OSSTEM IMPLANT SYSTEM

2013 PRODUCT CATALOG

KIT

OSSTEM IMPLANT
Qualität schafft Vertrauen

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2013 PRODUCT CATALOG

KIT

for **KIT & GBR**

KIT

Contents | OSSTEM IMPLANT

KIT

OSSTEM HISTORY

2011

Dec Introduces and commences commercial production of K2 Unit & Chair
Nov Develops and begins commercial production of Smart Membrane
Oct Registers and obtains approval from Health Canada
Develops and begins commercial production of USII SA and 123 Kit
Sep Establishes subsidiary offices in Dacca , Bangladesh and Ho Chi Minh City, Vietnam [OSSTEM Bangladesh Ltd. and OSSTEM IMPLANT Vina Co., Ltd.]
Develops and begins commercial production of SSIII SA
Registers and obtains approval from the Ministry of Health and Society in Vietnam
Aug Establishes subsidiary offices in Manila, Philippines and Vancouver, Canada [OSSTEM Philippines Inc. and HiOssen Implant Canada Inc.]
Jul Develops and begins commercial production of CustomFit Abutment
Establishes subsidiary offices in Almaty, Kazakhstan [OSSTEM IMPLANT LLP]
Jun Develops and begins commercial production of TSII SA
Hosts 'OSSTEM World Meeting 2011 in Seoul'
Apr Develops and begins commercial production of LAS Kit
Establishes subsidiary offices in Jakarta, Indonesia [PT OSSTEM Indonesia]
Mar Establishes subsidiary offices in Guadalajara, Mexico [HiOssen de Mexico]
Feb Develops and begins commercial production of TSIV SA

2010

Nov Develops and begins commercial productions of SSII SA
Aug Develops and begins commercial productions of TSIII Ultra-wide
Jun Develops and begins commercial productions of TSIII HA and CAS Kit
Opens 'OSSTEM World Meeting 2010 in Beijing'
Apr Develops and begins commercial productions of Osstem Guide
Mar Develops and begins commercial productions of TSIII SA

2009

Oct Registers and obtains approval from Health, Labor and Welfare in Japan
May Hosts 'OSSTEM World Meeting 2009 in Bangkok'
Jan Certifies PEP7 (the world's first new Osseo-inductive compound)

2008

Nov Develops and begins commercial productions of SS Ultra-wide
Jun Develops and begins commercial productions of GSIII
Apr Holds 'OSSTEM World Meeting 2008 in Seou'
Mar Opens ATC Training Center
Jan Establishes OSSTEM Bone Science Institute

2007

Oct Establishes subsidiary offices in Sydney, Australia [Osstem Australia PTY Ltd.]
Jun Registers and obtains approval from the TGA in Australia
May Develops and begins commercial production of US Ultra-wide
Apr Hosts 'OSSTEM World Meeting 2007 in Seoul'
Begins commercial production of V-ceph

2007

Mar Develops and begins commercial production of MS
Lists on KOSDAQ (KRX: Korea Exchange)

2006

Dec Establishes subsidiary offices in Bangkok, Thailand and Kuala Lumpur,
Malaysia [OSSTEM Thailand Co., Ltd. and OSSTEM Malaysia SDN, BHD]
Nov Registers and obtains approval from the SFDA in China
Sep Establishes subsidiary office in Philadelphia, U.S.A [HiOssen Inc.]
Aug Establishes subsidiary offices in Beijing, China / Singapore and Hong Kong [OSSTEM China Co., Ltd. / OSSTEM Singapore Pte Ltd. and OSSTEM Hong Kong Ltd.]
Jul Establishes subsidiary office in Tokyo, Japan [OSSTEM Japan Corp.]
Apr Registers and obtains the GOST-R certification in Russia
Opens 'OSSTEM World Meeting 2006 in Seoul'
Publishes the 「2006 OSSTEM IMPLANT SYSTEM」 - Introduction and particulars of implant system
Jan Establishes the subsidiary offices in Moscow, Russia and Mumbai, India [OSSTEM LLC. and OSSTEM IMPLANT India Pvt Ltd.]

2005

Dec Registers and obtains approval by the DOH in Taiwan
Establishes the subsidiary office in Ashborn, Germany [OSSTEM Germany GmbH]
May Develops and begins commercial production of GSII
Apr Hosts 'OSSTEM World Meeting 2005 in Seoul'
Mar Obtains KGMP(Korean Good Manufacturing Practice) in Korea
Jan Establishes the subsidiary office in Taipei, Taiwan [OSSTEM Corporation]

2004

Nov Develops and begins commercial production of SSIII
Jul Develops and begins commercial production of USIII
Apr Opens 'OSSTEM World Meeting 2004 in Seou'

2002

Oct Develops and begins commercial production of SSII
Aug Registers and obtains approval by the FDA in the USA
Develops and begins commercial production of USII
Jan Establishes OSSTEM Implant R&D Center

2001

Mar Establishes AIC(Apsun Dental Implant Research & Education Center)
Jan Obtains CE-0434 certification

1999

Dec Obtains ISO-9001 certification

1997

Dec Begins commercial production under the brand name of OSSTEM
Jan Establishes OSSTEM IMPLANT Co., Ltd. in Seoul, Korea

1995

Develops dental implants and acquires industrial license

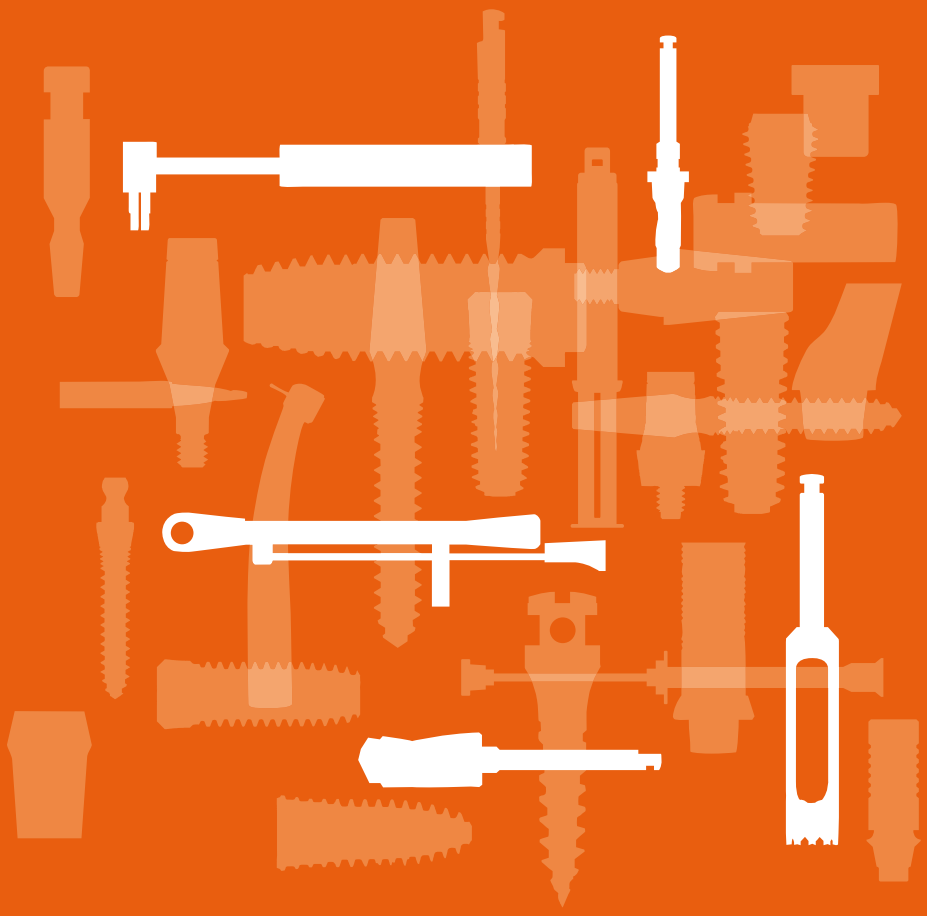
1992

Initiates the development of dental implant system

OSSTEM IMPLANT SYSTEM

KIT

Fixture and **Restorative Components**



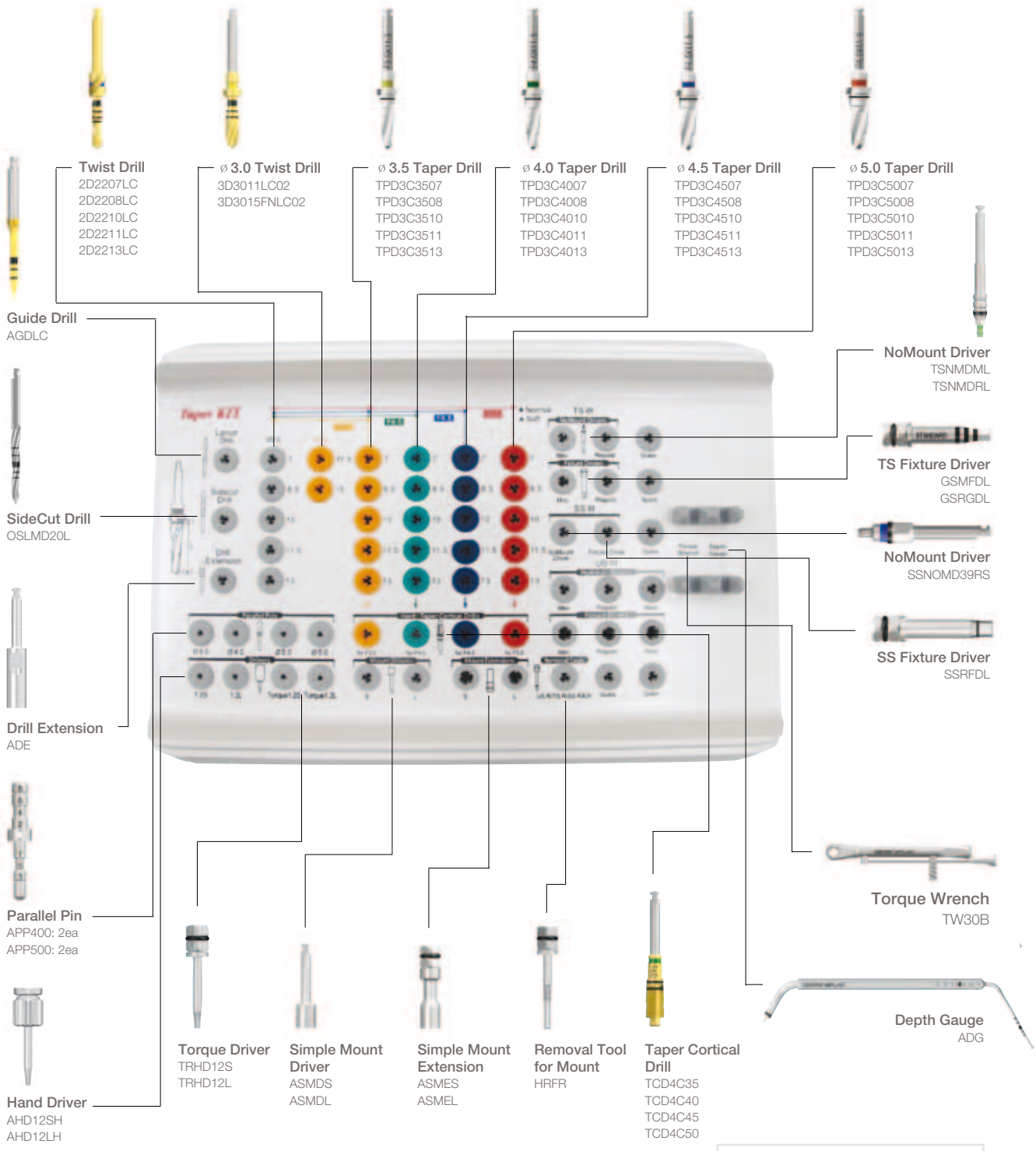
OSSTEM IMPLANT

Qualität schafft Vertrauen

Taper KIT (OTSK)

Use range (Use ■)

USII	SSII	GS/TSII	Ultra-wide	MS	OS
USIII	SSIII	GS/TSIII			



Twist Drill
2D2207LC
2D2208LC
2D2210LC
2D2211LC
2D2213LC

Ø 3.0 Twist Drill
3D3011LC02
3D3015FNLC02

Ø 3.5 Taper Drill
TPD3C3507
TPD3C3508
TPD3C3510
TPD3C3511
TPD3C3513

Ø 4.0 Taper Drill
TPD3C4007
TPD3C4008
TPD3C4010
TPD3C4011
TPD3C4013

Ø 4.5 Taper Drill
TPD3C4507
TPD3C4508
TPD3C4510
TPD3C4511
TPD3C4513

Ø 5.0 Taper Drill
TPD3C5007
TPD3C5008
TPD3C5010
TPD3C5011
TPD3C5013

Guide Drill
AGDLC

SideCut Drill
OSLMD20L

Drill Extension
ADE

Parallel Pin
APP400: 2ea
APP500: 2ea

Hand Driver
AHD12SH
AHD12LH

Torque Driver
TRHD12S
TRHD12L

Simple Mount Driver
ASMDS
ASMDL

Simple Mount Extension
ASMES
ASMEL

Removal Tool for Mount
HRFR

Taper Cortical Drill
TCD4C35
TCD4C40
TCD4C45
TCD4C50

NoMount Driver
TSNMDML
TSNMDRL

TS Fixture Driver
GSMFDL
GSRGDL

NoMount Driver
SSNOMD39RS

SS Fixture Driver
SSRFDL

Torque Wrench
TW30B

Depth Gauge
ADG

Open Wrench
ASOW
(Components of lower plate)

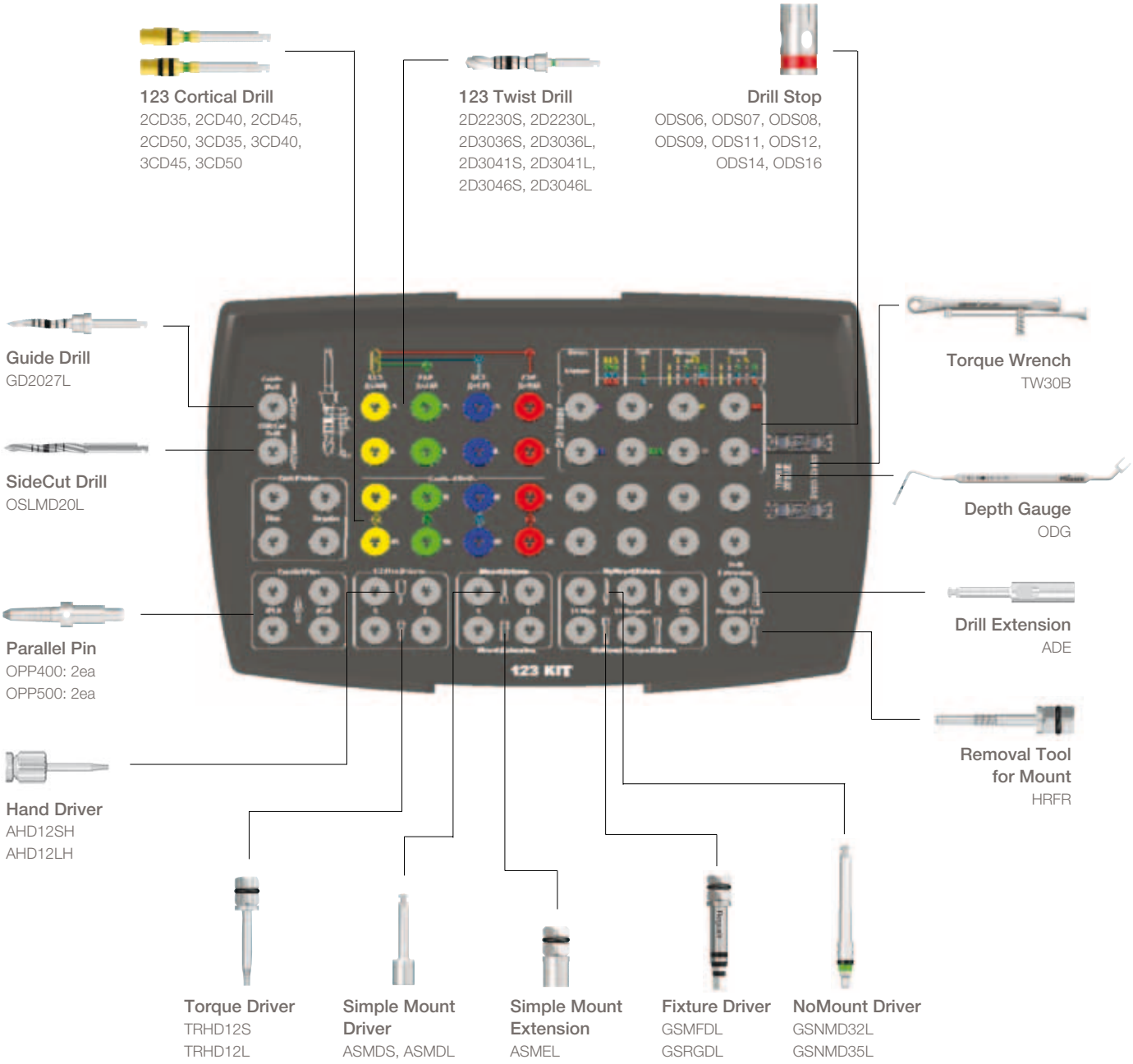
KIT

123 KIT (H123K)

Use range (Use ■)

TSII SA	SSII SA	USII SA	Ultra-wide	MS	OS
TSIII SA/HA	SSIII SA	USIII SA			

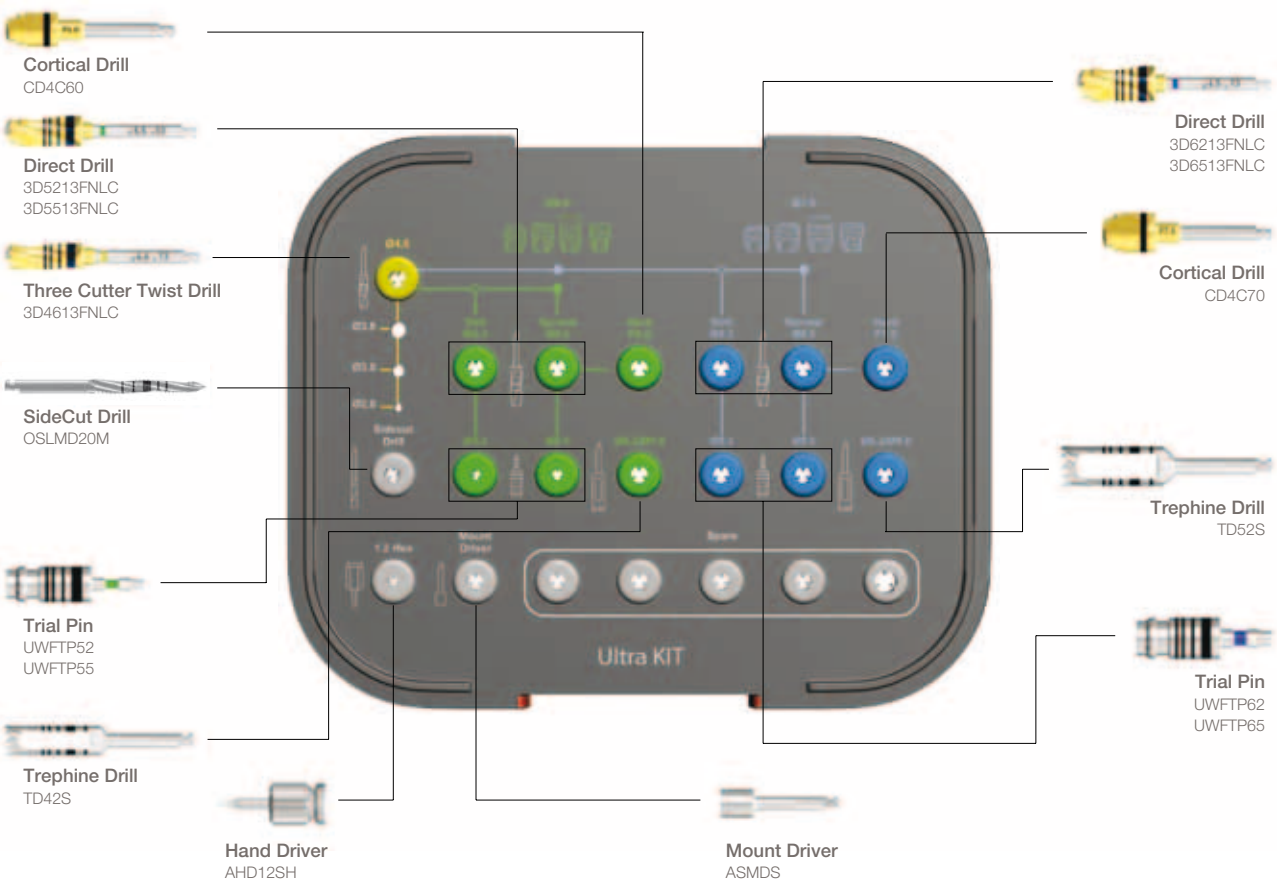
(* Use 123KIT for SA or HA surface-treated fixture only)



Ultra KIT (HULTRK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Open Wrench
ASOW
(Components of lower plate)

Taper Ultra KIT (HULTPK)

Use range (Use ■)

USII	SSII	TSII	II Ultra-Wide	MS	OS
USIII	SSIII	TSIII	III Ultra-Wide		

Open Wrench
ASOW

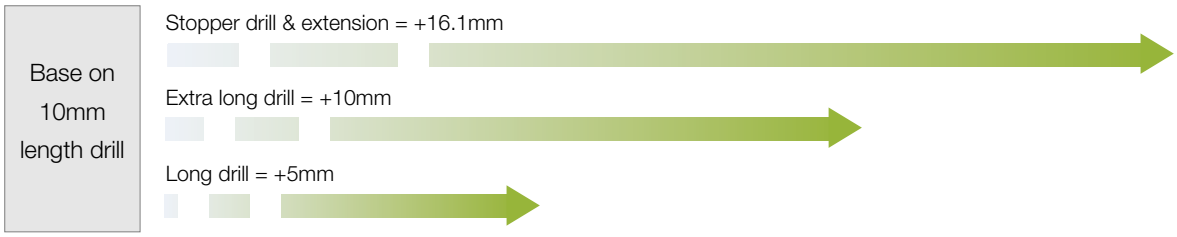
Ratchet Wrench
CITQW-1185A

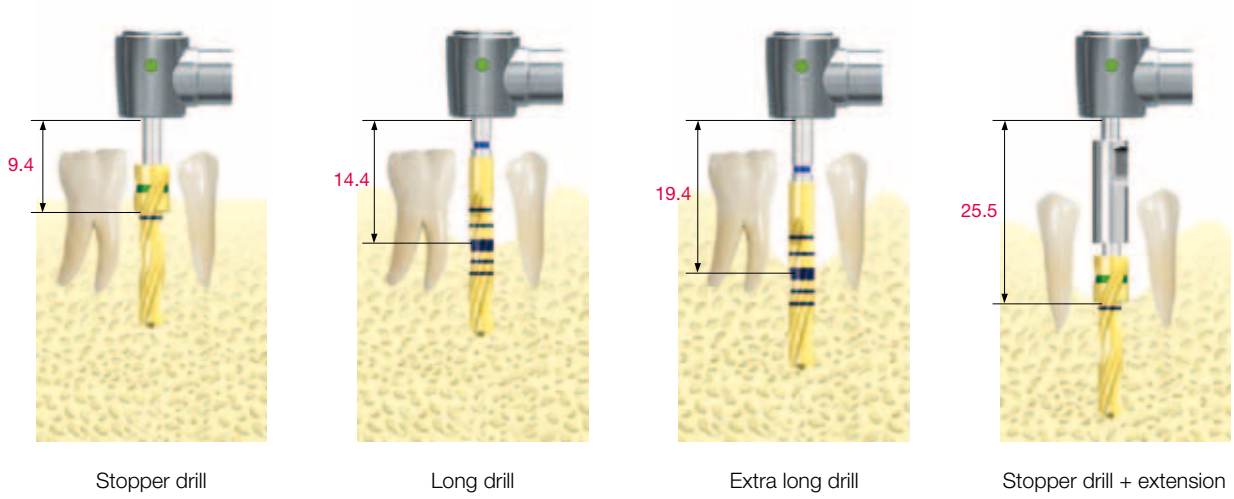
(Components of lower plate)

KIT

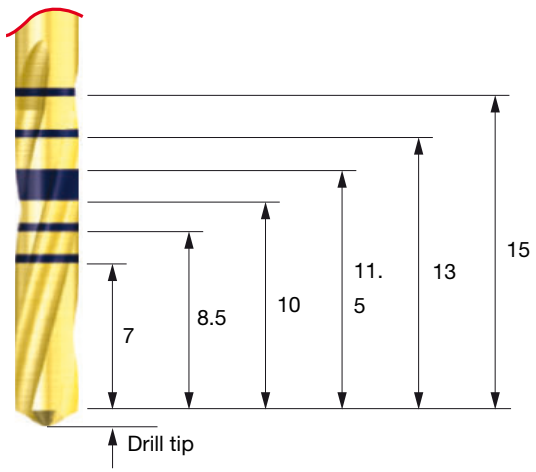
Surgical Instruments for OSSTEM IMPLANT

Drill selection tip according to anatomy condition





General length markings of OSSTEM equipment and the tip length of the twist drill



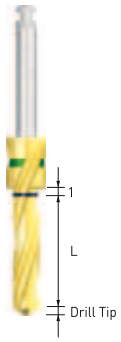
General length marks of OSSTEM tools
Based on the thick marking line (10 and 11.5mm), upper 13 and 15mm and lower 7 and 8.5mm positions are marked

Drill diameter	Drill tip size
ø 2.0mm	0.6mm
ø 2.7mm	0.8mm
ø 3.0mm	0.9mm
ø 3.3mm	1.0mm
ø 3.6mm	1.0mm
ø 3.8mm	1.0mm
ø 4.1mm	1.0mm
ø 4.3mm	1.0mm
ø 4.6mm	1.0mm

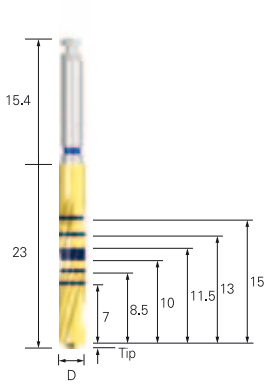
Surgical Instruments for OSSTEM IMPLANT

Twist Drills

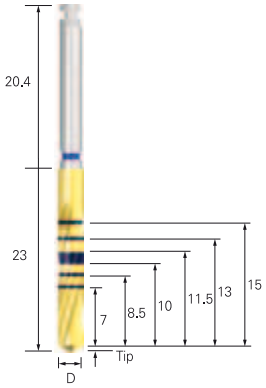
Stopper Drill



Long Drill



Extra Long Drill



Stopper Drill

L \ D	ø 2.0	ø 3.0	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
7	TDE2007LC	3D3007LC01	-	-	3D3807LC01	-	-	-
8.5	TDE2008LC	3D3008LC01	-	-	3D3808LC01	-	-	-
10	TDE2010LC	3D3010LC01	-	-	3D3810LC01	-	-	-
11.5	TDE2011LC	3D3011LC01	3D3311LC01	3D3611LC01	3D3811LC01	3D4111LC01	3D4311LC01	3D4611LC01
13	TDE2013LC	3D3013LC01	-	-	3D3813LC01	-	-	-

- Package unit : each part

- Long stopper (6 mm) : Posterior surgery may be performed even without drill extension
- The color coding on the stopper indicates the drill length
- The tip length of a 2.0 twist drill is 0.6 mm, and the other tip length of drills, 0.8mm~1mm

Long Drill

L \ D	ø 2.0	ø 2.7	ø 3.0	ø 3.15	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
13	TDE2013FNLC		3D3013FNLC				3D3813FNLC			3D4613FNLC
15	TDE2015FNLC	3D2715FNLC01	3D3015FNLC01	3D3115FNLC01	3D3315FNLC01	3D3615FNLC01	3D3815FNLC01	3D4115FNLC01	3D4315FNLC01	3D4615FNLC01

- Package unit : each part

- Cuts the stopper of a 15 mm drill to facilitate depth adjustment in the ridge
- The laser marking indicates the length, thereby enabling all drilling lengths (7-15 mm) using one drill
- Handles are color-coded to indicate drill length

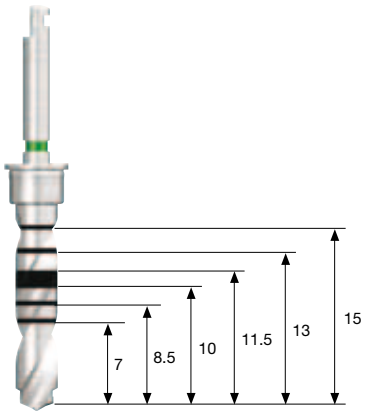
Extra Long Drill

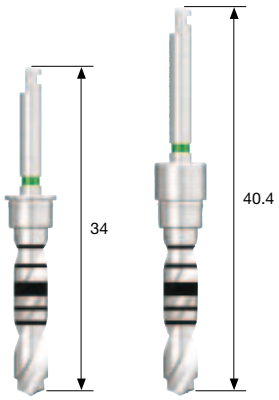
L \ D	ø 2.0	ø 2.7	ø 3.0	ø 3.15	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
	TDE2015FNEC	3D2715FNEC	3D3015FNEC	3D3115FNEC	3D3315FNEC	3D3615FNEC	3D3815FNEC	3D4115FNEC	3D4315FNEC	3D4615FNEC

- Package unit : each part

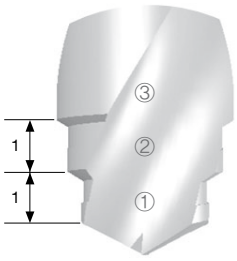
- For sufficient intermaxillary gap as in the anterior part, drilling may be performed even without drill extension
- The laser marking indicates the length, thereby enabling all drilling lengths (7-15 mm) using one drill
- Handles are color-coded to indicate drill length

123 Twist Drill





Short Long



123 Drill diameter

①/ ②/ ③	ø 2.2/3.0	ø 3.0/3.6	ø 3.0/3.6/4.1	ø 3.0/4.1/4.6
Short	2D2230S	2D3036S	2D3041S	2D3046S
Long	2D2230L	2D3036L	2D3041L	2D3046L
Coloring	Yellow	Green	Blue	Red
Y-Dim.	0.7mm			

- Packing unit: each part

- The color of 123drill handle part means the diameter and kind of main fixture to be used
  - Yellow: F3.5, Green: F4.0, Blue: F4.5, Red: F5.0
- Install the drill stop in order to adjust the drilling depth to intended level
- 123 twist drill has good cutting force and control of drilling depth may be difficult; therefore, it is highly recommended to use the drill stop

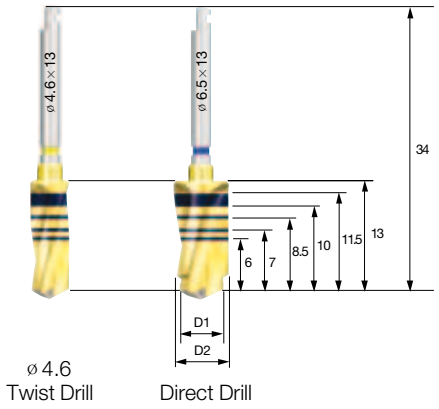
123 Drill Stop

	ODS06	ODS07	ODS08	ODS09	ODS11	ODS12	ODS14	ODS16
L(mm)	6.2	7	8	9.5	11	12.5	14	16
Coloring	Purple	White	Yellow	Red	Blue	Green	Black	Purple

- Packing unit: each part

- The length of drill stop means the remained actual length when the drill stop is installed on 123 twist drill
- The lengths are differentiated with colors for convenient identification of lengths and return to KIT

Drill for Ultra-Wide



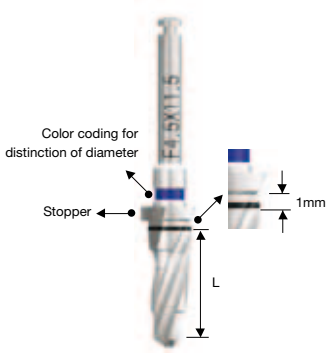
ø 4.6
Twist Drill

Direct Drill

Name	D1	D2	Code
Ø 4.6 Twist Drills	Ø 4.6	-	3D4613FNLC
Ø 5.2 Direct Drill	Ø 4.6	Ø 5.2	3D5213FNLC
Ø 5.5 Direct Drill	Ø 4.6	Ø 5.5	3D5513FNLC
Ø 6.2 Direct Drill	Ø 5.5	Ø 6.2	3D6213FNLC
Ø 6.5 Direct Drill	Ø 5.5	Ø 6.5	3D6513FNLC

- Direct drill: 2-stepped drill equipped with both pilot and twist drill function
  1. Enables final drilling without pilot drilling
  2. Enhancement of initial fixation in the extract socket by decreasing the dead space at the apex area

Taper Drill

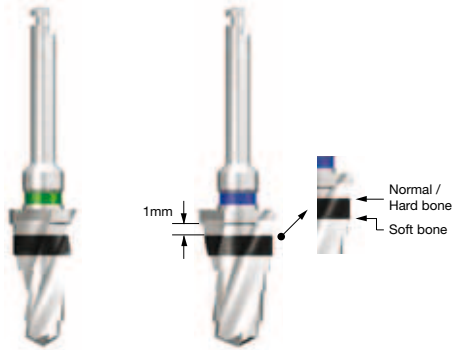


L \ Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
7	TPD3C3507	TPD3C4007	TPD3C4507	TPD3C5007
8.5	TPD3C3508	TPD3C4008	TPD3C4508	TPD3C5008
10	TPD3C3510	TPD3C4010	TPD3C4510	TPD3C5010
11.5	TPD3C3511	TPD3C4011	TPD3C4511	TPD3C5011
13	TPD3C3513	TPD3C4013	TPD3C4513	TPD3C5013
15	TPD3C3515	TPD3C4015	TPD3C4515	TPD3C5015
Length of Drill Tip	0.8mm	0.9mm	1.0mm	1.0mm

- Packing Unit : each part

- Processing exclusive use Taper Drill for III fixture diameter and length
- Stopper drill with 1mm margin
- Color coding on the shank indicates the fixture diameter
  (ø 3.5:Yellow, ø 4.0:Green, ø 4.5:Blue, ø 5.0:Red)

Taper Ultra Drill



ø 6.0

ø 7.0

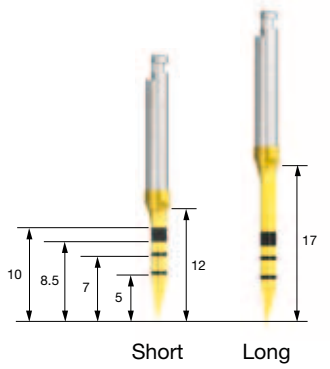
L \ Spec.	ø 6.0	ø 7.0
6	TPD3C6006	TPD3C7006
7	TPD3C6007	TPD3C7007
8.5	TPD3C6008	TPD3C7008
10	TPD3C6010	TPD3C7010
11.5	TPD3C6011	TPD3C7011
13	TPD3C6013	TPD3C7013

- Packing Unit : each part

- Processing exclusive use Taper Drill for Taper Ultra-Wide fixture diameter and length
- Stopper drill with 1mm margin
- Color coding on the shank indicates the fixture diameter
  (ø 6.0 : Green, ø 7.0 : Blue)

Surgical Instruments for OSSTEM IMPLANT

Lance Drill: Guide Drill

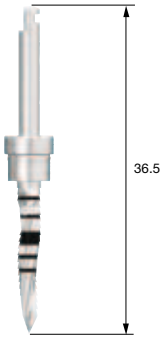


Type		Code
Lance Drill	Short	AGDSC
	Long	AGDLC

- Packing Unit : each part

- Forms holes in the bone to facilitate initial drilling
- Bone density can be determined through drilling
- TiN coating improves anti-corrosion and wear resistance

Guide Drill

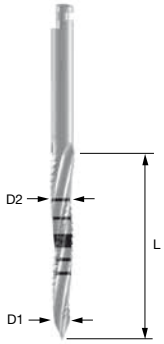


	ø 2.0
Code	GD2027L

- Packing Unit : each part

- Used as the initial drill
- Install the drill stop in order to adjust the drilling depth to intended level

Sidecut Drill

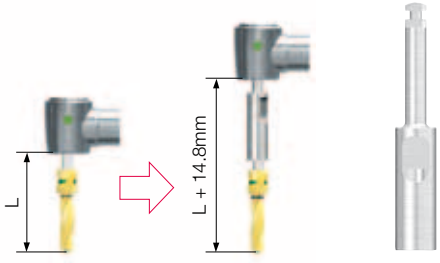


	D1	D2	L
OSLMDS	1.5	2.0	13.0
OSLMDL	1.5	2.0	20.0
OSLMD20S	2.0	2.5	13.0
OSLMD20L	2.0	2.5	20.0

- Packing Unit : each part

- Enables the bodily change of drilling direction
- Used to cut the ridge of the extracted socket
- Facilitates site preparation in the extracted socket

Drill Extension



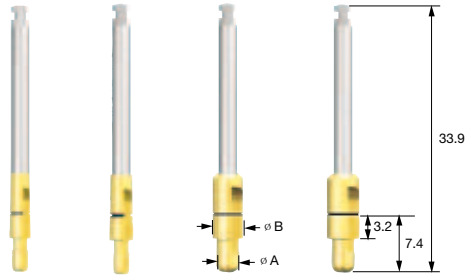
14.8mm extension of drill length in case of using drill extension

Code	ADE

- Packing Unit : each part

- Extends the length a drill and other hand tools
- Insertion into an O-ring offers a holding function
- Use by connecting the flat side of the drill handle to the flat side of the drill extension
- The use of too much force is prohibited

Long Shank Pilot Drill

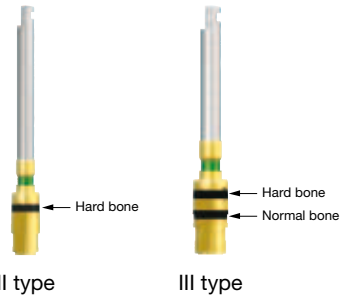


ø A	ø B	Mini	Regular	Wide
2.0	2.7	APD270C	-	-
2.0	3.0	-	APD300C	-
3.0	3.8	-	-	APD380C
3.0	4.1	-	-	APD410C

- Packing Unit : each part

- Used for the path adjustment of a drilling hole
- When using the next size drill, the guide hole enables precise cutting
- TiN coating improves anti-corrosion and wear resistance

123 Cortical Drill



	F3.5	F4.0	F4.5	F5.0
II type	2CD35	2CD40	2CD45	2CD50
III type	3CD35	3CD40	3CD45	3CD50
Coloring	Yellow	Green	Blue	Red

- Packing Unit : each part

- It is recommended to drill up to the lower end of the marking line
- The marking line of II type cortical drill is based on hard bone
- The lower end marking line of III type cortical drill is based on normal bone and the upper end marking line is based on hard bone
- The color of handle part means the diameter and kind of main fixture to be used
  - Yellow: F3.5, Green: F4.0, Blue: F4.5, Red: F5.0

Cortical Drill 2 for TSII, SSII SA

Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	CD2C35	CD2C40	CD2C45	CD2C50

- Packing Unit : each part

- Use after formation of final drill hole in case of hard bone(D1)
- Exclusive drills are available to meet the fixture diameters
- It is recommend that drilling performs up to under marking line

Cortical Drill 3 for Taper Fixture (TSIII, SSIII, USIII)

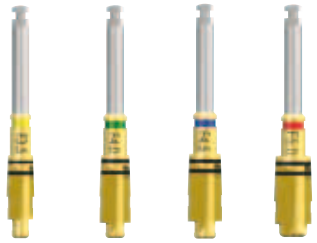
Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	CD4C35	CD4C40	CD4C45	CD4C50

- Packing Unit : each part

- Drills for expansion of cortical bone after use of straight drill
- Use after formation of final drill hole in case of more than normal bone
- Exclusive drills are available to meet the fixture diameters
- The lowest marking line is normal bone and the highest marking line is hard bone
- It is recommend that drilling performs up to marking line

Surgical Instruments for OSSTEM IMPLANT

Taper Cortical Drill for Taper Fixture (TSIII, SSIII, USIII)



Spec.	ø 3.5	ø 4.0	ø 4.5	ø 5.0
Code	TCD4C35	TCD4C40	TCD4C45	TCD4C50

- Packing Unit : each part

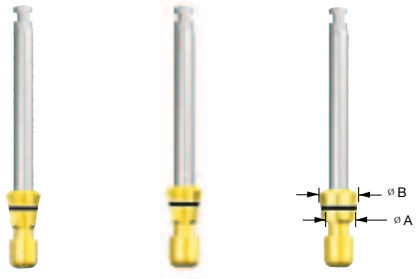
- Drills for expansion of cortical bone after use of taper drill
- Use after formation of final drill hole in case of more than hard bone
- Exclusive drills are available to meet the fixture diameters
- Lower end marking line is based on 8.5mm or smaller fixture implant
  Upper end marking line is based on 10mm or larger fixture implant
- It is recommend that drilling performs up to the bottom marking line

Cortical Drill for Ultra-Wide®

Name	Code
F6.0 Cortical Drill	CD4C60
F7.0 Cortical Drill	CD4C70

- Use after formation of final drill hole in case of hard bone(D1)
- Exclusive drills are available to meet the fixture diameters
- It is recommend that drilling performs up to the bottom marking line

Long Shank Countersink for SSII RBM

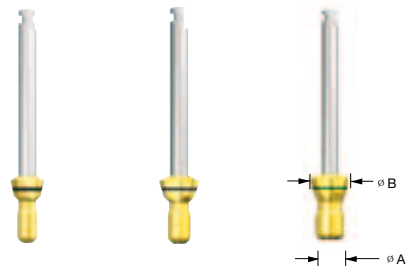


ø A	ø B	Regular ø 4.1	Regular ø 4.8	Wide ø 4.8
3.5	4.8	ASCD350C	-	-
4.2	4.8	-	ASCD420C	-
4.2	6.0	-	-	ASCDW420C

- Packing Unit : each part

- Form fixture platform
- Cut up to the bottom of the laser marking
- Use US Mini Countersink for SS Mini as needed

Long Shank Countersink for USII RBM



ø A	ø B	Mini	Regular	Wide
2.6	3.5	ACD330C	-	-
2.9	4.1	-	ACD375C	
4.2	5.1	-	-	ACD500C

- Packing Unit : each part

- Form space of fixture flange
- Cut up to the bottom of the laser marking

Countersink for USIII, USII SA, USIII SA(Wide PS, Wide)

Code	USSCS45W

- Packing Unit : each part

- Instruments for Wide PS, Wide of USIII, USII SA, USIII SA
- Recommendation drilling rpm : 300rpm

Surgical Tap for SSII RBM

Short Long

Platform	ø 4.8	ø 4.8	ø 6.0
Type \ D	ø 4.1	ø 4.8	
Short	OSST41SC	OSST48SC	
Long	OSST41LC	OSST48LC	

- Packing Unit : each part

- Use for dense bone and form screw thread-shaped fixtures
- Use a torque wrench after connecting to the engine or mount extension
- TiN coating improves anti-corrosion and wear resistance

Surgical Tap for USII RBM

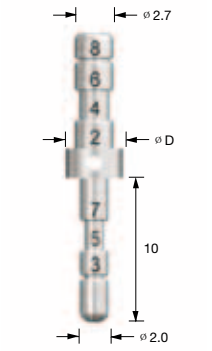
Short Long

Type \ D	3.3	3.75	4.0	5.0
Short	-	OUST37SC	OUST40SC	OUST50SC
Long	OUST33LC	OUST37LC	OUST40LC	-

- Packing Unit : each part

- Use for dense bone and form screw thread-shaped fixtures
- Use as a torque after connecting to the engine or a simple mount extension
- TiN coating improves anti-corrosion and wear resistance

Parallel Pin



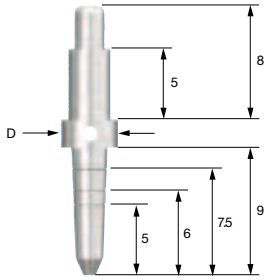
Diameter(ø)	Code
ø 4.0	APP400
ø 5.0	APP500
ø 6.0	APP600
Full Set	APPS

- Packing Unit : Individual and general set packing

- Use for checking the direction and location for bone preparation
- Predicts the diameter of an abutment to be secured

Surgical Instruments for OSSTEM IMPLANT

Parallel Pin for 123 drill

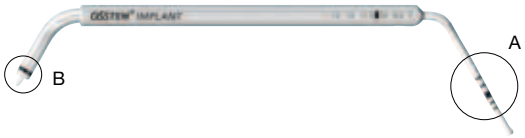


D	ø 4.0	ø 5.0
Code	OPP400	OPP500

- Packing Unit : each part

- Parallel Pin 123 Twist Drill only
- Use for checking the direction and location for bone preparation
- Use the lower part for initial drilling and higher part for F3.5 (ø 2.2/3.0) drilling

Depth Gauge



Code	ADG

- Packing Unit : each part

- A : Measurement of drilling length (7-15 mm)
- B : Measurement of gingival height following external fixture grafting

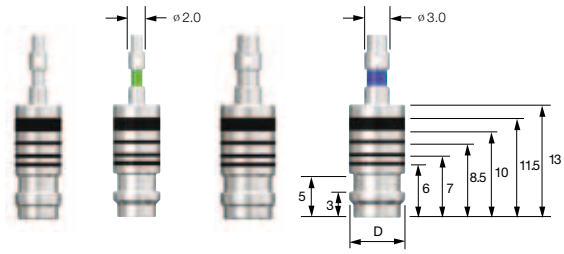
Depth Gauge

Code	ODG

- Packing Unit : each part

- Use as drilling depth measurement and open wrench
- Use for separating Mount in case of soft bone

Trial Pin for Ultra-Wide

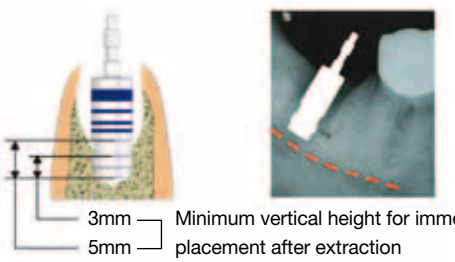


ø 5.2 Trial Pin | ø 5.5 Trial Pin | ø 6.2 Trial Pin | ø 6.5 Trial Pin

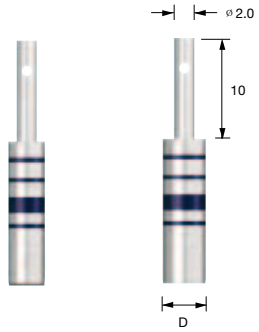
Diameter(D)	ø 5.2	ø 5.5	ø 6.2	ø 6.5
Code	UWFTP52	UWFTP55	UWFTP62	UWFTP65

- Packing Unit: each part

- Check internal width and depth after extraction of a tooth
- Check the drilling depth after using direct drill as final drill
- Verify the internal diameter of the failed implant socket.
- The purpose of Parallel Pin



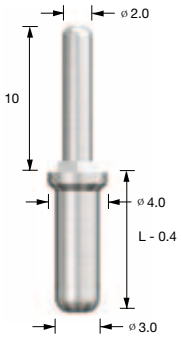
Depth Gauge Pin for SSII RBM



Diameter(ø)	ø 3.6	ø 4.3
Code	ASDG360	ASDG430

- Packing Unit : each part
- Measure the depth after the final drilling

Depth Gauge Pin for USII RBM



Length(mm)	Code
7	ADP607
8.5	ADP608
10	ADP610
11.5	ADP611
13	ADP613
15	ADP615
Full Set	ADP600

- Packing Unit : Individual and general set packing
- It is enable to check the drilling depth easily due to convenient design of top part

Positioning Guide

Width(mm)	Code
2.5	APG201
6	APG202
11	APG203

- Packing Unit : Individual and general set packing
- Indicates the distance between fixtures
- Use after the first drilling (2.0)

Surgical Instruments for OSSTEM IMPLANT

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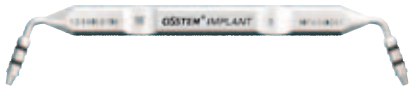
Tissue Height Gauge for TS



Code	GTHGS

- Packing Unit: each part

- Measurement gingival height for selecting optimal abutment
- Non gloss treatment for improving identification

Torque Wrench: Bar type

Code	TW30B

- Packing Unit: each part

- Possibility of loading 10, 20, 30 and infinite Ncm
- Used to adjust the installation location of implants or to tighten abutments or screws
- The last line is approx. 40 Ncm
- Torque is applied to the center of the bar, which will be generated by pulling the bar
- The product should be cleaned after use, and then sterilized for storage

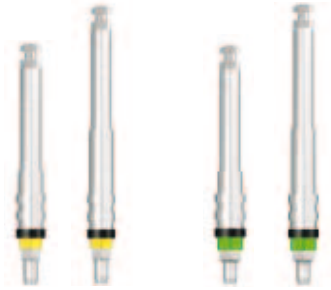
Ratchet Wrench

Code	CITQW-1185A

- Packing Unit: each part

- Only surgical unlimited wrench
  (If excessive torque is applied, the inside of bone or fixture may be damaged.)
- Rotating direction is marked by an arrow for convenient identification

NoMount Driver for TS



Short Long (Mini) Short Long (Regular)

Type	Mini	Regular
Short	GSNMD32S	GSNMD35S
Long	GSNMD32L	GSNMD35L

- Packing Unit: each part

- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1-mm (1-6 mm) intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during the surgery

NoMount Driver for SS

Short Long

Type	Regular	Wide
Short	SSNOMD39RS	
Long	SSNOMD39RL	

- Packing Unit: each part

- Since the shape is similar to that of the internal fixture driver, even a high torque does not change the inside of the fixture
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery

NoMount Driver for US

Short Long (Mini) Short Long (Regular) Short Long (Wide)

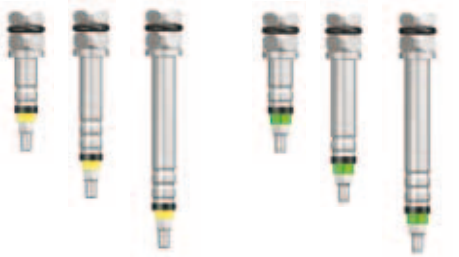
Length \ Type	Mini	Regular	Wide
Short	USNMD35MS	USNMD41RS	USNMD51WS
Long	USNMD35ML	USNMD41RL	USNMD51WL

- Packing Unit: each part

- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1-mm (1-5 mm) intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during the surgery

Surgical Instruments for OSSTEM IMPLANT

NoMount Torque Driver for TS



Short Long Extra Long (Mini) Short Long Extra Long (Regular)

Type	Mini	Regular
Short	GSNMT32S	GSNMT35S
Long	GSNMT32L	GSNMT35L
Extra Long	GSNMT32E	GSNMT35E

- Packing Unit: each part

- To enable the simultaneous measurement of gingival height upon treatment, grooves and laser markings are indicated at 1mm intervals
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery
- The fracture strength : 260Ncm
- If excessive implant torque is applied, fracture may be resulted in; if unnecessary large implant torque is expected, use a fixture driver. Also, imperfect installation may result in fracture at the strength under fracture strength; therefore, perfect installation should be checked before use
- Special attention should be paid; after occurrence of a fracture, restoration is impossible

NoMount Torque Driver for SS

Short Long

Type	Regular	Wide
Short	SSNMT39S	
Long	SSNMT39L	

- Packing Unit: each part

- Since the shape is similar to that of the internal fixture driver, even a high torque does not change the inside of the fixture
- Stopper designed for the prevention of fracture of the holding part and occurrence of foreign matter such as blood stain during surgery
- The fracture strength : 260Ncm
- If excessive implant torque is applied, fracture may be resulted in; if unnecessary large implant torque is expected, use a fixture driver. Also, imperfect installation may result in fracture at the strength under fracture strength; therefore, perfect installation should be checked before use.
- Special attention should be paid; after occurrence of a fracture, restoration is impossible.

Fixture Driver for TS

Short Long Extra Long (Mini) Short Long Extra Long (Regular)

Type	Mini	Regular
Short	GSMFDS	GSRFDS
Long	GSMFDL	GSRFDL
Extra Long	GSMFDE	GSRFDE

- Packing Unit: each part

- Fixture connection
- Use to place or remove a fixture after the separation of the mount

Fixture Driver for SS

Short Long

Plaftorm(ø)	Regular	Wide
Short	SSRFDS	
Long	SSRFDL	

- Packing Unit: each part

- The laser marking is designed for checking during the connection of a fixture
- Use for removal following fixture grafting and mount separation

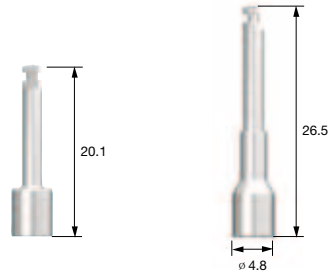
Fixture Driver for US

Platform(ø)	Mini	Regular	Wide
Code	USMFDL	USRFDL	USWFDL

- Packing Unit: each part

- The laser marking is designed for easy identification during the connection of fixtures
- Use for removal following fixture grafting and mount separation

Simple Mount Driver



Short Long

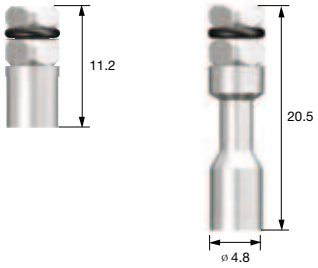
Length	Code
Short	ASMDS
Long	ASMDL

- Packing Unit: each part

- Use for fixture grafting by connecting to a simple mount
- Compact design, internal holding function

Surgical Instruments for OSSTEM IMPLANT

Simple Mount Extension



Short Long

Length	Code
Short	ASMES
Long	ASMEL

- Packing Unit: each part
- Use for extension of simple mount length, and use in case of inputting hand-torque by connecting with ratchet wrench.

Simple Open Wrench

Code	ASOW

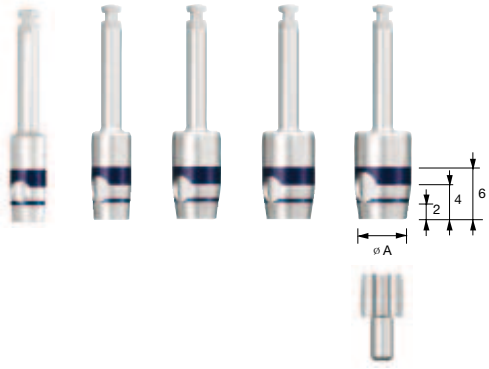
- Packing Unit: each part
- For weak bone, use to separate the simple mount
- 30˚ neck angle enhances convenience of insertion in the oral cavity

Removal Tool for Fixture Mount

Code	Application
ERFM	US Mini, TS Mini
HRFR	US Regular, SS Regular/Wide, TS Regular
ERFW	US Wide

- Packing Unit: each part
- When a fixture and the fixture mount are stuck, use after removing the fixture mount screw
- Use after the connection to a driver handle and a torque wrench
- Insert vertically and rotate clockwise

Tissue Punch



Tissue Punch	A	ø 3.3	ø 3.8	ø 4.3	ø 4.8	ø 5.3
	Code	OSTP33	OSTP38	OSTP43	OSTP48	OSTP53
Application Healing Abutment Standard	TS	ø 4.0/ ø 4.5	ø 4.5/ ø 5.0	ø 5.0	ø 6.0	ø 6.0
	SS	-	ø 4.8	-	ø 6.0	ø 6.0
	US	ø 4.0	ø 5.0	ø 5.0	ø 6.0	ø 6.0
	It is recommended to use the tissue punch that has the diameter smaller than that of healing abutment by 0.7~1.5mm.					

- Packing Unit: Tissue Punch + Guide Pin

- Tool to be used for flapless surgery
- The laser marking at 2-mm intervals enables the measurement of gingival height

TS Bone Profiler

Connection	Healing abutment dia.	Bone Profiler type		Guide Screw	
Mini & Regular	ø 4.5		GSBP45	Mini Connection	
	ø 5.5		GSBP55		
	ø 6.5		GSBP75	Regular Connection	
	ø 7.5				

- Packing Unit : Bone Profiler + Guide Screw

- Use to remove the bone around the fixture during the first or second surgery
- It is used for compensation of the shape of healing abutment by eliminating the bone after connection of guide screw with the fixture
- The guide screw protects the morse taper of the fixtures

Surgical Instruments for OSSTEM IMPLANT

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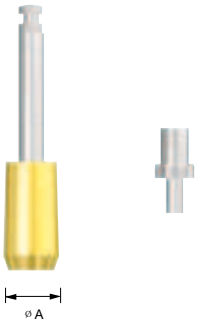
US Bone Profiler

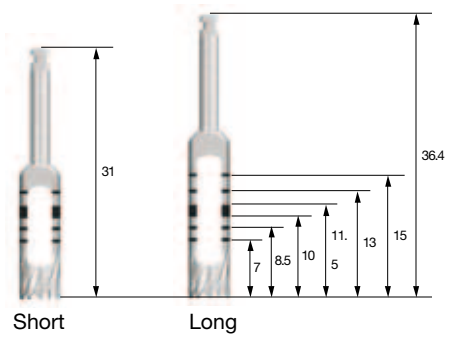


	Platform(ø)			
ø A	Mini	Regular	Wide	T-type
4	ABPM400C	-	-	-
5	ABPM500C	ABPR500C	-	-
6	-	ABPR600C	ABPW600C	TBPW600C
7	-	-	ABPW700C	-

- Packing Unit : Bone Profiler + Guide Screw

- Use to remove the bone generated around the cover screws during the second surgery
- After removing the cover screws, connect the guide screw to the fixtures and use for the angle compensation of the healing abutments
- The guide screw protects the hex of the fixtures
- TiN coating improves anti-corrosion and wear resistance

Trephine Drill

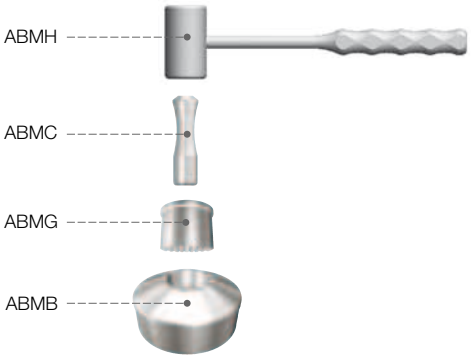


Code	Inner Dia.(ø)	Outer Dia.(ø)	Length
TD37S	3.7	4.5	Short
TD42S	4.2	5.0	Short
TD47S	4.7	5.5	Short
TD52S	5.2	6.0	Short
TD62S	6.2	7.0	Short
TD37	3.7	4.5	Long
TD42	4.2	5.0	Long
TD47	4.7	5.5	Long
TD52	5.2	6.0	Long
TD62	6.2	7.0	Long

- Packing Unit: each part

- Use for the collection of bone or removal of damaged or failed fixtures
- Use for removal of Septal bone
- Trephine drill can be used as initial drill when to implant Ultra Fixture

Bone Mill



Code	ABM

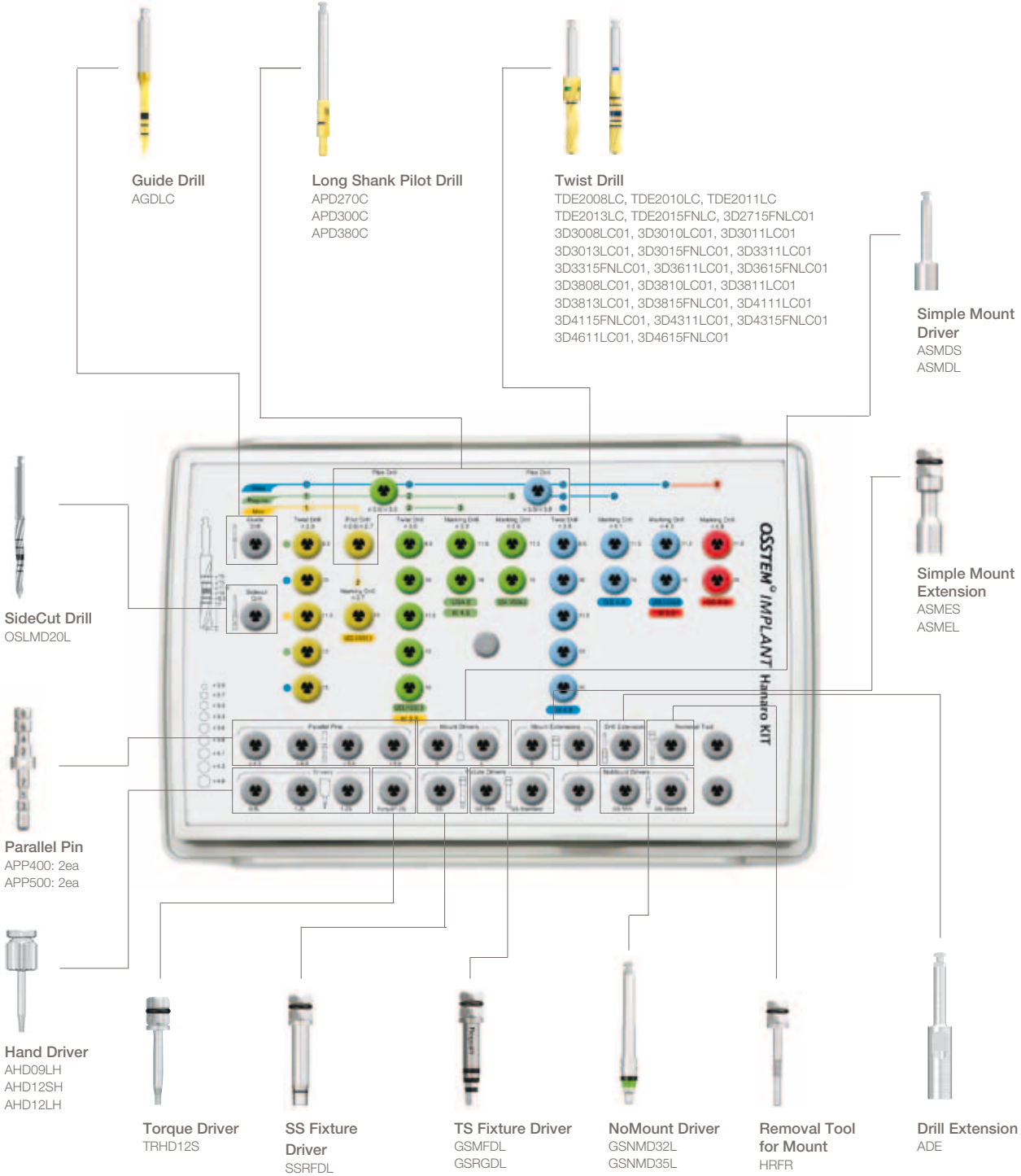
- Packing Unit: each part

- Forms particulate bone using the collected autogenous bone

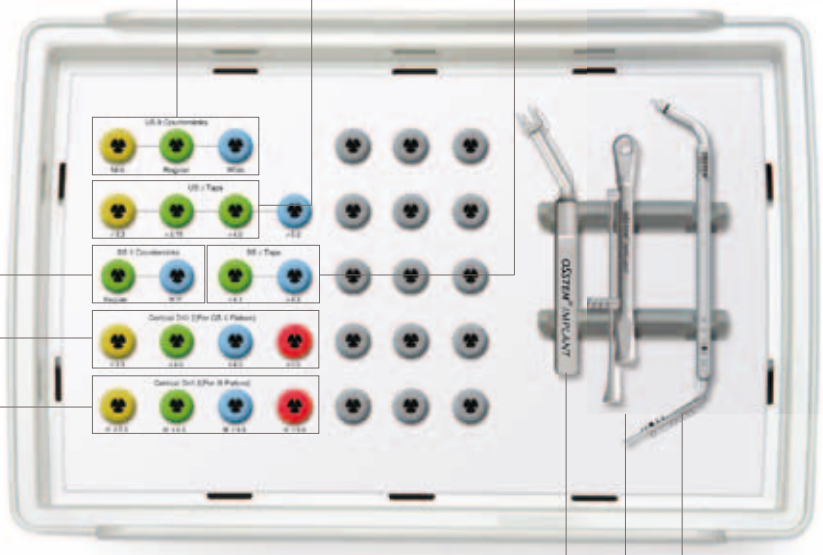
New Hanaro KIT (HKA2)

Use range (Use ■)

USII	SSII	GS/TSII	Ultra-wide	MS	OS
USIII	SSIII	GS/TSIII			



KIT



US II Long Shank Countersink
ACD330C
ACD375C
ACD500C

US II Surgical Tap
OUST33LC
OUST37SC
OUST40SC
OUST50SC

SS II Surgical Tap
OSST41SC
OSST48SC

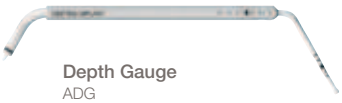
SS II Long Shank Countersink
ASCD350C
ASCDW420C

Cortical Drill 2
CD2C35
CD2C40
CD2C45
CD2C50

Cortical Drill 3
CD4C35
CD4C40
CD4C45
CD4C50

Open Wrench
ASOW

Torque Wrench
TW30B

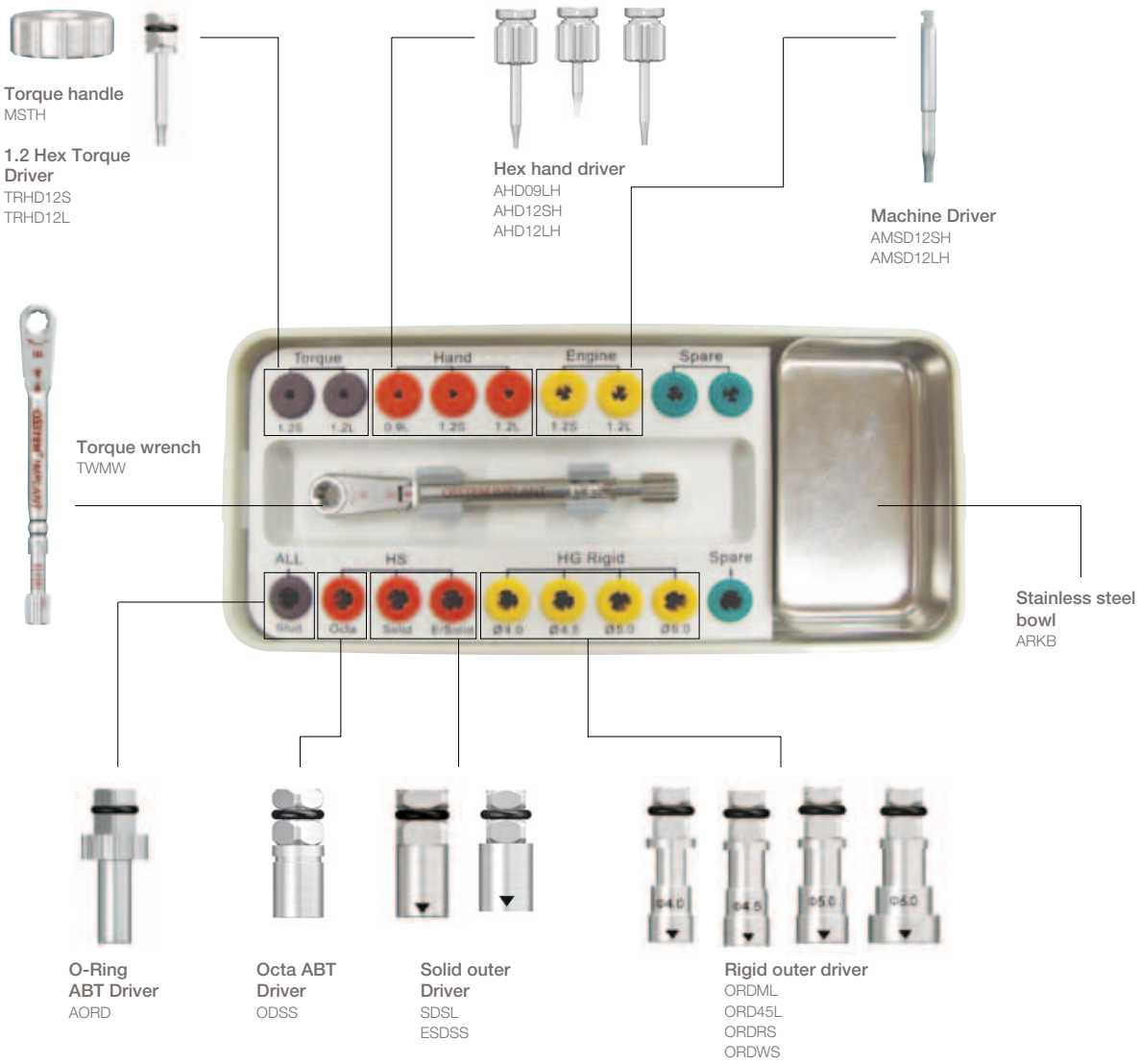


Depth Gauge
ADG

Prosthetic KIT (OPK)

Use range (Use)

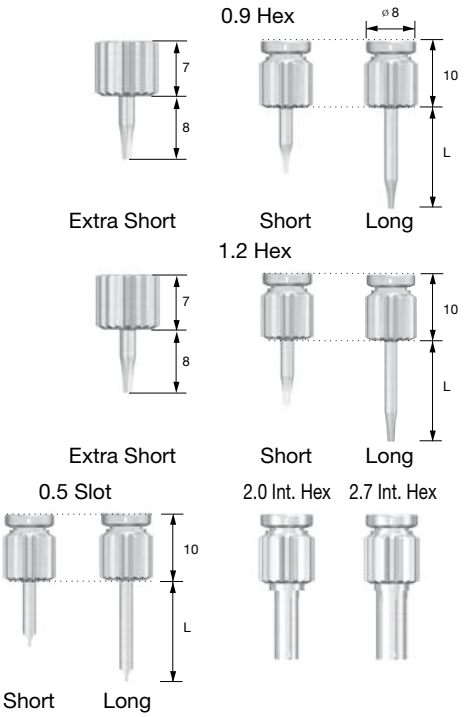
USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



KIT

Prosthetic Tools for OSSTEM IMPLANT

Hand Driver

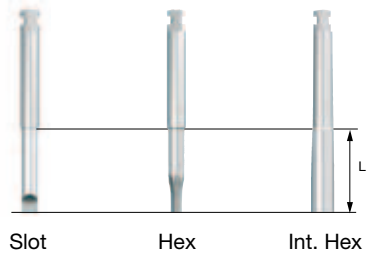


Type	Extra Short	Short	Long	Application
L	8	10.3	15.5	-
0.5Slot	-	ASD05SH	ASD05LH	-
0.9Hex	AHD09MSH	AHD09SH	AHD09LH	Cover Screw (US Mini)
1.2Hex	AHD12MSH	AHD12SH	AHD12LH	Healing Abutment,UCLA, CementedAbutment Screw, Mount Screw
2.0 Int. Hex	-	IHD20H		Esthetic Abutment Screw Regular Esthetic-low Abutment Screw, Standard
2.7 Int. Hex	-	IHD27H		Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Manual driver
- Tip holding function (note: excluding Int. Hex Type)
- Int. Hex L is 11

Machine Screw Driver



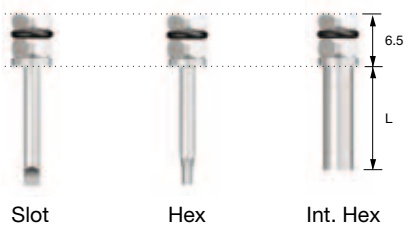
Type	Short	Long	Extra Long	Applicatation
L(Slot)	7	11	-	-
L(Hex)	5	9	15	
0.5Slot	AMSD05S	AMSD05L		-
0.9Hex	AMSD09S	AMSD09L		Cover Screw (US Mini)
1.2Hex	AMSD12S	AMSD12L	AMSD12E	Healing Abutment, UCLA, Cemented Abutment Screw, Mount Screw
2.0Int. Hex	EIHD20			Esthetic Abutment Screw Regular Esthetic-low Abutment Screw, Standard
2.7Int. Hex	EIHD27			Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Machine screw driver
- Tip holding function (note: excluding Int. Hex Type)
- Int. Hex L is 8

Prosthetic Tools for OSSTEM IMPLANT

Torque Driver

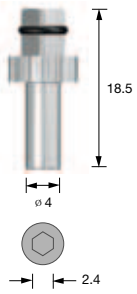


Type	Short	Long	Extra Long	Application
L	9.5	15	25	-
0.5Slot	TRSD05S	TRSD05L	TRSD05E	-
0.9Hex	TRHD09S	TRHD09L	-	Cover Screw(US Mini)
1.2Hex	TRHD12S	TRHD12L	TRHD12E	Healing Abutment, UCLA,Cemented Abutment Screw, Mount Screw
2.0Int. Hex	TIHD20S	TIHD20L	-	Standard/ Esthetic Abutment Screw, Regular Esthetic-low Abutment Screw
2.7Int. Hex		TIHD27		Wide Esthetic-low Abutment Screw

- Packing Unit: each part

- Driver for torque wrench connection
- No tip holding function
- Fracture strength: 62Ncm
- Recommended torque should be observed.
  Caution: Fracture occurs, in case excessive torque is applied.
- When applying torque, check that the screw hex is completely installed.
  Application of torque with imperfect installation may result in a fracture at the strength under fracture strength.
- Torque should be applied vertically. (Do not tilt the set.)
- If the tip is bent due to the use for a long time or excessive torque, replace it.

O-ring Abutment Driver



Code	AORD

- Packing Unit: each part

- Special-purpose driver for the O-ring abutment

Rigid Outer Driver

Spec.	Mini	Regular			
Abutment D(ø)	ø 4.0	ø 4.0	ø 4.5	ø 5.0	ø 6.0
Short	ORDMS		ORD45S	ORDRS	ORDWS
Long	ORDML		ORD45L	ORDRL	ORDWL

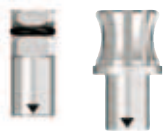
- Packing Unit: each part

- Special-purpose driver for rigid abutment
- Tightening torque : 30Ncm

KIT

Solid Abutment Driver

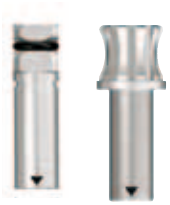
Short



Regular

Wide

Long



Regular

Platform (ø)	Regular		Wide	
Length \ Type	Square	Round	Square	Round
Short	SDSS	SDRS	SD60S	-
Long	SDSL	SDRL	-	-

- Packing Unit: each part

- Driver for Solid abutment
- The triangle mark is used by aligning with the abutment groove
- Tightening torque : 30Ncm

Excellent Solid Abutment Driver

Short

Regular

Wide

Long

Regular

Platform (ø)	Regular		Wide	
Length \ Type	Square	Round	Square	Round
Short	ESDSS	ESDRS	ESD60S	-
Long	ESDSL	ESDRL	-	-

- Packing Unit: each part

- Driver for Excellent solid abutment
- The triangle mark is used by aligning with the abutment groove
- Tightening torque : 30Ncm

Octa Abutment Driver

Short

Long

Length \ Type	Square	Round
Short	ODSS	ODRS
Long	ODSL	ODRL

- Packing Unit: each part

- Driver for Octa abutment
- Tightening torque : 30Ncm

Prosthetic Tools for OSSTEM IMPLANT

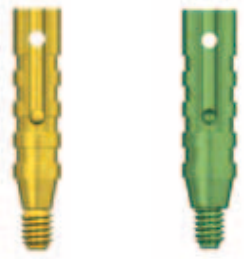
OSSTEM Torque Driver

Type	Short	Long
L	10	15
1.2 Hex	OTH12S	-
Rigid ø 4.0	OTR40S	OTR40L
Rigid ø 4.5	OTR45S	OTR45L
Rigid ø 5.0	OTR50S	OTR50L
Rigid ø 6.0	OTR60S	OTR60L
Solid	OTS48S	OTS48L
Excellent Solid	OTE48S	OTE48L

- Packing Unit: each part

- Driver for OSSTEM Torque
- The triangle mark is used by aligning with the abutment groove of section
- Tightening torque : 30Ncm(except 1.2 Hex Type)
- Solid and Excellent Solid Driver are compatible with ? 4.8 exclusively.
- Impossibility of connection with general hand piece
- 1.2Hex L(Tip length) is 5.

Path Probe for GS, TS



	Mini	Regular
Short	GIPAP-3016A	GIPAP-3516A

- Packing Unit: each part

- After GS,TS NoMount driver, confirmation path and measurement gingival height
- For mini : Yellow
- For Regular : Green

Connector

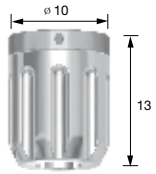
Code	ORC

- Packing Unit: each part

- Connector used for connecting the driver for square torque to the round torque wrench

KIT

Driver Handle



Code	TIDHC

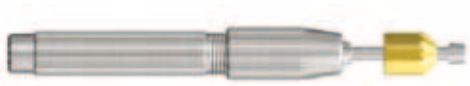
- Packing Unit: each part
- Use by connecting with a torque driver

Dalbo Plus Screw Driver

Code	ODSD

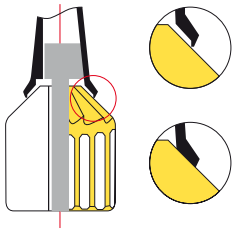
- Packing Unit: each part
- Use to adjust the retention force of Dalbo plus Attachment

Finishing Reamer Set



Code	FRSC

- Packing Unit: each part
- Use to remove the lip inside the casting body upon the casting of plastic copings



* How to use reamer

A. Choose a reamer tip as same size as abutment and then connect the casting burm-out Cylinder.

B. Hold the casting body and rotate reamer bite with consistent force

C. Do reaming until cutting does not occur any longer

Prosthetic Tools for OSSTEM IMPLANT

Reamer Bite

Code	FRBC

- Packing Unit: each part
- TiN coating improves anti-corrosion and wear resistance

Reamer Tip for Rigid Abutment

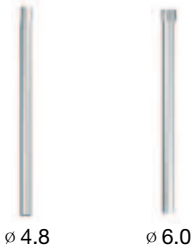
ø 4.0 ø 4.5 ø 5.0 ø 6.0

Abutment D (ø)	ø 4.0	ø 4.5	ø 5.0	ø 6.0
Code	GSRFRT400	GSRFRT450	GSRFRT500	GSRFRT600

- Packing Unit: each part
- When fabricating the prosthesis using a Rigid plastic coping, it is used for margin contact adjustment.

Reamer Tip for Solid, Ex. Solid Abutment

Regular Wide



ø 4.8 ø 6.0

Abutment D (ø)	ø 4.8	ø 6.0
Solid	FRTS480	FRTS600
Excellent Solid	FRTE480	FRTE600

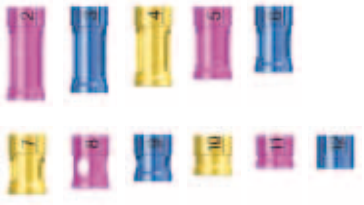
- Packing Unit: each part
- Combined use of Solid ø 6.0 and Excellent Solid ø 4.8

CAS-KIT (HCRSNK)

KIT

Use range (Use)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Stopper
SNST2, SNST3, SNST4, SNST5, SNST6, SNST7
SNST8, SNST9, SNST10, SNST11, SNST12

CAS Drill
SNDR2813T
SNDR3113T
SNDR3313T
SNDR3613T
SNDR3813T
SNDR4113T

Depth Gauge
(SNDG)

Twist Drill
(SNTD2013T)

Hydraulic
Membrane Lifter
(SNMLS)

Bone Spreader
(ø 2.0 : SNBS2015T)
(ø 3.0 : SNBS3015T)

- The recommended usage of the drills and stopper are 50 times.
- For more information, Please visit www.sinuskit.com or see the Surgical Animation or Brochure.

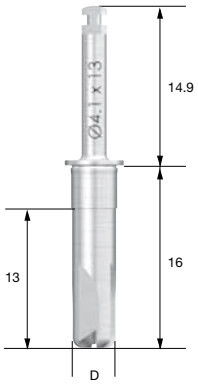
Bone Carrier (SNBR3539)

Bone Condenser (SNBC2333)

(Components in lower plate)

CAS Surgical Instruments for OSSTEM IMPLANT

CAS-Drill

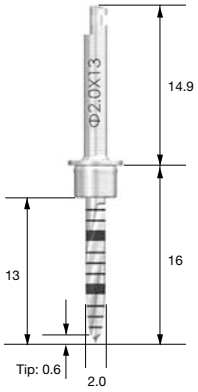


Fixture ø	F ø 4.0		F ø 4.5		F ø 5.0	
Bone Density	Soft	Normal	Soft	Normal	Soft	Normal
D	ø 2.8	ø 3.1	ø 3.3	ø 3.6	ø 3.8	ø 4.1
Code	SNDR2813T	SNDR3113T	SNDR3313T	SNDR3613T	SNDR3813T	SNDR4113T

- Package unit : each part

- Make a conical bone lid for membrane safely lifting.
- Flexible Drilling speed ranges from low speed to high speed (800rpm)
  Especially, Bone harvesting in low speed(about 50rpm)
- Drill depth control by unique stopper systems.

ø 2.0 Twist Drill



Code	SNTD2013T

- Package unit : each part

- Under drilling than 2mm of remaining bone in CT or panorama
- Tip : 0.6mm
- Drill depth control by unique stopper systems.

Stopper

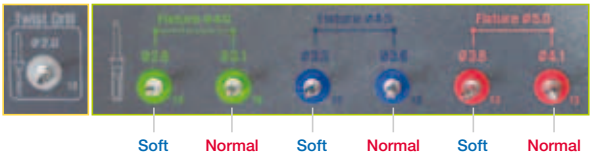
Remaining Length(mm)	2	3	4	5	6	7	8	9	10	11	12
Code	SNST2	SNST3	SNST4	SNST5	SNST6	SNST7	SNST8	SNST9	SNST10	SNST11	SNST12

- Package unit : each part

- A total of eleven (11) stoppers; labeled 2 to 12mm
- Labels indicate the remaining length of the drill (from drill tip to stopper top)
- Each stopper is anodized and color coded. Labels are laser etched.

Drilling Sequence

- This surgical procedure use only Maxillary sinus surgery.
  Don't use for Mandible surgery.
- For more information, can visit www.sinuskit.com



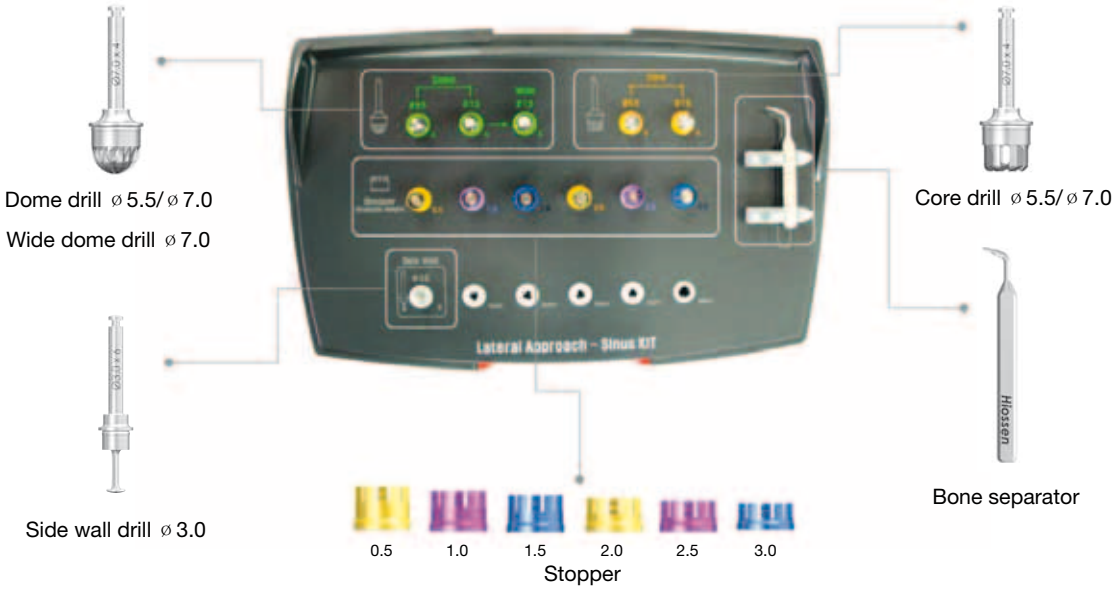
Fixture Selection		Twist Drill	CAS-Drill					
F(Dø)	Bone Density	ø 2.0	ø 2.8	ø 3.1	ø 3.3	ø 3.6	ø 3.8	ø 4.1
ø 4.0	Soft	▶	▶					
ø 4.5		▶	▶		▶			
ø 5.0		▶	▶				▶	
ø 4.0	Normal	▶		▶				
ø 4.5		▶		▶		▶		
ø 5.0		▶		▶				▶

KIT

LAS-KIT (HLRSNK)

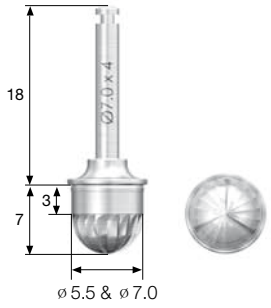
• Dome drill ø5.5/ø7.0 & Wide dome drill ø7.0, Core drill ø5.5/ø7.0, Side wall drill, Bone separator, Stopper 0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0

* Sinus Kit sold separately.

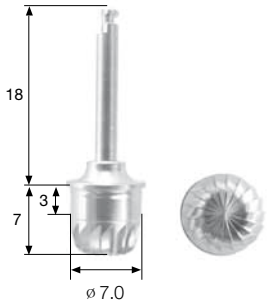


KIT

LAS Surgical Instruments for OSSTEM IMPLANT



Dome drill



Wide dome drill

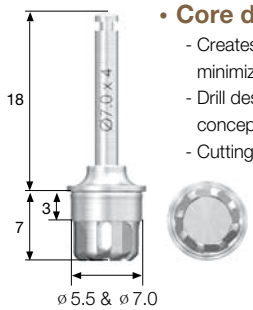
• Dome Drill

- Macro and Micro cutting blades offer excellent cutting
- Cutting Speed: 1,200 ~ 1,500 RPM
- Drilling depth controlled with stopper system

• Wide dome drill

- Used to widen the window after using Dome drill
- Excellent side cutting ability
- Drilling depth controlled with stopper system
- Cutting Speed: 1,200 ~ 1,500 RPM

* Caution: Over drilling may cause membrane perforation.

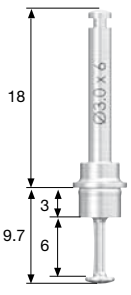


Core drill

• Core drill

- Creates window while creating bone lid to minimize direct contact
- Drill design follows the successful design concept of CAS drills
- Cutting Speed: 1,200 ~ 1,500 RPM
- Drilling depth controlled with stopper system

* Caution: Over drilling may cause membrane perforation.



Side wall drill

• Side wall drill

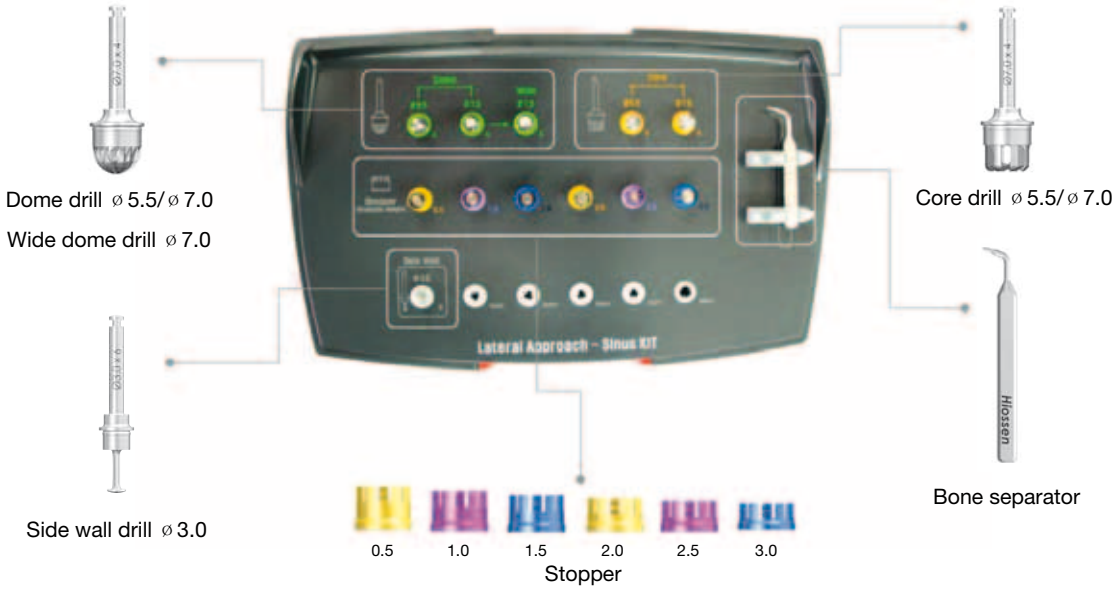
- Enlarges the window after using Dome drill
- Cutting Speed: 1,500 RPM
- Recommended to use cutting edge 1mm from the bottom.

• Drilling depth controlled with CAS-KIT Stopper system

CAS-KIT Stopper(mm)	Side wall drill length (H:mm)	Side wall drill + CAS-KIT Stopper
12	5	
11	4	
10	3	
9	2	
8	1	

LAS-KIT Plus (HLRSNKP)

• Dome drill ø5.5/ø7.0 & Wide dome drill ø7.0, Core drill ø5.5/ø7.0, Side wall drill, Bone separator, Stopper 0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0



LAS Surgical Instruments for OSSTEM IMPLANT

• LAS-KIT Plus have a 5 tools of sinus lift in lower plate.

※ **Composition of lower plate**

Freer Elevator : FREL
Bone Graft Carrier : BGCR
Membrane Separator : MBSP
Sinus Curette : Short - SNCRS
Sinus Curette : Long - SNCRL

Instrument	D.	Code
Dome drill	ø5.5	LSDR554TD
	ø7.0	LSDR74TD
Wide dome drill	ø7.0	LSDR74WTD
Core drill	ø5.5	LSDR554TC
	ø7.0	LSDR74TC
Side wall Drill	-	SWDR36T
Bone Separator	-	HST75

Stopper	0.5	1.0	1.5	2.0	2.5	3.0
Code	LSNSH0.5	LSNST1.0	LSNST1.5	LSNST2.0	LSNST2.5	LSNST3.0

Hiossen MS KIT (HMISLK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			

Code	HMISLK

KIT Components (Basic)

5-drill set
- ø 1.5mm Lance Drill
- ø 1.8mm Twist Drill Long
- ø 1.8mm Twist Drill Short
- ø 2.3mm Twist Drill Long
- ø 2.3mm Twist Drill Short

4-driver set
- Machine Driver Long (Narrow Ridge)
- Torque Driver Long (Narrow Ridge)
- Machine Driver Short (Denture)
- Torque Driver Short (Denture)

4-etc
- Depth Gauge
- Parallel Pin
- Driver Separator
- Ratchet Wrench

KIT Components (optional)

- Machine Driver Short (Narrow Ridge)
- Torque Driver Short (Narrow Ridge)
- Torque Driver Long (Denture)

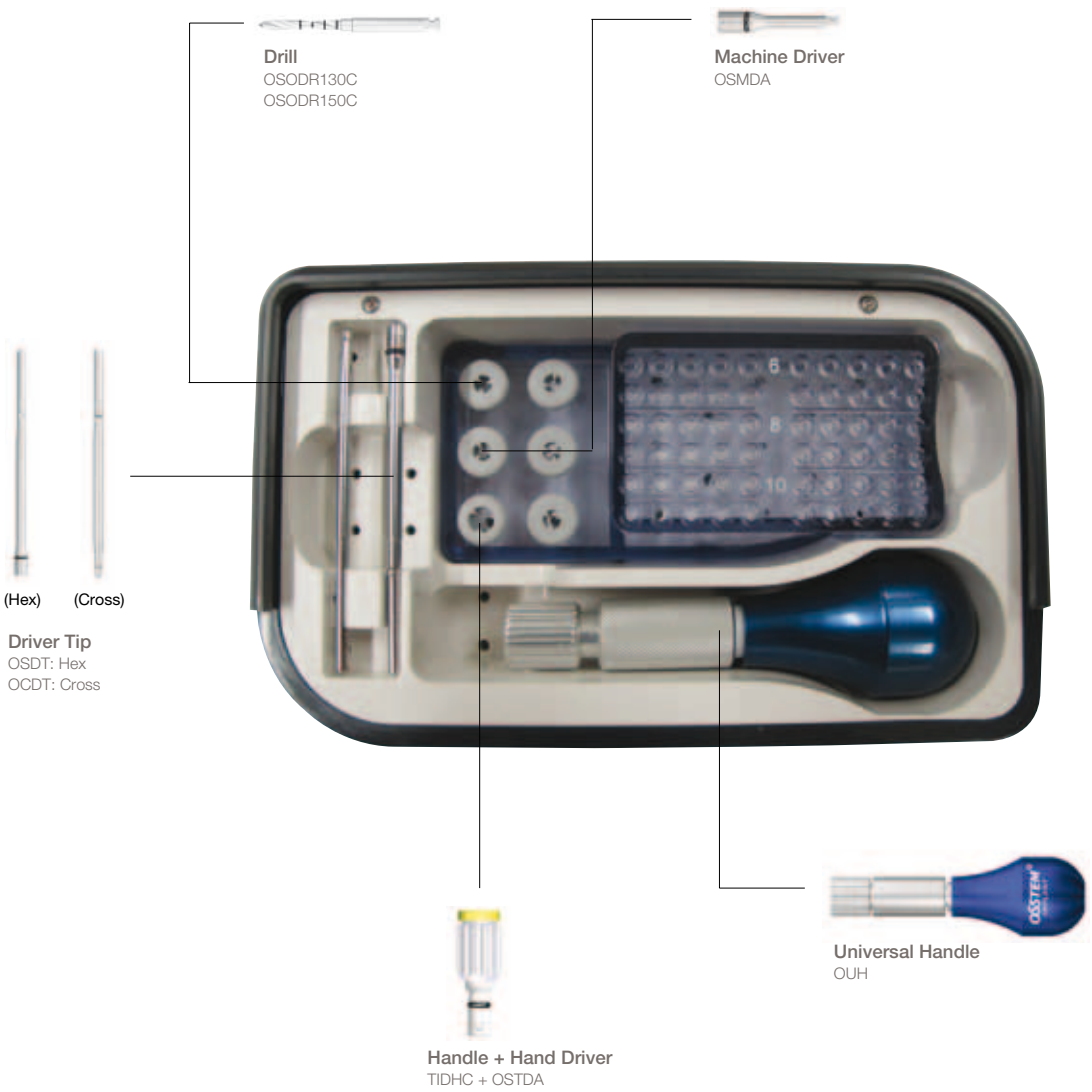
1-etc
- Torque Handle

Name	D	L	Code
ø 1.5mm Lance Drill	ø 1.5	35	OSLD15
ø 1.8mm Twist Drill Long	ø 1.8	42	OSMSD18L
ø 1.8mm Twist Drill Short	ø 1.8	32	OSMSD18S
ø 2.3mm Twist Drill Long	ø 2.3	42	OSMSD23L
ø 2.3mm Twist Drill Short	ø 2.3	32	OSMSD23S

Ortho KIT (OOKS)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			

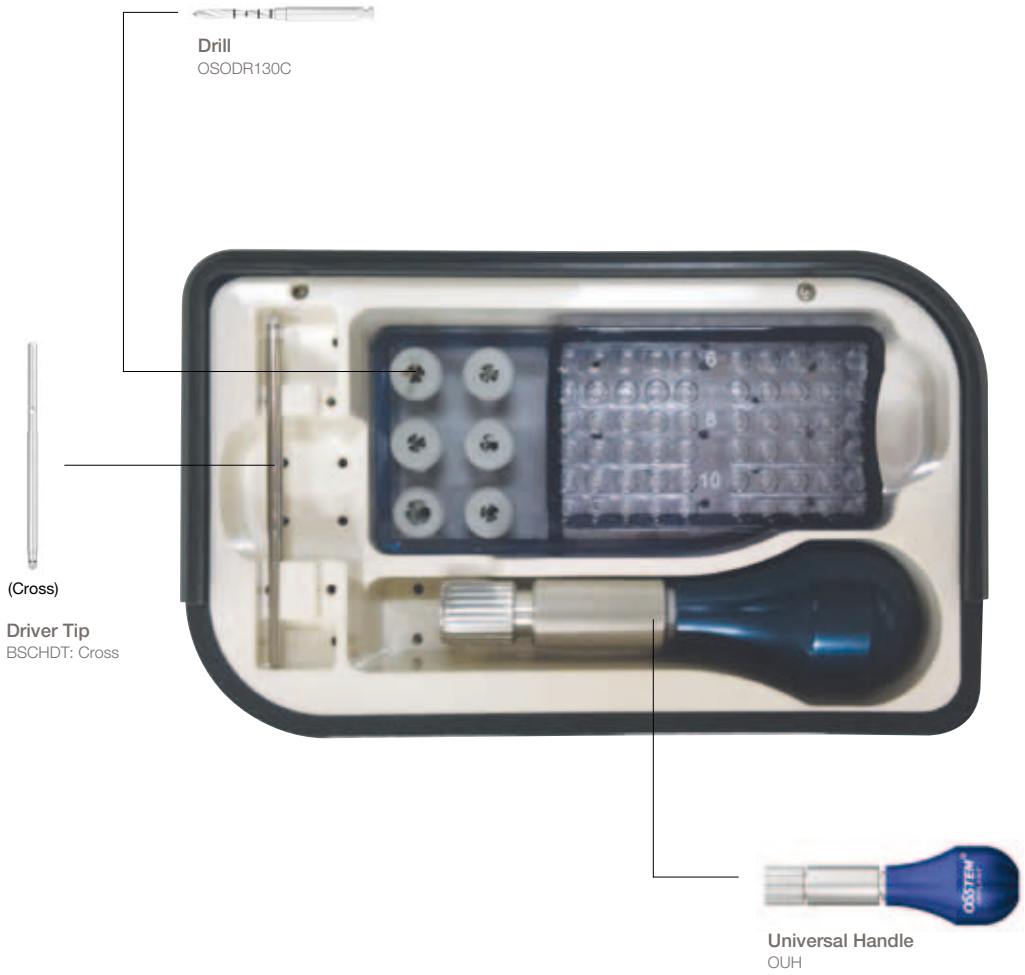


KIT

Bone Screw KIT (BSSTKT)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS	BS
USIII	SSIII	TSIII				



KIT

Custom KIT(OCTK)

Use range (Use ■)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			

KIT

OCTK

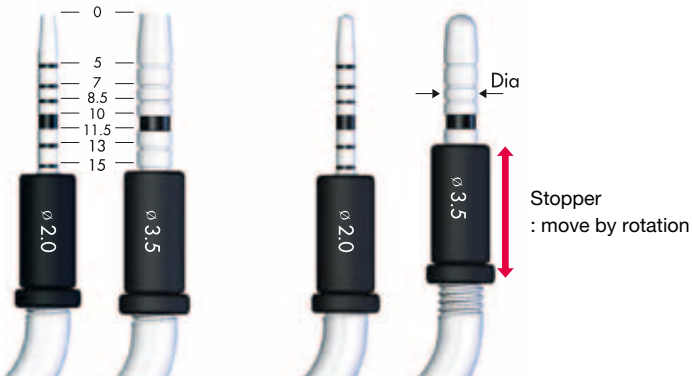
- When only part in the surgical operation organization sterilization, uses.
- Composition of additional rubber (small, middle, large)
- Use for autoclave (132℃, 15min)

Osteo KIT (OSTK)

OSTK

- Concave Osteotome : Use for maxillary sinus elevation for the vertical expansion of the volume of alveolar bone available in the maxillary posterior
- Expanding Osteotome : Without cutting low-quality bone, the preservation of the bone densifies the bone trabeculato enhance the initial bonding of implants
- Stopper for the adjustment of surgical depth

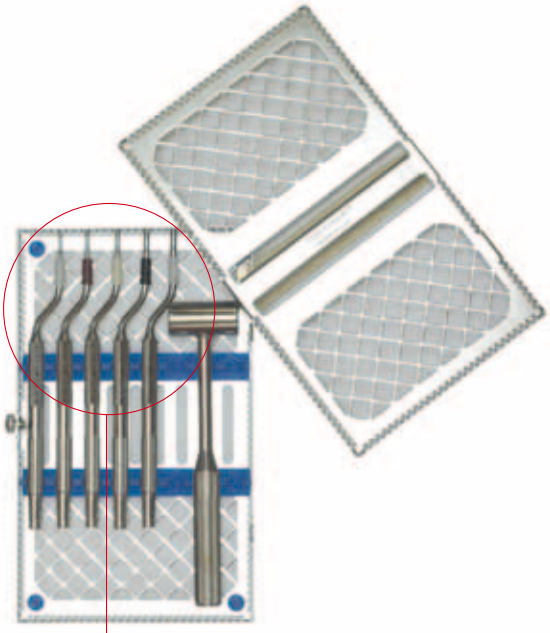
Dia.	Concave type	Expanding type
ø 2.0mm	OST20CA	OST20EA
ø 2.5mm	OST25CA	OST25EA
ø 3.0mm	OST30CA	OST30EA
ø 3.5mm	OST35CA	OST35EA
ø 4.0mm	OST40CA	OST40EA
Mallet	OSTMP	



Concave type Expanding type

KIT

Osteotome KIT (AOST)

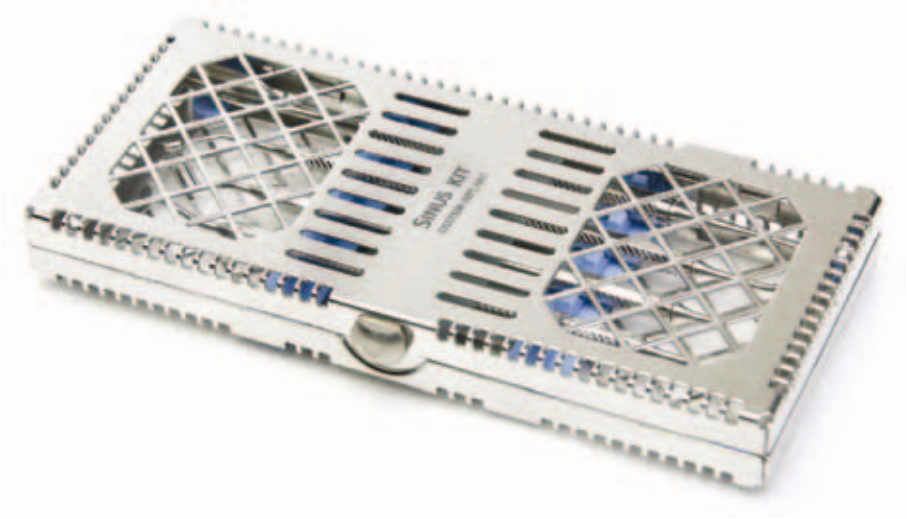


AOST

- Use for maxillary sinus elevation for the vertical expansion of the volume of alveolar bone available in the maxillary posterior
- Includes only the concave type
- Stopper for the adjustment of surgical depth

Dia.	Concave type
ø 2.0mm	OST20CA
ø 2.5mm	OST25CA
ø 3.0mm	OST30CA
ø 3.5mm	OST35CA
ø 4.0mm	OST40CA
Mallet	OSTM

Sinus KIT (ASLK)



ASLK

- Various types of tools (5) used for the sinus procedure
- Sinus operation instrument for lateral approach

※ **5 components**

Freer Elevator : OFE

Bone Graft Carrier : OBGC

Membrane Separator (Circle type) : OMSC

Sinus Currette-Short : OSCS

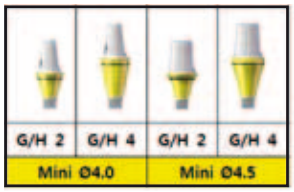
Sinus Currette-Long : OSCL

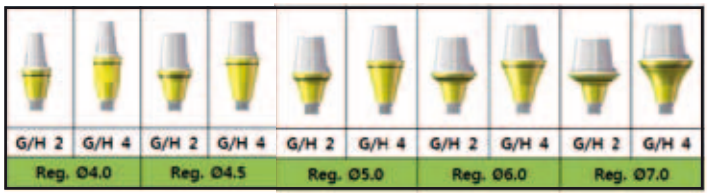
Abutment Selector [TSASK]

TSASK

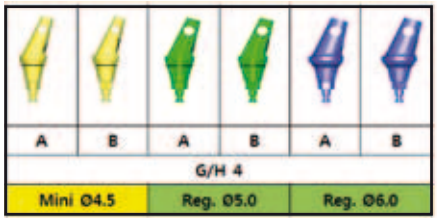
- The kits to be selected before selecting an abutment.
  Caution: Please do not use in autoclave ~~Sterilize~~

Rigid each 2ea. Total 28ea



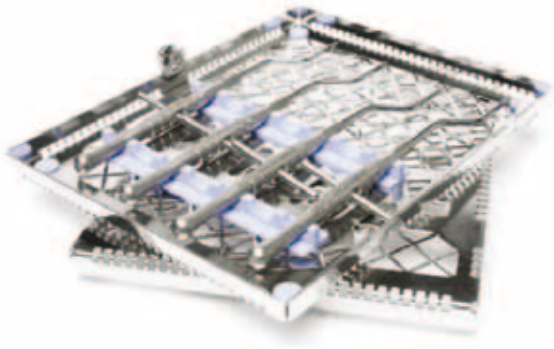


Angled each 1ea. Total 6ea



KIT

Bone Spreader KIT (OBSOK)

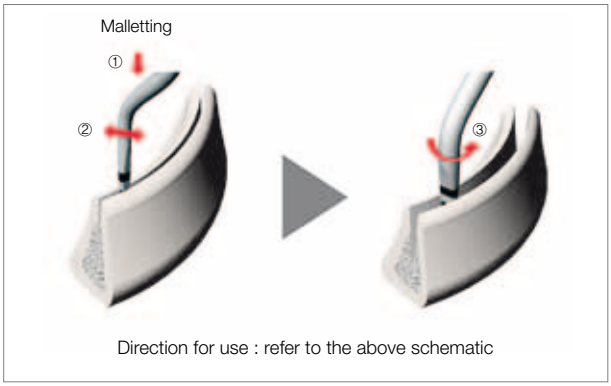


OBSOK

- Use for alvelar bone expansion
- Offset type for easy operation

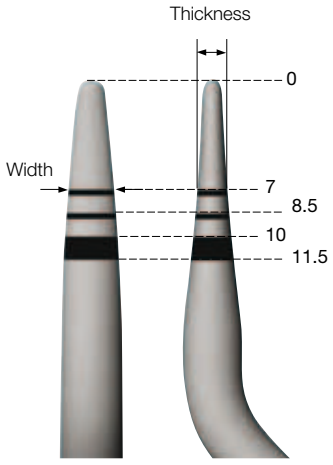
※ **Components**

OBSO22F, OBSO28F, OBSO35F, OBSO35R



Direction for use : refer to the above schematic

- Use for alveolar bone expansion
- Offset type for easy operation
- Depth marking corresponding to the implant length.



(Unit : mm)

Code \ Tip length	Spec.	7	8.5	10	11.5
OBSO22F	Thickness	1.15	1.3	1.45	1.6
	Width	2.1	2.2	2.2	2.2
OBSO28F	Thickness	1.15	1.3	1.45	1.6
	Width	2.65	2.8	2.8	2.8
OBSO35F	Thickness	1.3	1.45	1.6	1.8
	Width	3.3	3.5	3.5	3.5
OBSO35R (Round Type)	Thickness	1.85	2.1	2.3	2.55
	Width	3.3	3.5	3.5	3.5

Ridge Split KIT- Straight (ORSSK)

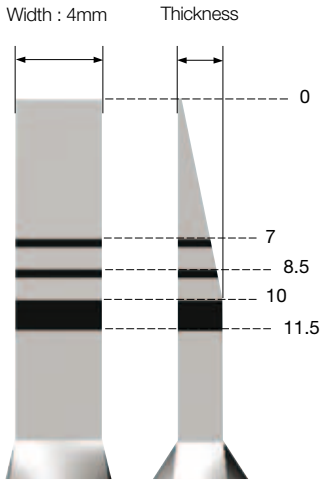
ORSSK

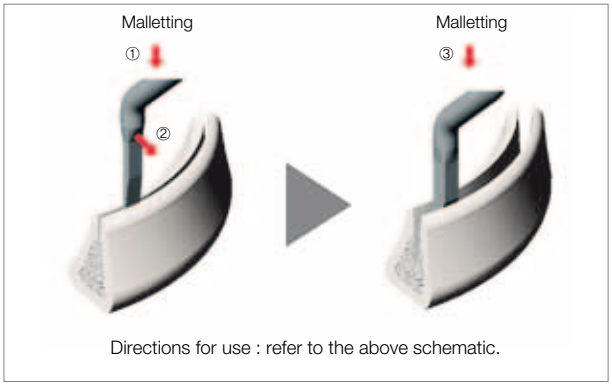
※ **Components**

Ridge Split Chisel : ORSS15, ORSS20, ORSS25, ORSS30

Blade Holder : ORSBH

- Chisel : Use to expand narrow alveolar bone
- Use to malletting by connecting #15 Blade in case of difficult incision in soft bone





Directions for use : refer to the above schematic.

(Unit : mm)

Code \ Tip length / Spec.		7	8.5	10	11.5
ORSS15	Thickness	1.1	1.27	1.5	1.5
	Width	4	4	4	4
ORSS20	Thickness	1.45	1.7	2.0	2.0
	Width	4	4	4	4
ORSS25	Thickness	1.8	2.15	2.5	2.5
	Width	4	4	4	4
ORSS30	Thickness	2.15	2.5	3.0	3.0
	Width	4	4	4	4

Ridge Split KIT- Offset (ORSOK)

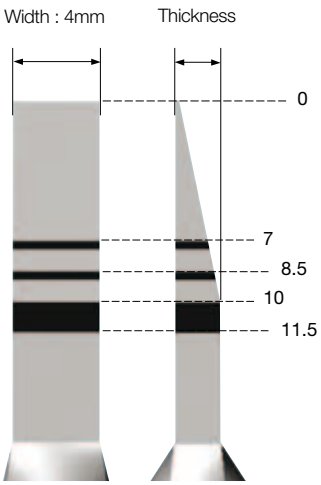
ORSOK

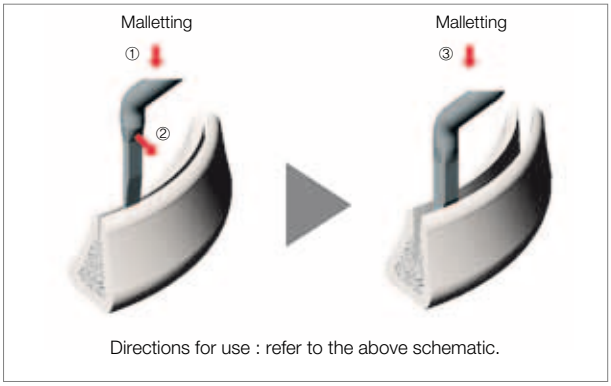
※ **Components**

Ridge Split Chisel : ORSO15, ORSO20, ORSO25,ORSO30

Blade Holder : ORSBH

- Use for alvelar bone expansion
- Offset type for easy operation





Directions for use : refer to the above schematic.

(Unit : mm)

Code \ Tip length / Spec.		7	8.5	10	11.5
ORSO15	Thickness	1.1	1.27	1.5	1.5
	Width	4	4	4	4
ORSO20	Thickness	1.45	1.7	2.0	2.0
	Width	4	4	4	4
ORSO25	Thickness	1.8	2.15	2.5	2.5
	Width	4	4	4	4
ORSO30	Thickness	2.15	2.5	3.0	3.0
	Width	4	4	4	4

OsstemGuide™ Surgical Components

1. Implant System

- The implants that can be used with OsstemGuide are the tapered type implant systems of Osstem and Hiossen.

▶ If length of 7 or 15mm fixture is to be used, you should purchase the exclusively designed drill.

2. Surgical Kit (Code : OGDK) components

KIT

❶ Anchor drill
- QGATD13

❷ Anchor Screw
- QGAS18

❸ Tissue punch
- QGTP33M
- QGTP38R
- QGTP47R
- QGTP53W

❹ Initial drill
- QGID20M
- QGID20R
- QGID20W

❺ Twist Drill
- QGTD2008
- QGTD2010
- QGTD2011
- QGTD2013

- QGTD3008
- QGTD3010
- QGTD3011
- QGTD3013

- QGTD3308
- QGTD3310
- QGTD3311
- QGTD3313

- QGTD3808
- QGTD3810
- QGTD3811
- QGTD3813

- QGTD4308
- QGTD4310
- QGTD4311
- QGTD4313

❻ Cortical Drill 3
- QGCD335M
- QGCD340R
- QGCD345R
- QGCD350W

❼ Drill Guide
- QGDG20M
- QGDG30M
- QGDG20R
- QGDG30R
- QGDG33R
- QGDG38R
- QGDG20W
- QGDG30W
- QGDG38W
- QGDG43W

❽ 1.2 Hex hand driver
- AHD12SH
- AHD12LH

❾ 1.2 Hex torque driver
- TRHD12S
- TRHD12L

❿ Mount Driver
- ASMDS

❿ Mount Extension
- ASMES

⓫ Removal Tool
- QGRTR

⓫ USIII Countersink
- OGUSCS45W

⓬ Kit Steel bowl
- AKB

⓭ Ratchet Wrench
- CITQW-1185A

⓮ Open Wrench
- ASOW

OsstemGuide™ Surgical Components

- The tools that are clinically needed in addition to the tools provided with the OsstemGuide KIT are shown in the list below.

Drill Guide

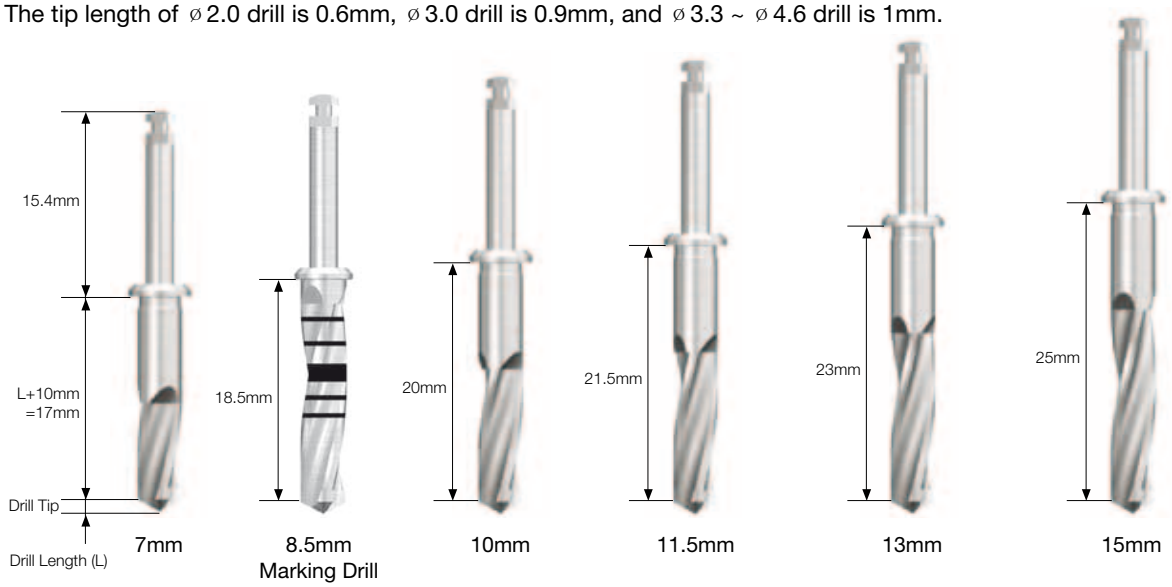
Twist Drill

L \ D	ø 2.0	ø 3.0	ø 3.3	ø 3.6	ø 3.8	ø 4.1	ø 4.3	ø 4.6
7	QGTD2007 *	QGTD3007 *	QGTD3307 *	QGTD3607 *	QGTD3807 *	QGTD4107 *	QGTD4307 *	QGTD4607 *
8.5				QGTD3608 *		QGTD4108 *		QGTD4608 *
10				QGTD3610 *		QGTD4110 *		QGTD4610 *
11.5				QGTD3611 *		QGTD4111 *		QGTD4611 *
13				QGTD3613 *		QGTD4113 *		QGTD4613 *
15	QGTD2015 *	QGTD3015 *	QGTD3315 *	QGTD3615 *	QGTD3815 *	QGTD4115 *	QGTD4315 *	QGTD4615 *
Drill Guide				QGDG36R * (Regular)		QGDG41R * (Regular)		QGDG46W * (Wide)

The products marked with " * " are not included in the kit and you should purchase them if needed.

3. Specific features of surgical drills

- All of the drills have the drill stops to meet OsstemGuide drill guides.
- Each drill has additional length of 10mm to meet the installation height of surgical template and drill guide.
- 8.5mm length drill is laser-marked at 7/8.5/10/11.5/13/15mm and can be used in common surgery without OsstemGuide.
- Especially, although the lateral side of the drill touches the gingival during flapless operation, the uniquely designed drill does not damage the soft tissue.
- The tip length of ø 2.0 drill is 0.6mm, ø 3.0 drill is 0.9mm, and ø 3.3 ~ ø 4.6 drill is 1mm.



OsstemGuide™ Surgical Components

4. OsstemGuide™ Mount

- The exclusively designed mount for OsstemGuide surgery is to be used for implantation after combination with the fixture. The configuration is different by the specification of the implant system.
Use it to meet the color of the sleeve combined with OsstemGuide template.

System	Fixture Dia.	Code	Color
TS/GS	3.5	QGHGMM	Yellow
	4.0 / 4.5	QGHGMR	Green
	5.0	QGHGMW	Purple

System	Platform Dia.	G/H	Code	Color
SS	4.8	1.8	OGSSMR18	Green
		2.8	OGSSMR28	Green
	6.0	2.0	OGSSMW20	Purple

System	Fixture Dia.	Code	Color
US	3.5	OGUSMM	Yellow
	4.0 / 4.5	OGUSMR	Green
	5.0	OGUSMW	Purple

TS / GS Mount

SS Mount

US Mount

5. OsstemGuide™ Cylinder Guide

- It is the exclusively designed prosthetic components for OsstemGuide and is used with combination with common fixture lab analog.

Use it to meet the color of the sleeve combined with OsstemGuide template.

System	Fixture Dia.	Code	Color
TS/GS	3.5	QGHGCGM	Yellow
	4.0 / 4.5	QGHGCGR	Green
	5.0	QGHGCGW	Purple

System	Fixture Dia.	G/H	Code	Color
SS	4.8	1.8	OGSSCGR18	Green
		2.8	OGSSCGR28	Green
	6.0	2.0	OGSSCGW20	Purple

System	Fixture Dia.	Code	Color
US	3.5	OGUSCGM	Yellow
	4.0 / 4.5	OGUSCGR	Green
	5.0	OGUSCGW	Purple

TS / GS Cylinder Guide

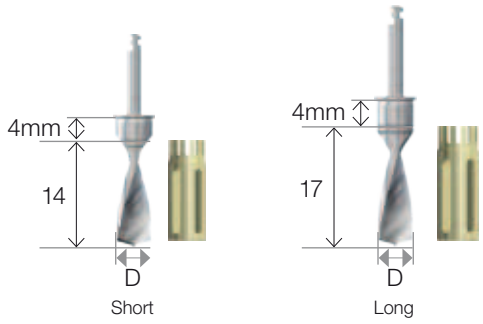
SS Cylinder Guide

US Cylinder Guide

AutoBone Collector

▪ Components

AutoBone Collector



D	Type	H	Code
Ø6,0	Short	14,9mm	ABC604S
Ø6,0	Long	17,9mm	ABC604L
Ø5,0	Short	14,9mm	ABC504S
Ø5,0	Long	17,9mm	ABC504L

- Drill length : Long, Short.
- Drill speed : 300~600rpm

Caution: Recommend to sterilize in an autoclave before surgery for drill and stopper.

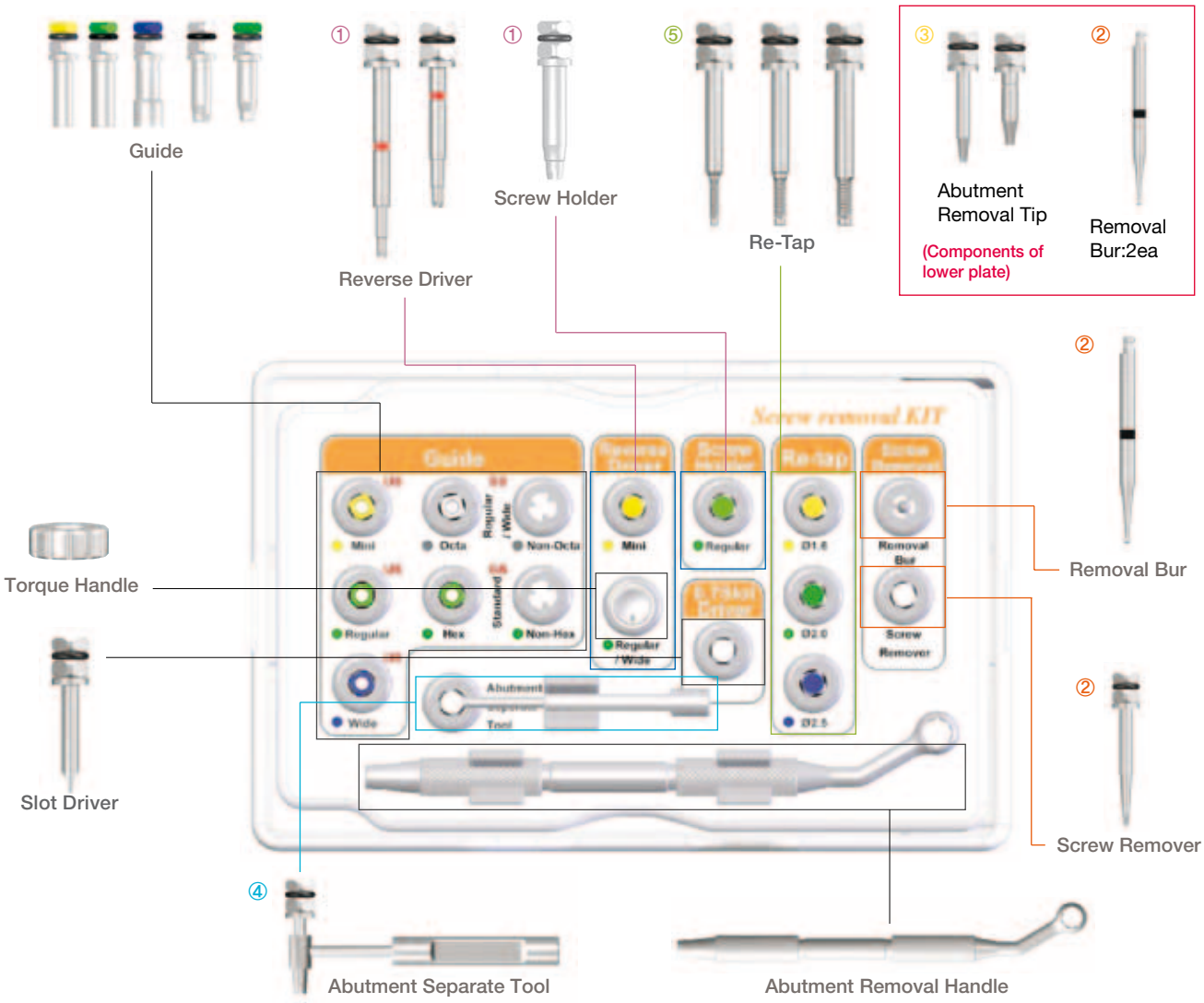
Bone Ejector

Name	Code
Bone Ejector	ABBE52L

- Ejector the havested Bone in stopper.

KIT

Screw removal KIT (OSSVK)



	MODE			Usable Tool
①	Screw Fracture	Torque-free	Non-load mode where fragments of the abutment screws are left on the fixture, and for which torque has been released, when the screws are broken during dental prosthesis or when in use	Guide, Abutment Removal Handle, Reverse Driver, Screw Holder, Connector
②		Wedging	Mode whereby fragments of the abutment screws are left on the fixture with torque intact, or when wedging takes place, and is stubbornly fixed when the screws are broken during dental prosthesis or when in use	Guide, Abutment Removal Handle, Removal Bur, Screw Remover
③	Abutment Fail	Fracture	Mode where wedging takes place on the fragments of the abutment on the fixture, and is stubbornly fixed when the abutments are broken during use	Abutment Removal Handle & Tip
④		Wedging	Mode where the abutments are caught in the fixture, and not released	Abutment Separate Tool
⑤	Fixture Fail	Thread Damage	Mode where the screws are not connected with the thread of the fixture because of damage caused to the threads during the connection and removal of the screws	Re-tap

Screw removal Tools for OSSTEM IMPLANT

Reverse Driver

Mini Regular/ Wide

	Mini	Regular/ Wide
Short	-	ORVDRS
Long	ORVDML	ORVDRL

- Packing Unit : each part

- Tool for removing broken screws
- This tool should be used together with the guide for each system
- When the marked part of the reverse drill is exposed above the guide connected to the fixture, make use of the screw-older to remove the broken Screws
- Hand type
- Mode: Counter clockwise
- Lifecycle: Ten uses
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular/ Wide : Green

Guide

Hex Non-Hex Octa Non-Octa Hex
TS SS US

		Mini	Regular	Wide
TS	Non-Hex	OGGMN	OGGSN	-
	Hex	OGGM	OGGS	-
SS	Non-Octe	-	OSGRN	
	Octe	-	OSGR	
US	Hex	OUGM	OUGR	OUGW

- Packing Unit : each part

- Guide used to prevent the reverse driver, the removal bur and the re-tap from centering or vibrating
- The guide should be used after connecting to the abutment removal handle
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

Screw Holder

Mini Regular Wide

	Mini	Regular	Wide
Code	OSHM	OSHR	OSHW

- Packing Unit : each part

- This tool is used for removal of fractured screw; expose the fractured screw by 1-2 threads using a reverse driver, push it on the fractured screw for combination, and remove the fractured screw.
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

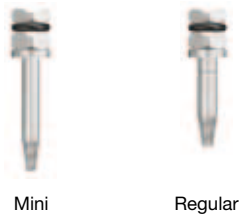
Re-tap

	Mini(M1.6)	Regular(M2.0)	Wide(M2.5)
Code	ORTM	ORTR	ORTW

- Packing Unit : each part

- Tool used for forming new threads if a screw is not connected because the threads inside the fixture have been damaged
- Color coding for easy discrimination of the specifications
  Mini: Yellow, Regular : Green, Wide : Blue

Abutment Removal Tip



	Mini	Regular
Code	OARTM	OARTR

- Packing Unit : each part

- This tool is used when part of a broken abutment or mount gets caught in the fixture
- Remove the fragment by shaking it with a forceps when connecting the fragment into the hole of the broken abutment, and then turn the connected part counter clock wise and fix the part
- This tool is also used for removing a screw if it is not possible to remove the screw because the hex of the screw has slipped in the case of the Mini
  - It is possible to remove the screw by turning the screw counterclockwise and fixing the screw after connecting it to the slipped hex

* Mini: Makes it possible to remove a screw whose hex has slipped

ABT Removal Tool

Code	OARH

- Packing Unit : each part

- This tool should be used in conjunction with the guide

Slot Driver

Code	OTSD07

- Packing Unit : each part

- Tool to be used after forming a slot with a bur of ⌀0.8 if it is not possible to exert force with the driver because of damage to the hex of the healing abutment, the cover screw and the abutment screw

Screw removal Tools for OSSTEM IMPLANT

Torque Handle

Code	MSTH

- Packing Unit : each part

- This tool is used for initial manual installation after connecting it to the connection section of the torque driver

Removal Bur

Code	ORB

- Packing Unit : each part

- Tool for removing broken screws
- This tool is used for forming a hole on the broken surface of the screw if it is not possible to remove the screw with a reverse driver
- Rotation direction: Clockwise
- Recommended rotation speed: 1500 ~5000 rpm
- This tool should be used in conjunction with the guide
- It is necessary to minimize the generation of heat by pumping and water injection, and to remove any chips left behind after removing the screw with a suction tool

Screw Remover

Code	OSR

- Packing Unit : each part

- Rotate the screw remover in the reverse direction in the hole of the broken surface of the screw formed by the removal bur to remove a broken screw
- Mode: Counter clockwise

Transfer Abutment Separate Tool

Driver

Body

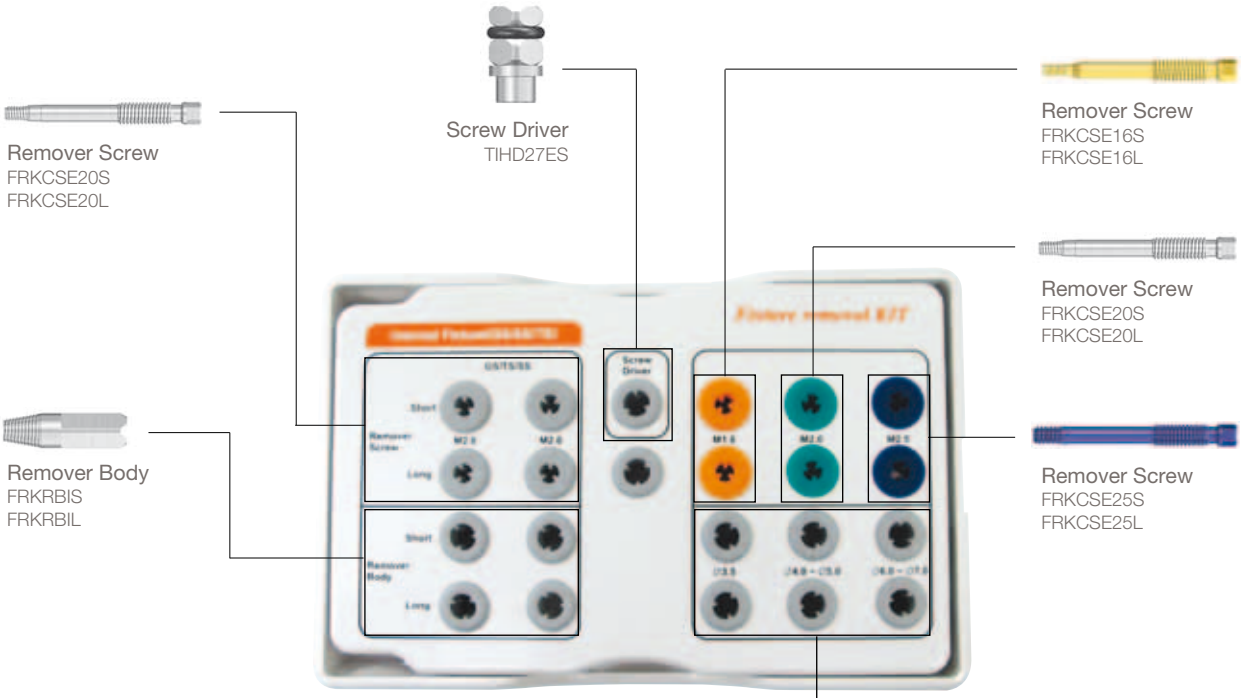
Type	Code
Driver	TASD
Body	TASB
Set	TAST

- Packing Unit : each part

- This tool is used for removing the transfer abutment of non-hex-type caught in the fixture as a result of contact with a Morse Taper
- The terminal of the body is the Mini. The standard tool is inserted into the grooves in two stages in common use
- Insert the separate tool body into the hole inside the abutment after removing the abutment screw, and tighten the driver in a clockwise direction to combine the body and the abutment for easy separation
  Use the tool after connecting the ratchet wrench to the driver, if it is hard to separate

Fixture Removal KIT (OSFRMK)

USII	SSII	TSII	Ultra-wide	MS	OS
USIII	SSIII	TSIII			



Remover Screw
FRKCSE20S
FRKCSE20L

Screw Driver
TIHD27ES

Remover Screw
FRKCSE16S
FRKCSE16L

Remover Screw
FRKCSE20S
FRKCSE20L

Remover Body
FRKRBIS
FRKRBIL

Remover Screw
FRKCSE25S
FRKCSE25L

Remover Body
FRKRBE35S
FRKRBE35L
FRKRBE50S
FRKRBE50L
FRKRBE70S
FRKRBE70L

Fixing Wrench
FRKFW

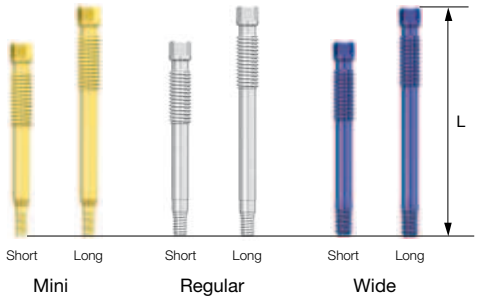
Torque Wrench
TW30B

(Components of lower plate)

KIT

Fixture Removal KIT Surgical Components

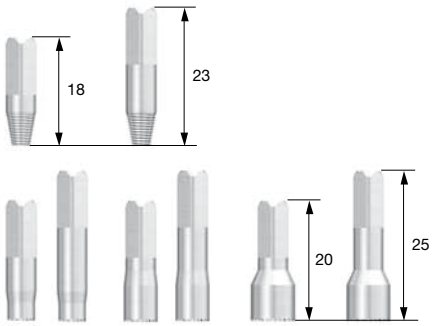
Remover Screw



	Mini	Regular	Wide
Short (27)	FRKCSE16S	FRKCSE20S	FRKCSE25S
Long (32)	FRKCSE16L	FRKCSE20L	FRKCSE25L

- Remover Screw can be fixed to connect to fixture and it supports to rotate Remover body reversely.

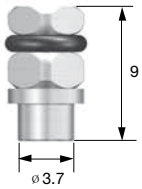
Remover Body



Type	사용 Fixture	Short	Long
Internal	-	FRKRBIS	FRKRBIL
External	ø 3.5	FRKRBE35S	FRKRBE35L
	ø 4.0~5.0	FRKRBE50S	FRKRBE50L
	ø 6.0~7.0	FRKRBE70S	FRKRBE70L

- It is connected to remover screw in loosening direction
- There are 4 types depending on the structure and diameter of the fixture to be removed.
- It is possible to use internal type fixture regardless of the diameter.
- External type fixture must be used based on the diameter.
- When a fractured fixture is removed, external type is used.

Remover Driver



Code	TIHD27ES

- Remover Driver connects remover screw to a fixture to fix it.

Fixing Wrench

Code	FRKFW

- To prevent loosening of remover screw.

Torque Wrench

Code	TW30B

KIT

Drilling Sequence for
TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM

TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM Fixture (Straight Drill)

ø 3.5mm Fixture
(Length :10mm)

Bone Quality	ø 2.0 Drill	Pilot Drill (2.0/3.0)	ø 3.0 Drill	F3.5 Cortical Drill 3	F3.5 Cortical Drill 3	3.5 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶		
Hard	▶	▶	▶		▶	

ø 4.0mm Fixture
(Length :10mm)

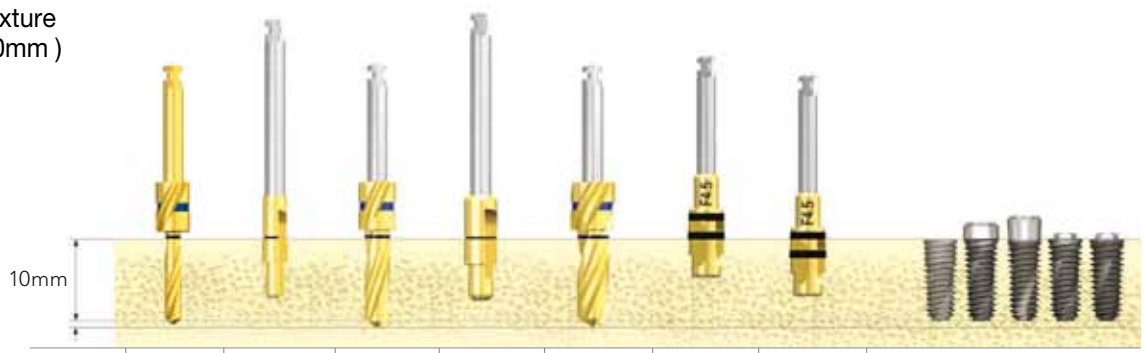
Bone Quality	ø 2.0 Drill	Pilot Drill (2.0/3.0)	ø 3.0 Drill	ø 3.3 Drill	F4.0 Cortical Drill 3	F4.0 Cortical Drill 3	4.0 Fixture
Soft	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶		▶	

※ **Recommended implant torque : 40Ncm or less**

※ **TSIII HA Fixture, SSIII Fixture** (Recommended implant torque : 35Ncm or less)
- It may crack or separate HA coating layer in case of hard bone and the use is not guided.

※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length :10mm)



Bone Quality	ø 2.0 Drill	Pilot Drill (2.0/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	F4.5 Cortical Drill 3	F4.5 Cortical Drill 3	4.5 Fixture
Soft	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶		▶	

USIII Wide PS Fixture
ø 4.5mm Fixture (Length :10mm)

Bone Quality	ø 2.0 Drill	Pilot Drill (2.0/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	W4.5 CounterSink	F4.5 Cortical Drill 3	F4.5 Cortical Drill 3	4.5 Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶		▶	

※ CounterSink is available as a single unit for Wide PS 4.5 of USIII Fixture.
(Produce code : USSCS45W / Recommended drilling speed : 300rpm)

ø 5.0mm Fixture (Length :10mm)

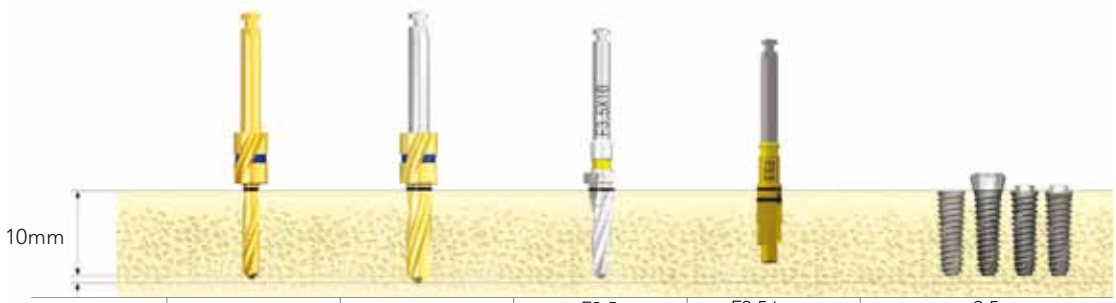
Bone Quality	ø 2.0 Drill	Pilot Drill (2.0/3.0)	ø 3.0 Drill	Pilot Drill (3.0/3.8)	ø 3.8 Drill	ø 4.3 Drill	F5.0 Cortical Drill 3	F5.0 Cortical Drill 3	5.0 Fixture
Soft	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶		▶	

※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for
TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM

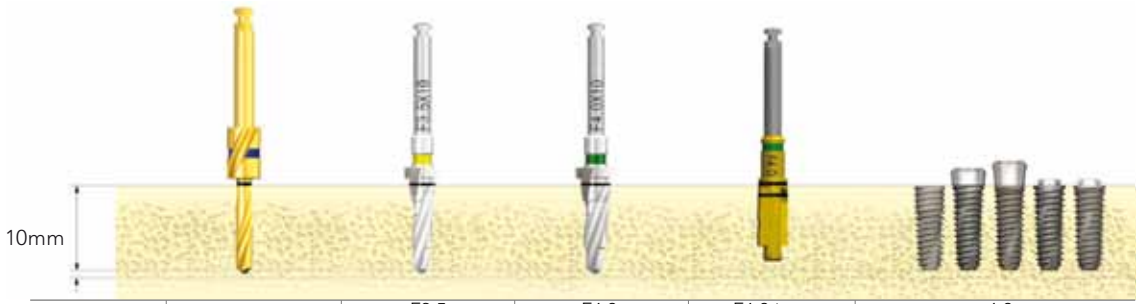
TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM (Taper Drill)

ø 3.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	ø 3.0 drill	F3.5 taper drill	F3.5 taper cortical drill	3.5 Fixture
Soft	▶	▶			Implant placement
Normal	▶		▶		
Hard	▶		▶	▶	

ø 4.0mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	F3.5 taper drill	F4.0 taper drill	F4.0 taper Cortical drill	4.0 Fixture
Soft	▶	▶			Implant placement
Normal	▶	▶	▶		
Hard	▶	▶	▶	▶	

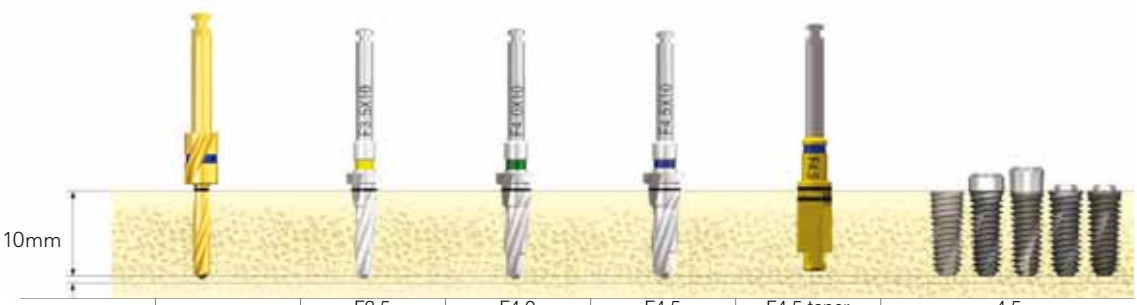
※ **Taper Cortical Drill**
- The lower end of marking line is used for implantation of 8.5mm or smaller fixture.
- The upper end of marking line is used for implantation of 10mm or larger fixture.

※ **Recommended implant torque : 40Ncm or less**

※ **TSIII HA Fixture, SSIII Fixture** (Recommended implant torque : 35Ncm or less)
- It may crack or separate HA coating layer in case of hard bone and the use is not guided.

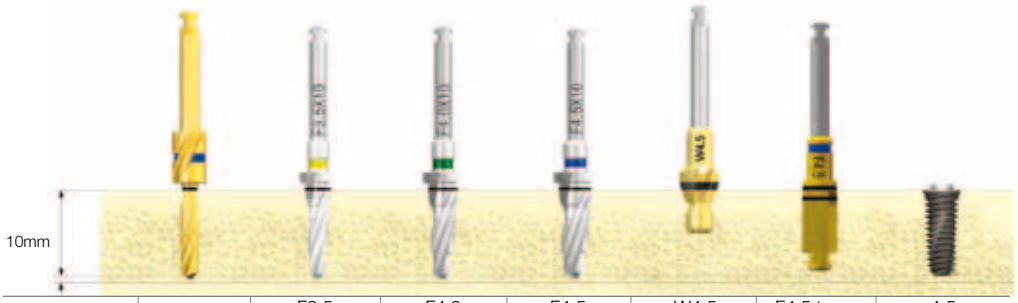
※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	F3.5 taper drill	F4.0 taper drill	F4.5 taper drill	F4.5 taper Cortical drill	4.5 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶		▶		
Hard	▶	▶		▶	▶	

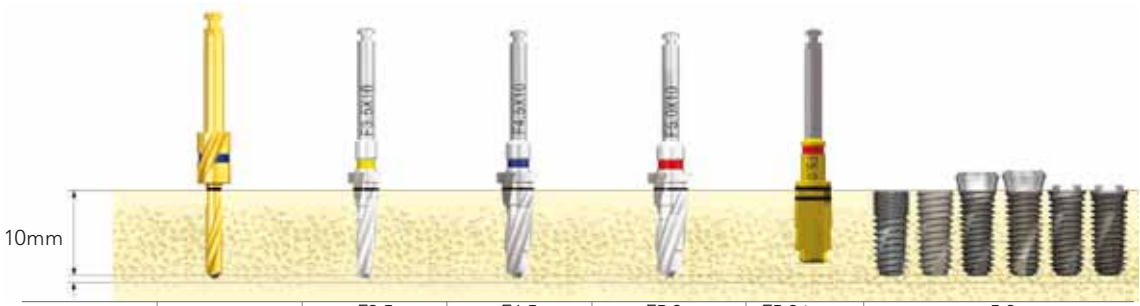
US III Wide PS Fixture ø 4.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	F3.5 taper drill	F4.0 taper drill	F4.5 taper drill	W4.5 CounterSink	F4.5 taper Cortical drill	4.5 Fixture
Soft	▶	▶	▶				Implant placement
Normal	▶	▶		▶	▶		
Hard	▶	▶		▶	▶	▶	

※ CounterSink is available as a single unit for Wide PS 4.5 of USIII Fixture.
(Produce code : USSCS45W / Recommended drilling speed : 300rpm)

ø 5.0mm Fixture (Length :10mm)



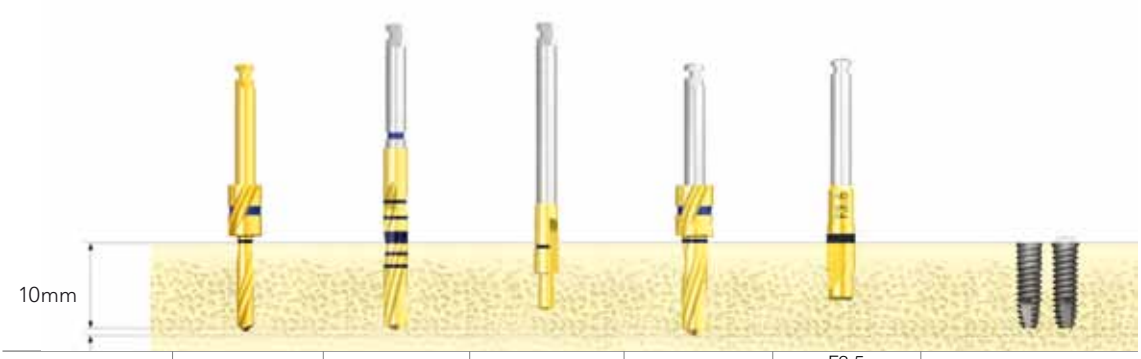
Bone quality	ø 2.0 drill	F3.5 taper drill	F4.5 taper drill	F5.0 taper drill	F5.0 taper Cortical drill	5.0 Fixture
Soft	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	

※ **TS fixture implant depth guide**
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for
TSII / SSII SA / USII SA

TSII / SSII SA / USII SA Fixture

ø 3.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	ø 2.7 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	F3.5 cortical drill	ø 3.5 Fixture
Soft	▶	▶				Implant placement
Normal	▶		▶	▶		
Hard	▶		▶	▶	▶	

ø 4.0mm Fixture (Length :10mm)

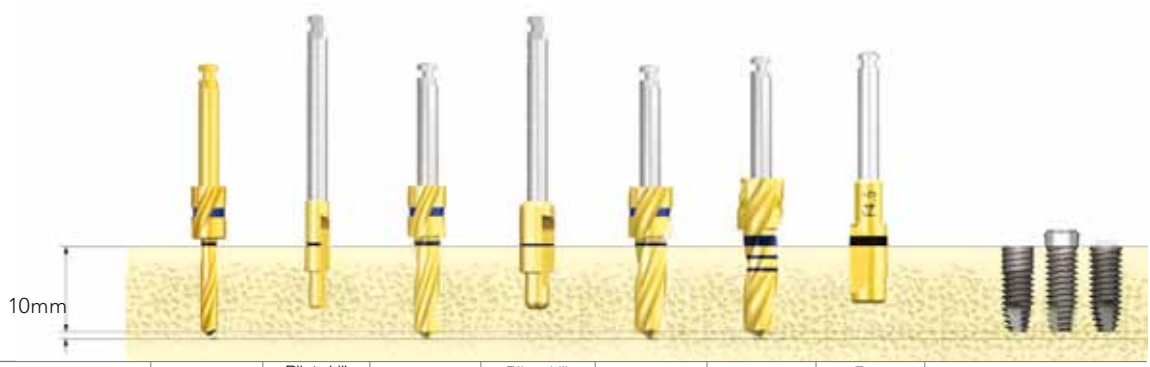
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.3 drill	ø 3.6 drill	F4.0 cortical drill	4.0 Fixture
Soft	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶		▶		
Hard	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

※ **TS fixture implant depth guide**

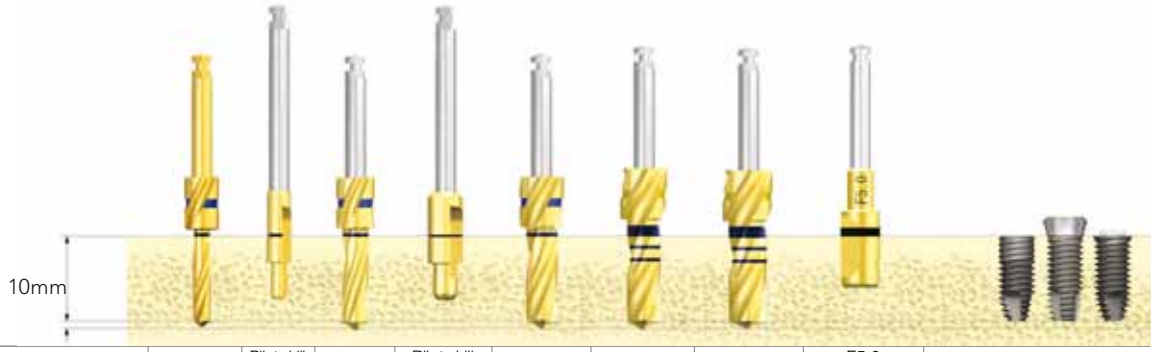
- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

ø 4.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.1 drill	F4.5 cortical drill	4.5 Fixture
Soft	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		
Hard	▶	▶	▶	▶	▶	▶	▶	

ø 5.0mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	ø 4.6 drill	F5.0 cortical drill	5.0 Fixture
Soft	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	

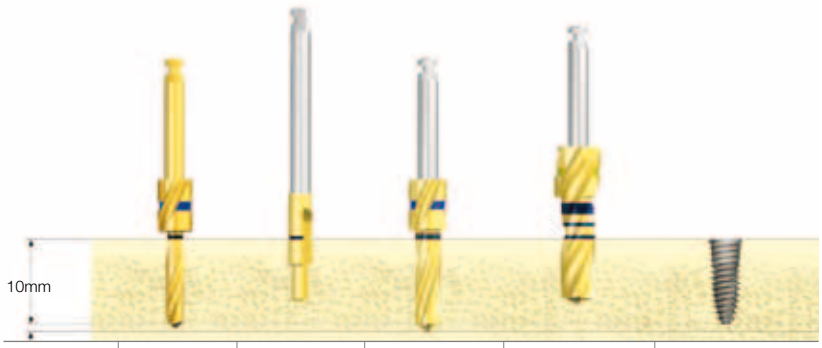
※ **TS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for TSIV

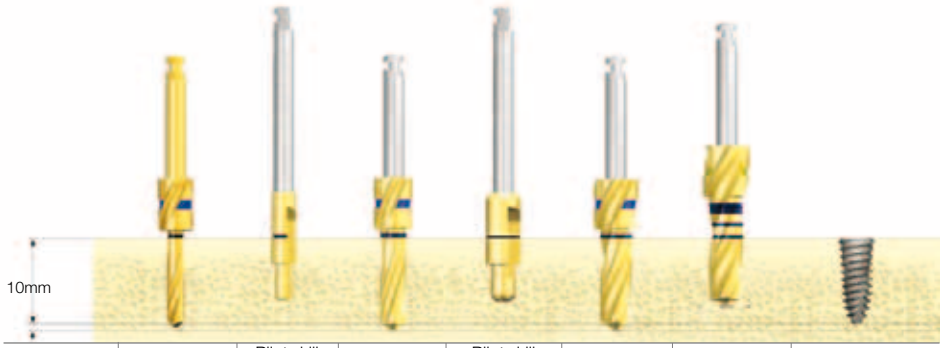
TSIV Fixture (Straight Drill)

ø 4.0mm Fixture (Length : 10mm)



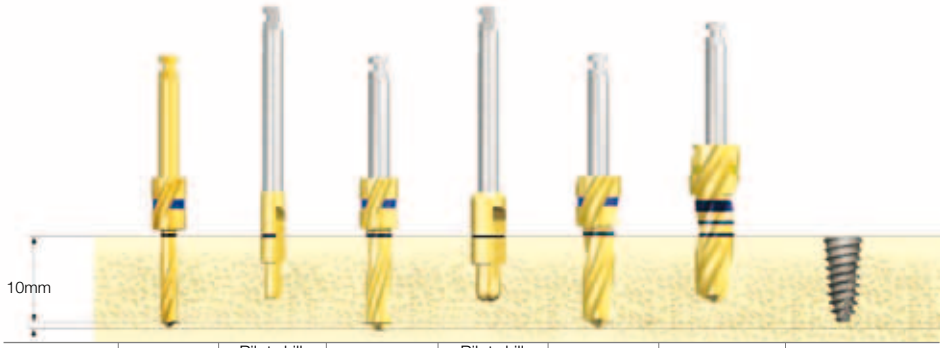
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.6 drill (Half)	4.0 Fixture
D4	▶				Implant placement
Soft	▶	▶	▶	▶	

ø 4.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.1 drill (Half)	4.5 Fixture
D4			▶				Implant placement
Soft	▶	▶	▶	▶	▶	▶	

ø 5.0mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill (Half)	5.0 Fixture
D4			▶				Implant placement
Soft	▶	▶	▶	▶	▶	▶	

※ **Recommended implant torque : 40Ncm or less**

※ TSIV Fixture is used for implantation in maxillary sinus or soft bone and, in case of normal or higher-quality bone, guide is not required.

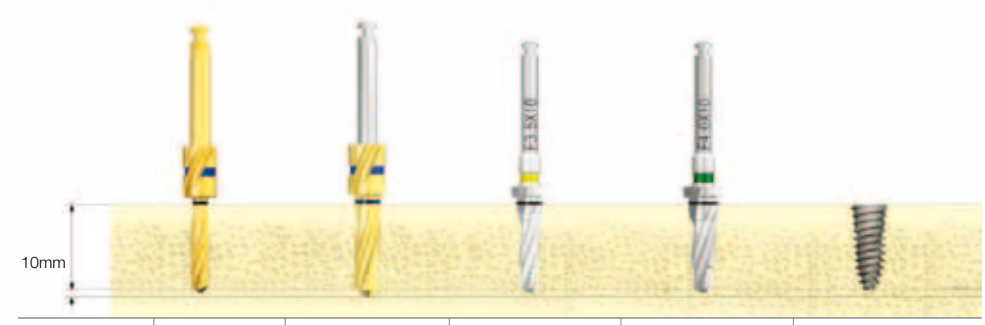
※ TSIV Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

TSIV Fixture (Taper Drill)

ø 4.0mm Fixture (Length : 10mm)

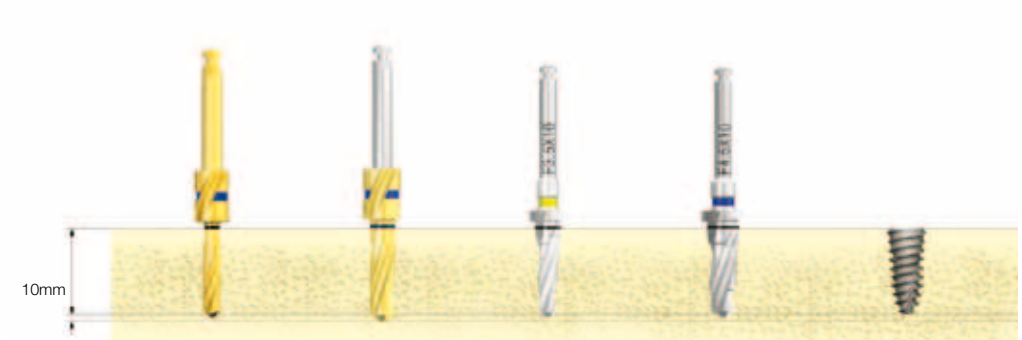
Bone quality	ø 2.0 drill	F3.5 taper drill	4.0 Fixture
D4	▶		Implant placement
Soft	▶	▶	

ø 4.5mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	ø 3.0 drill	F3.5 taper drill	F4.0 taper drill	4.5 Fixture
D4		▶			Implant placement
Soft	▶		▶	▶	

ø 5.0mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	ø 3.0 drill	F3.5 taper drill	F4.5 taper drill	5.0 Fixture
D4		▶			Implant placement
Soft	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

※ TSIV Fixture is used for implantation in maxillary sinus or soft bone and, in case of normal or higher-quality bone, guide is not required.

※ TSIV Fixture has large thread pitch and high implantation speed; therefore, it is recommended to perform implantation with reduction of the speed to 15rpm or lower level.

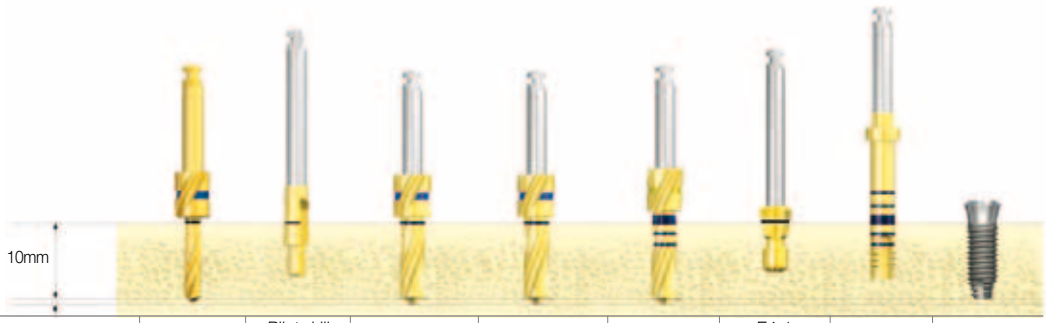
Drilling Sequence for SSII RBM

SSII RBM Fixture

ø 3.3mm Fixture (Length : 10mm)

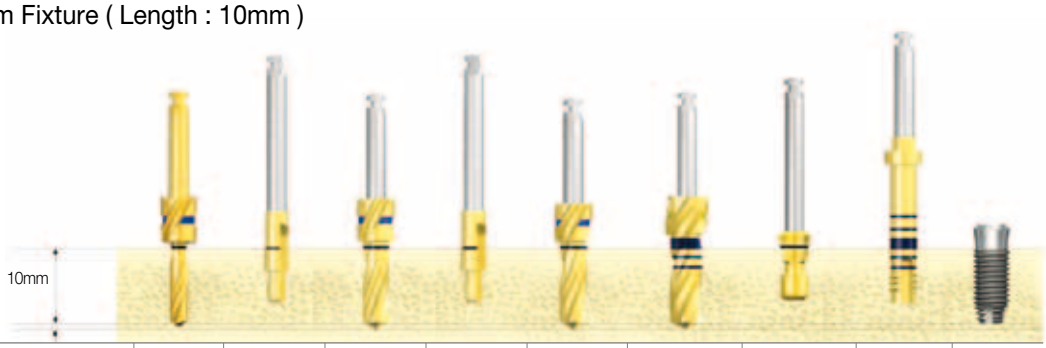
Bone quality	ø 2.0 drill	Pilot drill (2.0/2.7)	ø 2.7 drill	F3.3 Countersink	F3.3 Tap	3.3 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	optional		
Hard	▶	▶	▶	optional	▶	

ø 4.1mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.3 drill	ø 3.6 drill	F4.1 Countersink	F4.1 Tap	4.1 Fixture
Soft	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	optional	▶	

ø 4.8mm Fixture (Length : 10mm)



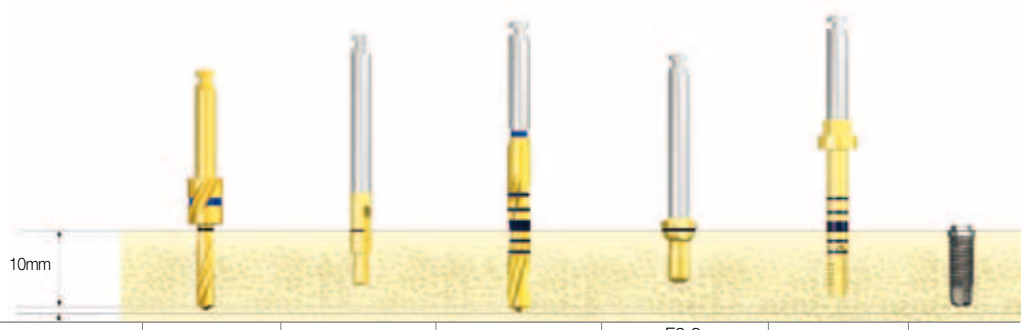
Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	F4.8 Countersink	F4.8 Tap	4.8 Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	▶	optional	▶	

※ **Recommended implant torque : 40Ncm or less**

Drilling Sequence for USII RBM

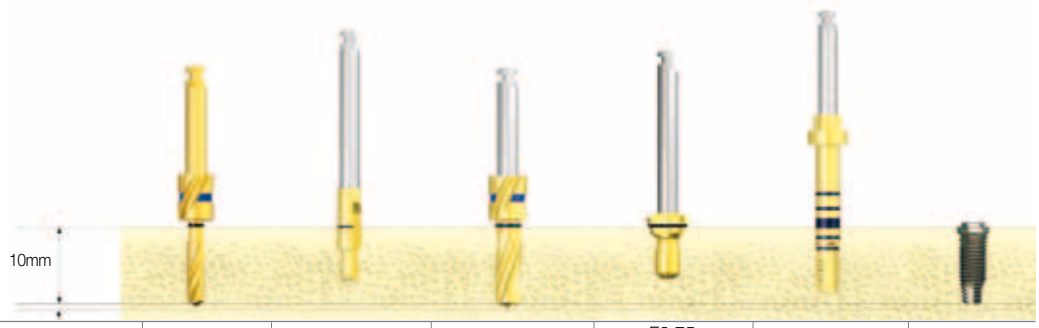
USII RBM Fixture

ø 3.3mm Fixture (Length :10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/2.7)	ø 2.7 drill	F3.3 Countersink	F3.3 Tap	3.3 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	optional		
Hard	▶	▶	▶	optional	▶	

ø 3.75mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	F3.75 Countersink	F3.75 Tap	3.75 Fixture
Soft	▶	▶				Implant placement
Normal	▶	▶	▶	optional		
Hard	▶	▶	▶	optional	▶	

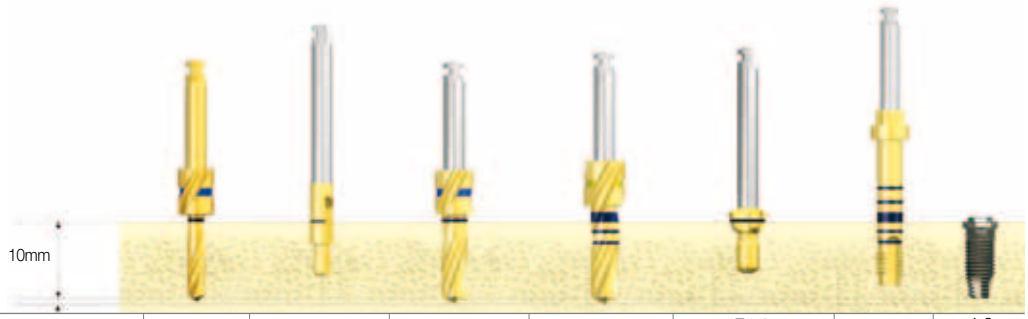
※ **Recommended implant torque : 40Ncm or less**

KIT

Drilling Sequence for USII RBM

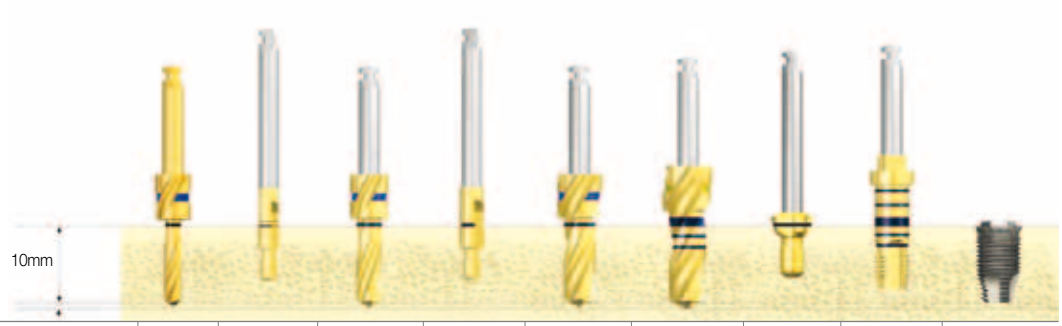
USII RBM Fixture

ø 4.0mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	ø 3.3 drill	F4.0 Countersink	F4.0 Tap	4.0 Fixture
Soft	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	optional	▶	

ø 5.0mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.3 drill	F5.0 Countersink	F5.0 Tap	5.0Fixture
Soft	▶	▶	▶	▶	▶				Implant placement
Normal	▶	▶	▶	▶	▶	▶	optional		
Hard	▶	▶	▶	▶	▶	▶	optional	▶	

※ **Recommended implant torque : 40Ncm or less**

Drilling Sequence for Ultra-Wide®

GSII / SSII / USII RBM Ultra-Wide® Fixture

ø 6.0 mm Fixture (Length : 10mm)

Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.2 direct drill	ø 5.5 direct drill	F6.0 Cortical Drill	ø 6.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

ø 7.0 mm Fixture (Length : 10mm)

Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.5 direct drill	ø 6.2 direct drill	ø 6.5 direct drill	F7.0 Cortical Drill	ø 7.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

KIT

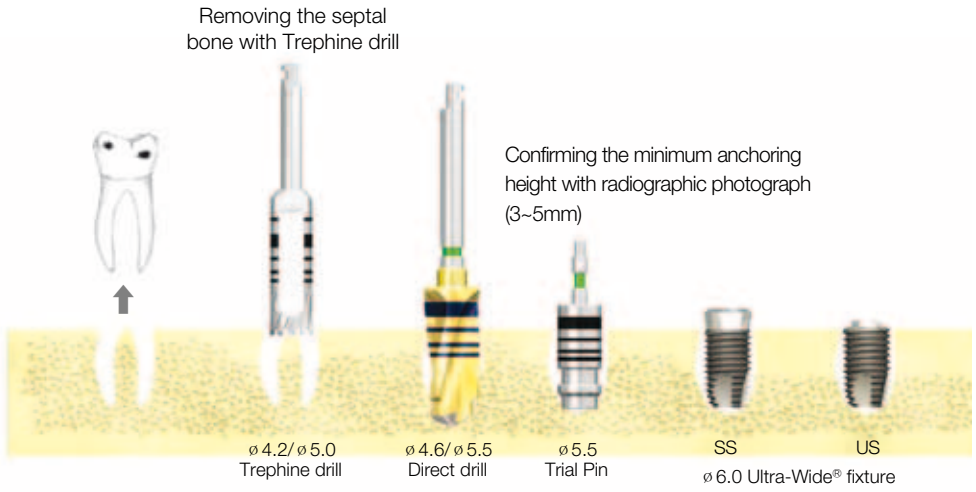
Drilling Sequence for Ultra-Wide®

SSII / USII RBM Ultra-Wide® Fixture

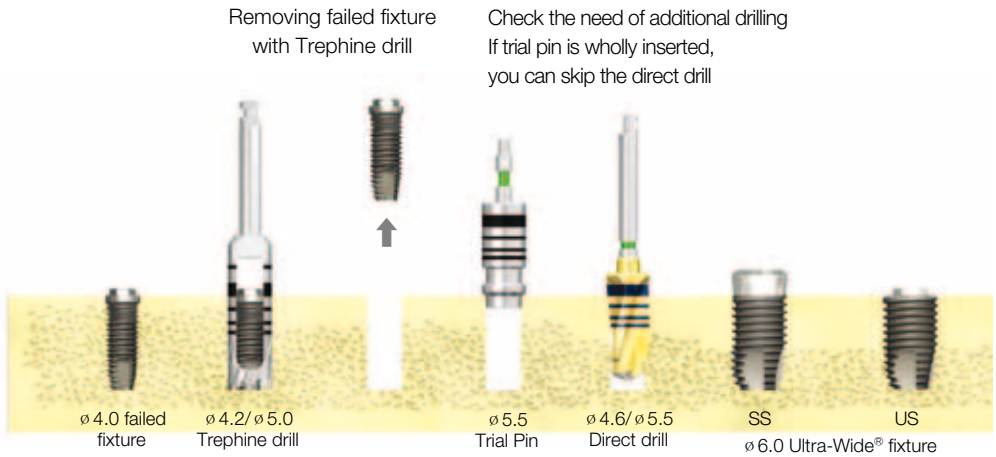
Drilling Sequence with Trephine in the healed mature bone (ø 6.0 Ultra-Wide® fixture, Length : 10mm)

Bone quality	ø 4.2/5.0 Trephine drill	ø 4.6/5.2 Direct drill	ø 4.6/5.5 Direct drill	F6.0 Cortical drill	6.0 Fixture
Soft	▶	▶			Implant placement
Normal	▶		▶		
Hard	▶		▶	▶	

Immediate placement at the extraction socket (ø 6.0 Ultra-Wide® fixture, Length : 10mm)

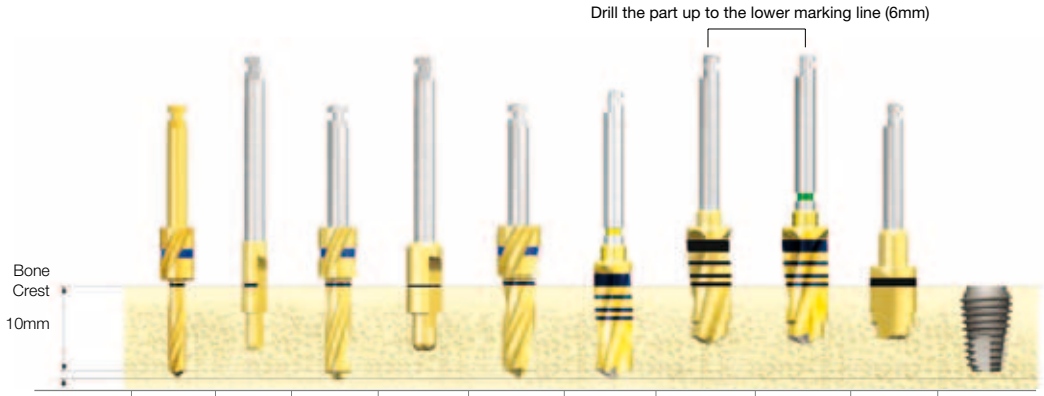


Immediate replacement of the failed implant (ø 6.0 Ultra-Wide® fixture, Length : 10mm)



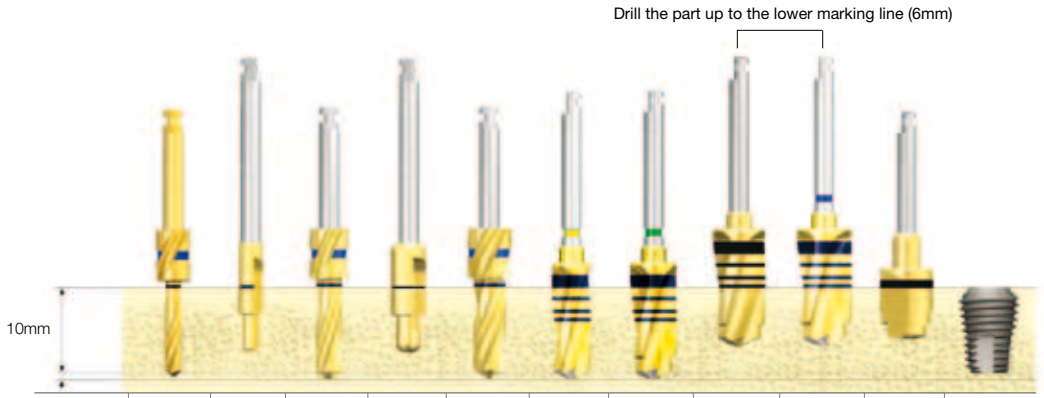
TSIII SA Ultra-Wide® Fixture (Straight Drill)

ø 6.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.2 direct drill	ø 5.5 direct drill	F6.0 Cortical Drill	ø 6.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

ø 7.0 mm Fixture (Length : 10mm)



Bone quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	ø 4.6 drill	ø 5.5 direct drill	ø 6.2 direct drill	ø 6.5 direct drill	F7.0 Cortical Drill	ø 7.0 Fixture
Soft	▶	▶	▶	▶	▶	▶	▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

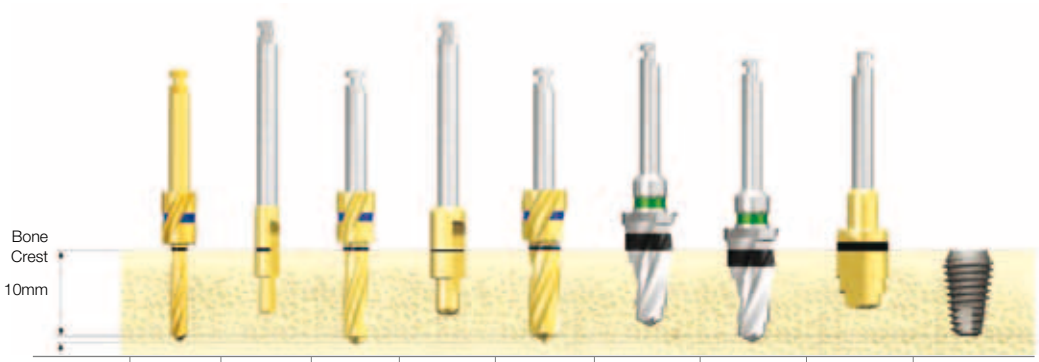
※ **TS/GS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

Drilling Sequence for Ultra-Wide®

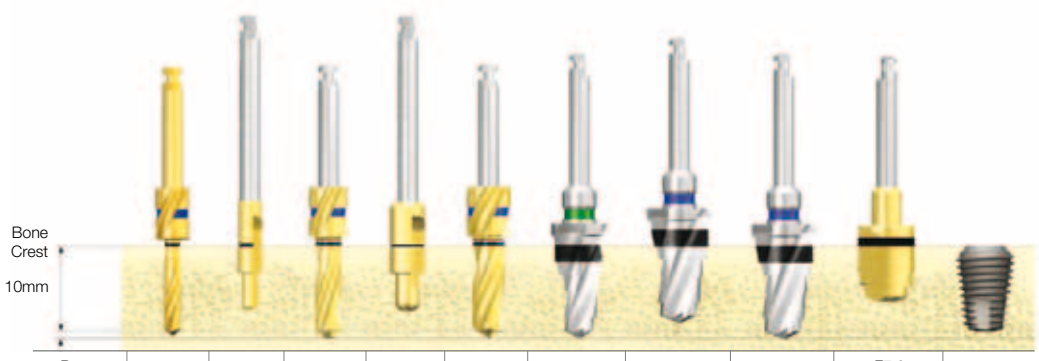
TSIII Ultra-Wide® Fixture (Taper Drill)

ø 6.0 mm Fixture (Length : 10mm)



Bone Quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	F6.0 Taper Drill	F6.0 Taper Drill	F6.0 Cortical Drill	ø 6.0 Fixture
Soft	▶	▶	▶	▶		▶			Implant placement
Normal	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶		▶	▶	

ø 7.0 mm Fixture (Length : 10mm)



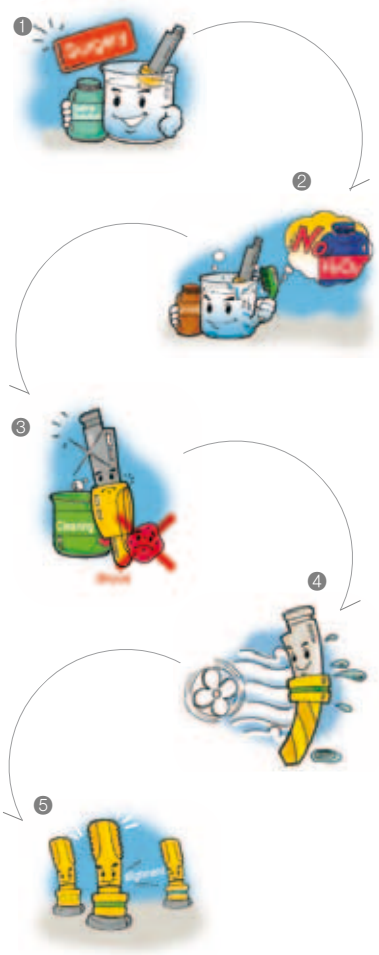
Bone Quality	ø 2.0 drill	Pilot drill (2.0/3.0)	ø 3.0 drill	Pilot drill (3.0/3.8)	ø 3.8 drill	F6.0 Taper Drill	F7.0 Taper Drill	F7.0 Taper Drill	F7.0 Cortical Drill	ø 7.0 Fixture
Soft	▶	▶	▶	▶		▶	▶			Implant placement
Normal	▶	▶	▶	▶	▶	▶		▶		
Hard	▶	▶	▶	▶	▶	▶		▶	▶	

※ **Recommended implant torque : 40Ncm or less**

※ **TS/GS fixture implant depth guide**

- In case of normal or higher-quality bone, it is recommended to implant deeper than bone level by 1mm or less.
- In case of soft bone, it is recommended to implant to meet the bone level for maintenance of anchoring force.

How to manage KIT



① During operation, keep used tools in saline solution or in distilled water.

② When the operation has been completed, soak all the used tools in alcohol for washing.

Caution

Washing with hydrogen peroxide is prohibited. Exposure to hydrogen peroxide may discolor the laser marking and TiN coating.

③ Wash blood stains and other foreign matter clean with distilled water or flowing water.

④ Remove the moisture with a dry cloth or a hot air blower.

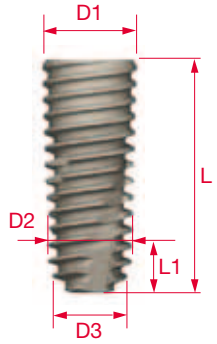
⑤ Set the dried tools in the KIT case.
(Refer to the color coding for setting the tools in the kit case.)

⑥ After setting, sterilize the kit in an autoclave at 132℃ for 15 minutes and store room temperature.

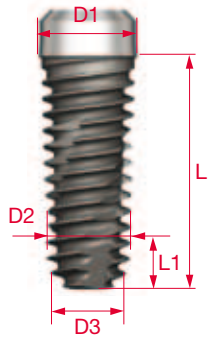
Caution: After an operation, separate all the tools used in the operation immediately, and wash them before storage.
It is highly recommended to sterilize the Surgical KIT again before an operation (temperature: 132°C, time: 15 min)
The warranty period of the Surgical KIT is One Year after first opening the package, and the warranty cycles of the Drills and Drivers is 50 cycles

Actual Dimensions of
TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM

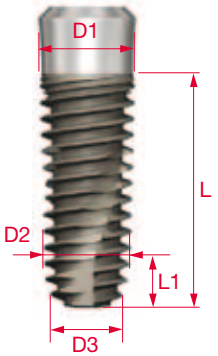
TSIII / SSIII SA / SSIII RBM / USIII SA / USIII RBM Fixture



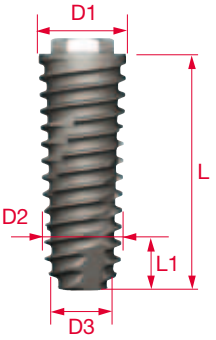
TSIII



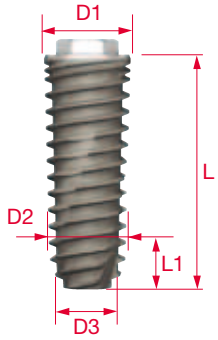
SSIII SA



SSIII RBM



USIII SA



USIII RBM

(Unit : mm)

	L	D1	D2	D3	L1
Fixture 3.5	8.5	3.8	3.4	2.5	1.3
	10.0	3.8	3.3	2.5	1.3
	11.5	3.8	3.2	2.5	1.3
	13.0	3.8	3.2	2.5	1.3
	15.0	3.8	3.1	2.5	1.3

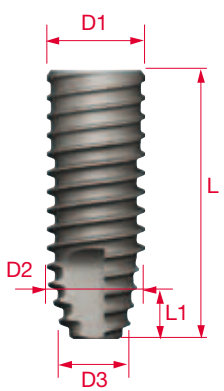
	L	D1	D2	D3	L1
Fixture 4.0	7.0	4.3	4.0	2.8	1.0
	8.5	4.3	3.9	2.8	1.3
	10.0	4.2	3.8	2.8	1.3
	11.5	4.2	3.7	2.8	1.3
	13.0	4.2	3.7	3.1	4.0
	15.0	4.2	3.7	3.1	5.0

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.7	4.4	3.1	1.0
	8.5	4.6	4.3	3.1	1.3
	10.0	4.6	4.2	3.1	1.3
	11.5	4.6	4.1	3.1	1.3
	13.0	4.6	4.1	3.5	4.0
	15.0	4.6	4.1	3.5	5.0

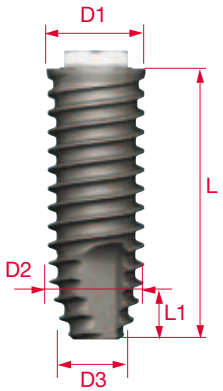
	L	D1	D2	D3	L1
Fixture 5.0	6.0	5.1	4.9	3.7	1.0
	7.0	5.1	4.9	3.7	1.0
	8.5	5.1	4.8	3.7	1.3
	10.0	5.1	4.8	3.7	1.3
	11.5	5.1	4.7	3.7	1.3
	13.0	5.1	4.8	4.0	4.0
	15.0	5.1	4.7	4.0	5.0

Actual Dimensions of TSII / USII SA

TSII / USII SA Fixture



TSII



USII SA

(Unit : mm)

	L	D1	D2	D3	L1
Fixture 3.5	8.5	3.5	3.5	2.6	2.0
	10.0	3.5	3.5	2.6	2.5
	11.5	3.5	3.5	2.6	2.5
	13.0	3.5	3.5	2.6	2.5
	15.0	3.5	3.5	2.6	2.5

	L	D1	D2	D3	L1
Fixture 4.0 (USII SA)	7.0	4.2	4.1	2.9	1.5
	8.5	4.2	4.1	2.9	2.0
	10.0	4.2	4.1	2.9	2.5
	11.5	4.2	4.1	2.9	2.5
	13.0	4.2	4.1	2.9	2.5
	15.0	4.2	4.1	2.9	2.5

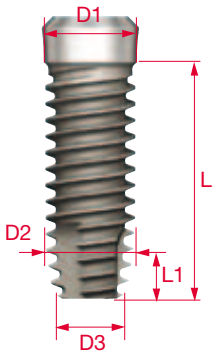
	L	D1	D2	D3	L1
Fixture 4.0 (TSII SA)	7.0	4.2	4.2	2.9	1.5
	8.5	4.2	4.2	2.9	2.0
	10.0	4.2	4.2	2.9	2.5
	11.5	4.2	4.2	2.9	2.5
	13.0	4.2	4.2	2.9	2.5
	15.0	4.2	4.2	2.9	2.5

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.4	4.4	3.1	1.5
	8.5	4.4	4.4	3.1	2.0
	10.0	4.4	4.4	3.1	2.5
	11.5	4.4	4.4	3.1	3.0
	13.0	4.4	4.4	3.1	3.0
	15.0	4.4	4.4	3.1	3.0

	L	D1	D2	D3	L1
Fixture 5.0	6.0	5.0	5.0	4.3	0.5
	7.0	4.9	4.9	3.3	2.0
	8.5	4.9	4.9	3.3	2.0
	10.0	4.9	4.9	3.3	2.5
	11.5	4.9	4.9	3.3	3.0
	13.0	4.9	4.9	3.3	3.0
	15.0	4.9	4.9	3.3	3.0

Actual Dimensions of SSII SA

SSII SA Fixture



SSII SA

KIT

(Unit : mm)

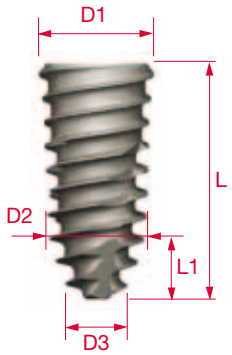
	L	D1	D2	D3	L1
Fixture 4.0	7.0	4.1	4.1	3.3	1.5
	8.5	4.1	4.1	3.3	2.0
	10.0	4.1	4.1	3.3	2.5
	11.5	4.1	4.1	3.3	2.5
	13.0	4.1	4.1	3.3	2.5
	15.0	4.1	4.1	3.3	2.5

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.4	4.4	3.7	1.5
	8.5	4.4	4.4	3.7	2.0
	10.0	4.4	4.4	3.7	2.5
	11.5	4.4	4.4	3.7	2.5
	13.0	4.4	4.4	3.7	2.5
	15.0	4.4	4.4	3.7	2.5

	L	D1	D2	D3	L1
Fixture 5.0	6.0	5.0	5.0	4.2	1.5
	7.0	4.9	4.9	4.2	1.5
	8.5	4.9	4.9	4.2	2.0
	10.0	4.9	4.9	4.2	2.5
	11.5	4.9	4.9	4.2	2.5
	13.0	4.9	4.9	4.2	2.5
	15.0	4.9	4.9	4.2	2.5

Actual Dimensions of TSIV

TSIV Fixture



TSIV SA

(Unit : mm)

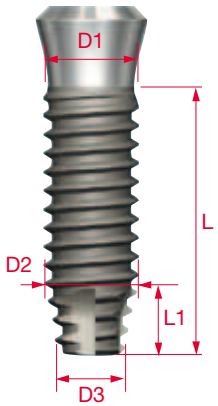
	L	D1	D2	D3	L1
Fixture 4.0	7.0	4.45	3.8	1.8	2
	8.5	4.45	3.9	1.8	3
	10.0	4.45	4.0	1.8	4
	11.5	4.45	4.0	1.8	5
	13.0	4.45	4.0	1.8	6

	L	D1	D2	D3	L1
Fixture 4.5	7.0	4.85	4.0	2.0	2
	8.5	4.85	4.2	2.0	3
	10.0	4.85	4.3	2.0	4
	11.5	4.85	4.3	2.0	5
	13.0	4.85	4.3	2.0	6

	L	D1	D2	D3	L1
Fixture 5.0	7.0	5.3	4.3	2.2	2
	8.5	5.3	4.6	2.2	3
	10.0	5.3	4.7	2.2	4
	11.5	5.3	4.7	2.2	5
	13.0	5.3	4.6	2.2	6

Actual Dimensions of SSII RBM

SSII RBM Fixture



SSII RBM

KIT

(Unit : mm)

	L	D1	D2	D3	L1
Mini P3.5 / ø3.3	8.5	3.3	3.3	2.7	2.5
	10.0	3.3	3.3	2.7	2.5
	11.5	3.3	3.3	2.7	2.5
	13.0	3.3	3.3	2.7	2.5
	15.0	3.3	3.3	2.7	2.5

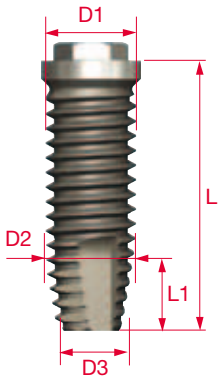
	L	D1	D2	D3	L1
Regular P4.8 / ø4.1	7.0	4.1	4.1	2.9	2.2
	8.5	4.1	4.1	2.9	2.2
	10.0	4.1	4.1	3.2	3.0
	11.5	4.1	4.1	3.2	3.0
	13.0	4.1	4.1	3.2	3.0
	15.0	4.1	4.1	3.2	3.0

	L	D1	D2	D3	L1
Regular P4.8 / ø4.8	7.0	4.8	4.8	3.9	2.2
	8.5	4.8	4.8	3.9	3.0
	10.0	4.8	4.8	3.9	3.0
	11.5	4.8	4.8	3.9	3.0
	13.0	4.8	4.8	3.9	3.0
	15.0	4.8	4.8	3.9	3.0

	L	D1	D2	D3	L1
Wide P6.0 / ø4.8	7.0	4.8	4.8	4.0	2.2
	8.5	4.8	4.8	4.0	2.2
	10.0	4.8	4.8	3.9	3.0
	11.5	4.8	4.8	3.9	3.0
	13.0	4.8	4.8	3.9	3.0
	15.0	4.8	4.8	3.9	3.0

Actual Dimensions of USII RBM

USII RBM Fixture



USII RBM

(Unit : mm)

	L	D1	D2	D3	L1
Mini P3.5 / ø2.4	8.1	3.3	3.3	2.0	2.0
	9.6	3.3	3.3	2.5	2.0
	11.1	3.3	3.3	2.5	2.0
	12.6	3.3	3.3	2.5	2.0
	14.6	3.3	3.3	2.5	2.0

	L	D1	D2	D3	L1
Regular P4.1 / ø3.75	6.6	3.7	3.7	2.3	2.0
	8.1	3.7	3.7	2.3	2.0
	9.6	3.7	3.7	2.3	2.5
	11.1	3.7	3.7	2.3	2.5
	12.6	3.7	3.7	2.3	2.5
	14.6	3.7	3.7	2.3	2.5

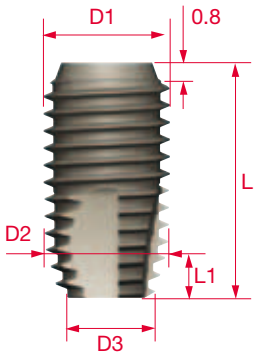
	L	D1	D2	D3	L1
Regular P4.1 / ø4.0	6.6	4.0	4.0	2.5	2.0
	8.1	4.0	4.0	2.5	2.0
	9.6	4.0	4.0	2.5	2.5
	11.1	4.0	4.0	2.5	2.5
	12.6	4.0	4.0	2.5	2.5
	14.6	4.0	4.0	2.5	2.5

	L	D1	D2	D3	L1
Wide P5.1 / ø5.0	6.6	5.0	5.0	3.3	2.0
	8.1	5.0	5.0	3.3	2.0
	9.6	5.0	5.0	3.0	2.5
	11.1	5.0	5.0	3.0	2.5
	12.6	5.0	5.0	3.0	2.5
	14.6	5.0	5.0	3.0	2.5

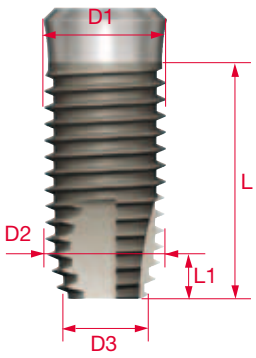
	L	D1	D2	D3	L1
Wide P5.1 / ø5.5	6.6	5.5	5.5	3.6	2.0
	8.1	5.5	5.5	3.6	2.0
	9.6	5.5	5.5	3.3	2.5
	11.1	5.5	5.5	3.3	2.5
	12.6	5.5	5.5	3.3	2.5
	14.6	5.5	5.5	3.3	2.5

Actual Dimensions of GSII / SSII / USII RBM Ultra-Wide®

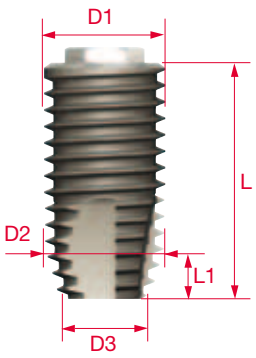
GSII / SSII / USII RBM Ultra-Wide® Fixture



GSII Ultra



SSII Ultra



USII Ultra

(Unit : mm)

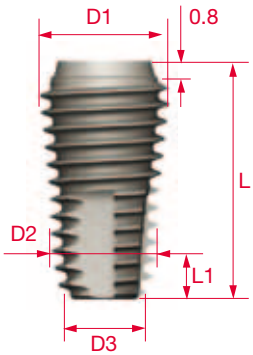
	L	D1	D2	D3	L1
Fixture 6.0	6.0	5.9	5.9	4.8	1.5
	7.0	5.9	5.9	4.8	1.5
	8.5	5.9	5.9	4.7	2
	10.0	5.9	5.9	4.7	2
	11.5	5.9	5.9	4.7	2.5
	13.0	5.9	5.9	4.7	2.5

	L	D1	D2	D3	L1
Fixture 7.0	6.0	6.9	6.9	5.8	1.5
	7.0	6.9	6.9	5.8	1.5
	8.5	6.9	6.9	5.7	2
	10.0	6.9	6.9	5.7	2
	11.5	6.9	6.9	5.7	2.5
	13.0	6.9	6.9	5.7	2.5

※ SSII Ultra-wide : exception 6mm

Actual Dimensions of TSIII SA Ultra-Wide®

TSIII SA Ultra-Wide Fixture



TSIII SA Ultra

(Unit : mm)

	L	D1	D2	D3	L1
Fixture 6.0	6.0	6	5.5	4.5	1.4
	7.0	6	5.2	4.3	1.5
	8.5	6	5.1	4.2	2
	10.0	6	5.1	4.2	2.8
	11.5	5.9	5.0	4.2	3.3
	13.0	5.9	5.0	4.2	4.5

	L	D1	D2	D3	L1
Fixture 7.0	6.0	6.8	6.4	5.4	1.4
	7.0	6.8	6	5.2	1.5
	8.5	6.8	5.9	5.1	2.5
	10.0	6.8	5.8	5.1	3
	11.5	6.8	5.7	5.0	4
	13.0	6.8	5.7	4.9	5

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