSEMBLING

The lower part of middle tray is inserted first, and please press the upper part.





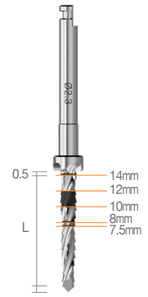
SQ Parallel Pin for Drill	s-Clean No-Mount Driver & Ratchet Driver	s-Clean No-Mount Driver & Ratchet Driver	1.25 Hex Driver	Path Guide Pin for SQ Fixture
DSQPP	DSNDSS DSRDSS DSNDSL DSRDSL	DSNDS DRMDSS DSNDL DRMDSL	DRHDS125 DRHDL125	DSQPGPS DSQPGPR

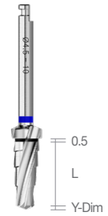
SQ Surgical Instrument

Lindemann Drill

Lindemann Drill	L
DLINDST23	14

※ For side cutting to change drilling path

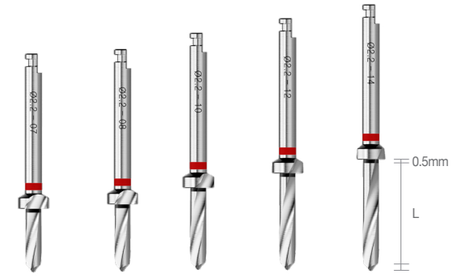




SQ Straight Drill

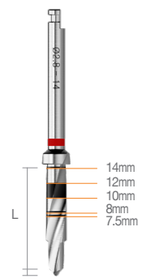
Ø2.2	L
DSQSD2207	7.5
DSQSD2208	8
DSQSD2210	10
DSQSD2212	12
DSQSD2214	14

※ To prepare the installation site, reaching final width and depth with fixture–size color coding



Step Drill 2.8

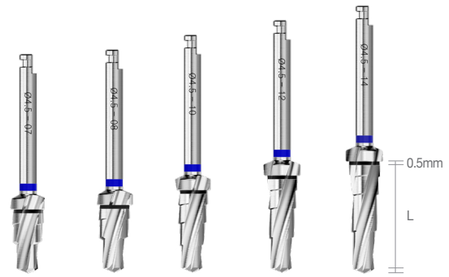
Ø2.8	L
DSQSD2814	14



Step Drill

Ø3.5 Twist	Ø4.0 Twist	Ø4.5 Twist	Ø5.0 Twist	L
DSQSTD3507	DSQSTD4007	DSQSTD4507	DSQSTD5007	7.5
DSQSTD3508	DSQSTD4008	DSQSTD4508	DSQSTD5008	8
DSQSTD3510	DSQSTD4010	DSQSTD4510	DSQSTD5010	10
DSQSTD3512	DSQSTD4012	DSQSTD4512	DSQSTD5012	12
DSQSTD3514	DSQSTD4014	DSQSTD4514	DSQSTD5014	14

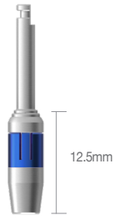
※ To prepare the installation site, reaching final width and depth with fixture–size color coding



Drill Extension

Code No.
DDE

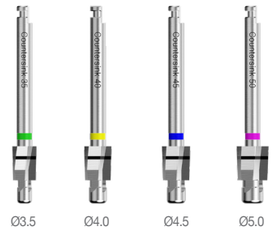
※ To extend drill length



Countersink

Ø3.5	Ø4.0	Ø4.5	Ø5.0
DSQCS35	DSQCS40	DSQCS45	DSQCS50

※Used to enlarge the opening of an implant site to the exact implant diameter to reduce the pressure in the bone around the implant neck specially when bone is dense



1.25 Hex Driver

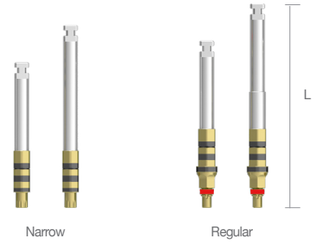
	Extra Short	Short	Long	Extra Long	
Code No.	*DRHDES125	DRHDS125	DRHDL125	*DRHD23125	*DRHD35125
L	5.8	10	15	23	35

※ Cover Screw, Abutment Screw, Healing Abutment 체결시 사용
* Option

No-Mount Driver

	Narrow (Short)	Narrow (Long)	Regular (Short)	Regular (Long)
Code No.	DSNDSS	DSNDSL	DSNDS	DSNDL
L	23.4	29.4	26.9	29.7

※ To place a fixture with a hand–piece



Ratchet Driver

	Narrow (Short)	Narrow (Long)	Narrow (Extra Long)	Regular (Short)	Regular (Long)	Regular (Extra Long)
Code No.	DSRDSS	DSRDSL	*DSRDSEL	DRMDSS	DRMDSL	*DRMDSEL
L	12.2	19.3	29.3	15.7	22.8	29.3

※ To place a fixture with a ratchet
* : Option

Probe Depth Gauge

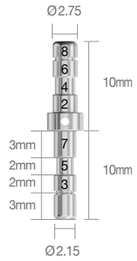
Code No.
DPDG

※ To verify the drilling depth or tissue volume

SQ Parallel Pin for Drill

Code No.
DSQPP

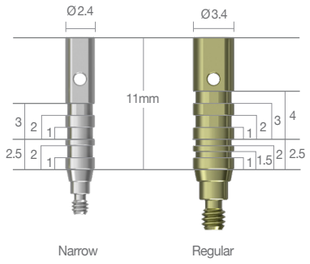
※ To evaluate the initial orientation of the pilot hoe after drilling



Path Guide Pin for SQ Fixture

	Narrow	Regular
Code No.	DSQPGPS	DSQPGPR

※To evaluate the path after fixture placement

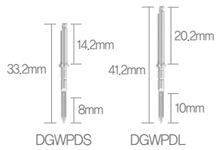


Torque Ratchet

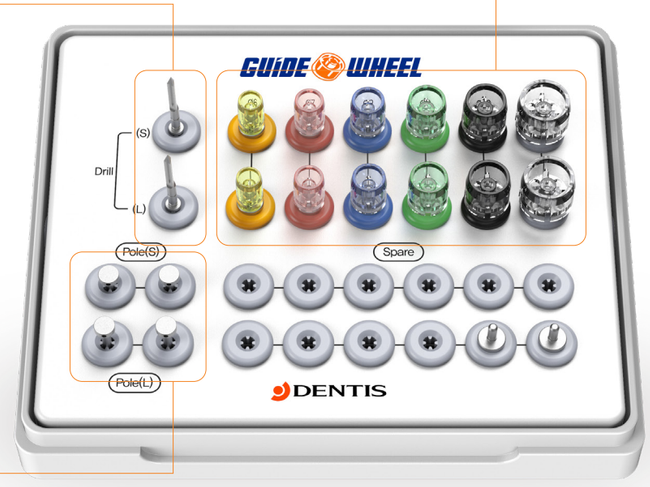
Code No.
DTR

※ to be used for the final manual seating of the implant.

Guide Wheel KIT



Guide Wheel Initial Drill | **Guide Wheel**



KIT Code : DGWK

Guide Pole

Guide Pin (Separate Purchase)