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2022.09_VER.06-1

TOPLAN IMPLANT SYSTEM



Toplan

TOPLAN IMPLANT SYSTEM

Toplan Product Catalogue / Rev. 06-1

TOPLAN IMPLANT
TOTAL CATALOG 2022.09

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LAB OF TOPLAN

The goal of Toplan implant Lab is the development of the most popular and stable dental implant, which is the standardization of the products for global implant market.

Toplan implant has developed dental products that put first priority on safety and convenience of procedure after placement, based on its experience and infrastructure. In particular, in terms of Surface Modification Techniques, we have applied SA surface modification techniques, which has been clinically verified for more than 10 years, to achieve the highest success rate of Osseointegration in Korea. We continue to invest in R&D to advance into overseas markets as well as Korea.

Toplan's implant lab is constantly striving to develop the most stable implants in the global market to become the standard.



HISTORY

2021

- 01 | 2021 Consumer's Most Trusted Brand Grand Prize
- 03 | CE mark authentication
- 04 | CAD/CAM Milling Machine launched
- 06 | Regenomatrix Membrane launched
Participated in AEEDC Exhibition in Dubai
- 07 | WOPICK Oral Sanitizer launched
- 09 | UV Active Implant launched
TopGuide launched
Participated in IDS Exhibition in Germany
- 10 | Toplan products launched in Iran and Iraq
- 11 | T2 Video Equipment Launched
K5 Unit Chair launched

2019

- 01 | ISO 13485 Certified
- 02 | T01 Mini lineup launched
T01 Drill Stopper Kit launched
Osstell ISQ launched
Regenomer bone graft launched
- 09 | T02 Abutment lineup launched
Sinus Kit launched
- 10 | TDP (Toplan Digital Prosthesis) System launched
Oral lactic acid bacteria (Biogaia) launched
- 12 | Osstell Beacon launched
SM5 Engine launched
Export license for Vietnam completed

2020

- 01 | Equimatrix Collagen launched
- 02 | Port Overdenture abutment launched
Air sterilizer X-PLA, Air PLA launched
Participated in AEEDC in Dubai
- 04 | Inno Ass Allograft launched
Topgen-P Xenograft launched
Xeno Gide membrane launched
- 05 | Taper Kit launched
Toplan products launched in Thailand
- 07 | CCM Abutment launched
- 09 | Plazma sterilizer (EX Plasma) launched
Toplan dental mask launched
- 10 | TRIOS Intraoral scanner launched
Toplan products launched in Taiwan

2018

- 01 | T01 Dental Implant launched
SM3 Engine launched
Vussen whitening toothpaste launched
- 04 | Topgen-X Xenograft launched
Topgen-S Synthetic bone graft launched
Custom Abutment launched
- 07 | Ossguide membrane launched
Bio-MEM membrane launched
CAS Kit launched
- 12 | TSR / TFR Kit launched

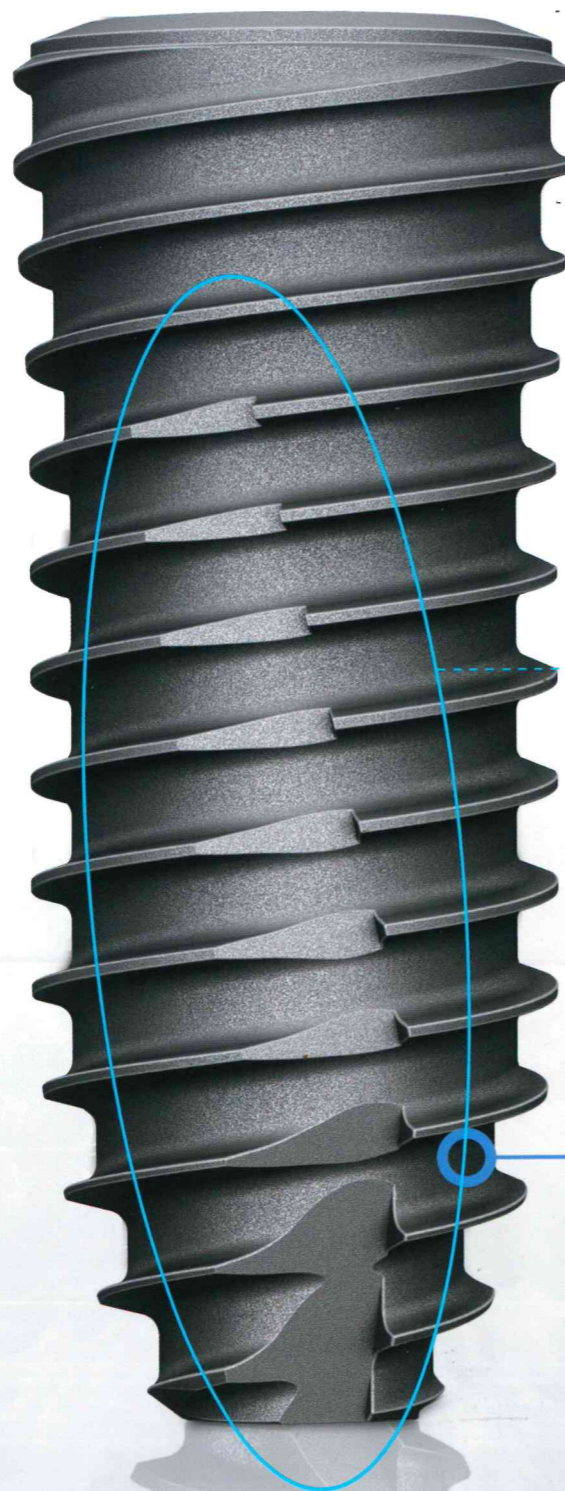
2017

- 01 | Toplan established
Toplan agreement with
World-level Implant partner for R&D
- 08 | Development of T01 Implant system completed
- 10 | Toplan Ansan plant KGMP certified
- 12 | Toplan launched 15 sales branch in Korea

**DISTINGUISHED
FEATURE
OF TOPLAN**

T01

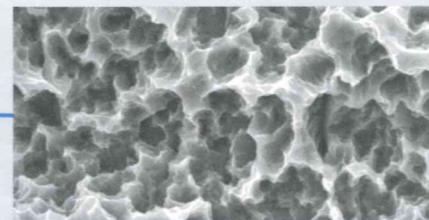
- Taper body with excellent placement
- Excellent initial fixation
- Proven SA surface treatment
- High hardness in screw and abutment connections
- Excellent surgical procedural convenience
- Recommended placement torque : 30~45Ncm



SMALL
THREAD

CORKSCREW
THREAD

CUTTING
EDGE



SA SURFACE

- Surface roughness of Ra 2.0~2.5 μ m
- Uniform micro-pit size of 1 ~ 3 μ m
- Excellent bone response performance
- Biologically safe

TAPERED DESIGN

As the product is designed similar to natural dental root, it is favorable for bone formation and is suitable for immediate & early loading.

SMALL THREAD

Secures the initial fixing force in Soft Bone.

CORKSCREW THREAD & CUTTING EDGE

Easy to adjust the depth and the path of insertion with powerful Self-threading effect

DOUBLE THREAD

Operation time is reduced due to the Double Thread.



Internal Hex
Submerged type implant with
internal hex and
11° Taper structure



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Part 1

Fixture & Abutment

13

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Fixture & Abutment

FIXTURE

- Submerged type implant with internal hex and 11° Taper structure
- Taper Body with a great initial fixation
- High Strength of Screw and Abutment Connections
- Recommended placement torque: 30 ~ 45Ncm

FIXTURE ORDER CODE

: T01+4.5+8+SA
 (System + Diameter + Length + Surface)
 = **T014508S**

COVER SCREW · Regular: Diameter 3.6 / Length 6.37

- T01 : Connect using 1.28 Hex Driver for hands
- T02 : Connect using 1.2 Hex Driver for hands
- Recommended tightening torque: Less than 5Ncm
- Must use sterilized products



D Ø 3.6
Hex 2.5

R

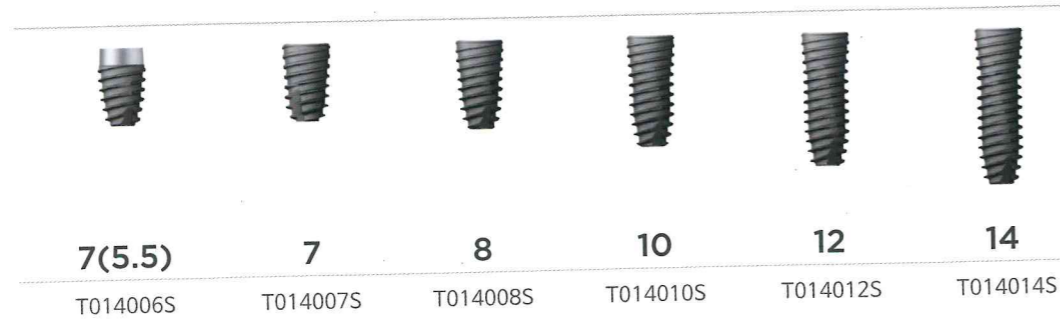
L(mm)



D Ø 4.0
Hex 2.5

R

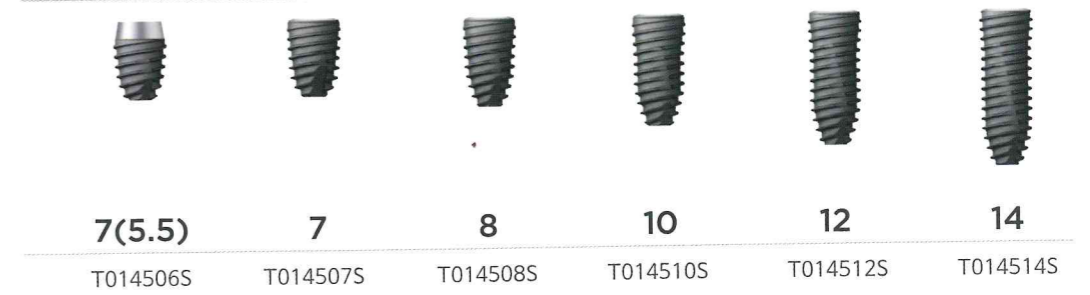
L(mm)



D Ø 4.5
Hex 2.5

R

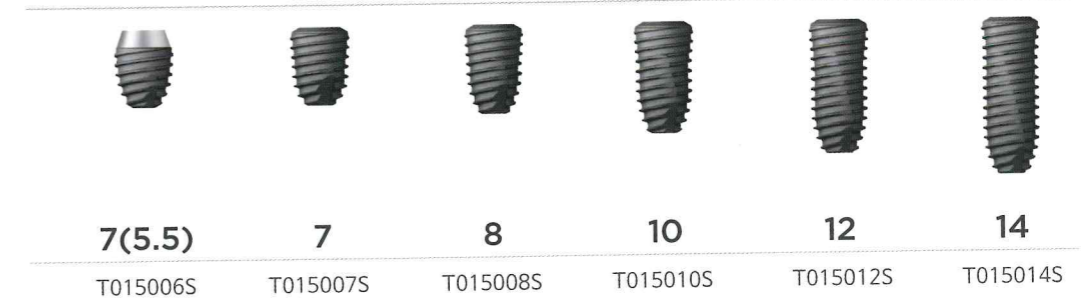
L(mm)



D Ø 5.0
Hex 2.5

R

L(mm)



Ultra-WIDE

D Ø 6.0
Hex 2.5

R

L(mm)



D Ø 7.0
Hex 2.5

R

L(mm)



HEALING ABUTMENT

- 1.28 / 1.20 hex
- Use 1.28 or 1.20 hex driver depending on abutment type
- Recommended tightening torque: Less than 10Ncm

Height (mm)	마킹
2.0	US
3.5	S
5.0	M
7.0	L



D Ø 4.0

R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	2.0	3.0	4.0
2.0	3.5	5.0	7.0
T01HA402020	T01HA402035	T01HA403050	T01HA404070
T02HA402020	T02HA402035	T02HA403050	T02HA404070

D Ø 4.5

R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	2.0	3.0	4.0
2.0	3.5	5.0	7.0
T01HA452020	T01HA452035	T01HA453050	T01HA454070
T02HA452020	T02HA452035	T02HA453050	T02HA454070

D Ø 5.5

R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	2.0	3.0	4.0
2.0	3.5	5.0	7.0
T01HA552020	T01HA552035	T01HA553050	T01HA554070
T02HA552020	T02HA552035	T02HA553050	T02HA554070

D Ø 6.5

R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	2.0	3.0	4.0
2.0	3.5	5.0	7.0
T01HA652020	T01HA652035	T01HA653050	T01HA654070
T02HA652020	T02HA652035	T02HA653050	T02HA654070

D Ø 7.5

R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	3.0
3.5	5.0
T01HA752035	T01HA753050
T02HA752035	T02HA753050

D Ø 8.5

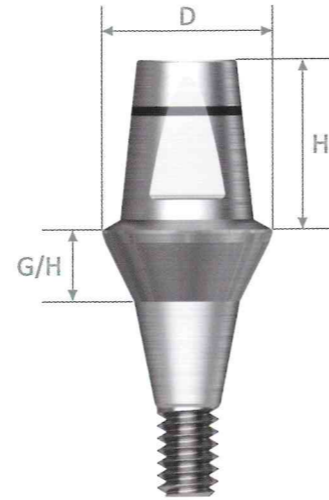
R

G/H
H(mm)
1.28 Hex
1.2 Hex

2.0	3.0
3.5	5.0
T01HA852035	T01HA853050
T02HA852035	T02HA853050

TO1 ONE ABUTMENT

- 1.28 Hex only
- Abutment for cement-maintained prosthesis fabrication
- Connect using 1.28 Hex Driver
- Recommended tightening torque: 30Ncm



D Ø 4.5

R

G/H
H(mm) **4.0**
5.5

1.0	1.5	2.5	3.5	4.5	5.5
T01OA4510S	T01OA4515S	T01OA4525S	T01OA4535S	T01OA4545S	T01OA4555S
T01OA4510L	T01OA4515L	T01OA4525L	T01OA4535L	T01OA4545L	T01OA4555L

D Ø 5.5

R

G/H
H(mm) **4.0**
5.5

1.5	2.5	3.5	4.5	5.5
T01OA5515S	T01OA5525S	T01OA5535S	T01OA5545S	T01OA5555S
T01OA5515L	T01OA5525L	T01OA5535L	T01OA5545L	T01OA5555L

D Ø 6.5

R

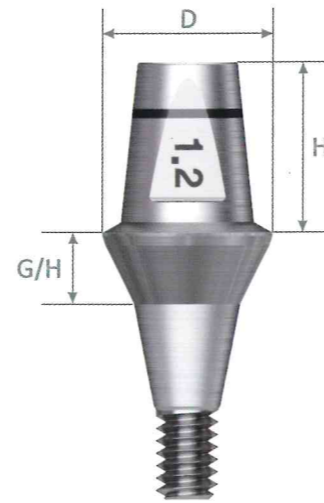
G/H
H(mm) **4.0**
5.5

1.5	2.5	3.5	4.5	5.5
T01OA6515S	T01OA6525S	T01OA6535S	T01OA6545S	T01OA6555S
T01OA6515L	T01OA6525L	T01OA6535L	T01OA6545L	T01OA6555L

T02 ONE ABUTMENT

- 1.2 Hex only

- Abutment for cement-maintained prosthesis fabrication
- Connect using 1.2 Hex Driver
- Recommended tightening torque: 30Ncm



D Ø 4.5

R

G/H

H(mm) 4.0

5.5



T02OA4510S	T02OA4515S	T02OA4525S	T02OA4535S	T02OA4545S	T02OA4555S
T02OA4510L	T02OA4515L	T02OA4525L	T02OA4535L	T02OA4545L	T02OA4555L

D Ø 5.5

R

G/H

H(mm) 4.0

5.5



T02OA5515S	T02OA5525S	T02OA5535S	T02OA5545S	T02OA5555S
T02OA5515L	T02OA5525L	T02OA5535L	T02OA5545L	T02OA5555L

D Ø 6.5

R

G/H

H(mm) 4.0

5.5






T02OA6515S	T02OA6525S	T02OA6535S	T02OA6545S	T02OA6555S
T02OA6515L	T02OA6525L	T02OA6535L	T02OA6545L	T02OA6555L

ONE ABUTMENT Components

Comfort Cap

- Used to protect one abutment in the oral cavity and minimize foreign body sensation for the patient
- Able to be applied in lower structure of a temporary prosthetic

R

D \ H	4.0	5.5	7.0
Ø 4.5	 T01ALCC45S	 T01ALCC45M	 T01ALCC45L
Ø 5.5	T01ALCC55S	T01ALCC55M	T01ALCC55L
Ø 6.5	T01ALCC65S	T01ALCC65M	T01ALCC65L

Impression Coping

- Used in taking impressions of one abutment




R

D \ H	4.0 / 5.5 / 7.0
Ø 4.5	 T01ALIC45
Ø 5.5	T01ALIC55
Ø 6.5	T01ALIC65

Lab Analog

- Achieves one abutment on a working model



R

D \ H	4.0	5.5	7.0
Ø 4.5	 T01ALLA45S	 T01ALLA45M	 MRT01ALLA45L
Ø 5.5	T01ALLA55S	T01ALLA55M	T01ALLA55L
Ø 6.5	T01ALLA65S	T01ALLA65M	-

Comfort Cap

- Used to protect one abutment in the oral cavity and minimize foreign body sensation for the patient
- Able to be applied in lower structure of a temporary prosthetic

R

D \ H	4.0	5.5
Ø 4.5		
Ø 5.5	T01ALCC55SN	T01ALCC55MN

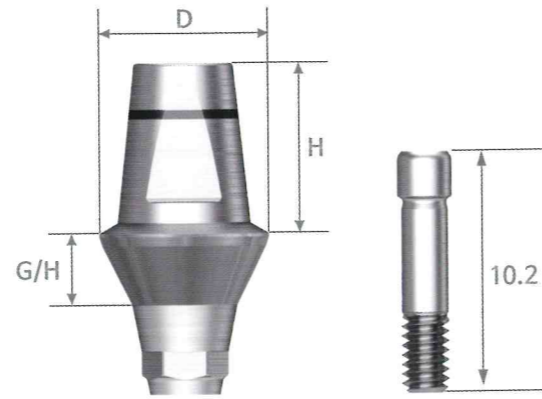
Toplan

T01 TWO ABUTMENT

- 1.28 Hex only
- Abutment for cement/combination-maintained prosthesis fabrication
- Connect by using 1.28 Hex Driver
- Recommended tightening torque: 30Ncm
- Packing unit : Abutment + Screw

ORDER CODE

: Product Code+TH = T01TA4510TH



R T02ABS12

D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0

1.5

2.5

7.0

3.5

4.5

5.5

T01TA4710

T01TA4715

T01TA4725

T01TA4735

T01TA4745

T01TA4755

T01TA4710N

T01TA4715N

T01TA4725N

T01TA4735N

T01TA4745N

T01TA4755N

D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0

1.5

2.5

4.0

3.5

4.5

5.5

T01TA4410

T01TA4415

T01TA4425

T01TA4435

T01TA4445

T01TA4455

T01TA4410N

T01TA4415N

T01TA4425N

T01TA4435N

T01TA4445N

T01TA4455N

D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0

1.5

2.5

5.5

3.5

4.5

5.5

T01TA4510

T01TA4515

T01TA4525

T01TA4535

T01TA4545

T01TA4555

T01TA4510N

T01TA4515N

T01TA4525N

T01TA4535N

T01TA4545N

T01TA4555N

T01 TWO ABUTMENT

- 1.28 Hex only

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



4.0

1.5	2.5	3.5	4.5	5.5
T01TA5415	T01TA5425	T01TA5435	T01TA5445	T01TA5455
T01TA5415N	T01TA5425N	T01TA5435N	T01TA5445N	T01TA5455N

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



5.5

1.5	2.5	3.5	4.5	5.5
T01TA5515	T01TA5525	T01TA5535	T01TA5545	T01TA5555
T01TA5515N	T01TA5525N	T01TA5535N	T01TA5545N	T01TA5555N

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



7.0

1.5	2.5	3.5	4.5	5.5
T01TA5715	T01TA5725	T01TA5735	T01TA5745	T01TA5755
T01TA5715N	T01TA5725N	T01TA5735N	T01TA5745N	T01TA5755N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



4.0

1.5	2.5	3.5	4.5	5.5
T01TA6415	T01TA6425	T01TA6435	T01TA6445	T01TA6455
T01TA6415N	T01TA6425N	T01TA6435N	T01TA6445N	T01TA6455N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



5.5

1.5	2.5	3.5	4.5	5.5
T01TA6515	T01TA6525	T01TA6535	T01TA6545	T01TA6555
T01TA6515N	T01TA6525N	T01TA6535N	T01TA6545N	T01TA6555N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



7.0

1.5	2.5	3.5	4.5	5.5
T01TA6715	T01TA6725	T01TA6735	T01TA6745	T01TA6755
T01TA6715N	T01TA6725N	T01TA6735N	T01TA6745N	T01TA6755N

T02 TWO ABUTMENT

- 1.2 Hex Only

- Used in producing cement-retained prosthetics
- Recommended tightening torque : 30Ncm
- Packing unit : abutment + Screw

ORDER CODE

: Product Code+TH = T02TA4510TH



D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0	1.5	2.5	3.5	4.5	5.5
T02TA4710	T02TA4715	T02TA4725	T02TA4735	T02TA4745	T02TA4755
T02TA4710N	T02TA4715N	T02TA4725N	T02TA4735N	T02TA4745N	T02TA4755N

D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0	1.5	2.5	3.5	4.5	5.5
T02TA4410	T02TA4415	T02TA4425	T02TA4435	T02TA4445	T02TA4455
T02TA4410N	T02TA4415N	T02TA4425N	T02TA4435N	T02TA4445N	T02TA4455N

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



1.5	2.5	3.5	4.5	5.5
T02TA5415	T02TA5425	T02TA5435	T02TA5445	T02TA5455
T02TA5415N	T02TA5425N	T02TA5435N	T02TA5445N	T02TA5455N

D Ø 4.5

R

H(mm)

G/H

Hex

Non-Hex



1.0	1.5	2.5	3.5	4.5	5.5
T02TA4510	T02TA4515 ✓	T02TA4525 ✓	T02TA4535	T02TA4545	T02TA4555
T02TA4510N	T02TA4515N	T02TA4525N	T02TA4535N	T02TA4545N	T02TA4555N

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



1.5	2.5	3.5	4.5	5.5
T02TA5515	T02TA5525	T02TA5535	T02TA5545	T02TA5555
T02TA5515N	T02TA5525N	T02TA5535N	T02TA5545N	T02TA5555N

T02 TWO ABUTMENT

D Ø 5.5

R

H(mm)

G/H

Hex

Non-Hex



	1.5	2.5	3.5	4.5	5.5
Hex	T02TA5715	T02TA5725	T02TA5735	T02TA5745	T02TA5755
Non-Hex	T02TA5715N	T02TA5725N	T02TA5735N	T02TA5745N	T02TA5755N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



	1.5	2.5	3.5	4.5	5.5
Hex	T02TA6415	T02TA6425	T02TA6435	T02TA6445	T02TA6455
Non-Hex	T02TA6415N	T02TA6425N	T02TA6435N	T02TA6445N	T02TA6455N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



	1.5	2.5	3.5	4.5	5.5
Hex	T02TA6515	T02TA6525	T02TA6535	T02TA6545	T02TA6555
Non-Hex	T02TA6515N	T02TA6525N	T02TA6535N	T02TA6545N	T02TA6555N

D Ø 6.5

R

H(mm)

G/H

Hex

Non-Hex



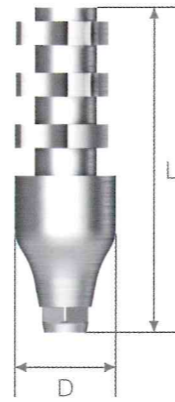
	1.5	2.5	3.5	4.5	5.5
Hex	T02TA6715	T02TA6725	T02TA6735	T02TA6745	T02TA6755
Non-Hex	T02TA6715N	T02TA6725N	T02TA6735N	T02TA6745N	T02TA6755N

T01 IMPRESSION COMPONENT

PICK-UP IMPRESSION COPING

- Takes impression using open tray technique
- Use manual 1.28 hex driver for connection
- Packing unit : Impression coping body + guide pin

ORDER CODE
: Product Code+TH = T01PIC4511TH



L(mm)	
R	DØ 4.0
	DØ 4.5
	DØ 5.5
	DØ 6.5

Hex	Non-Hex
11	
T01PIC4011	T01PIC4011N
T01PIC4511	T01PIC4511N
T01PIC5511	T01PIC5511N
T01PIC6511	T01PIC6511N

Hex	Non-Hex
15	
T01PIC4015	T01PIC4015N
T01PIC4515	T01PIC4515N
T01PIC5515	T01PIC5515N
T01PIC6515	T01PIC6515N

GUIDE PIN

L(mm)	
R	

23 27	
T01PICGS	T01PICGL

LAB ANALOG

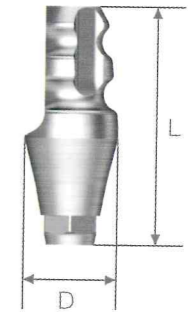
R

T01LA

TRANSFER IMPRESSION COPING

- Takes impression using closed tray technique
- Use manual 1.28 hex driver for connection
- Packing unit : Impression coping + guide pin

ORDER CODE
: Product Code+TH = T01TIC4511TH



L(mm)	
R	DØ 4.0
	DØ 4.5
	DØ 5.5
	DØ 6.5

Hex	Non-Hex
11	
T01TIC4011	T01TIC4011N
T01TIC4511	T01TIC4511N
T01TIC5511	T01TIC5511N
T01TIC6511	T01TIC6511N

Hex	Non-Hex
15	
T01TIC4015	T01TIC4015N
T01TIC4515	T01TIC4515N
T01TIC5515	T01TIC5515N
T01TIC6515	T01TIC6515N

GUIDE PIN

L(mm)	
R	

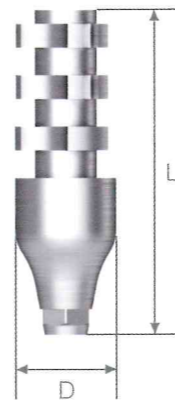
17 21	
T01TICGS	T01TICGL

T02 IMPRESSION COMPONENT

PICK-UP IMPRESSION COPING

- Takes impression using open tray technique
- Use manual 1.2 Hex driver for connection
- Packing unit : Impression coping body + guide pin

ORDER CODE
: Product Code+TH = T02PIC4511TH



L(mm)	
R	DØ 4.0
	DØ 4.5
	DØ 5.5
	DØ 6.5

Hex	Non-Hex
11	
T02PIC4011	T02PIC4011N
T02PIC4511	T02PIC4511N
T02PIC5511	T02PIC5511N
T02PIC6511	T02PIC6511N

Hex	Non-Hex
15	
T02PIC4015	T02PIC4015N
T02PIC4515	T02PIC4515N
T02PIC5515	T02PIC5515N
T02PIC6515	T02PIC6515N

GUIDE PIN

L(mm)	
R	

23	27
T02PICGS12	T02PICGL12

LAB ANALOG

R	T01LA
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TRANSFER IMPRESSION COPING

- Takes impression using closed tray technique
- Use manual 1.2 hex driver for connection
- Packing unit : Impression coping + guide pin

ORDER CODE
: Product Code+TH = T02TIC4511TH



L(mm)	
R	DØ 4.0
	DØ 4.5
	DØ 5.5
	DØ 6.5

Hex	Non-Hex
11	
T02TIC4011	T02TIC4011N
T02TIC4511	T02TIC4511N
T02TIC5511	T02TIC5511N
T02TIC6511	T02TIC6511N

Hex	Non-Hex
15	
T02TIC4015	T02TIC4015N
T02TIC4515	T02TIC4515N
T02TIC5515	T02TIC5515N
T02TIC6515	T02TIC6515N

GUIDE PIN

L(mm)	
R	

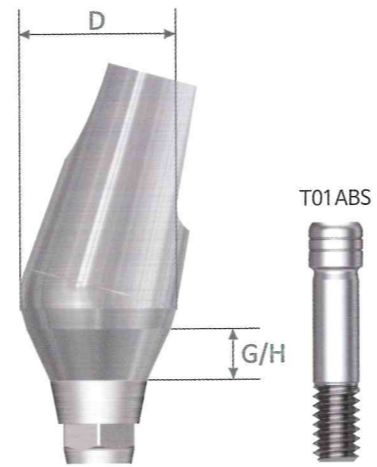
17	21
T02TICGS12	T02TICGL12

T01 ANGLED ABUTMENT

- Used when a prosthetic's path adjustment is necessary at 15/25° axial angle
- Use 1.28hex driver
- Recommended tightening torque :30Ncm
- Packing unit : Abutment + Screw

ORDER CODE

: Product Code+TH = **T01AA155515TH**



15°

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T01AA154515 ✓

T01AA154515N



2.5

T01AA154525

T01AA154525N



3.5

T01AA154535

T01AA154535N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T01AA155515

T01AA155515N



2.5

T01AA155525

T01AA155525N



3.5

T01AA155535

T01AA155535N

25°

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T01AA254515 ✓

T01AA254515N



2.5

T01AA254525

T01AA254525N



3.5

T01AA254535

T01AA254535N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T01AA255515

T01AA255515N



2.5

T01AA255525

T01AA255525N



3.5

T01AA255535

T01AA255535N

T02 ANGLED ABUTMENT

- Used when a prosthetic's path adjustment is necessary at 15/25° axial angle
- Use 1.2 hex driver
- Recommended tightening torque :30Ncm
- Packing unit : Abutment + Screw

ORDER CODE

: Product Code+TH = **T02AA155515TH**



15°

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T02AA154515

T02AA154515N



2.5

T02AA154525

T02AA154525N



3.5

T02AA154535

T02AA154535N

25°

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T02AA254515

T02AA254515N



2.5

T02AA254525

T02AA254525N



3.5

T02AA254535

T02AA254535N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T02AA155515

T02AA155515N



2.5

T02AA155525

T02AA155525N



3.5

T02AA155535

T02AA155535N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T02AA255515

T02AA255515N



2.5

T02AA255525

T02AA255525N



3.5

T02AA255535

T02AA255535N

T01 MILLING ABUTMENT

- Used when an abutment's path must be altered or a prosthetic's margin area must be customized
- Use 1.28 hex driver for connection
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Screw

ORDER CODE

: Product Code+TH = **T01MA5515TH**



D Ø 4.0

R

G/H

Hex

Non-Hex



1.0

T01MA4010

T01MA4010N

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T01MA4515

T01MA4515N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T01MA5515

T01MA5515N



2.5

T01MA5525

T01MA5525N

D Ø 6.5

R

G/H

Hex

Non-Hex



1.5

T01MA6515

T01MA6515N



2.5

T01MA6525

T01MA6525N



3.5

T01MA6535

T01MA6535N

D Ø 7.5

R

G/H

Hex

Non-Hex



2.5

T01MA7525

T01MA7525N



3.5

T01MA7535

T01MA7535N

T02 MILLING ABUTMENT

- Used when an abutment's path must be altered or a prosthetic's margin area must be customized
- Use 1.2 hex driver for connection
- Recommended tightening torque : 30Ncm
- Packing unit : Abutment + Screw

ORDER CODE

: Product Code+TH = **T02MA5515TH**



D Ø 4.0

R

G/H

Hex

Non-Hex



1.0

T02MA4010

T02MA4010N

D Ø 4.5

R

G/H

Hex

Non-Hex



1.5

T02MA4515

T02MA4515N

D Ø 5.5

R

G/H

Hex

Non-Hex



1.5

T02MA5515

T02MA5515N



2.5

T02MA5525

T02MA5525N

D Ø 6.5

R

G/H

Hex

Non-Hex



1.5

T02MA6515

T02MA6515N



2.5

T02MA6525

T02MA6525N



3.5

T02MA6535

T02MA6535N

D Ø 7.5

R

G/H

Hex

Non-Hex



2.5

T02MA7525

T02MA7525N



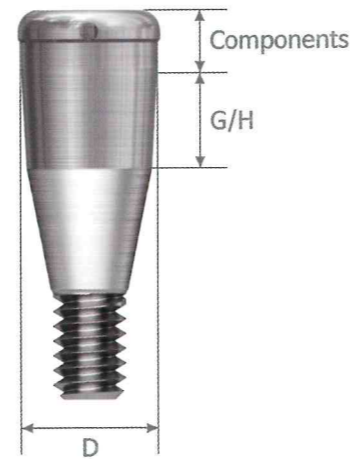
3.5

T02MA7535

T02MA7535N

T01 PORT ABUTMENT

- Connect by using Port Torque Driver
- Compensation of placement angle up to $\pm 20^\circ$
- 1.5mm low vertical diameter, diverse and stable attachment configuration
- Recommended tightening torque: 30Ncm



D Ø 3.7

R

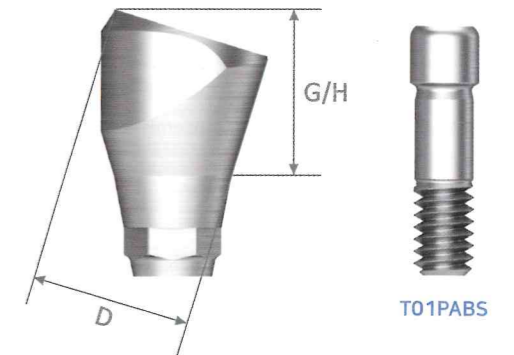
G/H
Non-Hex



T01 PORT ANGLED ABUTMENT

- 1.28 Hex only
- Use when compensation for placement angles is required in Overdenture
- Abutment level impression
- Compensation of placement angle up to 60°
- Connect by using 1.28 Hex Driver
- Recommended tightening torque: 30Ncm

ORDER CODE
: Product Code+TH = T01PAA174540TH



10°

D Ø 4.7

R

G/H
Hex
Non-Hex



17°

D Ø 4.7

R

G/H
Hex
Non-Hex

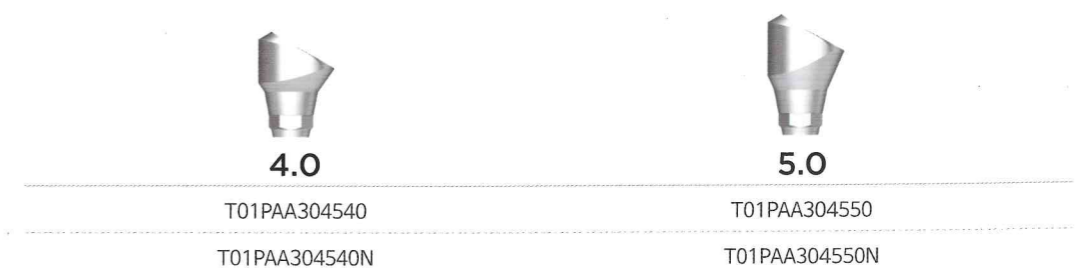


30°

D Ø 4.7

R

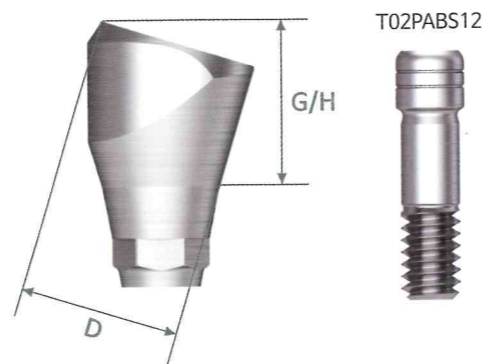
G/H
Hex
Non-Hex



T02 PORT ANGLED ABUTMENT

- 1.2 Hex only
- Use when compensation for placement angles is required in Overdenture
- Abutment level impression
- Compensation of placement angle up to 60°
- Connect by using 1.2 Hex Driver
- Recommended tightening torque: 30Ncm

ORDER CODE
: Product Code+TH = T02PAA174540TH



10°

D Ø 4.7

R

G/H

Hex

Non-Hex



4.0

T02PAA104540

T02PAA104540N



5.0

T02PAA104550

T02PAA104550N

17°

D Ø 4.7

R

G/H

Hex

Non-Hex



4.0

T02PAA174540

T02PAA174540N



5.0

T02PAA174550

T02PAA174550N

30°

D Ø 4.7

R

G/H

Hex

Non-Hex



4.0

T02PAA304540

T02PAA304540N



5.0

T02PAA304550

T02PAA304550N

PORT ABUTMENT COMPONENTS

Port Angled Abutment Head

- Head part that is fastened to the port angled abutment
- Connect using port torque driver
- Recommended tightening torque: 20Ncm
- Packing unit: abutment head + carrier



PORT Processing Kit

- Component
 - Block out spacer / denture cap connected black processing male
 - Replacement male blue / pink / clear
- Use appropriate male of retentivity according to the case
- Packing unit: 1set



PTCMK

PORT Replacement Male

- Retentivity: About 6N
- Compensation of placement angle up to 20°
- Packing unit: 4 ea



PTCM06S

- Retentivity: About 12N
- Compensation of placement angle up to 20°
- Packing unit: 4 ea



PTCM12S

- Retentivity: About 22N
- Compensation of placement angle up to 20°
- Packing unit: 4 ea



PTCM22S

PORT Extended Replacement Male

- Retentivity: About 6N
- Compensation of placement angulation 20° ~ 40°
- Packing unit: 4 ea



PTCEM06S

- Retentivity: About 12N
- Compensation of placement angulation 20° ~ 40°
- Packing unit: 4 ea



PTCEM12S

PORT ABUTMENT COMPONENTS

Port Male Cap

- Combined with Male and secured inside denture
- Packing unit : 1 ea



PTCMC

Port Lab Analog

- Packing unit: 2 ea



Ø4.0
PTCLA40

Ø5.0
PTCLA50

Multi Tool

- Used to tighten and detach the replacement male from the denture cap
- Separated into 3 pieces and can also be used as a hand driver for locator abutment
- Used for port abutment



PTCMT

Port Provisional Male

- Male used only in prosthetic production process
- Packing unit : 4 ea



PTCPMS

Port Torque Driver

- Torque driver for port abutment

Type Short Long



TWLDSK



TWLDLK

Port Block Out Spacers

- Used to attach overdenture and denture cap in the mouth
- Used for sealing the space between the abutment and the denture cap
- Packing unit : 20 ea



PTCSS

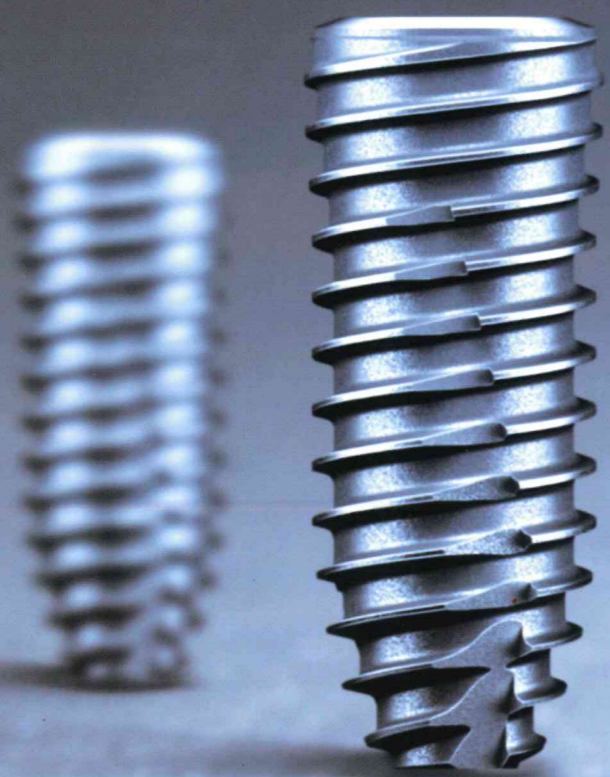
Port Impression Coping

- Pick up impression coping for locator abutment
- Closed tray used
- Used for port abutment
- Packing unit : 1 ea



PTCIC

KIT & Tool



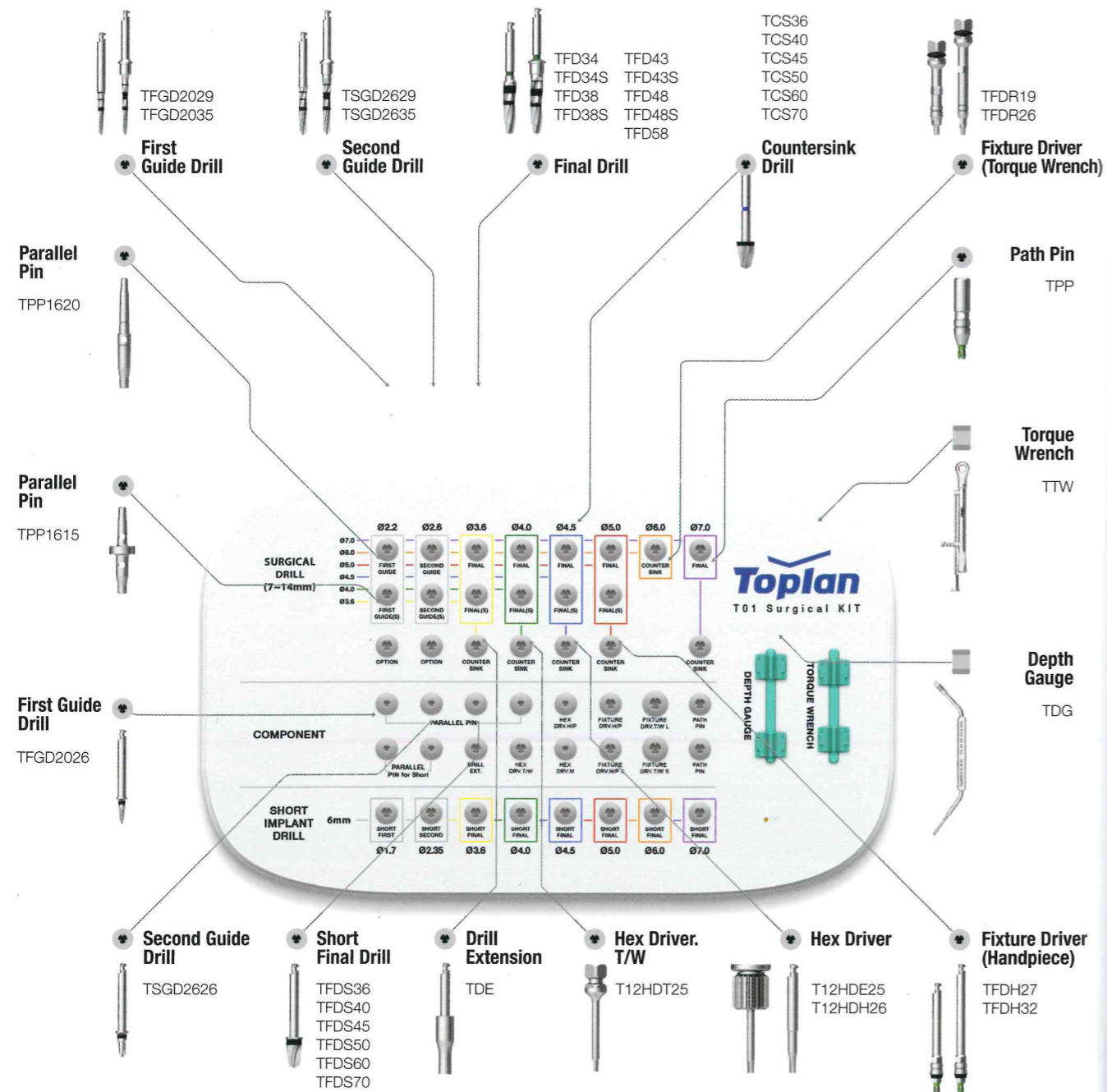
Part 2

KIT & Tool

50

T01 Surgical KIT	52
- Surgical Instruments	53
T01 Taper KIT	64
- Surgical Instruments	65
T01 Prosthetic KIT	74
T02 Prosthetic KIT	75
- Surgical Instruments	76
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TSR KIT	79
TFR KIT	80
- TSR KIT Surgical Instruments	81
- TFR KIT Surgical Instruments	85

TO1 SURGICAL KIT (TT01K)



* Note: this kit does not support T02 hex (1.2mm) requirement, and if needed, you can order components:

- Hex Driver T/W (T120HDT25)
- Hex Driver H/P (T120HDE25)
- Hex Driver Manual (3 options: T120HDH15S, T120HDH20, T120HDH26)

SURGICAL INSTRUMENTS

FIRST GUIDE DRILL

- Stopper applicable surgical drill
- Used to create an hole in the bone to facilitate initial drilling
- Easy drill depth control by selecting the appropriate drill stopper
- Be sure to irrigate while drilling
- **Recommended RPM: 1000~1200 RPM**

D
L(mm)

		Ø 2.2	
	26.5	29	35
	TFGD2026	TFGD2029	TFGD2035

SECOND GUIDE DRILL

- Stopper applicable surgical drill
- Used to create an hole in the bone to facilitate initial drilling
- Be sure to irrigate while drilling
- **Recommended RPM: 1000~1200 RPM**

D
L(mm)

		Ø 2.6	
	26.5	29	35
	TSGD2626	TSGD2629	TSGD2635

SURGICAL INSTRUMENTS

FINAL DRILL

- Stopper applicable surgical drill
- Be sure to irrigate while drilling
- **Recommended RPM: 1000~1200 RPM**



35.5

L(mm)					
D	Ø 3.0	Ø 3.6	Ø 4.0	Ø 4.5	Ø 5.0
Y-Dim	0.8	0.8	0.85	1.0	1.15
	M TFD30 *Option	TFD34	TFD38	TFD43	TFD48

FINAL DRILL

- Stopper not applicable
- Be sure to irrigate while drilling
- **Recommended RPM: 1000~1200 RPM**



29.5

31.5

L(mm)						
D	Ø 3.0	Ø 3.6	Ø 4.0	Ø 4.5	Ø 5.0	Ø 5.8
Y-Dim	0.8	0.8	0.85	1.0	1.15	1.0
	M TFD30S *Option	TFD34S	TFD38S	TFD43S	TFD48S	TFD58

FINAL DRILL for SHORT IMPLANT

- 7(5.5) short fixture final drill
- Be sure to irrigate when using the drill
- **Recommended RPM: 1000~1200 RPM**

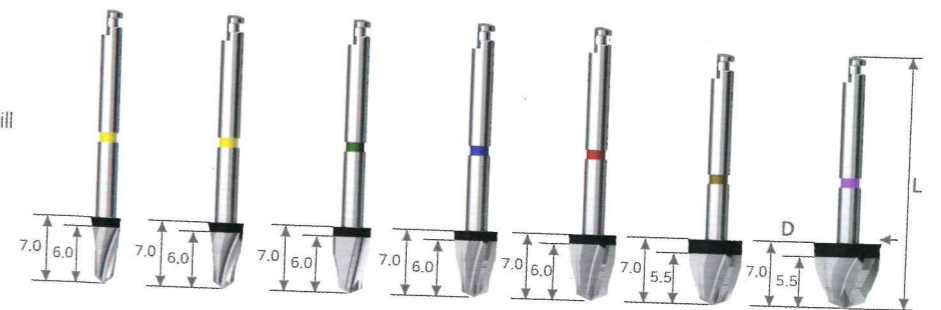


27.0

L(mm)							
D	3.0	3.6	4.0	4.5	5.0	6.0	7.0
	M TFDS30 *Option	TFDS36	TFDS40	TFDS45	TFDS50	TFDS60	TFDS70

COUNTERSINK DRILL

- Used after final drill
- Used for removing cortical bone
- Be sure to irrigate when using the drill
- **Recommended RPM: 1000~1200 RPM**



29.0

27.0

L(mm)							
D	3.0	3.6	4.0	4.5	5.0	6.0	7.0
	M TCS30 *Option	TCS36	TCS40	TCS45	TCS50	TCS60	TCS70

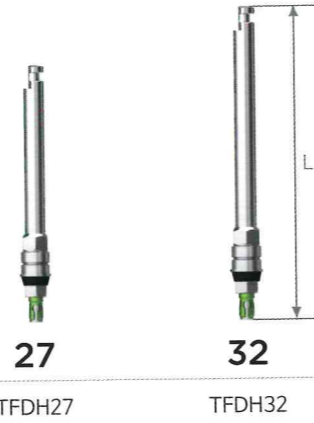
SURGICAL INSTRUMENTS

FIXTURE DRIVER / H.P

- Fit the head in the handpiece and the end to the fixture to put up the implant
- Recommended RPM: 30 RPM
- Recommended Torque: 30~45Ncm

L(mm)

R

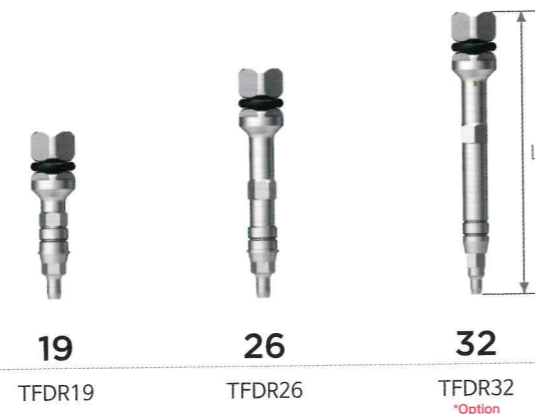


FIXTURE DRIVER/ TORQUE WRENCH

- Fit the head in the torque wrench and the end to the fixture to put up the implant

L(mm)

R



PATH PIN

- Check the path of fixture after placement

L(mm)

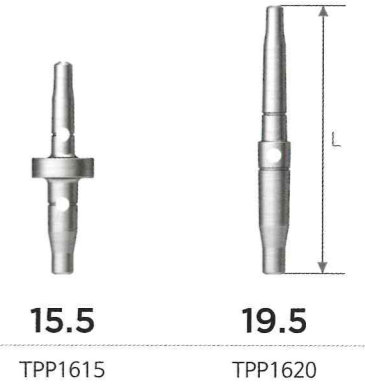
R



PARALLEL PIN

- Used for identifying direction and location of bone preparation

L(mm)



HEX DRIVER / M

- Driver used by hands

L(mm)

Hex 1.28

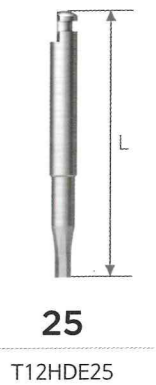


HEX DRIVER / H.P

- Driver for hand piece

L(mm)

Hex 1.28



SURGICAL INSTRUMENTS

DRILL EXTENSION

- Tool for extending the drill length



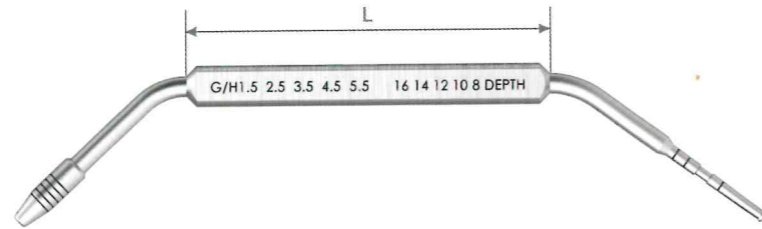
28.1

TDE

L(mm)

DEPTH GAUGE

- Measuring the drilling depth
- Measuring gingival height after fixture is placed



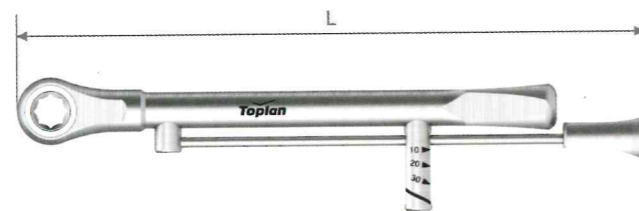
53

TDG

L(mm)

TORQUE WRENCH

- Bar type wrench which can apply accurate torque force
- If excessive torque force is applied, there is a risk of damage to the bone or inside of the fixture

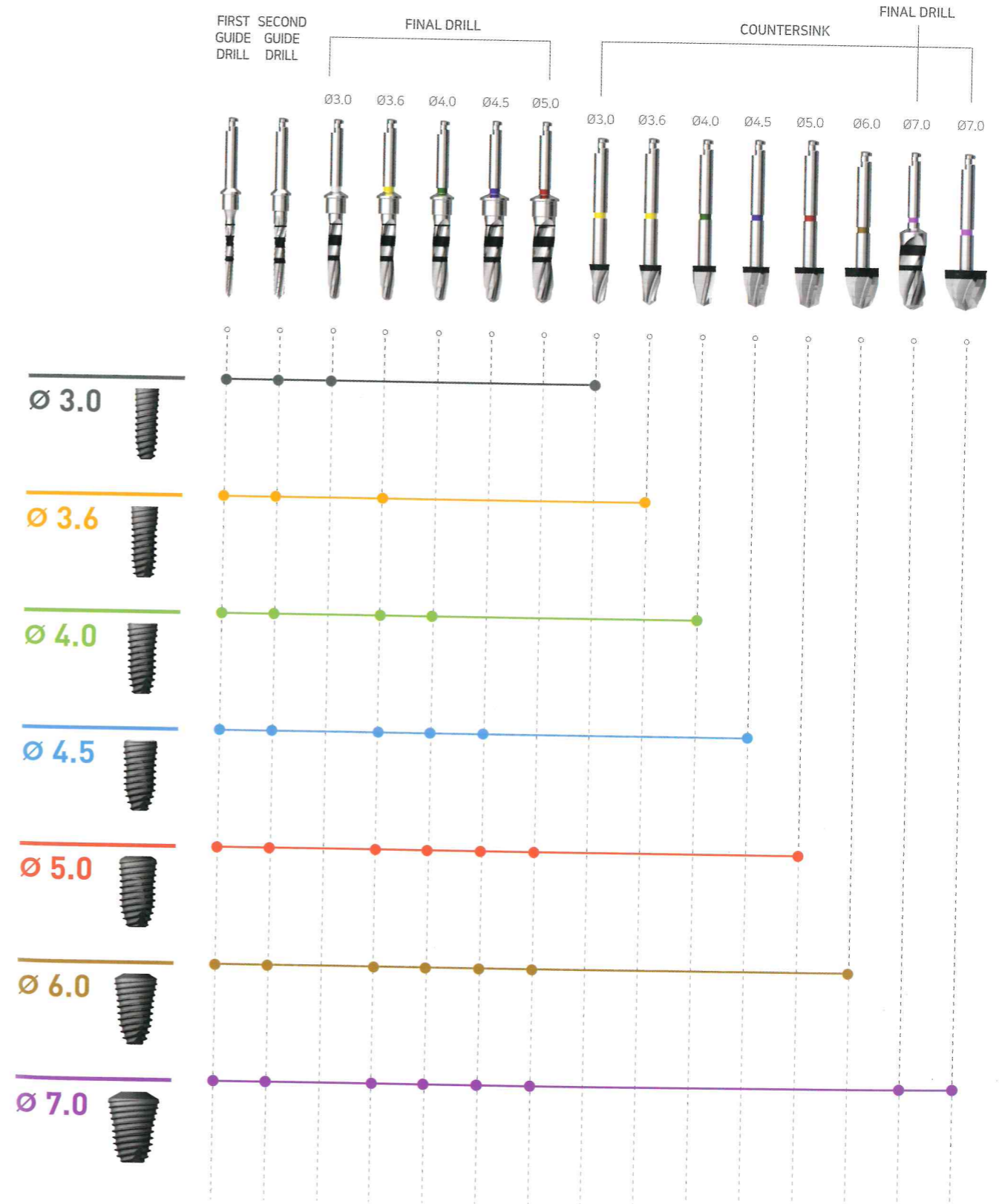


104.4

TTW

L(mm)

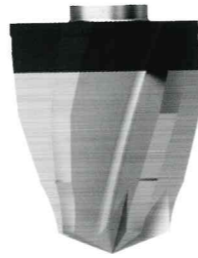
SURGICAL DRILL SEQUENCE



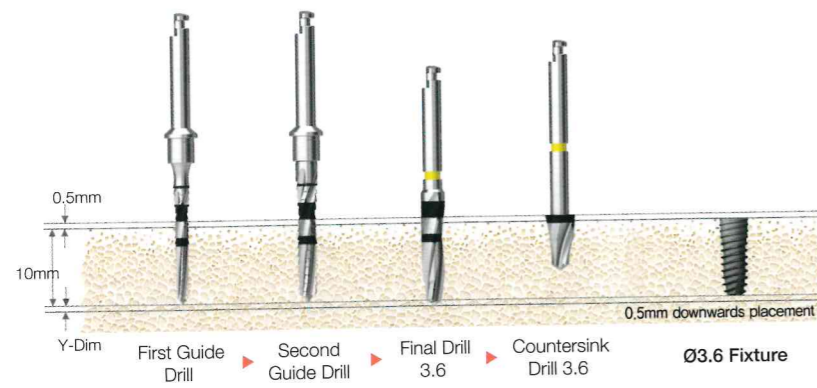
SURGICAL DRILL SEQUENCE

Countersink Depth Guide

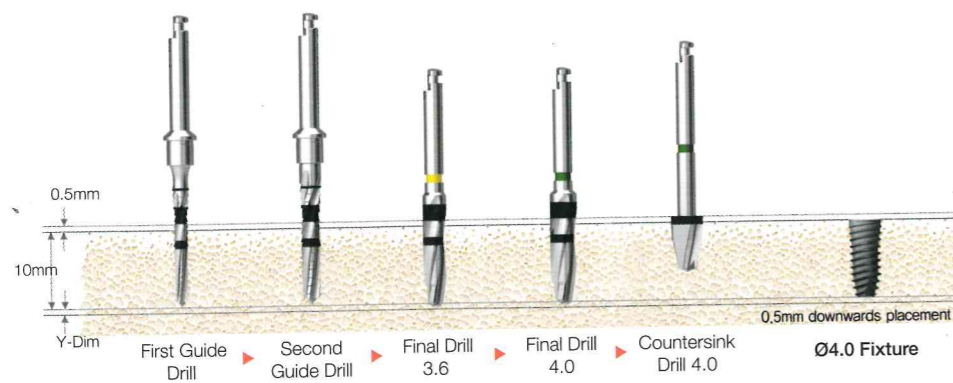
- The drilling depth of Countersink depends on the bone quality of the patient
- If patient's bone quality is hard, it is recommended to add 1mm drilling
- Recommended RPM: 1000~1200RPM
- Recommended torque: 30~45Ncm



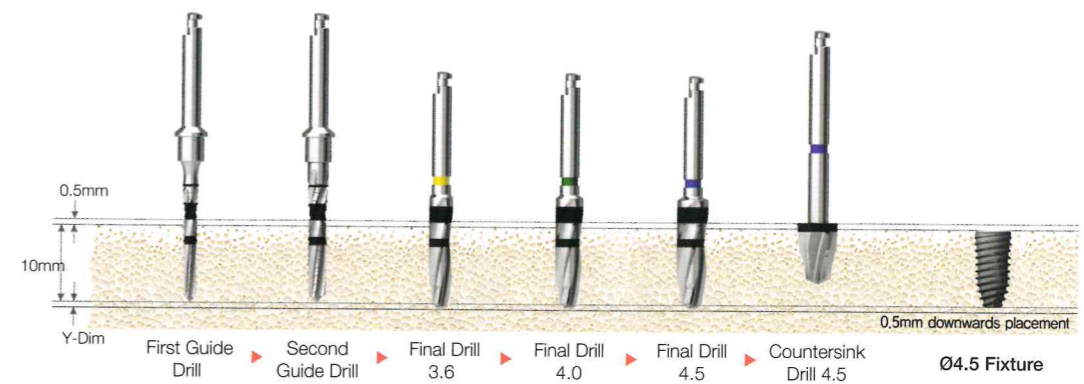
Ø3.6 / 10mm



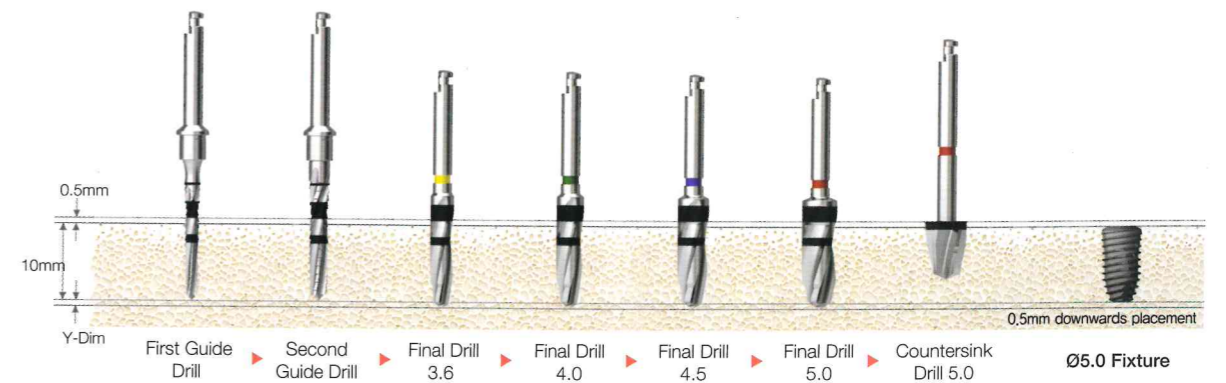
Ø4.0 / 10mm



Ø4.5 / 10mm



Ø5.0 / 10mm



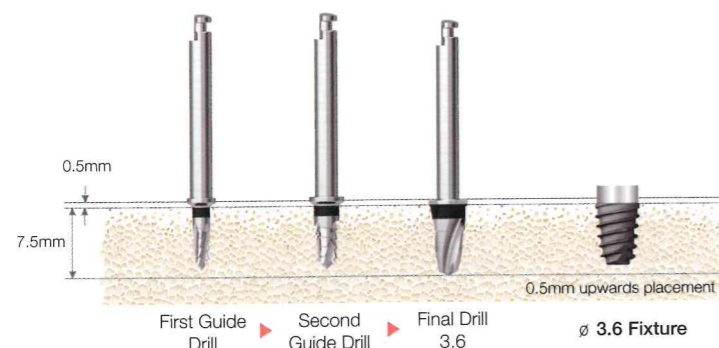
SURGICAL DRILL SEQUENCE FOR SHORT IMPLANT

Final Drill (short) Depth Guide

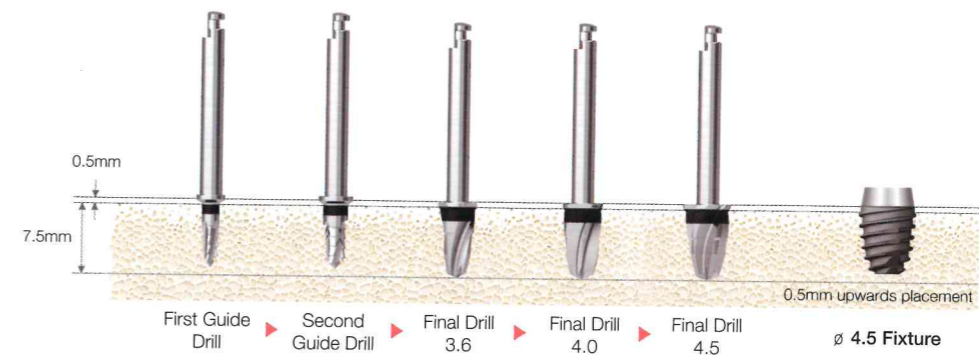
- The drilling depth of Final Drill (short) depends on the bone quality of the patient



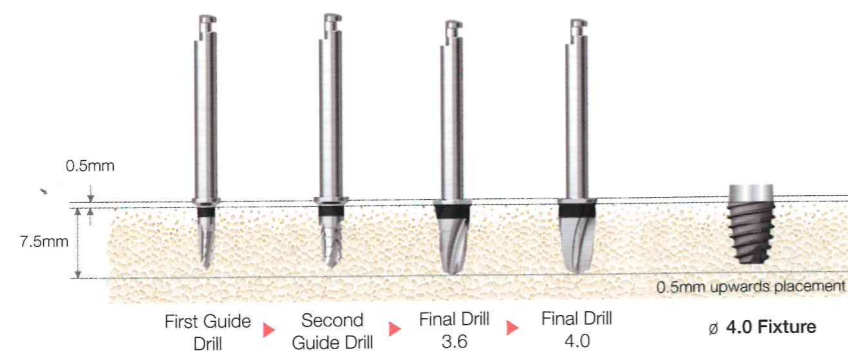
Ø3.6 / 6mm



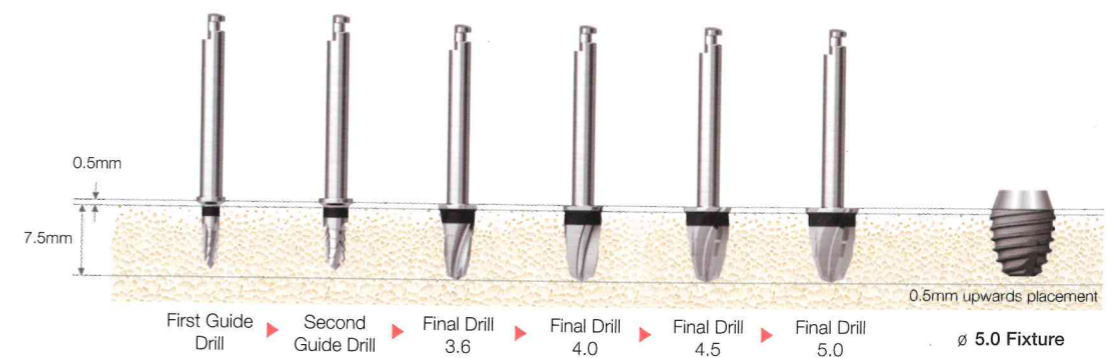
Ø4.5 / 6mm



Ø4.0 / 6mm

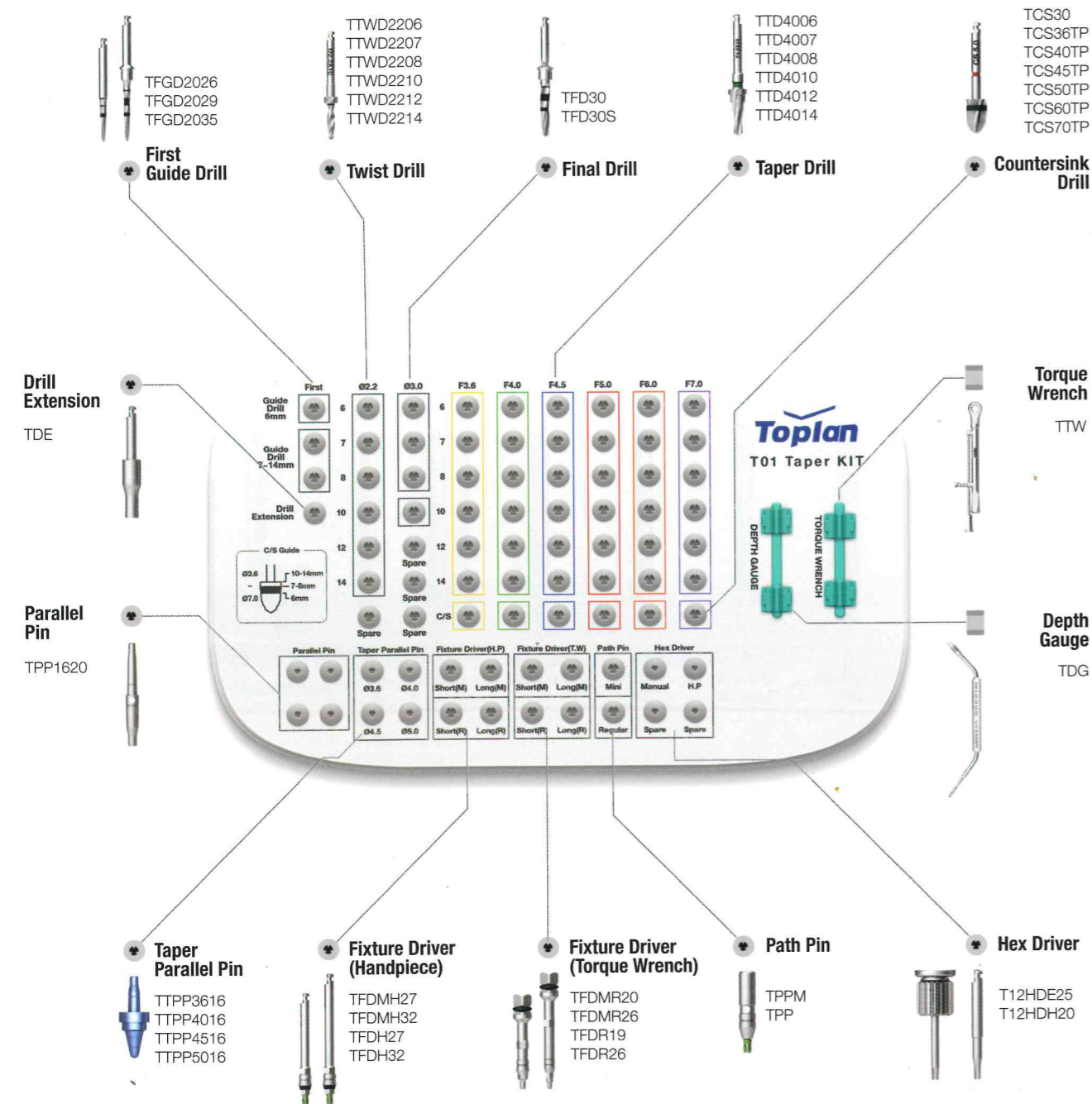


Ø5.0 / 6mm



TO1 TAPER KIT(TTK)

<1.28 hex>



* Note: this kit does not support T02 hex (1.2mm) requirement, and if needed, you can order components:
 - Hex Driver H/P (T120HDE25)
 - Hex Driver Manual (3 options: T120HDH15S, T120HDH20, T120HDH26)

SURGICAL INSTRUMENTS

FIRST GUIDE DRILL

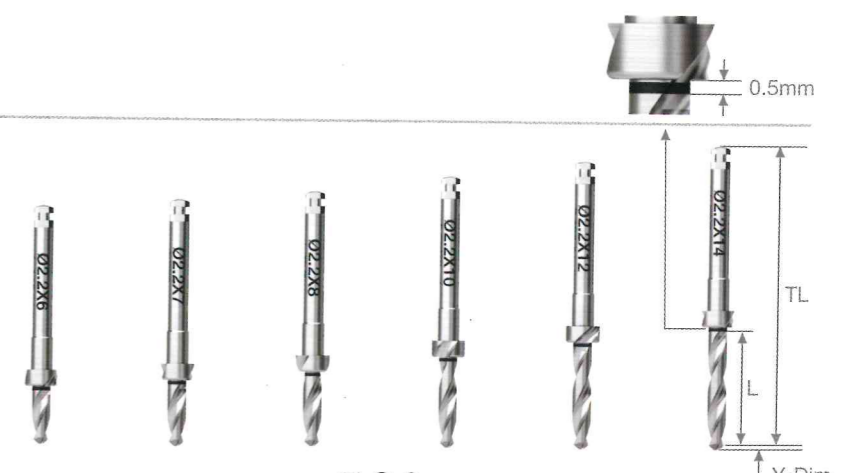
- Stopper applicable surgical drill
- Used to create an hole in the bone to facilitate initial drilling
- Easy drill depth control by selecting the appropriate drill stopper
- Be sure to irrigate while drilling
- **Recommended RPM: 1000~1200 RPM**



D	Ø 2.2		
L(mm)	26.5	29	35
	TFGD2026	TFGD2029	TFGD2035

TWIST DRILL

- Stopper mounted drill
- Be sure to irrigate when using the drill
- **Recommended RPM: 1000~1200 RPM**



D	Ø 2.2					
Y-Dim	0.56					
L(mm)	6	7	8	10	12	14
TL(mm)	28.5	29.5	30.5	32.5	34.5	36.5
	TTWD2206	TTWD2207	TTWD2208	TTWD2210	TTWD2212	TTWD2214

SURGICAL INSTRUMENTS

TAPER DRILL

- Taper body drill by taper diameter and length
- Fixture only taper drill
- Stopper drill with 0.5mm clearance
- The hilt part color coding shows the diameter of the fixture
- Recommended RPM: 1000 ~ 1200 RPM

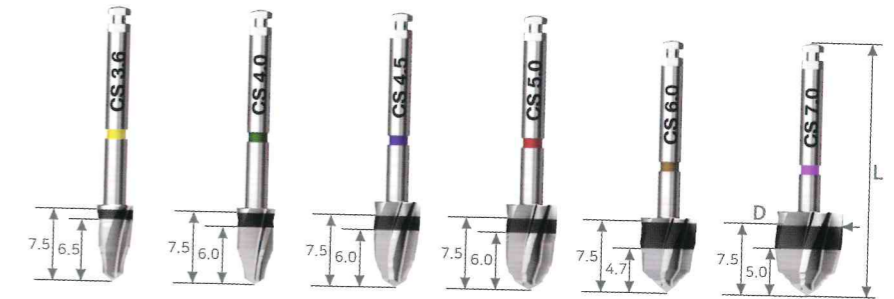


D	Ø 3.0	Ø 3.6	Ø 4.0	Ø 4.5	Ø 5.0	Ø 6.0	Ø 7.0
Y-Dim	0.6	0.7	0.7	0.8	1.0	1.0	1.1
L							
TL							
6.0	28.5						
7.0	29.5						
8.0	30.5						
10	32.5						
12	34.5						
14	36.5						
Color	Grey	Yellow	Green	Blue	Red	Orange	Purple

TFDS30	TTD3606	TTD4006	TTD4506	TTD5006	TTD6006	TTD7006
	TTD3607	TTD4007	TTD4507	TTD5007	TTD6007	TTD7007
<Final Drill> TFD 30 TFD 30S	TTD3608	TTD4008	TTD4508	TTD5008	TTD6008	TTD7008
	TTD3610	TTD4010	TTD4510	TTD5010	TTD6010	TTD7010
	TTD3612	TTD4012	TTD4512	TTD5012	TTD6012	TTD7012
	TTD3614	TTD4014	TTD4514	TTD5014		

<Only for Taper Kit> COUNTERSINK DRILL

- Used after final drill
- Used for the removal of cortical bone
- Be sure to irrigate when using the drill
- Recommended RPM: 1000 ~ 1200 RPM



L(mm)	29.0				27.0	
D	3.6	4.0	4.5	5.0	6.0	7.0
	TCS36TP	TCS40TP	TCS45TP	TCS50TP	TCS60TP	TCS70TP

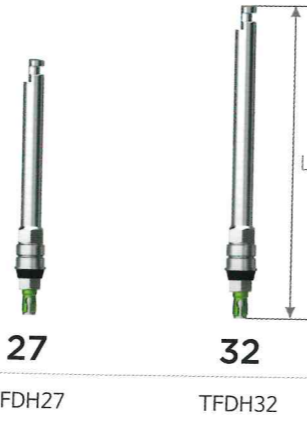
SURGICAL INSTRUMENTS

FIXTURE DRIVER / H.P

- Fit the head in the handpiece and the end to the fixture to put up the implant
- Recommended RPM: 30 RPM
- Recommended Torque: 30~45Ncm

L(mm)

R



FIXTURE DRIVER/ TORQUE WRENCH

- Fit the head in the torque wrench and the end to the fixture to put up the implant

L(mm)

R



PATH PIN

- Check the path of fixture after placement

L(mm)

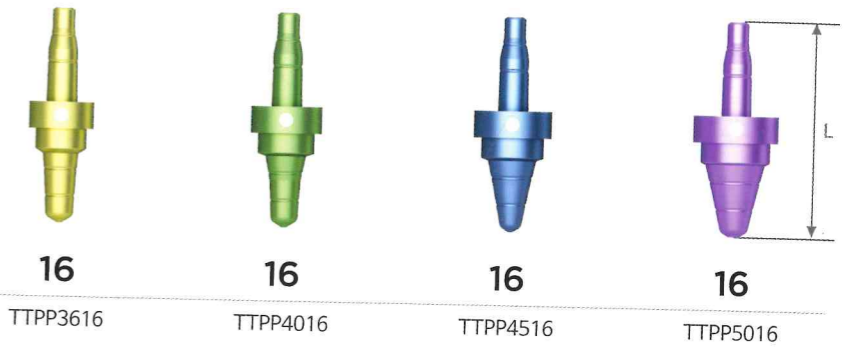
R



TAPER PARALLEL PIN

- Used for identifying direction and location of bone preparation
- Parallel pin of tapered shape

L(mm)



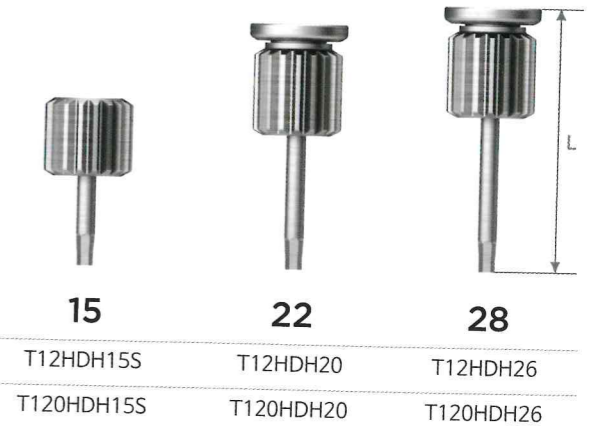
HEX DRIVER / M

- Driver used by hands

L(mm)

Hex 1.28

Hex 1.2



HEX DRIVER / H.P

- Driver for hand piece

L(mm)

Hex 1.28

Hex 1.2



SURGICAL INSTRUMENTS

DRILL EXTENSION

- Tool for extending the drill length



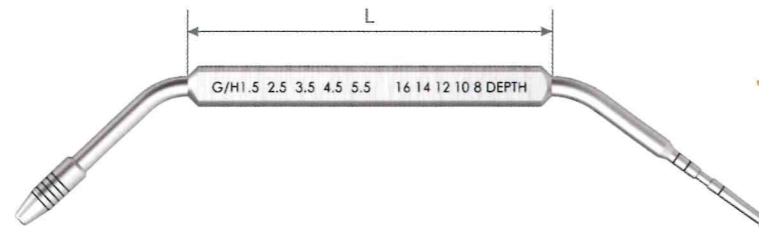
28.1

TDE

L(mm)

DEPTH GAUGE

- Measuring the drilling depth
- Measuring gingival height after fixture is placed



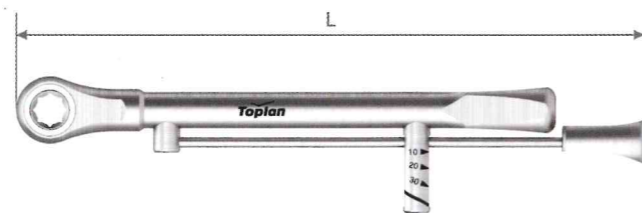
53

TDG

L(mm)

TORQUE WRENCH

- Bar type wrench which can apply accurate torque force
- If excessive torque force is applied, there is a risk of damage to the bone or inside of the fixture

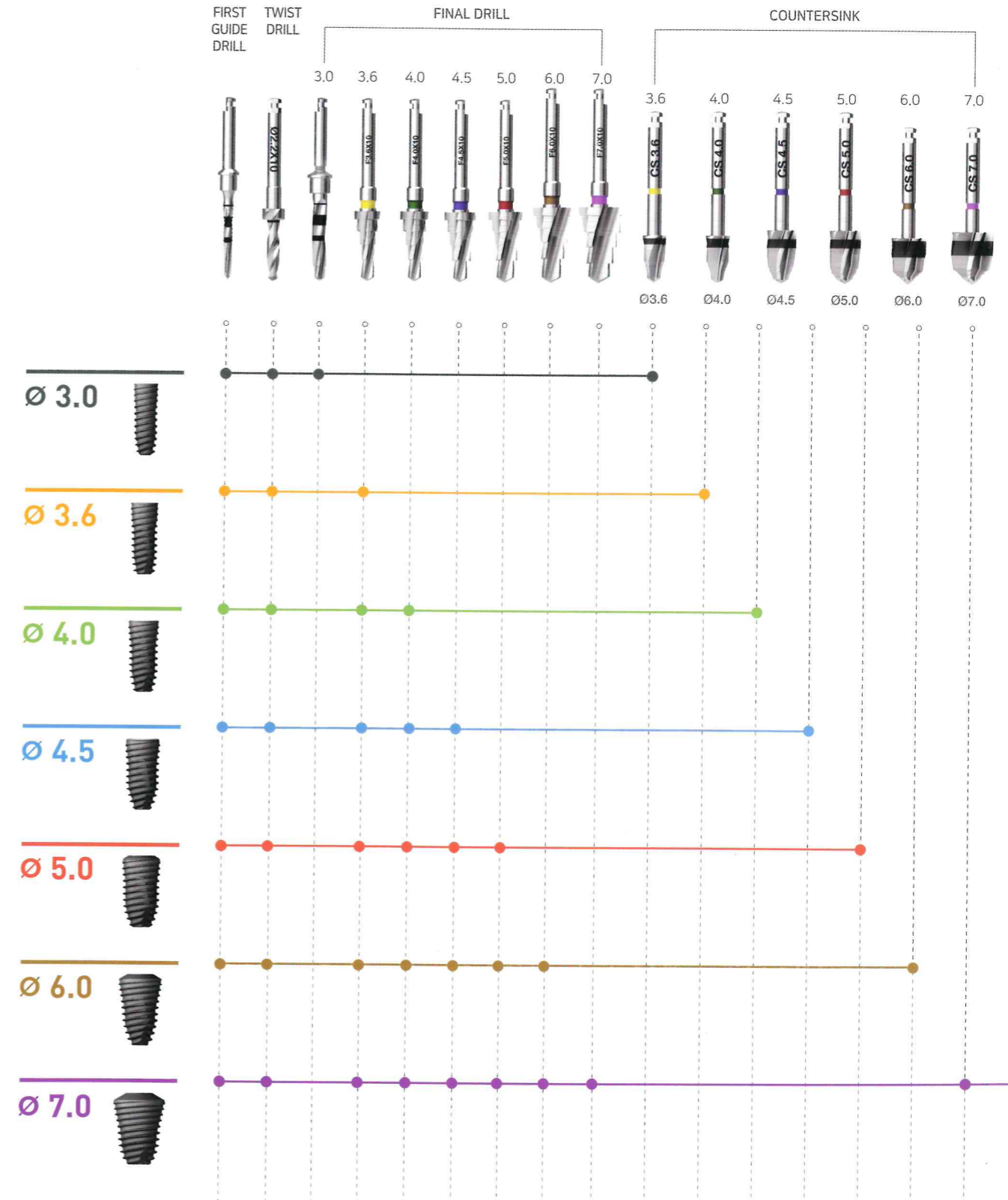


104.4

TTW

L(mm)

TAPER DRILL SEQUENCE



TAPER DRILL SEQUENCE

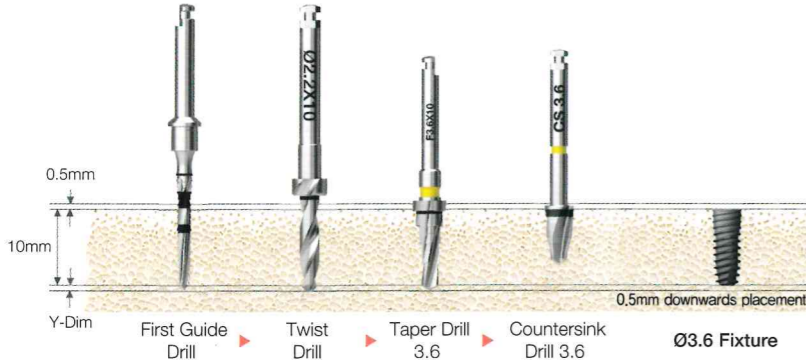
Countersink Depth Guide

- For normal bone, use a drill with the same specification as the nominal diameter as the final drill
- For soft bone, use a drill with a pre-stage specification as the final drill
- Use countersink drill only for hard bone
- The drill depth of the countersink is affected by the patient's bone quality

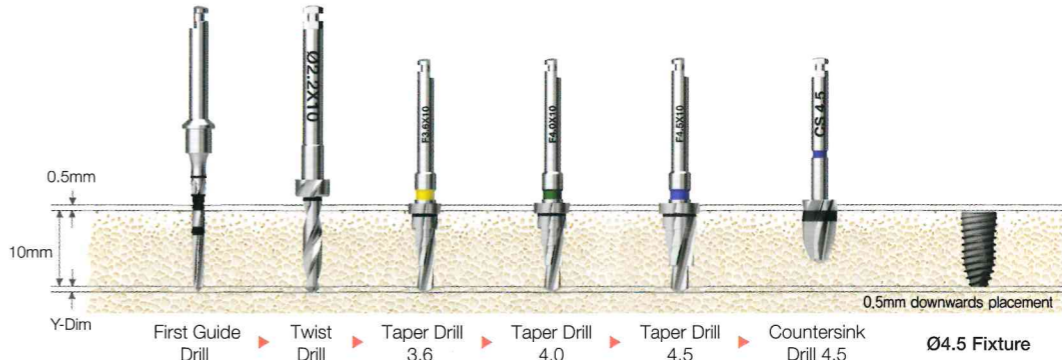
- Recommended RPM: 1000 ~ 1200 RPM
- Recommended Torque: 30~45Ncm



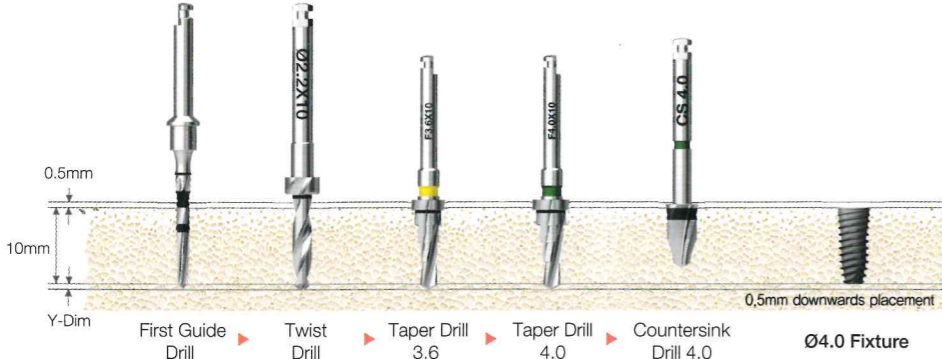
Ø3.6 / 10mm



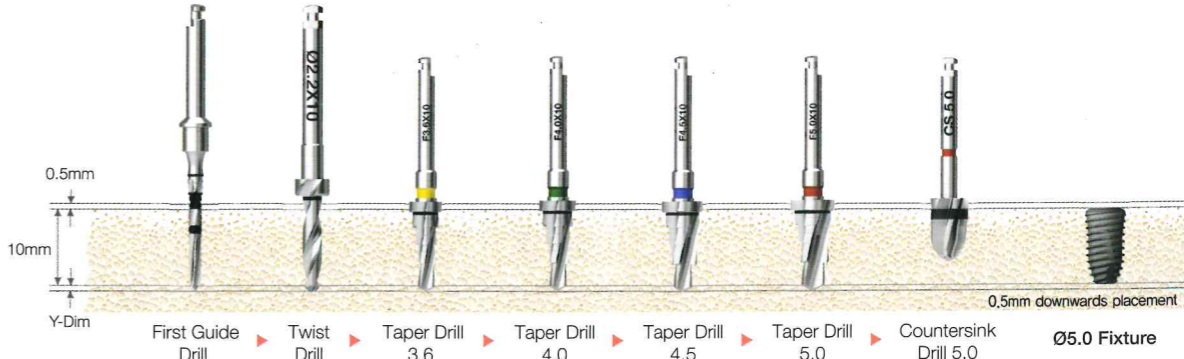
Ø4.5 / 10mm



Ø4.0 / 10mm

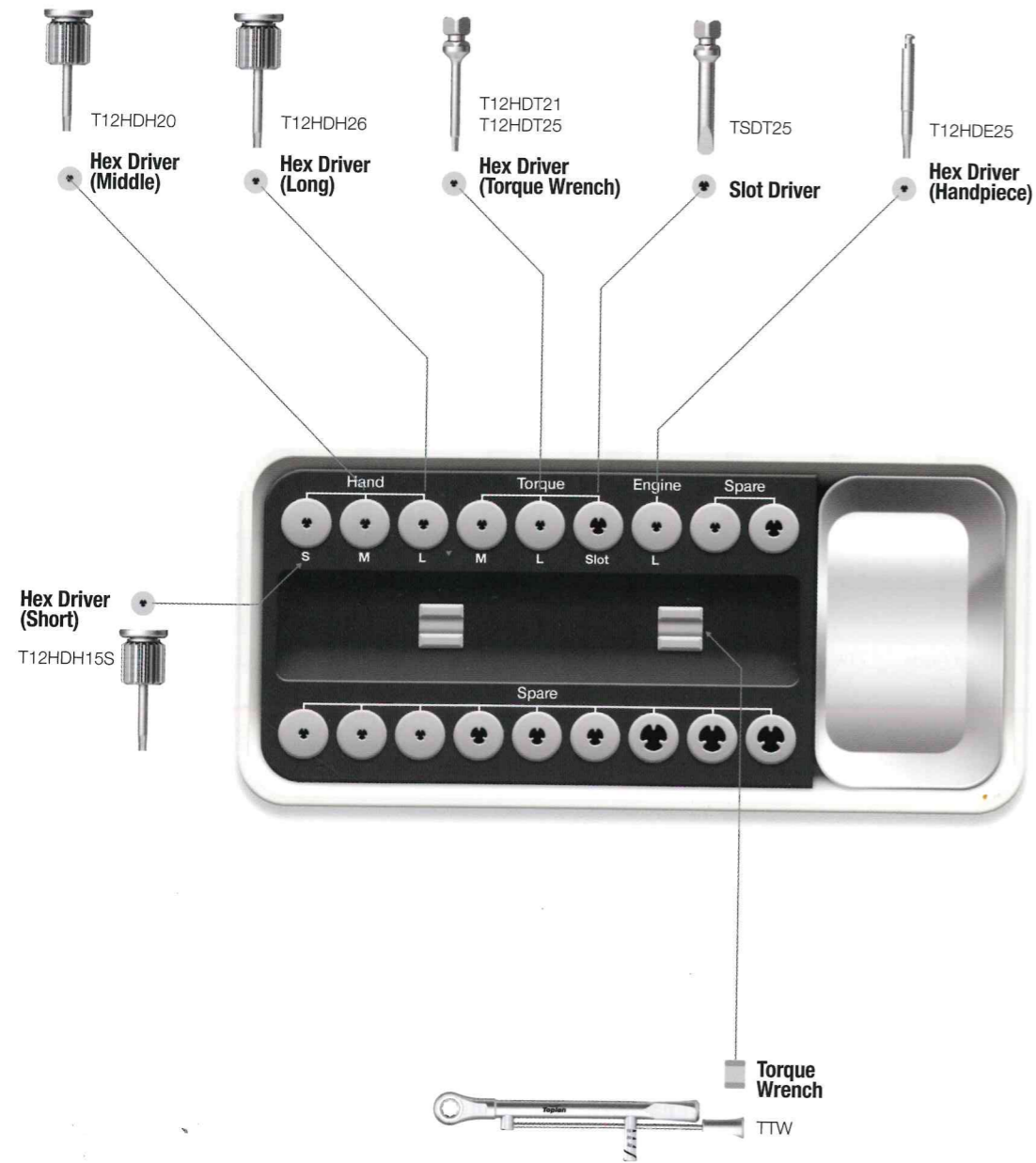


Ø5.0 / 10mm



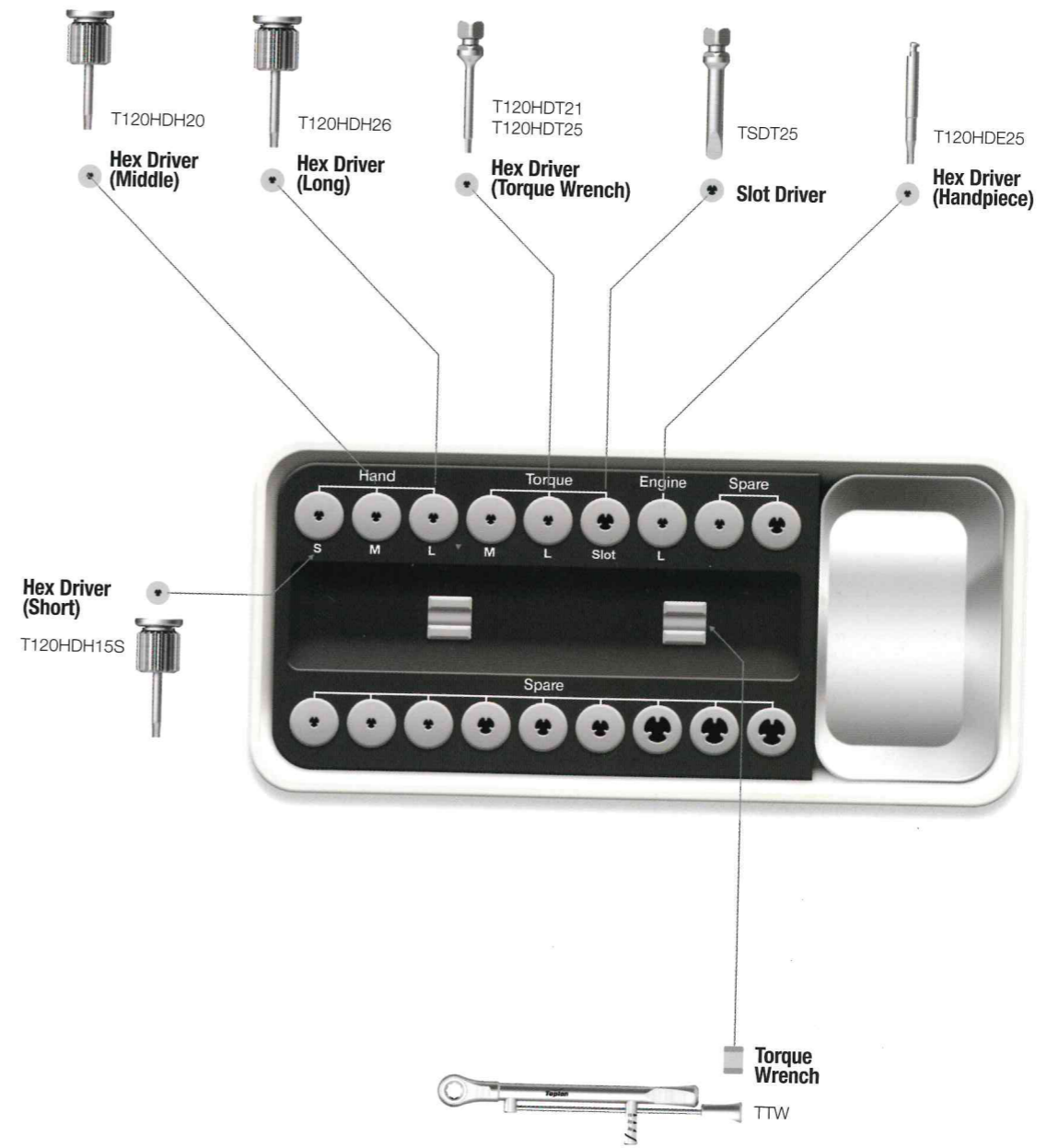
T01 PROSTHETIC KIT (TPK)

<for 1.28 Hex only>



T02 PROSTHETIC KIT (T120PK)

<1.2 hex Hex only>



SURGICAL INSTRUMENTS

Hex Driver / Manual

- Driver for Hands

HEX DRIVER / TORQUE WRENCH

- Torque Wrench용 Driver

L(mm)

Hex 1.28

Hex 1.2



15

22

28

T12HDH15S

T12HDH20

T12HDH26

T120HDH15S

T120HDH20

T120HDH26

HEX DRIVER / TORQUE WRENCH

- Driver for Torque Wrench

L(mm)

Hex 1.28

Hex 1.2



21

25

T12HDT21

T12HDT25

T120HDT21

T120HDT25

SLOT DRIVER / TORQUE WRENCH

- When the hex of Healing Abutment, Cover Screw, and Abutment Screw is damaged, Slot Driver can be used after the slot is created using $\Phi 0.8$ bur

L(mm)



25

TSDT25

SURGICAL INSTRUMENTS

Hex Driver / Handpiece

- Driver for Hands

L(mm)

Hex 1.28

Hex 1.2



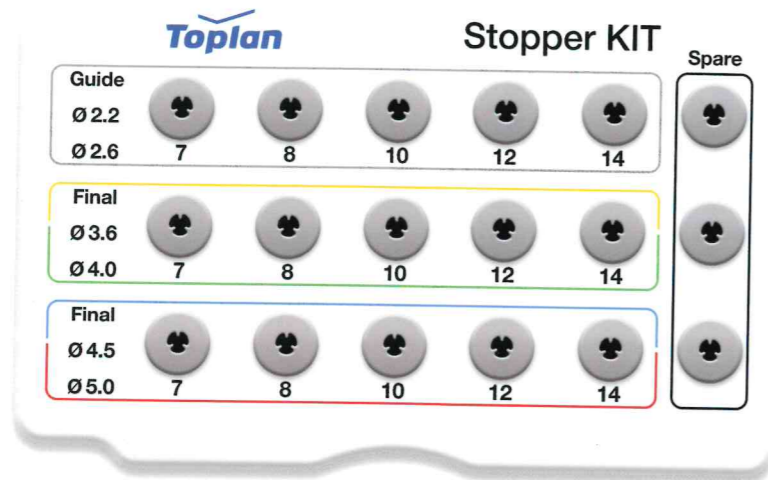
25

T12HDE25

T120HDE25

STOPPER KIT (TSTK)

- Drilling depth can be adjusted to fit the patient's alveolar bone height
- Use a stopper for Ø3.0/4.0 when fastening the stopper to the final drill for Ø3.0 only

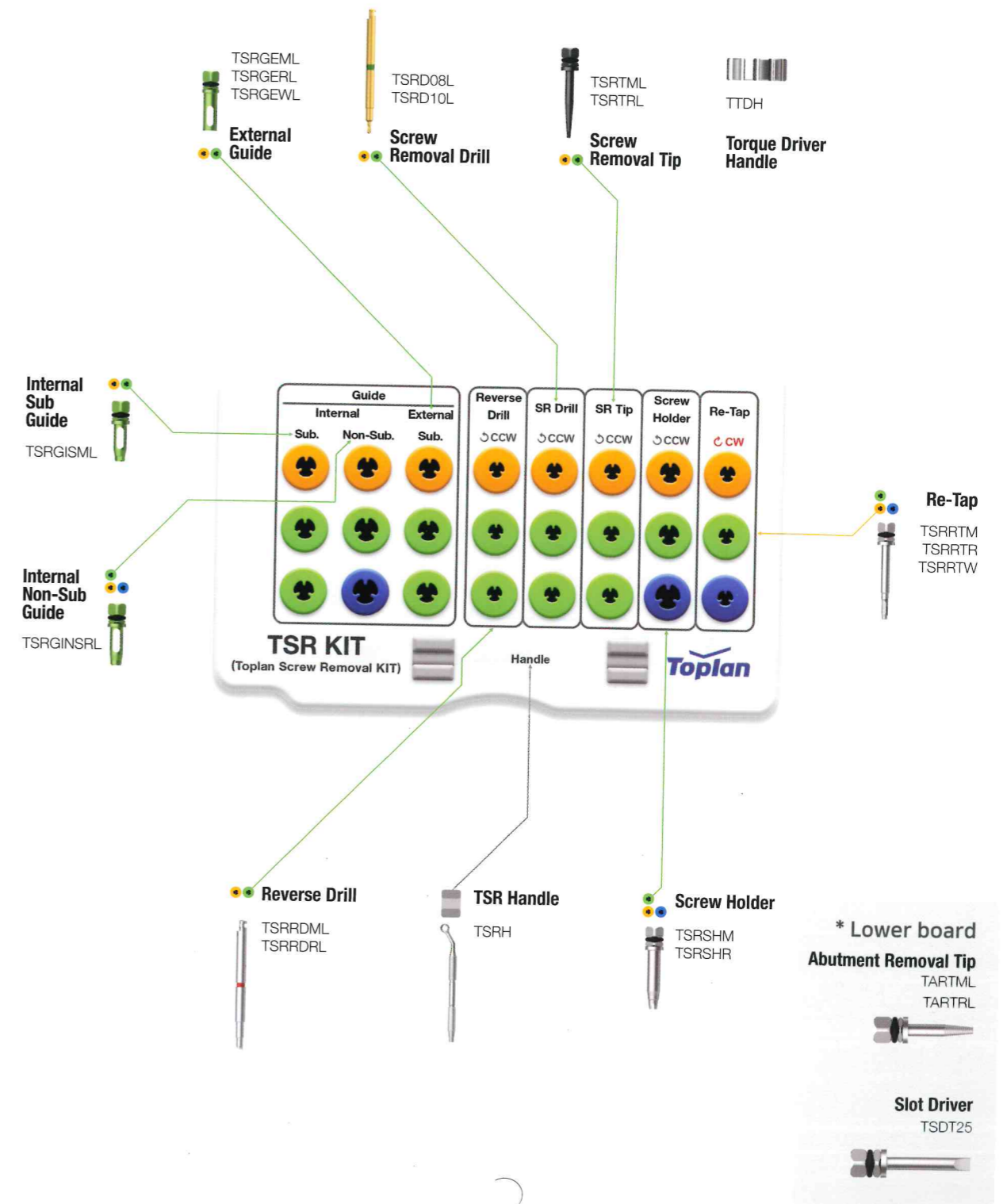


*Option



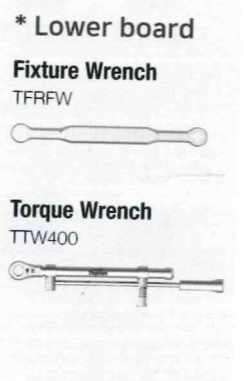
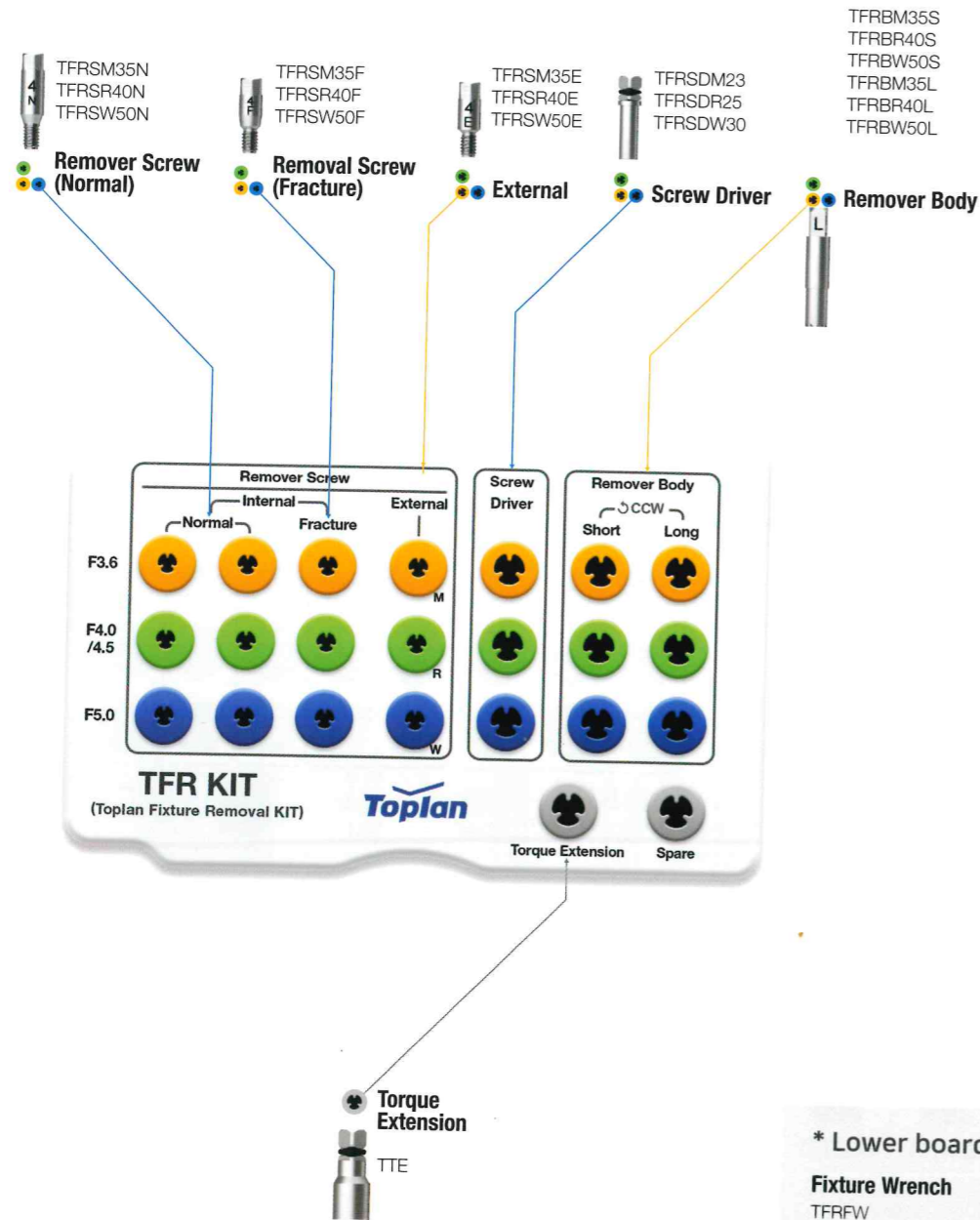
TSR KIT (TSRK)

- Easy Screw Removal Kit
- Safely remove broken screw / abutment



TFR KIT (TFRK)

- Easy Implant Removal Kit
- Bone loss-less fixture removal



TSR KIT SURGICAL INSTRUMENTS

Guide

- The drill guide tool helps avoid shaking during the drilling process, keeping the center of the drill fixed especially when using the SR drill
- Choose short or long depending on the distance
- C = Connection / F = Fixture

C \ Type	Internal Submerged		Internal Non-Submerged		External	
	Short	Long	Short	Long	Short	Long
Regular						
Wide	TSRGISRS	TSRGISRL	TSRGINSRS	TSRGINSRL	TSRGERS	TSRGERL
					TSRGEWS	TSRGEWL

Torque Driver Handle

- Connect to SR tip, AR tip, screw holder for use by hands



TTDH

TSR KIT SURGICAL INSTRUMENTS

Reverse Drill

- Drill for the removal of broken screw
- Must use correct guide matching with fixture
- If the red marking of the reverse driver is visible above the guide fastened to the fixture, use the screw holder to remove the broken screw
- For hand mode / direction of rotation: reverse rotation / number of uses: 10 times
- F = Fixture

L \ Type	Regular
Short	TSRRDRS
Long	TSRRDRL



Regular

Screw Removal Drill (SR Drill)

- Drill a hole to the broken screw
 - Make sure to connect with guide, irrigating the window, using suction for the removal of drilled chips
 - Choose short or long type depending on the distance
 - Drilling until the red belt on the handle is not visible
 - Recommended speed: reverse rotation(1200~2500 rpm) / usage: 5 times
 - Make sure to connect with guide / Do not apply excessive vertical force / Do not soak in hydrogen peroxide
- ※ Make sure to connect with guide / Do not apply excessive vertical force / Do not soak in hydrogen peroxide

- ※ Disposable, Do Not Reuse
- Short: Single item sales

L \ Type	Mini	Regular
Short	TSRD08S	TSRD10S
Long	TSRD08L	TSRD10S



Mini



Regular

TSR KIT SURGICAL INSTRUMENTS

Screw Removal Tip (SR Tip)

- Remove the broken screw by rotating the screw removal tip in reverse on the screw hole formed by the SR drill
 - Rotation direction: reverse rotation
- ※ Disposable, do not reuse



L \ Type	Mini	Regular
Short	TSRTMS	TSRTRS
Long	TSRTML	TSRTRL

Screw Holder

- If the broken screw is partially protruded, remove it by combining it with the screw holder
- Color coding applicator for identification
- Rotation direction: reverse rotation



Type	Mini	Regular	Regular
	TSRSHM	TSRSHR	TSRSHW

Re-tap

- An instrument that restores the thread to its initial state when the thread is not engaged due to damage to the thread inside fixture
- Restore the thread using torque wrench or ratchet wrench

Type	Mini	Regular	Regular
	TSRRTM	TSRRTR	TSRRTW



TSR Handle

- Equipment tightening guide to the fixture



TSRH

Abutment Removal Tip (AR Tip)

- Used when the abutment or mount is broken and part of them remain in the fixture
- After coupling it with the fractured abutment hole, rotate it in reverse to fix it firmly, and shake it with forceps to remove it
- Mini: Remove the screw with slipped hex
- If you rotate it in reverse after fastening it to the hex where the slip occurred, it will be removed by combining it with the screw

L \ Type	Mini	Regular
Short	TARTMS	TARTRS
Long	TARTML	TARTRL
Ex.Long	TARTMEL	TARTREL



Mini



Regular

TFR KIT SURGICAL INSTRUMENTS

Remover Screw

- Tightened to fixture, it plays the role of support for reverse rotation of remover body
- Used according to the type and diameter of fixture to be removed
- Used for the removal of completely fractured hex
- Recommended torque: regular/wide 80Ncm, mini 60 Ncm



T \ Mode	Mini Ø3.5 / -	Regular Ø4.0~4.5 / P4.8	Wide Ø5.0 / P6.0	
Internal	Normal	TFRSM35N	TFRSR40N	TFRSW50N
	Fracture	TFRSM35F	TFRSR40F	TFRSW50F
External		TFRSM35E	TFRSR40E	TFRSW50E

Screw Driver

F	Mini	Regular	Wide
	TFRSDM23	TFRSDR25	TFRSDW30



Remover Body

- A device that connects to the remover screw to apply the torque in the direction of release of the fixture
- Used in accordance with the diameter of the fixture to be removed



F	Mini	Regular	Wide
Short	TFRBM35S	TFRBR40S	TFRBW50S
Long	TFRBM35L	TFRBR40L	TFRBW50L

Torque Extension

- Extend screwdriver and remover body length (10 mm)



TTE

Torque Wrench

- Fit to head of remover body and remove broken fixture by turning to right
- Up to 400 Ncm torque applicable
- Center the bar with the torque value to be applied by pulling the bar
- Wash after use and store after sterilization



TTW400

Fixture Wrench

- Tool for the support of extracted fixture+remover body

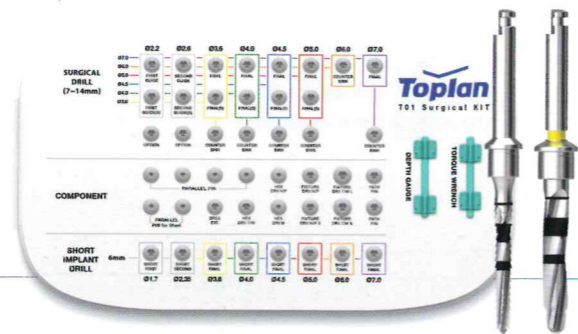


TFRFW

KIT & Tool management instructions

※ Notes on implant placement

- ✓ 0.5~1mm downwards insertion recommended
- ✓ Bone level insertion recommended



1. Immerse the used tool in saline or distilled water during the surgery.



2. After the surgery, all the tools including those unused should be taken out of the KIT and be cleaned in alcohol.
Be sure to clean tools unused as corrosion may occur to the tools mounted on the rubber due to moisture generated during the sterilization, if they are not removed from the KIT. (At least once per quarter)
Do not use hydrogen peroxide during cleaning.
Exposure to hydrogen peroxide may discolor laser marking and anodizing.



3. Wash thoroughly with distilled or running water to remove any blood or foreign substances.



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



5. After removing the moisture from the tools, set them in the KIT case.
(Refer to Color Coding at this time for convenience.)



6. Afterward, dry the KIT in the autoclave (Temperature: 132°C, Time: 15 min) and store at room temperature.

- ※ **Caution**
- All devices used after the surgery should be separated immediately and be stored after cleaning.
 - KIT is recommended to re-sterilize immediately before the surgery. (Temperature: 132°C, Time: 15 min)
 - The warranty period of KIT is 1 year after the package is opened, and the guarantee for the times of use is 50 times.



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