# ZENEX
# MULTI
# I-SYSTEM

IZEN
IMPLANT

IZEN Implant,

bright smile

# Certification








# History & Global Network

## 2016. 03

Foundation of IZEN Implant

## 2016. 06

Acquisition of manufacturing licenses for medical devices
Report medical device items
(Screw driver for dental implant surgery)

## 2016. 12

Patent registration
(Driver holder and driver apparatus for dental engineering, No. 10-1684959)

## 2017. 03

Patent registration
(Driver holder for dental apparatus, No. 10-1714533, No. 10-1714541)

## 2018. 08

Venture Business Certificate
(No. 20180110278)

## 2018. 09

Foundation of Corporate Affiliated Research Institute (No. 2018114470)

## 2019. 06

Acquisition of small businesses technology development project
(Development of Dental implant abutments and scan body for dental digital system)

## 2019.12

Patent registration
(Abutment and dental implant, No. 10-2062575)


## 2017. 09

Registration of medical devices (Apparatus for dental implant surgery)

## 2018. 03

Certification of medical device items compliance with manufacturing and quality control standards (KGMP)

## 2018. 04

Medical Device Item Certification (Dental implant abutments)

## 2018. 07

Acquisition of ISO 9001 : 2015

## 2020. 01

Medical Device Item Certification (Orthodontic Screw)

## 2020. 12

Medical Device Item Certification (Dental implant abutments)

## 2021. 01

Patent registration (Implant Lab Analog, No. 10-2209274)

## 2021.05

Acquisition of ISO13485: 2016 & CE MDD

# MANUFACTURE

## Manufacturing

### Materials

Fixture and Abutment of ZENEX MULTI & ZENEX PLUS Implant System are produced by titanium which is certified by ASTM.

### Manufacture by CNC Machine

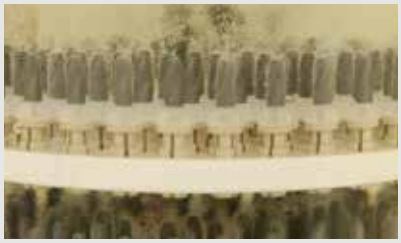
In order to product Fixture and Abutment of ZENEX MULTI & ZENEX PLUS Implant System, the raw materials are manufactured by CNC Machine.

### Manufacture of Half-Finished product

Fixture and Abutment of ZENEX MULTI &ZENEX PLUS Implant System are manufactured as a Half-Finished product based on a design of each product.

### Sand Blasting

In case of Fixture, the roughness of surface is increased physically by blasting Alumina powder for osseointegration through getting a wide SLA surface.



### Etching

In case of Fixture, the roughness of surface is widen by chemical corrosion. After a SLA surface treatment, the surface inspection is done whether any residual acid is on the fixture.

### TiN Coating

For classifying product and aesthetic impression, the electronic-chemical methods are used artificially for TiN coating as a gold color. Applied for some kinds of Abutments.

### Cleaning

Final cleaning for a perfect removal of pollutant is proceeded in the Clean Room. After final cleaning, the inspection will be taken place.

### Packing

After cleaning products, the packing is done in the Clean Room. The packing is proceeded by automatic system without any foreign pollution.


### Sterilization

For some products, it is sterilized by the short-wavelength of gamma radiation. It is possible to check the sterilization through a color of sticker on the package changed by a gamma radiation. Applied product: Fixture, Cover Screw, Healing Abutment & Multi Healing Cap.

# Quality Management

## Dimension Management

After manufacturing product (fixture), Dimension of product is tested by non-contact visual microscope to measure precise dimension.

## Stability Test

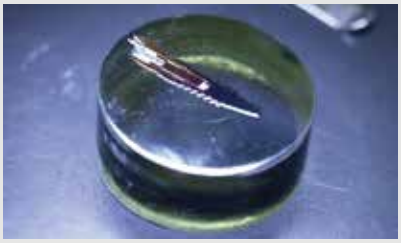
Our products are tested by fixation force and screw loosening for providing a stable products.

## Fatigue Test

For providing the strength of product and a long-term safety, a fatigue test is done by measuring a mechanical force. Based on ISO14801:2016, the test is taken place.

## Surface Management

In order to maintain a stable roughness of SLA Implant surface, the roughness of surface is tested in each lot.



## Connection Management

We observe the fixture and abutment is connected internally without any problem before the shipment.

# ZENEX MULTI I-System

## COMPOSITION


022 ZENEX MULTI I-System Fixture
025 Cover Screw
026 Healing Abutment
**029 PROSTHETIC FLOW CHART I**
030 Temporary Abutment
031 Cemented Abutment
036 Angled Abutment
040 FreeMilling Abutment
042 CCM Cast Abutment
043 Pick-Up Impression Coping
045 Transfer Impression Coping
047 Fixture Lab Analog
**049 PROSTHETIC FLOW CHART II**
050 Multi Straight Abutment
051 Multi Angled Abutment
053 Components of Multi Abutment
**059 PROSTHETIC FLOW CHART III**
060 Ball Abutment
061 Components of Ball Abutment
064 Kerator Abutment
065 Kerator Angled Abutment
066 Components of Kerator Abutment
**070 PROSTHETIC FLOW CHART IV**
071 ScanBody
072 Ti Link Abutment
073 Ti Blank Abutment

# ZENEX MULTI I-System

## - Design features

### - Designed for various types of bone

Post shape (Rounded top) optimized for digital dentistry system
Wide cross-section to prevent crown rotation and secure accurate placement.
Wide marginal area to prevent crown fracture
Small screw guide hole to secure strength of abutment
Optimized abutment screw for Short Fixture

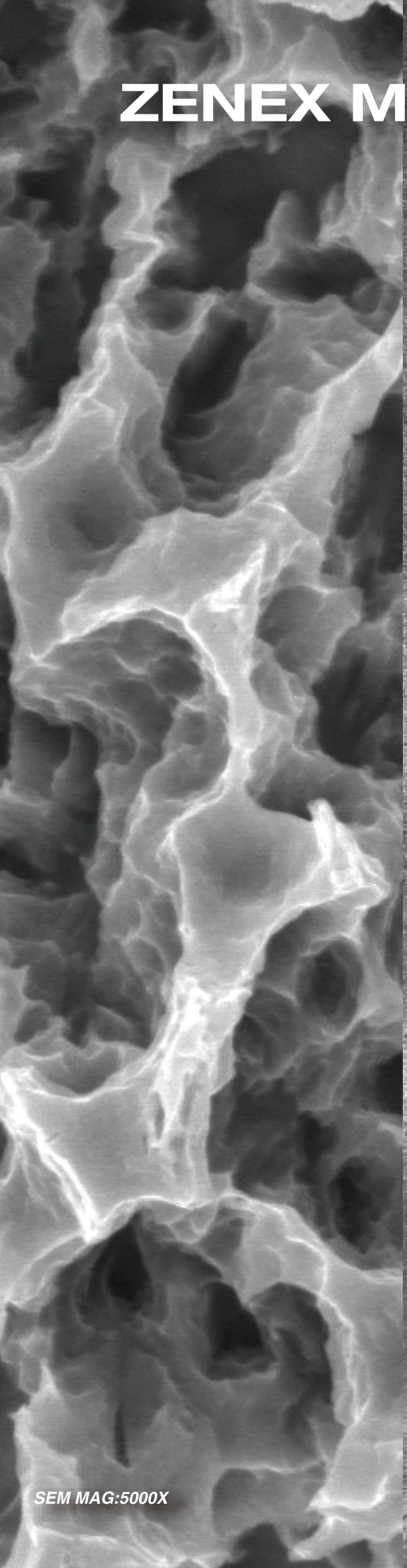

11° tapered double contact connection design to
prevent screw loosening
Small connection enables to use on narrow width bone

Platform Switching
Prevents crestal bone loss after implant
placement and provides esthetic result

Two conical contact points
Strong tightening force of dual contact between
fixture and abutment results in less sink-down
which leads to preventing screw loosening

Tapered design to secure initial stability
Possible to secure initial stability on apex of fixture by realizing wide apical diameter.
0.8 Pitch double thread helps to reduce time for implant placement

# ZENEX MULTI Implant
## - Surface features



*SEM MAG:5000X*

*SEM MAG:30X*

SLA surface
($Al_2 O_3$ powder Sand-blast and Acid Etched)

- SLA surface for presenting ideal surface shape
- Surface Roughness Ra 2.0~3.0 ㎛

- Safe surface with no residual acid
- Safer than other implants (Proved by ICP/IC Analysis)

# ZENEX MULTI Fixture I - System

Internal 11° tapered submerged type implant
SLA surface implant
Tapered design to secure initial stability
Double thread design for securing width of internal connection and easy insertion
Possible to secure primary stability on apex of fixture by realizing wide apical diameter.
Recommended torque for implant placement: Less than 40Ncm

For Narrow Fixture (Ø 3.0)
- Enable surgery in bone of narrow width
- Easy to compensate angle in anterior area

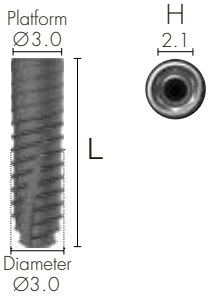
For Wide Fixture (Ø 6.0, Ø 7.0)
- Wide fixture with single thread for easy implant placement.
- 6mm length fixture enables to use in lower alveolar bone
- Radial shaped on upper part of fixture enables to be used for wide hole such as extraction socket

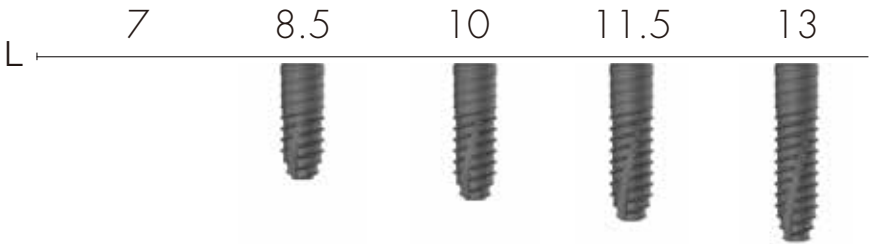
* Recommend to use fixture bigger than Ø4.5 mm for single case in posterior area
* Incompatible to use other brands' prosthetic products for Short Fixture (less than 7mm length) in case of I-System

**Cover Screw not included in the Fixture package.**



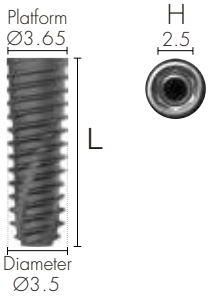
## Narrow Ø3.0 (mm)

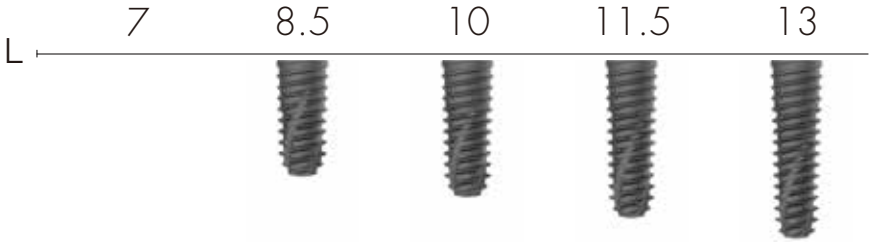



ZMSN3008 ZMSN3010 ZMSN3011 ZMSN3013

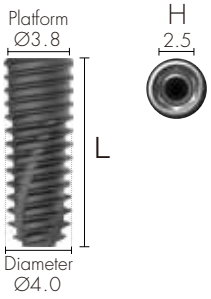
## Mini Ø3.5 (mm)

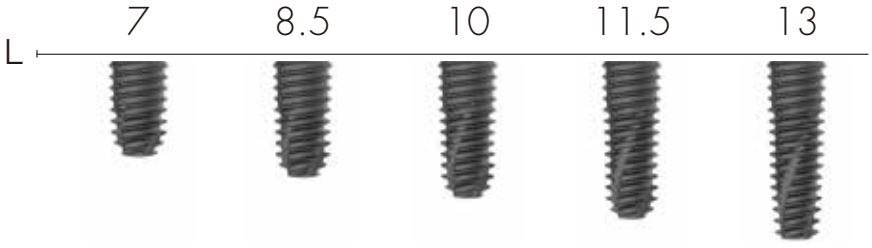



ZMSM3508 ZMSM3510 ZMSM3511 ZMSM3513

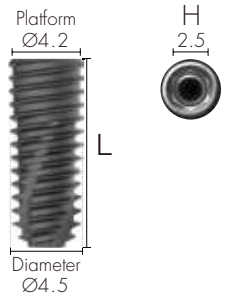
## R Ø4.0 (mm)

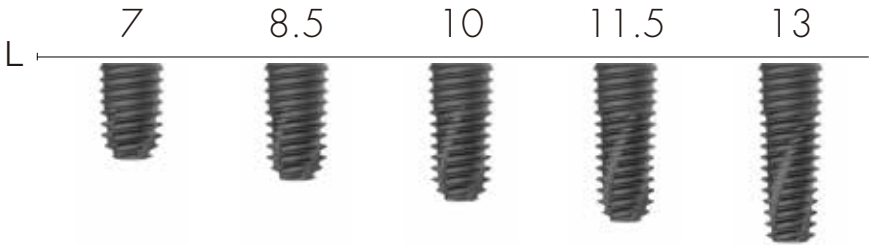



ZMSR4007 ZMSR4008 ZMSR4010 ZMSR4011 ZMSR4013

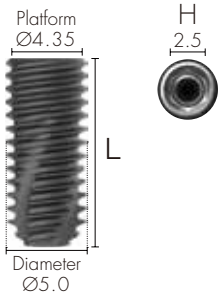
**R**
**Ø4.5**
**(mm)**

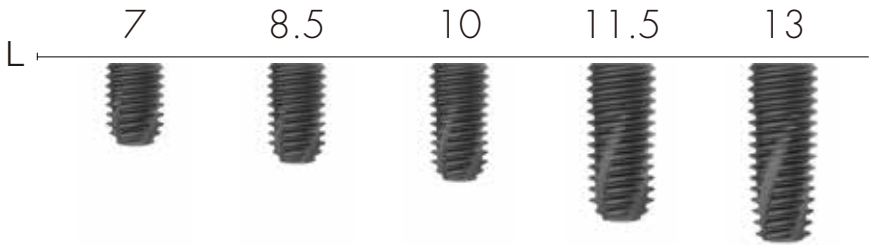



ZMSR4507 ZMSR4508 ZMSR4510 ZMSR4511 ZMSR4513

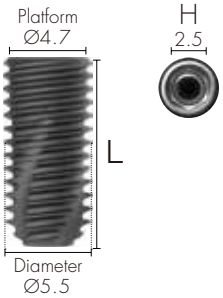
**W**
**Ø5.0**
**(mm)**

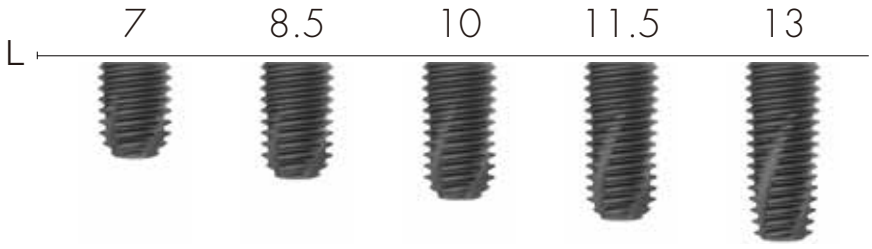



ZMSW5007 ZMSW5008 ZMSW5010 ZMSW5011 ZMSW5013

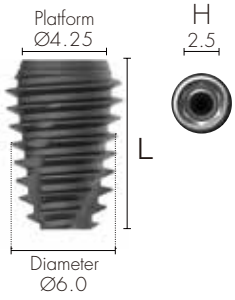
**W**
**Ø5.5**
**(mm)**

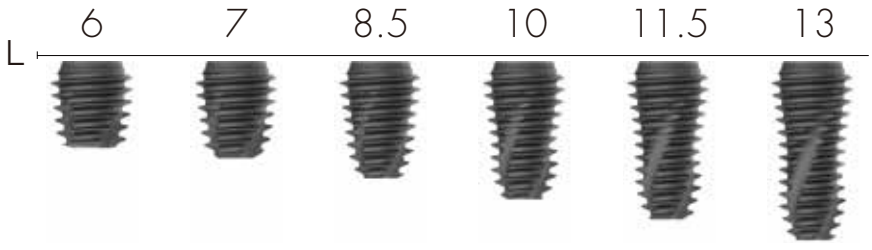



ZMSW5507 ZMSW5508 ZMSW5510 ZMSW5511 ZMSW5513

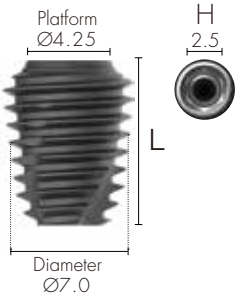
**W**
**Ø6.0**
**(mm)**

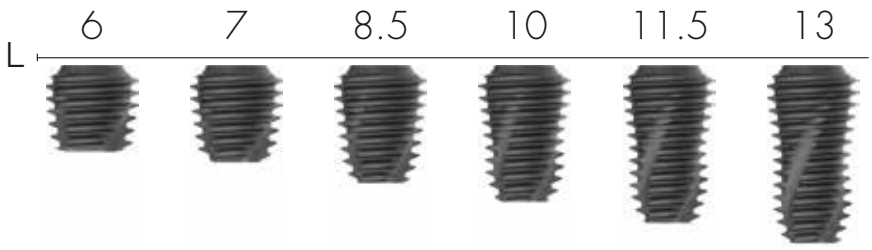



ZMSW6006 ZMSW6007 ZMSW6008 ZMSW6010 ZMSW6011 ZMSW6013

**W**
**Ø7.0**
**(mm)**



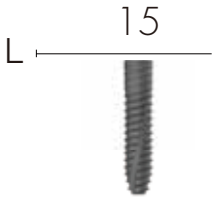

ZMSW7006 ZMSW7007 ZMSW7008 ZMSW7010 ZMSW7011 ZMSW7013

# Special Options



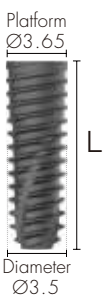
**Narrow**
**Ø3.0**
**(mm)**



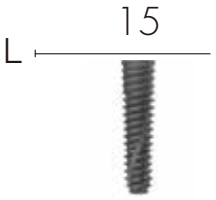



ZMSN3015

**Mini**
**Ø3.5**
**(mm)**

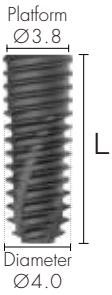




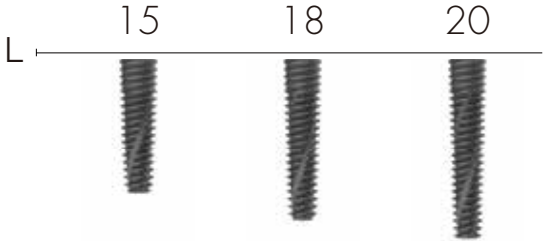



ZMSM3515

**R**
**Ø4.0**
**(mm)**

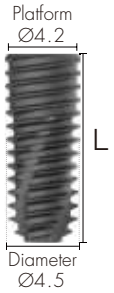




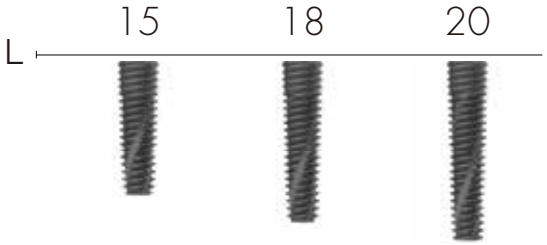



ZMSR4015 ZMSR4018 ZMSR4020

**R**
**Ø4.5**
**(mm)**

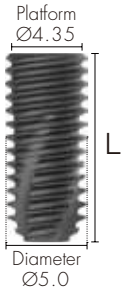




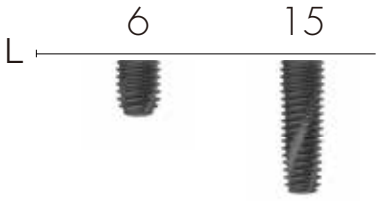



ZMSR4515 ZMSR4518 ZMSR4520

**W**
**Ø5.0**
**(mm)**

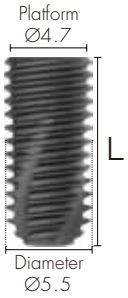




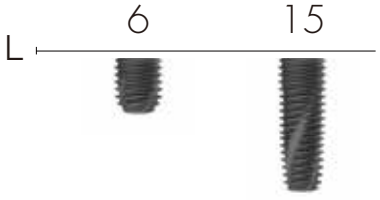



ZMSW5006 ZMSW5015

**W**
**Ø5.5**
**(mm)**








ZMSW5506 ZMSW5515

# Cover Screw

Select appropriate fixture height upon depth of implant placement.
Select specification fits for fixture connection.

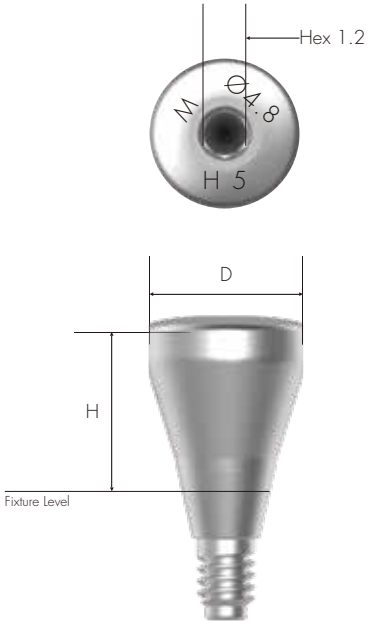
Tighten with 1.2 Hex Driver by hand
Recommended tightening torque: 5~8Ncm

| | H (mm) 0.4 | 1.4 | 2.0 |
|---|---|---|---|
| **Narrow** |  CSSN30S |  CSSN30M |  CSSN30L |
| **Mini** |  CSSM30S |  CSSM30M |  CSSM30L |
| **R/W** |  CSSR40S |  CSSR40M |  CSSR40L |

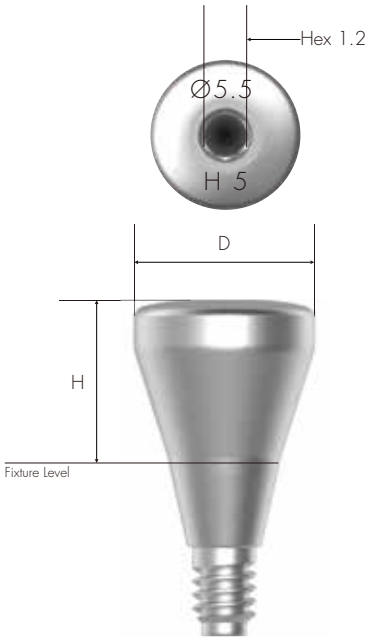
# Healing Abutment

Use Healing Abutment fits for the diameter of abutment.
Use specification fits for fixture connection.

Tighten with 1.2 Hex Driver by hand
Recommended tightening torque: 5~8Ncm




Narrow




Mini, Regular & Wide

## Narrow

| H (mm) | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 |
|---|---|---|---|---|---|
| D (mm) | | | | | |
| Ø4.3 | HATM403 | HATM404 | HATM405 | HATM407 | HATM409 |
| Ø4.8 | HATM453 | HATM454 | HATM455 | HATM457 | HATM459 |

## M/R/W

| H (mm) / D (mm) | 2.0 | 3.0 | 4.0 | 5.0 |
|---|---|---|---|---|
| |  |  |  |  |
| Ø4.3 | HASR402 | HASR403 | HASR404 | HASR405 |
| Ø4.8 | HASR452 | HASR453 | HASR454 | HASR455 |
| Ø5.5 | HASR522 | HASR523 | HASR524 | HASR525 |
| Ø6.0 | HASR572 | HASR573 | HASR574 | HASR575 |
| Ø6.8 | HASR652 | HASR653 | HASR654 | HASR655 |
| Ø8.0 | | HASR803 | HASR804 | HASR805 |
| Ø9.0 | | HASR903 | HASR904 | HASR905 |

## M/R/W

| H (mm) / D (mm) | 6.0 | 7.0 | 9.0 |
|---|---|---|---|
| |  |  |  |
| Ø4.3 | HASR406 | HASR407 | HASR409 |
| Ø4.8 | HASR456 | HASR457 | HASR459 |
| Ø5.5 | HASR526 | HASR527 | HASR529 |
| Ø6.0 | HASR576 | HASR577 | HASR579 |
| Ø6.8 | HASR656 | HASR657 | HASR659 |

IZEN
IMPLANT

# Prosthetic Flow Chart I

Temporary Abutment

30p

Cemented Abutment

31p

Angled Abutment

36p

FreeMilling Abutment

40p

CCM Cast Abutment

42p

Fixture Lab Analog

47p

Pick-Up Impression Coping

43p

Transfer Impression Coping

45p

Cover Screw

25p

Healing Abutment

26p

1.2 Hex Driver

143p

ZENEX MULTI Fixture

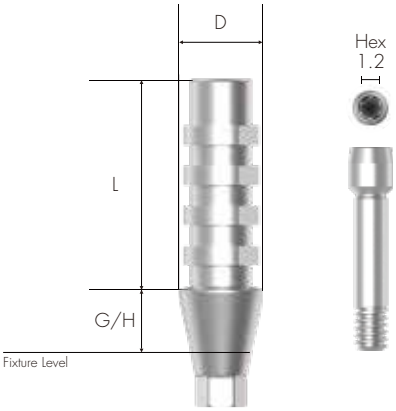
22p

# Temporary Abutment

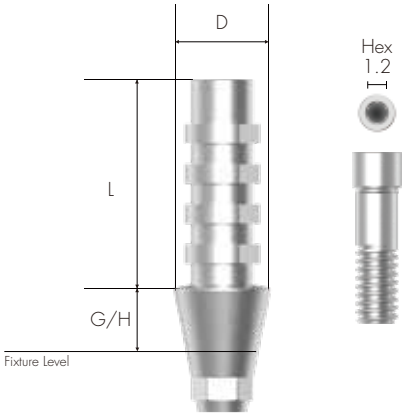
Abutment for manufacturing Screw-retained type temporary prosthesis
Select specification fits for fixture connection.
Fixture Level Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 20Ncm

To order as a set as 'Abutment + Abutment Screw'
: Product Code + S (ex: TASRH4510S)




Narrow




Mini, Regular & Wide



## Narrow
DØ4.0

G/H (mm) 1.0 3.0

| Hex | Non-Hex | Hex | Non-Hex |
|---|---|---|---|
| TATMH4010 | TATMN4010 | TATMH4030 | TATMN4030 |

## M/R/W
DØ4.5

G/H (mm) 1.0 3.0

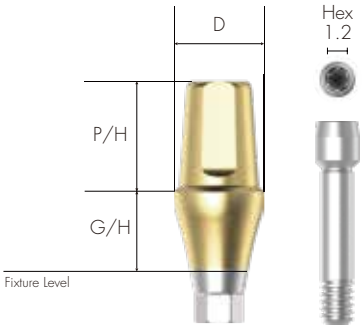
| Hex | Non-Hex | Hex | Non-Hex |
|---|---|---|---|
| TASRH4510 | TASRN4510 | TASRH4530 | TASRN4530 |

# Cemented Abutment

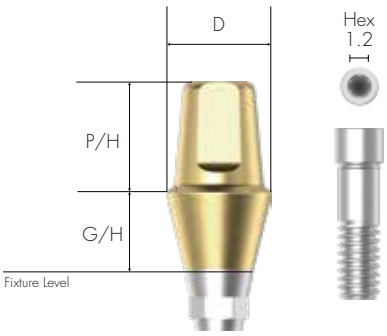
Abutment for manufacturing Cement/Combination-retained type prosthesis
Select specification fits for fixture connection.
Customized by grinding (need to be maintained at least 3.0mm of Abutment Length above Fixture Platform)
Fixture Level Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm

To order as a set as 'Abutment + Abutment Screw'
: Product Code + S (ex: CASRH45104S)



Narrow



Mini, Regular & Wide



## Narrow DØ4.0

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | P/H (mm) |  |  |  |  |
| Hex | 5.5 | CATMH40105 | CATMH40205 | CATMH40305 | CATMH40405 |
| | 7.0 | CATMH40107 | CATMH40207 | CATMH40307 | CATMH40407 |
| Non-Hex | 5.5 | CATMN40105 | CATMN40205 | CATMN40305 | CATMN40405 |
| | 7.0 | CATMN40107 | CATMN40207 | CATMN40307 | CATMN40407 |

## Narrow DØ4.0

| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | P/H (mm) |  |  |  |
| Hex | 5.5 | CATMH40505 | CATMH40605 | CATMH40705 |
| | 7.0 | CATMH40507 | CATMH40607 | CATMH40707 |
| Non-Hex | 5.5 | CATMN40505 | CATMN40605 | CATMN40705 |
| | 7.0 | CATMN40507 | CATMN40607 | CATMN40707 |

## Narrow DØ4.5

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | |  |  |  |  |
| | P/H (mm) | | | | |
| Hex | 5.5 | CATMH45105 | CATMH45205 | CATMH45305 | CATMH45405 |
| | 7.0 | CATMH45107 | CATMH45207 | CATMH45307 | CATMH45407 |
| Non-Hex | 5.5 | CATMN45105 | CATMN45205 | CATMN45305 | CATMN45405 |
| | 7.0 | CATMN45107 | CATMN45207 | CATMN45307 | CATMN45407 |

## Narrow DØ4.5

| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | |  |  |  |
| | P/H (mm) | | | |
| Hex | 5.5 | CATMH45505 | CATMH45605 | CATMH45705 |
| | 7.0 | CATMH45507 | CATMH45607 | CATMH45707 |
| Non-Hex | 5.5 | CATMN45505 | CATMN45605 | CATMN45705 |
| | 7.0 | CATMN45507 | CATMN45607 | CATMN45707 |

## M/R/W DØ4.5

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | |  |  |  |  |
| | P/H (mm) | | | | |
| Hex | 4.0 | CASRH45104 | CASRH45204 | CASRH45304 | CASRH45404 |
| | 5.5 | CASRH45105 | CASRH45205 | CASRH45305 | CASRH45405 |
| | 7.0 | CASRH45107 | CASRH45207 | CASRH45307 | CASRH45407 |
| Non-Hex | 4.0 | CASRN45104 | CASRN45204 | CASRN45304 | CASRN45404 |
| | 5.5 | CASRN45105 | CASRN45205 | CASRN45305 | CASRN45405 |
| | 7.0 | CASRN45107 | CASRN45207 | CASRN45307 | CASRN45407 |

## M/R/W DØ4.5

| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | |  |  |  |
| | P/H (mm) | | | |
| Hex | 4.0 | CASRH45504 | CASRH45604 | CASRH45704 |
| | 5.5 | CASRH45505 | CASRH45605 | CASRH45705 |
| | 7.0 | CASRH45507 | CASRH45607 | CASRH45707 |
| Non-Hex | 4.0 | CASRN45504 | CASRN45604 | CASRN45704 |
| | 5.5 | CASRN45505 | CASRN45605 | CASRN45705 |
| | 7.0 | CASRN45507 | CASRN45607 | CASRN45707 |

## M/R/W DØ5.2

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | |  |  |  |  |
| | P/H (mm) | | | | |
| Hex | 4.0 | CASRH52104 | CASRH52204 | CASRH52304 | CASRH52404 |
| | 5.5 | CASRH52105 | CASRH52205 | CASRH52305 | CASRH52405 |
| | 7.0 | CASRH52107 | CASRH52207 | CASRH52307 | CASRH52407 |
| Non-Hex | 4.0 | CASRN52104 | CASRN52204 | CASRN52304 | CASRN52404 |
| | 5.5 | CASRN52105 | CASRN52205 | CASRN52305 | CASRN52405 |
| | 7.0 | CASRN52107 | CASRN52207 | CASRN52307 | CASRN52407 |

## M/R/W DØ5.2

| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | |  |  |  |
| | P/H (mm) | | | |
| Hex | 4.0 | CASRH52504 | CASRH52604 | CASRH52704 |
| | 5.5 | CASRH52505 | CASRH52605 | CASRH52705 |
| | 7.0 | CASRH52507 | CASRH52607 | CASRH52707 |
| Non-Hex | 4.0 | CASRN52504 | CASRN52604 | CASRN52704 |
| | 5.5 | CASRN52505 | CASRN52605 | CASRN52705 |
| | 7.0 | CASRN52507 | CASRN52607 | CASRN52707 |

## M/R/W DØ5.7

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | |  |  |  |  |
| | P/H (mm) | | | | |
| Hex | 4.0 | CASRH57104 | CASRH57204 | CASRH57304 | CASRH57404 |
| | 5.5 | CASRH57105 | CASRH57205 | CASRH57305 | CASRH57405 |
| | 7.0 | CASRH57107 | CASRH57207 | CASRH57307 | CASRH57407 |
| Non-Hex | 4.0 | CASRN57104 | CASRN57204 | CASRN57304 | CASRN57404 |
| | 5.5 | CASRN57105 | CASRN57205 | CASRN57305 | CASRN57405 |
| | 7.0 | CASRN57107 | CASRN57207 | CASRN57307 | CASRN57407 |

## M/R/W DØ5.7

| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | |  |  |  |
| | P/H (mm) | | | |
| Hex | 4.0 | CASRH57504 | CASRH57604 | CASRH57704 |
| | 5.5 | CASRH57505 | CASRH57605 | CASRH57705 |
| | 7.0 | CASRH57507 | CASRH57607 | CASRH57707 |
| Non-Hex | 4.0 | CASRN57504 | CASRN57604 | CASRN57704 |
| | 5.5 | CASRN57505 | CASRN57605 | CASRN57705 |
| | 7.0 | CASRN57507 | CASRN57607 | CASRN57707 |

## M/R/W DØ6.5

| | G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 |
|---|---|---|---|---|---|
| | |  |  |  |  |
| | P/H (mm) | | | | |
| Hex | 4.0 | CASRH65104 | CASRH65204 | CASRH65304 | CASRH65404 |
| | 5.5 | CASRH65105 | CASRH65205 | CASRH65305 | CASRH65405 |
| Non-Hex | 4.0 | CASRN65104 | CASRN65204 | CASRN65304 | CASRN65404 |
| | 5.5 | CASRN65105 | CASRN65205 | CASRN65305 | CASRN65405 |

**M/R/W**
DØ6.5

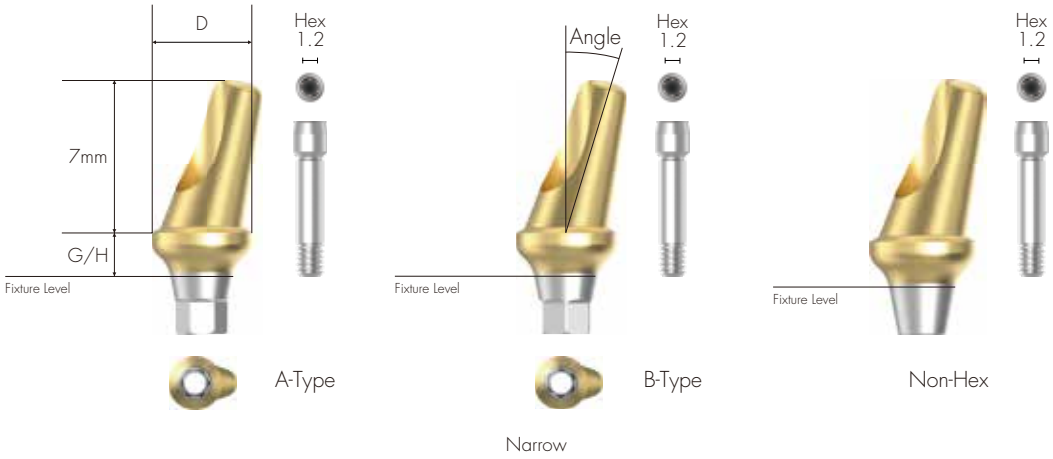
| | G/H (mm) | 5.0 | 6.0 | 7.0 |
|---|---|---|---|---|
| | |  |  |  |
| | P/H (mm) | | | |
| Hex | 4.0 | CASRH65504 | CASRH65604 | CASRH65704 |
| | 5.5 | CASRH65505 | CASRH65605 | CASRH65705 |
| Non-Hex | 4.0 | CASRN65504 | CASRN65604 | CASRN65704 |
| | 5.5 | CASRN65505 | CASRN65605 | CASRN65705 |

# Angled Abutment

Abutment for manufacturing Cement/Combination-retained type prosthesis
Various types of Angle (17° for Ø 3.0 Narrow Fixture / 15° & 25° for Mini, Regular and Wide Fixture [Ø 3.5 ~ Ø 7.0])
Select specification fits for fixture connection.
Fixture Level Impression
Can be positioned in 12 directions by selecting A or B type

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm

To order as a set as 'Abutment + Abutment Screw'
: Product Code + S (ex: AASRA45152S)




Narrow

## Narrow DØ4.0

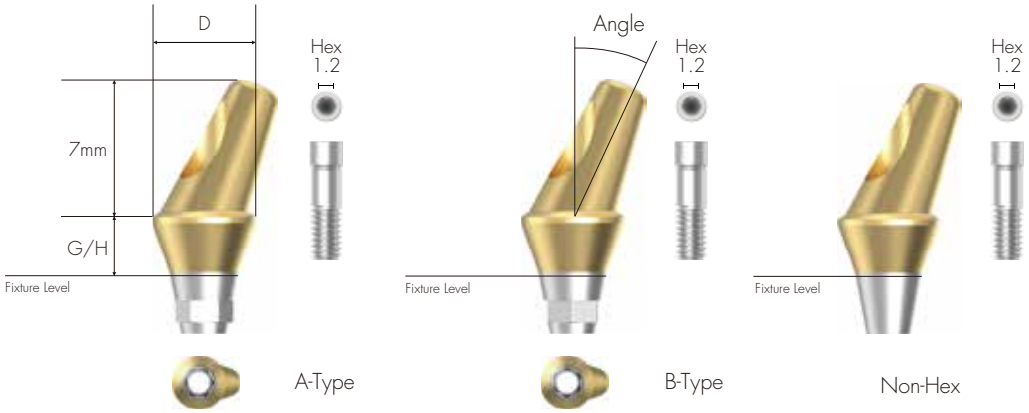
| G/H (mm) | 2.0 | 4.0 |
|---|---|---|
| Angle | 17° | |

| | | |
|---|---|---|
| A-Type | AATMA40172 | AATMA40174 |
| B-Type | AATMB40172 | AATMB40174 |
| Non-Hex | AATMN40172 | AATMN40174 |

## Narrow DØ4.5

| G/H (mm) | 2.0 | 4.0 |
|---|---|---|
| Angle | 17° | |

| | | |
|---|---|---|
| A-Type | AATMA45172 | AATMA45174 |
| B-Type | AATMB45172 | AATMB45174 |
| Non-Hex | AATMN45172 | AATMN45174 |




Mini, Regular & Wide

**M/R/W**
DØ4.5

| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 15° | |

| | | | |
|---|---|---|---|
| A-Type | AASRA45152 | AASRA45153 | AASRA45154 |
| B-Type | AASRB45152 | AASRB45153 | AASRB45154 |
| Non-Hex | AASRN45152 | AASRN45153 | AASRN45154 |

**M/R/W**
DØ5.2

| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 15° | |

| | | | |
|---|---|---|---|
| A-Type | AASRA52152 | AASRA52153 | AASRA52154 |
| B-Type | AASRB52152 | AASRB52153 | AASRB52154 |
| Non-Hex | AASRN52152 | AASRN52153 | AASRN52154 |

## M/R/W DØ5.7

| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 15° | |
| |  |  |  |
| A-Type | AASRA57152 | AASRA57153 | AASRA57154 |
| B-Type | AASRB57152 | AASRB57153 | AASRB57154 |
| Non-Hex | AASRN57152 | AASRN57153 | AASRN57154 |

## M/R/W DØ4.5

| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 25° | |
| |  |  |  |
| A-Type | AASRA45252 | AASRA45253 | AASRA45254 |
| B-Type | AASRB45252 | AASRB45253 | AASRB45254 |
| Non-Hex | AASRN45252 | AASRN45253 | AASRN45254 |

## M/R/W DØ5.2

| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 25° | |
| |  |  |  |
| A-Type | AASRA52252 | AASRA52253 | AASRA52254 |
| B-Type | AASRB52252 | AASRB52253 | AASRB52254 |
| Non-Hex | AASRN52252 | AASRN52253 | AASRN52254 |

**M/R/W**
DØ5.7

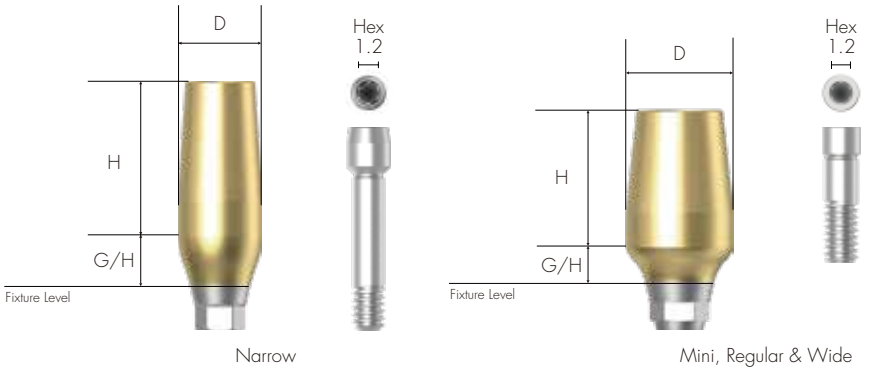
| G/H (mm) | 2.0 | 3.0 | 4.0 |
|---|---|---|---|
| Angle | | 25° | |
| |  |  |  |
| A-Type | AASRA57252 | AASRA57253 | AASRA57254 |
| B-Type | AASRB57252 | AASRB57253 | AASRB57254 |
| Non-Hex | AASRN57252 | AASRN57253 | AASRN57254 |

# FreeMilling Abutment

Abutment for manufacturing Cement/Combination-retained type prosthesis
Used when creating free marginal space for Abutment
Select specification fits for fixture Connection
Customized by grinding (need to be maintained at least 3.0mm of Abutment Length above Fixture Platform)
Fixture Level Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm
When using a Narrow Fixture (Ø 3.0), use Mini Type FreeMilling Abutment of T-System.

To order as a set as 'Abutment + Abutment Screw'
: Product Code + S (ex: FMASRH52208S)






## Narrow

DØ4.0
H: 9.0mm

| G/H (mm) | 1.5 | | 3.0 | |
|---|---|---|---|---|
| |  |  |  |  |
| | Hex | Non-Hex | Hex | Non-Hex |
| | FMATMH40159 | FMATMN40159 | FMATMH40309 | FMATMN40309 |

## M/R/W

DØ4.5
H: 9.0mm

| G/H (mm) | 2.0 | | 4.0 | |
|---|---|---|---|---|
| |  |  |  |  |
| | Hex | Non-Hex | Hex | Non-Hex |
| | FMASRH45209 | FMASRN45209 | FMASRH45409 | FMASRN45409 |

**M/R/W**

DØ5.2

H: 8.0mm

| G/H (mm) | 2.0 | | 4.0 | |
|---|---|---|---|---|
| |  |  |  |  |
| | Hex | Non-Hex | Hex | Non-Hex |
| | FMASRH52208 | FMASRN52208 | FMASRH52408 | FMASRN52408 |

**M/R/W**

DØ5.7

H: 8.0mm

| G/H (mm) | 2.0 | | 4.0 | |
|---|---|---|---|---|
| |  |  |  |  |
| | Hex | Non-Hex | Hex | Non-Hex |
| | FMASRH57208 | FMASRN57208 | FMASRH57408 | FMASRN57408 |

**M/R/W**

DØ6.5

H: 8.0mm

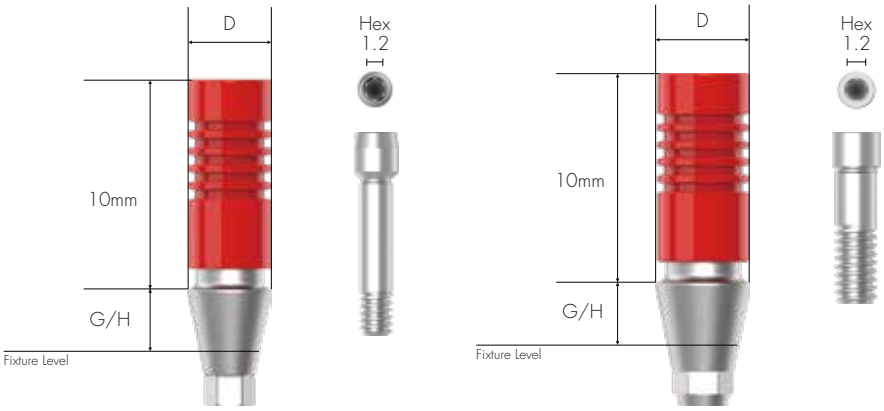
| G/H (mm) | 2.0 | | 4.0 | |
|---|---|---|---|---|
| |  |  |  |  |
| | Hex | Non-Hex | Hex | Non-Hex |
| | FMASRH65208 | FMASRN65208 | FMASRH65408 | FMASRN65408 |

# CCM Cast Abutment

Abutment for manufacturing customized abutment in difficult and complicated cases
Select specification fits for fixture connection
Fixture Level Impression
Casting with non-precious alloy for manufacturing customized prosthesis
Melting point of CCM : 1,400 ~ 1,550°C

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm

To order as a set as 'Abutment + Abutment Screw'
: Product Code + S (ex: CCASRH4510S)




Narrow

Mini, Regular & Wide



## Narrow
DØ4.0

G/H (mm)

| 1.0 | | 3.0 | |
|---|---|---|---|
|  |  |  |  |
| Hex | Non-Hex | Hex | Non-Hex |
| CCATMH4010 | CCATMN4010 | CCATMH4030 | CCATMN4030 |

## M/R/W
DØ4.5

G/H (mm)

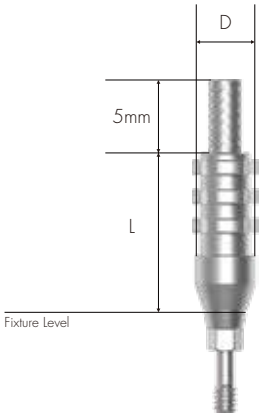
| 1.0 | | 3.0 | |
|---|---|---|---|
|  |  |  |  |
| Hex | Non-Hex | Hex | Non-Hex |
| CCASRH4510 | CCASRN4510 | CCASRH4530 | CCASRN4530 |

# Pick-Up Impression Coping

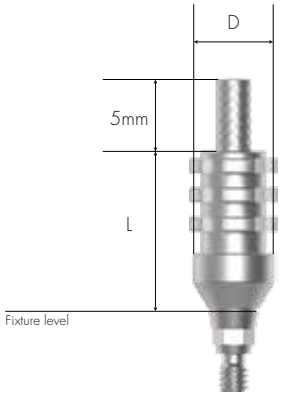
Components for Fixture Level Impression
Open Tray Type
Select specification fits for fixture connection
Enables accurate impression with design of stably fixed in impression material

Tighten with 1.2 Hex Driver by hand

To order as a set as 'Impression Coping Body + Guide Pin'
: [For 11mm Length] Product Code + S (ex: PISRH40SS)
[For 15mm Length] Product Code + S (ex: PISRH40LS)



Narrow



Mini, Regular & Wide



| | L (mm) | 11.0 | | Guide Pin S |
|---|---|---|---|---|
| | | Hex | Non-Hex | |
| | D (mm) |  |  |  |
| Narrow | Ø4.0 | PITMH40S | PITMN40S | PIGPTMS |
| | Ø4.5 | PITMH45S | PITMN45S | |
| M/R/W | Ø4.0 | PISRH40S | PISRN40S | PIGPSRS |
| | Ø4.8 | PISRH45S | PISRN45S | |
| | Ø5.5 | PISRH52S | PISRN52S | |
| | Ø6.0 | PISRH57S | PISRN57S | |
| | Ø6.8 | PISRH65S | PISRN65S | |

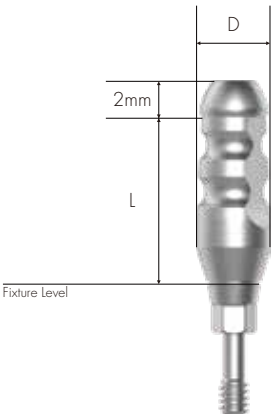
| | L (mm) | 15.0 | | Guide Pin L | |
|---|---|---|---|---|---|
| | | Hex | Non-Hex | | |
| | |  |  |  |  |
| | D (mm) | | | | |
| Narrow | Ø4.0 | PITMH40L | PITMN40L | PIGPTML | |
| Narrow | Ø4.5 | PITMH45L | PITMN45L | PIGPTML | |
| M/R/W | Ø4.0 | PISRH40L | PISRN40L | | |
| M/R/W | Ø4.8 | PISRH45L | PISRN45L | | |
| M/R/W | Ø5.5 | PISRH52L | PISRN52L | | PIGPSRL |
| M/R/W | Ø6.0 | PISRH57L | PISRN57L | | PIGPSRL |
| M/R/W | Ø6.8 | PISRH65L | PISRN65L | | PIGPSRL |

# Transfer Impression Coping

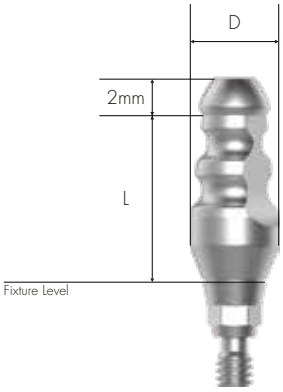
Components for Fixture Level Impression
Closed Tray Type
Select specification fits for fixture connection
Streamlined Shape: Easy to transfer
Anti-Rotation Grooves accord with Hex of fixture

Tighten with 1.2 Hex Driver by hand

To order as a set as 'Impression Coping Body + Guide Pin'
: [For 9mm Length] Product Code + S (ex: TISRH40SS)
[For 13mm Length] Product Code + S (ex: TISRH40LS)




Narrow




Mini, Regular & Wide



| | L (mm) | 9.0 | | Guide Pin S |
|---|---|---|---|---|
| | | Hex | Non-Hex | |
| | |  |  |  |
| | D (mm) | | | |
| Narrow | Ø4.0 | TITMH40S | TITMN40S | TIGPTMS |
| Narrow | Ø4.5 | TITMH45S | TITMN45S | TIGPTMS |
| M/R/W | Ø4.0 | TISRH40S | TISRN40S | TIGPSRS |
| M/R/W | Ø4.8 | TISRH45S | TISRN45S | TIGPSRS |
| M/R/W | Ø5.5 | TISRH52S | TISRN52S | TIGPSRS |
| M/R/W | Ø6.0 | TISRH57S | TISRN57S | TIGPSRS |
| M/R/W | Ø6.8 | TISRH65S | TISRN65S | TIGPSRS |

| | L (mm) | 13.0 | | Guide Pin L | |
|---|---|---|---|---|---|
| | | Hex | Non-Hex | | |
| | |  |  |  |  |
| | D (mm) | | | | |
| Narrow | Ø4.0 | TITMH40L | TITMN40L | TIGPTML | |
| | Ø4.5 | TITMH45L | TITMN45L | | |
| M/R/W | Ø4.0 | TISRH40L | TISRN40L | | |
| | Ø4.8 | TISRH45L | TISRN45L | | |
| | Ø5.5 | TISRH52L | TISRN52L | | TIGPSRL |
| | Ø6.0 | TISRH57L | TISRN57L | | |
| | Ø6.8 | TISRH65L | TISRN65L | | |

# Fixture Lab Analog

Lab Analog for Fixture Level Impression
Select among Fixture Diameter (Ø 3.0 / Ø 3.5 / Ø 4.0 and above)




**Narrow**
DØ3.2

FLASN300

**Mini**
DØ3.75

FLASM350

**R/W**
DØ4.25

FLASR400

IZEN
IMPLANT

# Prosthetic Flow Chart II

Multi Temporary Cylinder

53p

Multi CCM Cast Cylinder

53p

Multi Plastic Cast Cylinder

54p

Multi Ti Link Cylinder

54p

Multi Lab Analog

56p

Multi Pick-Up Impression Coping

55p

Multi Transfer Impression Coping

55p

Multi Straight Abutment Driver

57p

Multi Straight Abutment

50p

Multi Angled Abutment

51p

Multi Healing Cap

56p

1.2 Hex Driver

143p

Cover Screw

25p

Healing Abutment

26p

1.2 Hex Driver

143p

ZENEX MULTI Fixture

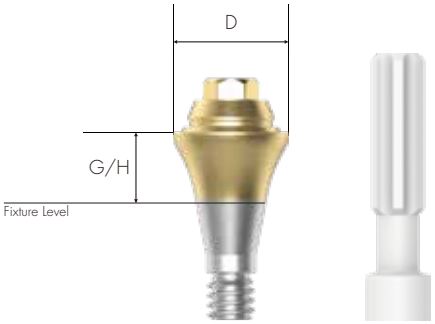
22p

# Multi Straight Abutment

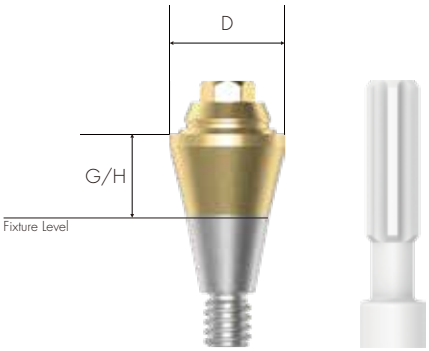
Abutment for manufacturing screw-retained prosthesis in Multiple Case
Same platform as Multi Angled Abutment
Move into internal oral part by using exclusive Abutment Carrier (Code: MSACR48)

Tighten with exclusive driver (Code: MSADSR20)
Recommended tightening torque: 30Ncm

To order as a set as 'Abutment + Carrier'
: Product Code + S (ex: MSASR4815S)




Narrow




Mini, Regular & Wide



## Narrow
DØ4.8

| G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 |
|---|---|---|---|---|---|
| |  | | | | |
| | MSATM4810 | MSATM4820 | MSATM4830 | MSATM4840 | MSATM4850 |

## M/R/W
DØ4.8

| G/H (mm) | 1.5 | 2.5 | 3.5 | 4.5 |
|---|---|---|---|---|
| |  | | | |
| | MSASR4815 | MSASR4825 | MSASR4835 | MSASR4845 |

# Multi Angled Abutment

Abutment for manufacturing screw-retained prosthesis in Multiple Case
Abutment of various angles (17°, 30°) for various angled of implant insertion path
Same platform as Multi Straight Abutment
Compensation of fixture placement angle up to 108°
Connect by using exclusive Abutment Carrier (Code: MAACRMC)

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm
Multi Angled Abutment Screw (MAASTM20 for Mini & MAASSR23 for Regular and Wide) included

To order as a set as 'Abutment + Screw + Carrier'
: Product Code + S (ex: MAASRH481725S)


Narrow

Mini, Regular & Wide



**Narrow** DØ4.8

| G/H (mm) | 2.5 | 3.0 | 4.0 |
|---|---|---|---|
| Angle 17° |  |  |  |
| | MAATMH481725 | MAATMH481730 | MAATMH481740 |

**Narrow** DØ4.8

| G/H (mm) | 3.5 | 4.0 | 5.0 |
|---|---|---|---|
| Angle 30° |  |  |  |
| | MAATMH483035 | MAATMH483040 | MAATMH483050 |

**M/R/W**
DØ4.8

| G/H (mm) | 2.5 | 3.5 | 4.5 | 5.5 |
|---|---|---|---|---|
| Angle 17° |  |  |  |  |
| Hex | MAASRH481725 | MAASRH481735 | MAASRH481745 | MAASRH481755 |
| Non-Hex | MAASRN481725 | MAASRN481735 | MAASRN481745 | MAASRN481755 |

**M/R/W**
DØ4.8

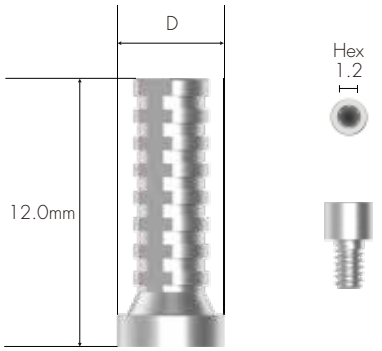
| G/H (mm) | 3.5 | 4.5 | 5.5 | 6.5 |
|---|---|---|---|---|
| Angle 30° |  |  |  |  |
| Hex | MAASRH483035 | MAASRH483045 | MAASRH483055 | MAASRH483065 |
| Non-Hex | MAASRN483035 | MAASRN483045 | MAASRN483055 | MAASRN483065 |

# Multi Temporary Cylinder

Multi Cylinder for making Combination-retained prosthesis from Multi Abutment
For manufacturing Screw-retained temporary Abutment

Tighten with 1.2 Hex Driver
Recommended tightening torque: 20Ncm
Multi Cylinder Screw (MTCSR23) included

To order as a set as 'Cylinder + Multi Cylinder Screw'
: Product Code + S (ex: MTCSRN48S)




DØ4.8

MTCSRN48

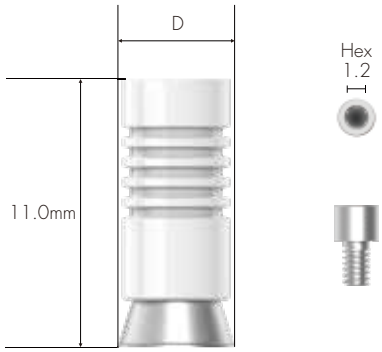


# Multi CCM Cast Cylinder

Multi Cylinder for making Screw-retained prosthesis from Multi Abutment
Casting with non-precious alloy for manufacturing customized prosthesis
Melting point of CCM : 1,400 ~ 1,550°C

Tighten with 1.2 Hex Driver
Recommended tightening torque: 20Ncm
Multi Cylinder Screw (MTCSR23) included

To order as a set as 'Cylinder + Multi Cylinder Screw'
: Product Code + S (ex: MCCCSRN48S)




DØ4.8

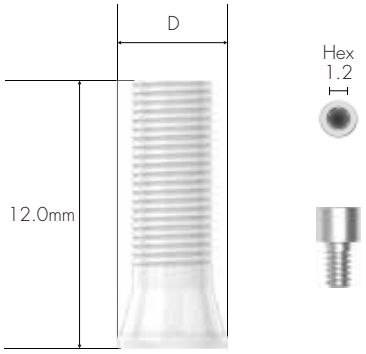
MCCCSRN48

# Multi Plastic Cast Cylinder

Multi Cylinder for making Screw-retained prosthesis from Multi Abutment

Tighten with 1.2 Hex Driver
Recommended tightening torque: 20Ncm
Multi Cylinder Screw (MTCSR23) included

To order as a set as 'Cylinder + Multi Cylinder Screw'
: Product Code + S (ex: MPCCSRN48S)




DØ5.0

MPCCSRN48

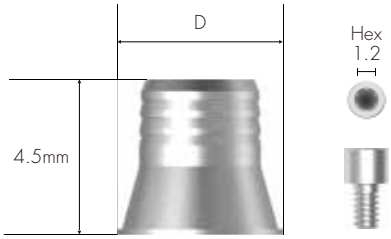


# Multi Ti Link Cylinder

Multi Cylinder for making Combination-retained prosthesis from Multi Abutment
Use when producing Customized Abutment (Titanium & Zirconia) and Crown by CAD/CAM equipment
Use exclusive implant library of ZENEX MULTI Implant System
Abutment Level Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 20Ncm
Multi Cylinder Screw (MTCSR23) included

To order as a set as 'Cylinder + Multi Cylinder Screw'
: Product Code + S (ex: MTLCSRN48S)




DØ4.8

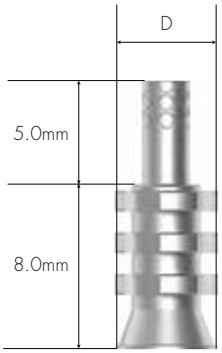
MTLCSRN48

# Multi Pick-Up Impression Coping

Components for taking Abutment Level impression for Multi Abutment
Open Tray Type

Tighten with 1.2 Hex Driver by hand
Multi Pick-up Impression Coping Guide Pin (MPICSRGP) included

To order as a set as 'Impression Coping body + Guide Pin'
: Product Code + S (ex: MPICSR48S)




DØ4.8

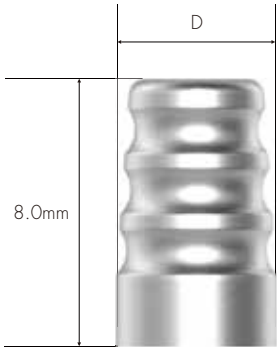
MPICSR48



# Multi Transfer Impression Coping

Components for taking Abutment Level impression for Multi Abutment
Closed Tray Type

Tighten with 1.2 Hex Driver by hand




DØ4.8

MTICSR48

# Multi Lab Analog

Lab Analog for Multi Abutment

MLASR48



# Multi Healing Cap

Protect Cap for Multi Abutment

Tighten with 1.2 Hex Driver by hand


DØ4.8

MHCSR48

# Multi ScanBody

ScanBody for Multi Abutment

ScanBody for manufacturing customized Titanium abutment
Use for Oral scan (Model scan available as well)

Tighten with 1.2 Hex Driver by hand

To order as a set as 'ScanBody + ScanBody Screw'
: Product Code + S (ex: MSBSR4809S)

MSBSR4809



# Multi Straight Abutment Driver

Torque driver for Multi Straight Abutment

MSADSR20

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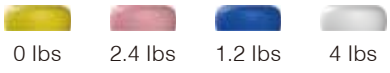
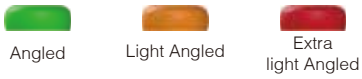
IMPLANT

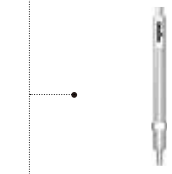
# Prosthetic Flow Chart III




66p


66p




67p

Kerator Lab Analog

68p

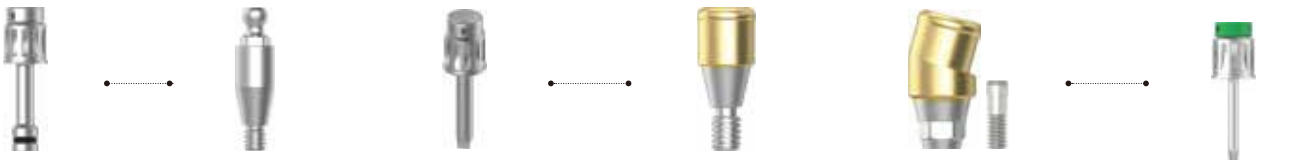
Kerator Impression Coping

68p


61p 61p

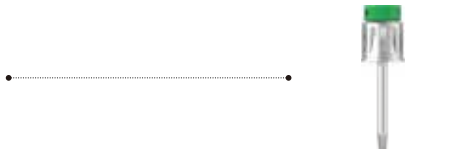
Ball Abutment Lab Analog

62p




63p 60p 67p 64p 65p 143p


25p 26p




143p

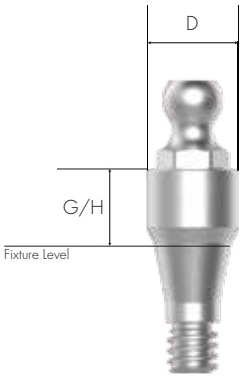
ZENEX MULTI Fixture

22p

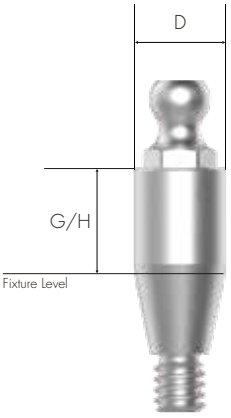
# Ball Abutment

Abutment for overdenture using O-ring attachment
Compensation of mounting angle up to 20°

Tighten with exclusive Ball Abutment Driver (Code: BAD24)
Recommended tightening torque: 30Ncm



Narrow



Mini, Regular & Wide



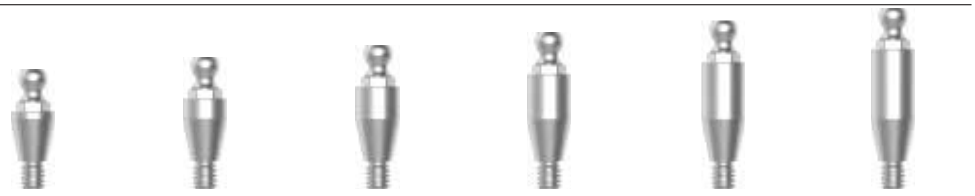
G/H (mm) 1.0 2.0 3.0 4.0 5.0 6.0

**Narrow**
DØ3.5

BATM3510 BATM3520 BATM3530 BATM3540 BATM3550 BATM3560

G/H (mm) 1.0 2.0 3.0 4.0 5.0 6.0

**M/R/W**
DØ3.5



BASR3510 BASR3520 BASR3530 BASR3540 BASR3550 BASR3560

# Ball Abutment Cap Set

O-ring attachment for Ball Abutment
Replace O-ring on Ball Abutment Cap
Packing Unit: Ball Abutment Cap + Ball Abutment Lab O-ring

BASRCS



# Ball Abutment Retainer Set

Use in case lack of vertical diameter comparing to Ball Abutment Retainer
Packing Unit: Ball Abutment Retainer + Ball Abutment Lab O-ring

BASRRS

# Ball Abutment O-ring Set

O-ring set
Packing Unit: Ball Abutment O-ring 5 EA

BASROS



# Ball Abutment Lab Analog

Lab Analog for Ball Abutment

BAALA

# Ball Abutment Driver

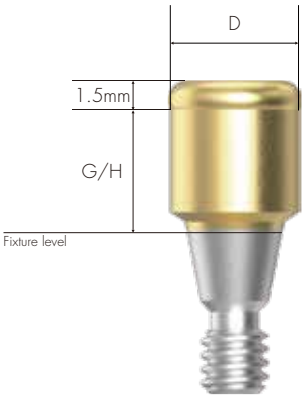
Torque driver for Ball Abutment

BAD24

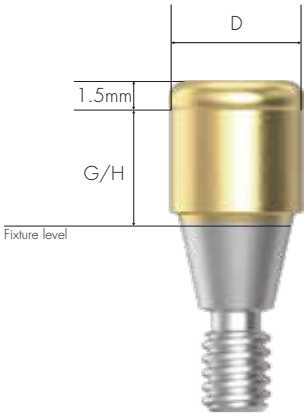
# Kerator Abutment

Compensation of fixture placement angle up to 40°
1.5mm lower vertical dimension
Composition of multiple attachments with stable retention

Connect with exclusive driver
Recommended tightening torque: 30Ncm




Narrow




Mini, Regular & Wide



## Narrow
DØ3.7

| G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
|---|---|---|---|---|---|---|
| | G351 | G352 | G353 | G354 | G355 | G356 |

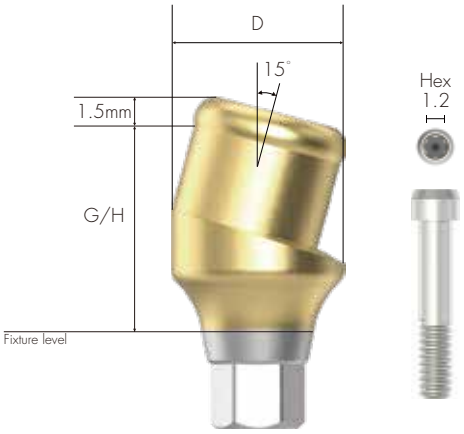
## M/R/W
DØ3.7

| G/H (mm) | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
|---|---|---|---|---|---|---|
| | SQ351 | SQ352 | SQ353 | SQ354 | SQ355 | SQ356 |

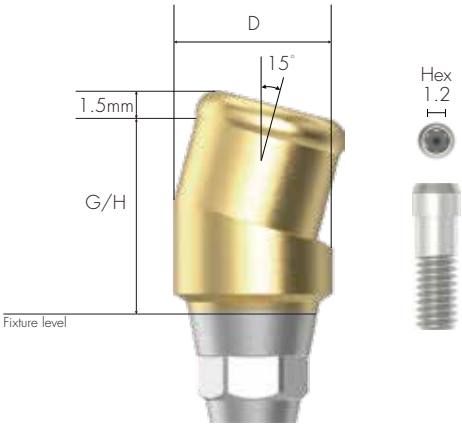
# Kerator Angled Abutment

1.5mm lower vertical dimension
Composition of multiple attachments with stable retention

Connect with 1.2 Hex driver
Recommended tightening torque: 30Ncm




Narrow




Mini, Regular & Wide

## Narrow
DØ3.7

| G/H (mm) | 1.5 | 3.0 |
|---|---|---|
| | G35AN1.5 | G35AN3.0 |

## M/R/W
DØ3.7

| G/H (mm) | 1.5 | 3.0 |
|---|---|---|
| | SQ35AN1.5 | SQ35AN3.0 |

# Kerator CDPH Set

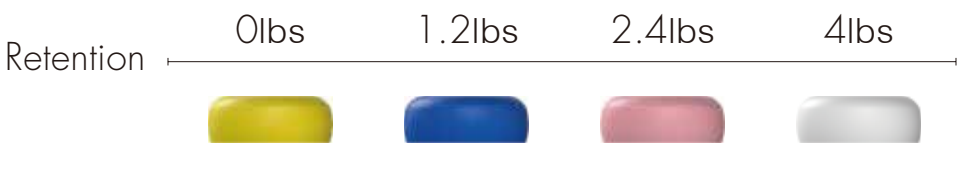
Composition: White spacer / denture cap connected black processing male & Replacement male (Red, Blue & Pink)
Select replacement male of adequate retention to use according to cases
Replace replacement male by using Kerator Magic tool

CDPH SET



# Kerator Male Cap

Retention power of KERATOR male cap is down (up to 20%) and red cap(angle) is included in the male package
Colors of cap determine retention power and it minimizes Denture Repair even there is any continuous bone loss




# Kerator Magic Tool

Use to connect and remove replacement male on denture cap
As separated into two pieces, it is easy to maintenance


KMT002



# Kerator Torque Tip

Torque driver for Kerator Abutment

## Round Type

KMD719

# Kerator Impression Coping

Pick-Up Impression Coping for Kerator abutment
Closed Tray Type

DKI4845



# Kerator Lab Analog

Lab Analog for Kerator Abutment

DKA3854

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# Prosthetic Flow Chart IV



Ti Link Abutment

72p

Ti Blank Abutment

73p

Fixture Lab Analog

47p

Pick-Up Impression Coping

43p

Transfer Impression Coping

45p

Cover Screw

25p

Healing Abutment

26p

1.2 Hex Driver

143p

ZENEX MULTI Fixture

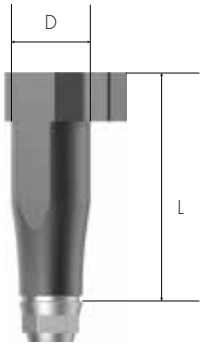
22p

# ScanBody

ScanBody for manufacturing customized Titanium abutment
Use for Oral scan (Model scan available as well)

Tighten with 1.2 Hex Driver by hand

To order as a set as 'ScanBody + ScanBody Screw'
: Product Code + S (ex: ISBR4310S)






**Narrow**
DØ4.0

L : 14mm

TSBM4014

**Mini**
DØ4.0

L : 14mm

ISBM4014

**R/W**
DØ4.3

L : 10mm

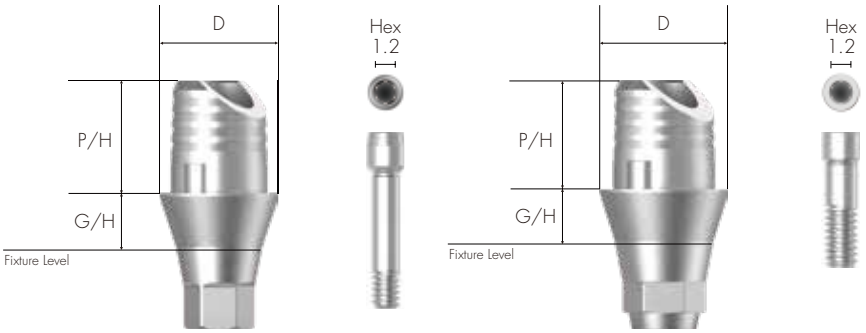
ISBR4310

# Ti Link Abutment

Abutment for manufacturing Cement/Combination-retained type prosthesis
For manufacturing custom abutment (Titanium & Zirconia) and crown by CAD/CAM equipment
Select specification fits for fixture Connection
Use exclusive library for ZENEX MULTI Implant system
Fixture Level Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm

To order as a set as 'Abutment + Screw'
: Product Code + S (ex: TLASRH4520S)




Narrow | Mini, Regular & Wide



## Narrow
DØ4.0

G/H (mm) 1.0 2.0
P/H (mm) 3.8

| Hex | Non-Hex | Hex | Non-Hex |
|---|---|---|---|
| TLATMH4010 | TLATMN4010 | TLATMH4020 | TLATMN4020 |

## M/R/W
DØ4.5

G/H (mm) 1.0 2.0
P/H (mm) 3.8

| Hex | Non-Hex | Hex | Non-Hex |
|---|---|---|---|
| TLASRH4510 | TLASRN4510 | TLASRH4520 | TLASRN4520 |

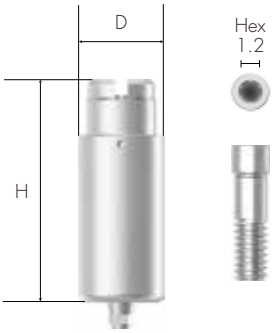
# Ti Blank Abutment

Manufacturing customized abutment with milling machine
Select specification fits for fixture Connection
Digital Impression

Tighten with 1.2 Hex Driver
Recommended tightening torque: 30Ncm
Product line-up applied for various milling machine brands
(Milling machine manufacturer: Doowon, Manix, Vatech, RND)

To order as a set as 'Abutment + Screw'
: Product Code + S (ex: TBASRH10AS)

Narrow



Mini, Regular & Wide



## For Arum Narrow
DØ10

H (mm) 20.0


Hex — TBATMH10A


Non-Hex — TBATMN10A

## M/R/W
DØ10

H (mm) 20.0


Hex — TBASRH10A


Non-Hex — TBASRN10A

## For Manix Narrow

DØ10

H (mm) 20.0

Hex

TBATMH10M

Non-Hex

TBATMN10M

## M/R/W

DØ10

H (mm) 20.0

Hex

TBASRH10M

Non-Hex

TBASRN10M

# ZENEX KIT

## COMPOSITION


134 ZENEX SURGERY KIT

150 ZENEX EASY SURGERY KIT

166 ZENEX SUPERWIDE KIT

176 ZENEX PROSTHETIC KIT


## OTHER SURGICAL INSTRUMENTS

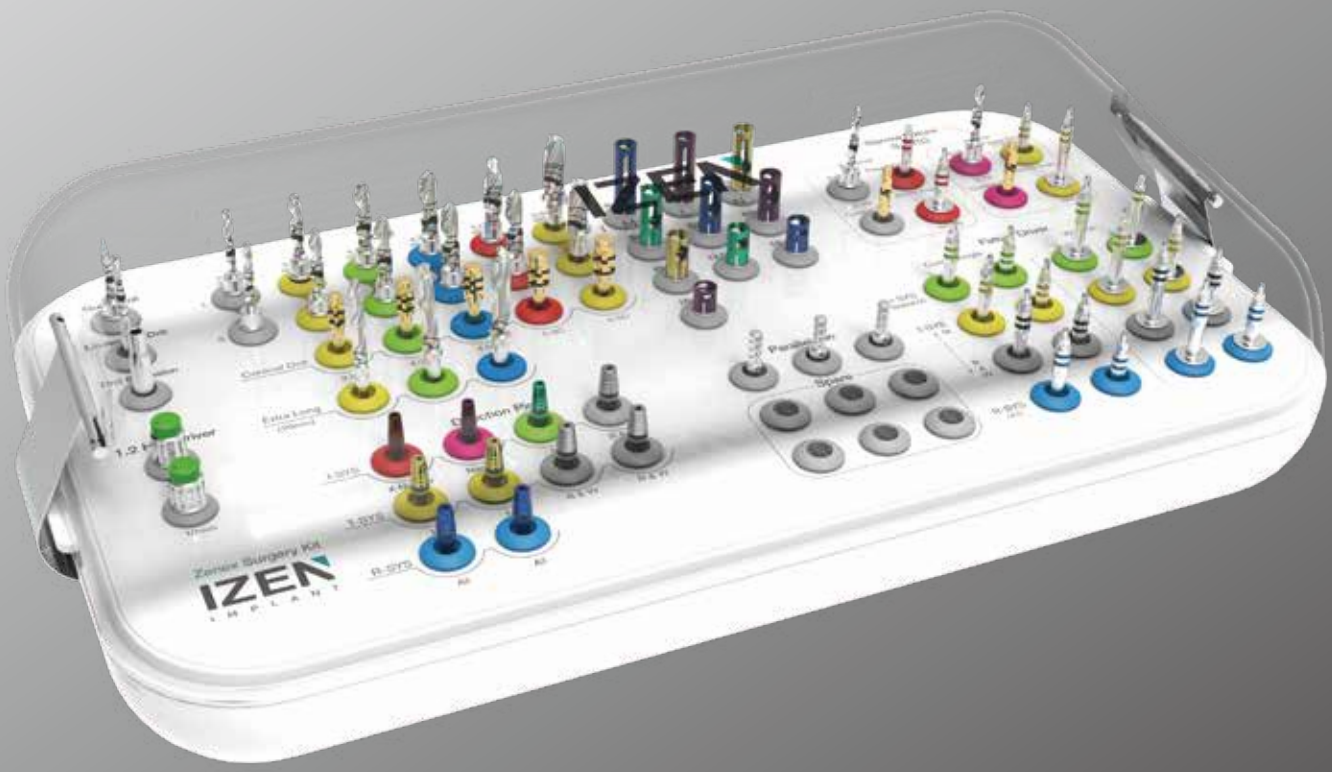

164 Tissue Punch

164 Trephine Drill

165 Bone Profiler

# ZENEX SURGERY KIT



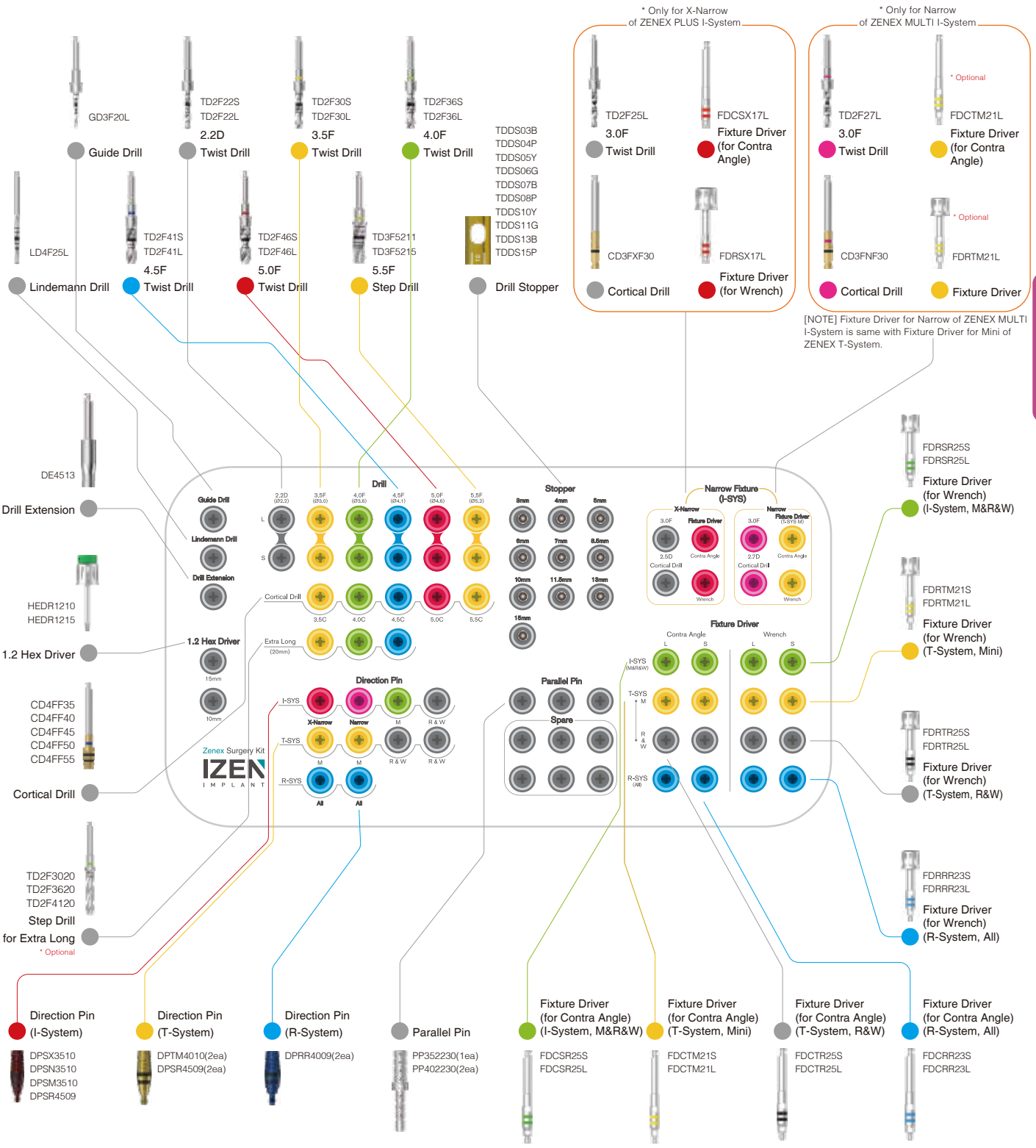


# ZENEX SURGERY KIT



## Composition on lower kit tray

Depth Gauge DG1720 | Torque Wrench TW60B | Steel Bowl STBOWL



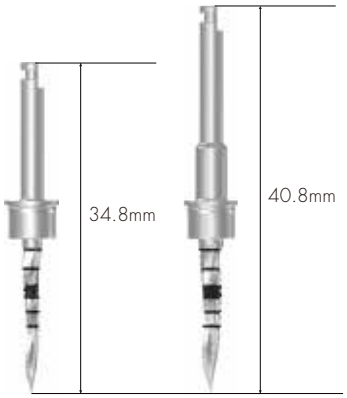
# ZENEX SURGERY KIT Instruments



## Guide Drill

- Drill to mark base hole on the bone for easy initial drilling
- Available to control drilling depth by using with stopper
- Product Code in the Kit: GD3F20L

| D (mm) | Ø1.5 / Ø2.0 |
|---|---|
| **Short** | GD3F20S |
| **Long** | GD3F20L |

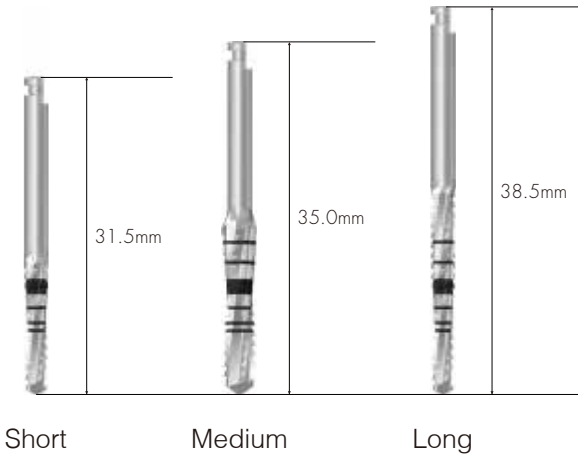



## Lindemann Drill

- Outward blades allow side cutting during drilling
- Available to use when removing ridge part of extraction socket
- Product Code in the Kit: LD4F25L

| D (mm) | Ø1.5 / Ø2.0 | Ø2.0 / Ø2.5 |
|---|---|---|
| **Short** | LD4F20S | LD4F25S |
| **Long** | LD4F20L | LD4F25L |

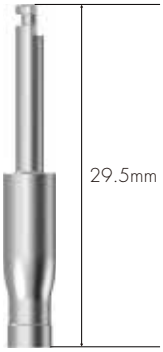
| D (mm) | Ø3.0 / Ø3.5 |
|---|---|
| **Medium** | LD4F35M |



# Drill Extension

- Lengthen surgical instrument in use by connecting to drill and Implant motor
- Be sure to use after accurate connection to prevent product detachment or bending that connected to Drill Extension

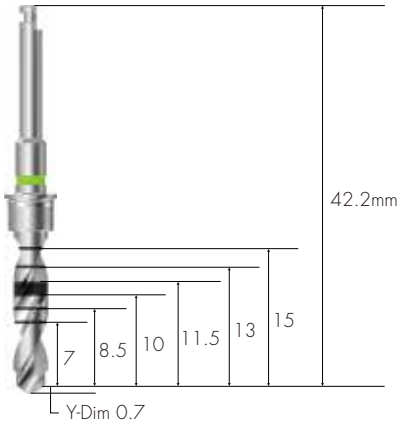
DE4513




# Twist Drill

- Straight drill to shorten surgery steps
- Available to drill to desired depth by attaching stopper (marking line matches with stopper connection)
- Be sure to use stopper since depth control may be difficult due to excellent cutting power.
- Drill of 3.0F (Ø2.2/ 2.5) is applied only for X-Narrow of ZENEX PLUS I-System. (Product code in the Kit : TD2F25L)
- Drill of 3.0F (Ø2.2/ 2.7) is applied only for Narrow of ZENEX MULTI I-System. (Product code in the Kit : TD2F27L)

*Optional

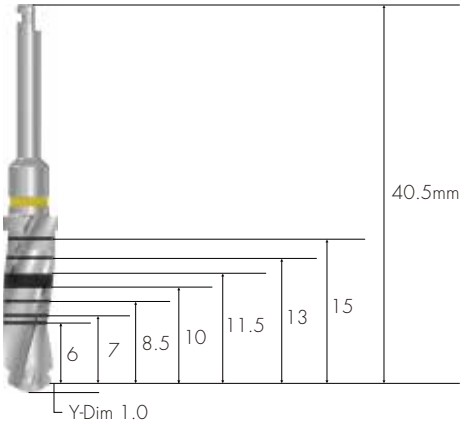



| D (mm) | 2.2D (Ø1.8/ Ø2.2) | 3.0F (Ø2.2 / Ø2.5) | 3.0F (Ø2.2 / Ø2.7) | 3.5F (Ø2.2 / Ø3.0) |
|---|---|---|---|---|
| Short | TD2F22S | TD2F25S* | TD2F27S* | TD2F30S |
| Long | TD2F22L | TD2F25L | TD2F27L | TD2F30L |

| D (mm) | 4.0F (Ø3.0 / Ø3.6) | 4.5F (Ø3.0 / Ø3.6 / Ø4.1) | 5.0F (Ø3.0 / Ø4.1 / Ø4.6) |
|---|---|---|---|
| Short | TD2F36S | TD2F41S | TD2F46S |
| Long | TD2F36L | TD2F41L | TD2F46L |

## Step Drill

- Straight drill to shorten surgery steps
- As stopper is applied in the drill, secure to use although depth control may be difficult due to excellent cutting power
- Colored line on grip part of drill indicates diameter of drill and matching fixture size




- Two kinds of 5.5F Drill (Ø 4.6 / Ø 5.2) are included.

| L (mm) | 5.5F (Ø4.6 / Ø5.2) |
|---|---|
| 11.5 | TD3F5211 |
| **15.0** | TD3F5215 |



- Optional extras: Three kinds of step drill for 20mm extra long



| L (mm) | 3.5F (Ø2.2 / Ø3.0) | 4.0F (Ø3.0 / Ø3.6) | 4.5F (Ø3.0 / Ø3.6 / Ø4.1) |
|---|---|---|---|
| **20.0** | TD2F3020 | TD2F3620 | TD2F4120 |

# Drill Stopper

- Indicated number on each stopper means exposed length, excluding head of drill (Y-Dim) when connected to drill
- Differentiate color by length for easy identification

| L (mm) | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.5 | 10.0 | 11.5 | 13.0 | 15.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  |
| | TDDS03B | TDDS04P | TDDS05Y | TDDS06G | TDDS07B | TDDS08P | TDDS10Y | TDDS11G | TDDS13B | TDDS15P |
| COLOR | Blue | Purple | Yellow | Green | Blue | Purple | Yellow | Green | Blue | Purple |



# Cortical Drill

- Drill used for removing cortical bone from hard bone
- Drill to the bottom of each marking line
- The lower marking line is for drilling on normal bone and the upper marking line is for drilling on hard bone


| | 3.0C (X-Narrow) | 3.0C (Narrow) | 3.5C | 4.0C | 4.5C | 5.0C | 5.5C |
|---|---|---|---|---|---|---|---|
| | CD3FXF30 | CD3FNF30 | CD4FF35 | CD4FF40 | CD4FF45 | CD4FF50 | CD4FF55 |
| COLOR | None | Purple | Yellow | Green | Blue | Red | Yellow |

# Direction Pin

- Confirm gingiva height and path after implant placement
- DPSR4509: Available to use in case of ZENEX I-System (Regular & Wide) and ZENEX T-System (Regular & Wide)

*Only use red marked components for I-System

## I-System

| | X-Narrow (Ø3.5) | Narrow (Ø3.5) | Mini (Ø3.5) | R/W (Ø4.5) |
|---|---|---|---|---|
| |  |  |  |  |
| | DPSX3510* | DPSN3510* | DPSM3510* | DPSR4509* |
| COLOR | Red | Purple | Green | Metal |

- For ZENEX MULTI I-System (based on connection): Narrow, Mini, Regular & Wide
- For ZENEX PLUS I-System (based on connection): X-Narrow, Mini, Regular & Wide

## T-System

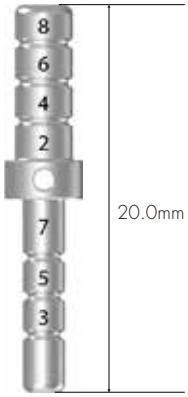
| | Mini (Ø3.5) | R/W (Ø4.5) |
|---|---|---|
| |  |  |
| | DPTM4010 | DPSR4509 |
| COLOR | Yellow | Metal |

## R-System

| | M/R/W (Ø4.0) |
|---|---|
| |  |
| | DPRR4009 |
| COLOR | Blue |

# Parallel Pin

- Used for confirmation of drilling depth and path
- Available to use after drilling with Ø2.2 Drill and Ø3.0 drill
- Composition in the kit: PP352230 (1 ea) + PP402230 (2 ea)




| D (mm) | Ø3.5 | Ø4.0 | Ø5.0 | Ø6.0 |
|---|---|---|---|---|
| | PP352230 | PP402230 | PP502230 | PP602230 |



# Fixture Driver

- For Contra Angle: Directly attached to fixture by connecting to handpiece when using Implant motor
- For Wrench: Directly attached to fixture by using Torque Wrench
- Two-staged coloring enables measurement up to 5mm height at 1mm intervals
- Be sure to use after accurate connection because once used with incorrectly connected driver, it is impossible to remove fixture.
- Be sure to use accurate fixture driver according to the system of fixture.

※ Fixture Driver for Narrow of ZENEX MULTI I-System: Same with Mini of ZENEX T-System (Optional)

※ Code not included in the FDCSX17S, FDRSX17S, All four drivers for Narrow of ZENEX MULTI I-System (FDCTM21S, FDCTM21L, FDRTM21S, FDRTM21L)

*Only use red marked components for I-System

## I-System

| | Contra Angle | | | Wrench | | |
|---|---|---|---|---|---|---|
| | X-Narrow | Narrow | M/R/W | X-Narrow | Narrow | M/R/W |
| **Short** | FDCSX17S* | FDCTM21S | FDCSR25S* | FDRSX17S* | FDRTM21S | FDRSR25S* |
| **Long** | FDCSX17L* | FDCTM21L* | FDCSR25L* | FDRSX17L* | FDRTM21L* | FDRSR25L* |
| COLOR | Red | Yellow | Green | Red | Yellow | Green |

- For ZENEX MULTI I-System (based on connection): Narrow, Mini, Regular & Wide
- For ZENEX PLUS I-System (based on connection): X-Narrow, Mini, Regular & Wide

# ZENEX SURGERY KIT Instruments

## T-System

| | Contra Angle | | Wrench | |
|---|---|---|---|---|
| |  |  |  |  |
| | Mini | R/W | Mini | R/W |
| **Short** | FDCTM21S | FDCTR25S | FDRTM21S | FDRTR25S |
| **Long** | FDCTM21L | FDCTR25L | FDRTM21L | FDRTR25L |
| COLOR | Yellow | Black | Yellow | Black |



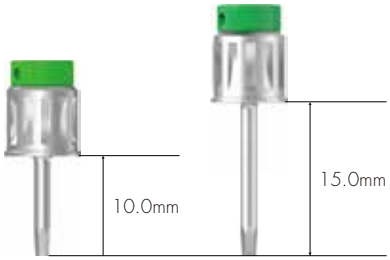
## R-System

| | Contra Angle | Wrench |
|---|---|---|
| |  |  |
| | M/R/W | M/R/W |
| **Short** | FDCRR23S | FDRRR23S |
| **Long** | FDCRR23L | FDRRR23L |
| COLOR | Blue | Blue |

# 1.2 Hex Driver

- Driver for connecting with Torque Wrench
- Used for connecting to cover screw and surgical instrument with 1.2 Hex
- Follow recommended tightening torque calculation value
- Be sure to check transformation of Hex tip before use

| L (mm) | 10.0 | 15.0 |
|---|---|---|
| | HEDR1210 | HEDR1215 |






# Torque Wrench

- Used for placing fixture and tightening implant abutments and screws
- Confirm torque calculation value by pulling the bar to be aligned with the marked line
- Recommended to use by pressing head to prevent detachment of Torque Wrench and surgical instruments


TW60B

# ZENEX SURGERY KIT Instruments

## Depth Gauge

- Measuring drilling depth
- Measurable depth: 6~20mm


DG1720



## Steel Bowl

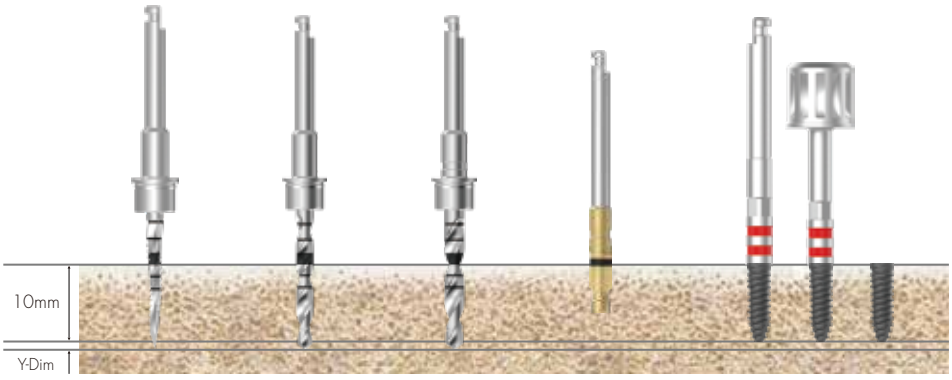
- Used for cleaning surgery instruments

STBOWL

# Drilling Sequence

## Ø 3.0mm Fixture

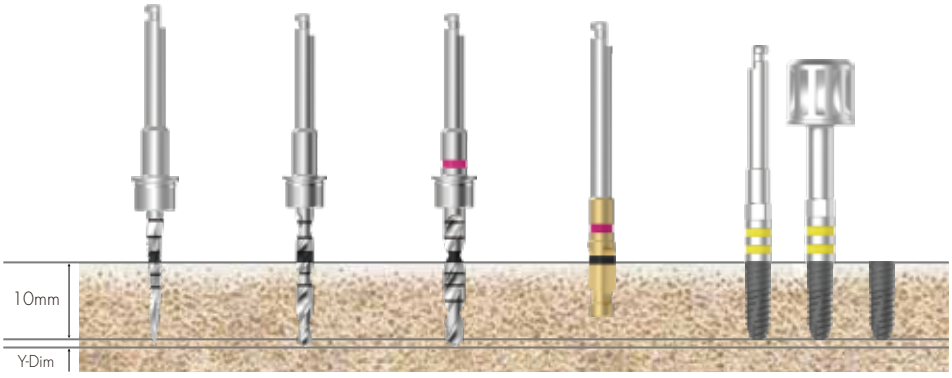
(ZENEX PLUS I-System X-Narrow)




| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø2.5) | Cortical Drill | Ø3.0 Fixture |
|---|---|---|---|---|---|
| Soft | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | |

## Ø 3.0mm Fixture

(ZENEX MULTI I-System Narrow)

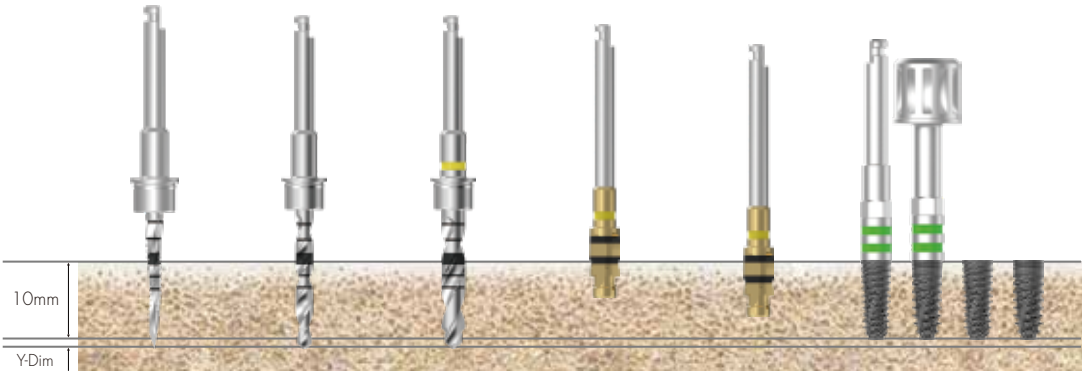



| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø2.7) | Cortical Drill | Ø3.0 Fixture |
|---|---|---|---|---|---|
| Soft | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | |

# Drilling Sequence

## Ø 3.5mm Fixture

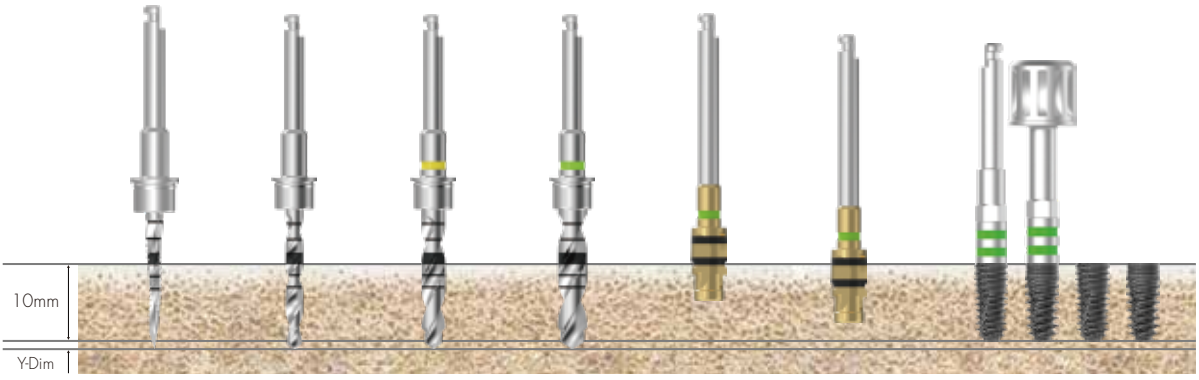
(ZENEX MULTI & PLUS I-System Mini)




| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø3.0) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø3.5 Fixture |
|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | | ▶ | |

## Ø 4.0mm Fixture

(ZENEX MULTI & PLUS I-System Regular)

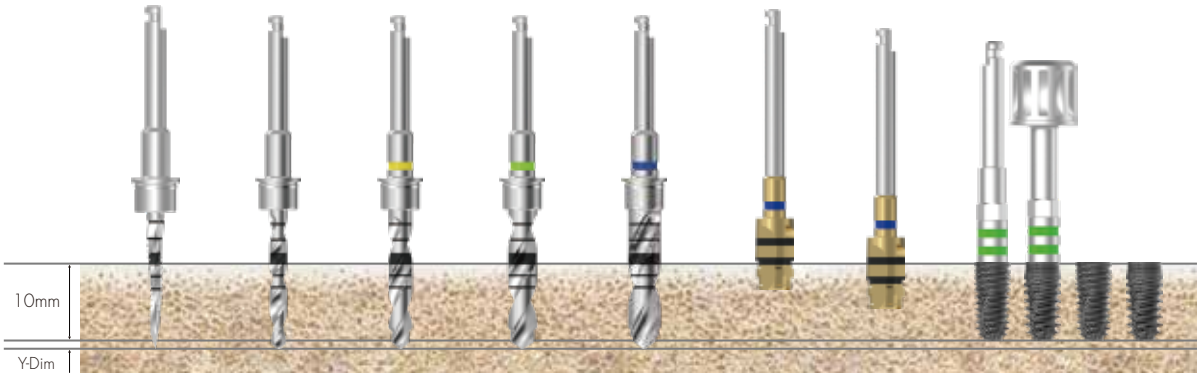



| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø3.0) | Twist Drill (Ø3.6) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø4.0 Fixture |
|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | | ▶ | |

# Drilling Sequence

## Ø 4.5mm Fixture

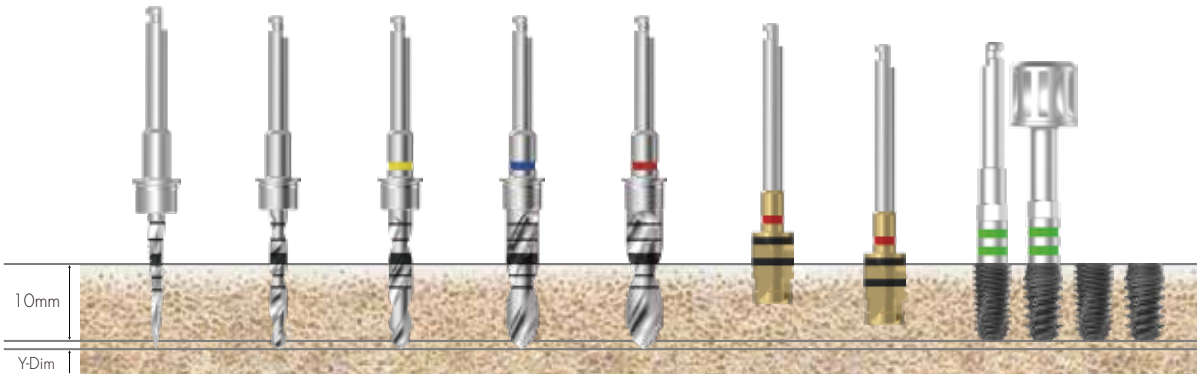
(ZENEX MULTI & PLUS I-System Regular)




| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø3.0) | Twist Drill (Ø3.6) | Twist Drill (Ø4.1) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø4.5 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

## Ø 5.0mm Fixture

(ZENEX MULTI & PLUS I-System Wide)

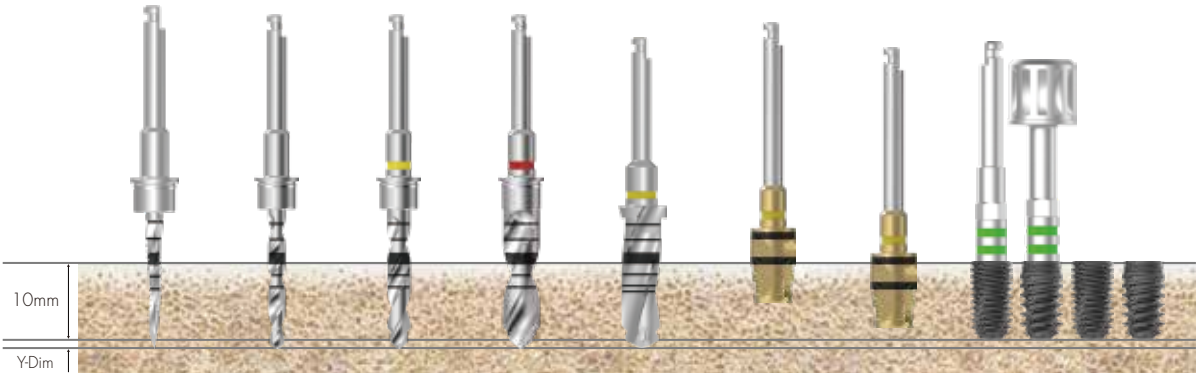



| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø3.0) | Twist Drill (Ø4.1) | Twist Drill (Ø4.6) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø5.0 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

# Drilling Sequence

## Ø 5.5mm Fixture

(ZENEX MULTI & PLUS I-System Wide)

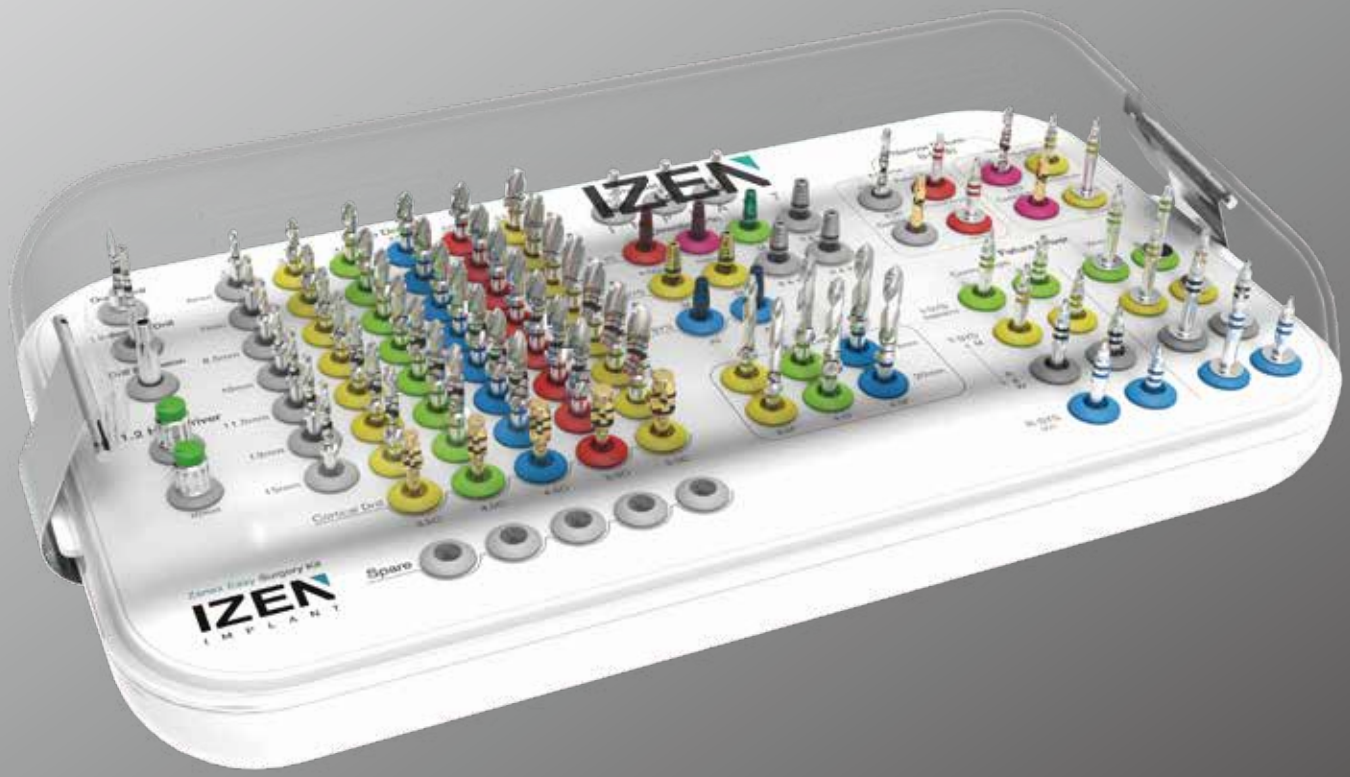



| Bone Quality | Guide Drill | Twist Drill (Ø2.2) | Twist Drill (Ø3.0) | Twist Drill (Ø4.6) | Step Drill (Ø5.2) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø5.5 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

IZEN
IMPLANT

# ZENEX EASY SURGERY KIT



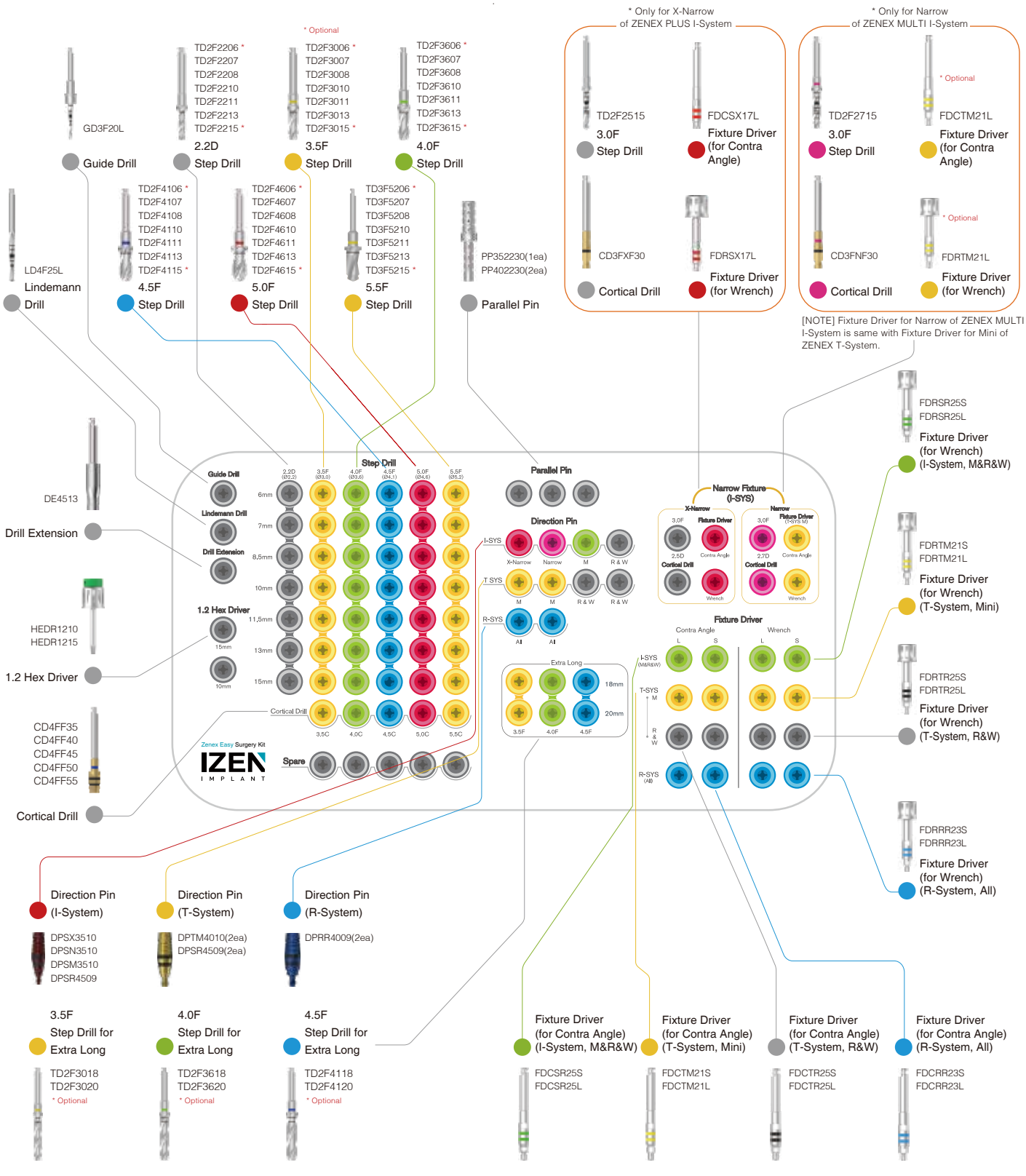


# ZENEX EASY SURGERY KIT



Composition on lower kit tray

Depth Gauge DG1720 | Torque Wrench TW60B | Steel Bowl STBOWL

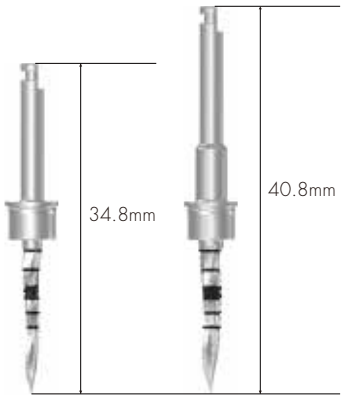


# ZENEX EASY SURGERY KIT Instruments

## Guide Drill

- Drill to mark base hole on the bone for easy initial drilling
- Available to control drilling depth by using with stopper
- Product Code in the Kit: GD3F20L

| D (mm) | Ø1.5 / Ø2.0 |
|---|---|
| Short | GD3F20S |
| Long | GD3F20L |

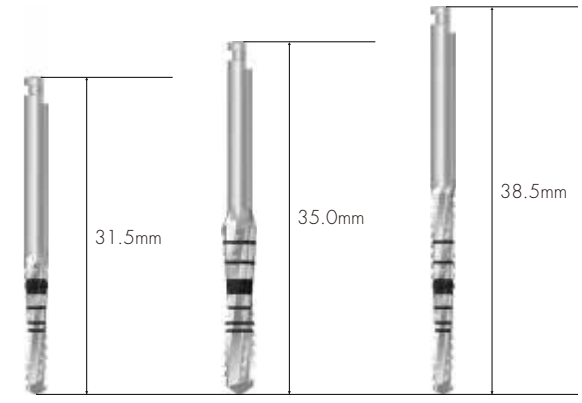



## Lindemann Drill

- Outward blades allow side cutting during drilling
- Available to use when removing ridge part of extraction socket
- Product Code in the Kit: LD4F25L

| D (mm) | Ø1.5 / Ø2.0 | Ø2.0 / Ø2.5 |
|---|---|---|
| Short | LD4F20S | LD4F25S |
| Long | LD4F20L | LD4F25L |

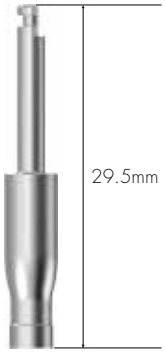
| D (mm) | Ø3.0 / Ø3.5 |
|---|---|
| Medium | LD4F35M |



# Drill Extension

- Lengthen surgical instrument in use by connecting to drill and Implant motor
- Be sure to use after accurate connection to prevent product detachment or bending that connected to Drill Extension

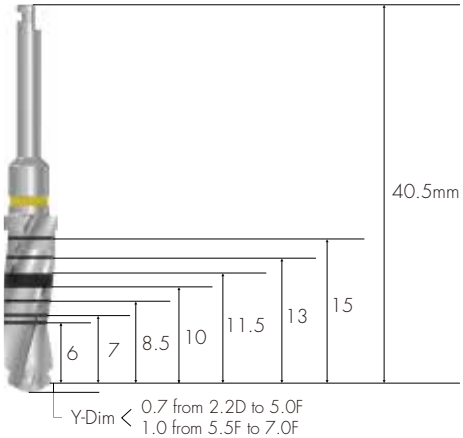
DE4513




# Step Drill

- Straight drill to shorten surgery steps
- As stopper is applied in the drill, secure to use although depth control may be difficult due to excellent cutting power
- Colored line on grip part of drill indicates diameter of drill and matching fixture size.

* Optional




- Two kinds of step drill for X-Narrow (ZENEX PLUS I-System) & Narrow (ZENEX MULTI I-System) are included in the Kit.

| L (mm) | X-Narrow 3.0F (Ø2.2 / Ø2.5) | Narrow 3.0F (Ø2.2 / Ø2.7) |
|---|---|---|
| 15.0 | TD2F2515 | TD2F2715 |

## Step Drill

* Optional

| L (mm) | 2.2D (Ø1.8 / Ø2.2) | 3.5F (Ø2.2 / Ø3.0) | 4.0F (Ø3.0 / Ø3.6) |
|---|---|---|---|
| 6.0 | TD2F2206 * | TD2F3006 * | TD2F3606 * |
| 7.0 | TD2F2207 | TD2F3007 | TD2F3607 |
| 8.5 | TD2F2208 | TD2F3008 | TD2F3608 |
| 10.0 | TD2F2210 | TD2F3010 | TD2F3610 |
| 11.5 | TD2F2211 | TD2F3011 | TD2F3611 |
| 13.0 | TD2F2213 | TD2F3013 | TD2F3613 |
| 15.0 | TD2F2215 * | TD2F3015 * | TD2F3615 * |
| 18.0 | - | TD2F3018 * | TD2F3618 * |
| 20.0 | - | TD2F3020 * | TD2F3620 * |

| L (mm) | 4.5F (Ø3.0 / Ø3.6 / Ø4.1) | 5.0F (Ø3.0 / Ø4.1 / Ø4.6) | 5.5F (Ø4.6 / Ø5.2) |
|---|---|---|---|
| 6.0 | TD2F4106 * | TD2F4606 * | TD3F5206 * |
| 7.0 | TD2F4107 | TD2F4607 | TD3F5207 |
| 8.5 | TD2F4108 | TD2F4608 | TD3F5208 |
| 10.0 | TD2F4110 | TD2F4610 | TD3F5210 |
| 11.5 | TD2F4111 | TD2F4611 | TD3F5211 |
| 13.0 | TD2F4113 | TD2F4613 | TD3F5213 |
| 15.0 | TD2F4115 * | TD2F4615 * | TD3F5215 * |
| 18.0 | TD2F4118 * | - | - |
| 20.0 | TD2F4120 * | - | - |

# Cortical Drill

- Drill used for removing cortical bone from hard bone
- Drill to the bottom of each marking line
- The lower marking line is for drilling on normal bone and the upper marking line is for drilling on hard bone


| | 3.0C (X-Narrow) | 3.0C (Narrow) | 3.5C | 4.0C | 4.5C | 5.0C | 5.5C |
|---|---|---|---|---|---|---|---|
| | CD3FXF30 | CD3FNF30 | CD4FF35 | CD4FF40 | CD4FF45 | CD4FF50 | CD4FF55 |
| COLOR | None | Purple | Yellow | Green | Blue | Red | Yellow |



# Direction Pin

- Confirm gingiva height and path after implant placement
- DPSR4509: Available to use in case of ZENEX I-System (Regular & Wide) and ZENEX T-System (Regular & Wide)

*Only use red marked components for I-System

## I-System

| | X-Narrow (Ø3.5) | Narrow (Ø3.5) | Mini (Ø3.5) | R/W (Ø4.5) |
|---|---|---|---|---|
| |  |  |  |  |
| | DPSX3510* | DPSN3510* | DPSM3510* | DPSR4509* |
| COLOR | Red | Purple | Green | Metal |

- For ZENEX MULTI I-System (based on connection): Narrow, Mini, Regular & Wide
- For ZENEX PLUS I-System (based on connection): X-Narrow, Mini, Regular & Wide

## T-System

| | Mini (Ø3.5) | R/W (Ø4.5) |
|---|---|---|
| |  |  |
| | DPTM4010 | DPSR4509 |
| COLOR | Yellow | Metal |

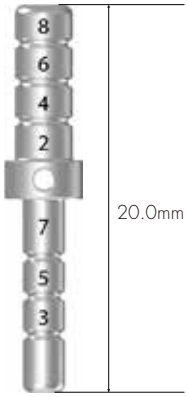
## R-System

| | M/R/W (Ø4.0) |
|---|---|
| |  |
| | DPRR4009 |
| COLOR | Blue |

# ZENEX EASY SURGERY KIT Instruments

## Parallel Pin

- Used for confirmation of drilling depth and path
- Available to use after drilling with Ø2.2 Drill and Ø3.0 drill
- Composition in the kit: PP352230 (1 ea) + PP402230 (2 ea)




| D (mm) | Ø3.5 | Ø4.0 | Ø5.0 | Ø6.0 |
|---|---|---|---|---|
| | PP352230 | PP402230 | PP502230 | PP602230 |



## Fixture Driver

- For Contra Angle: Directly attached to fixture by connecting to handpiece when using Implant motor
- For Wrench: Directly attached to fixture by using Torque Wrench
- Two-staged coloring enables measurement up to 5mm height at 1mm interval
- Be sure to use after accurate connection because once used with incorrectly connected driver, it is impossible to remove fixture.
- Be sure to use accurate fixture driver according to the system of fixture.

※ Fixture Driver for Narrow of ZENEX MULTI I-System: Same with Mini of ZENEX T-System (Optional)

※ Code not included in the FDCSX17S, FDRSX17S, All four drivers for Narrow of ZENEX MULTI I-System (FDCTM21S, FDCTM21L, FDRTM21S, FDRTM21L)

*Only use red marked components for I-System

### I-System

| | Contra Angle | | | Wrench | | |
|---|---|---|---|---|---|---|
| | X-Narrow | Narrow | M/R/W | X-Narrow | Narrow | M/R/W |
| Short | FDCSX17S* | FDCTM21S | FDCSR25S* | FDRSX17S* | FDRTM21S | FDRSR25S* |
| Long | FDCSX17L* | FDCTM21L* | FDCSR25L* | FDRSX17L* | FDRTM21L* | FDRSR25L* |
| COLOR | Red | Yellow | Green | Red | Yellow | Green |

- For ZENEX MULTI I-System (based on connection): Narrow, Mini, Regular & Wide
- For ZENEX PLUS I-System (based on connection): X-Narrow, Mini, Regular & Wide

## T-System

| | Contra Angle | | Wrench | |
|---|---|---|---|---|
| |  |  |  |  |
| | Mini | R/W | Mini | R/W |
| **Short** | FDCTM21S | FDCTR25S | FDRTM21S | FDRTR25S |
| **Long** | FDCTM21L | FDCTR25L | FDRTM21L | FDRTR25S |
| COLOR | Yellow | Black | Yellow | Black |

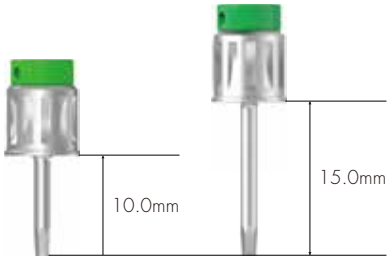
## R-System

| | Contra Angle | Wrench |
|---|---|---|
| |  |  |
| | M/R/W | M/R/W |
| **Short** | FDCRR23S | FDRRR23S |
| **Long** | FDCRR23L | FDRRR23L |
| COLOR | Blue | Blue |

## 1.2 Hex Driver

- Driver for connecting with Torque Wrench
- Used for connecting to cover screw and surgical instrument with 1.2 Hex
- Follow recommended tightening torque calculation value
- Be sure to check transformation of Hex tip before use

| L (mm) | 10.0 | 15.0 |
|---|---|---|
| | HEDR1210 | HEDR1215 |






## Torque Wrench

- Used for placing fixture and tightening implant abutments and screws
- Confirm torque calculation value by pulling the bar to be aligned with the marked line
- Recommended to use by pressing head to prevent detachment of Torque Wrench and surgical instruments


TW60B

# Depth Gauge

- Measuring drilling depth
- Measurable depth: 6~20mm


DG1720



# Steel Bowl

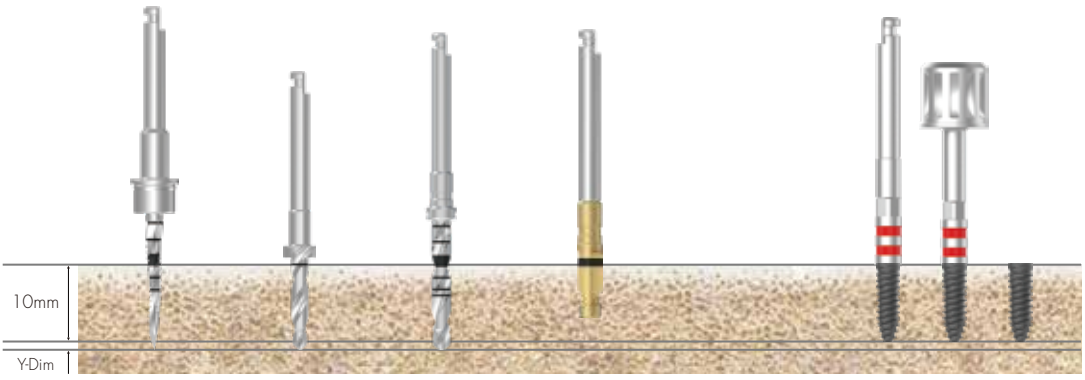
- Used for cleaning surgery instruments

STBOWL

# Drilling Sequence

## Ø 3.0mm Fixture

(ZENEX PLUS I-System X-Narrow)

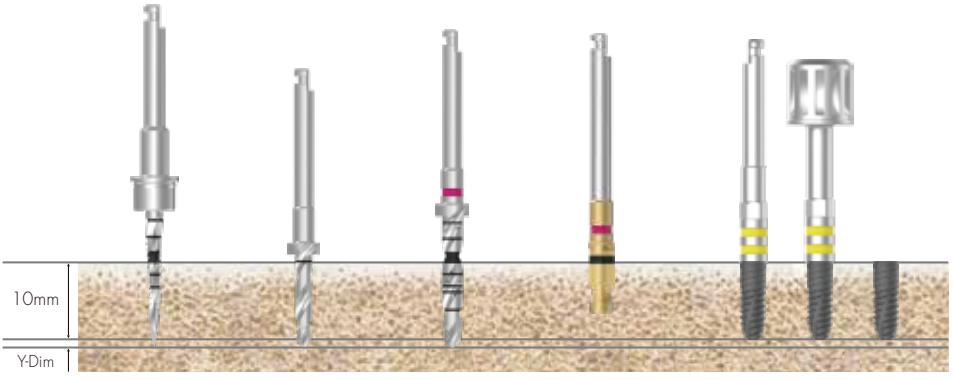



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø2.5) | Cortical Drill | Ø3.0 Fixture |
|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | | |
| Normal | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | |



## Ø 3.0mm Fixture

(ZENEX MULTI I-System Narrow)

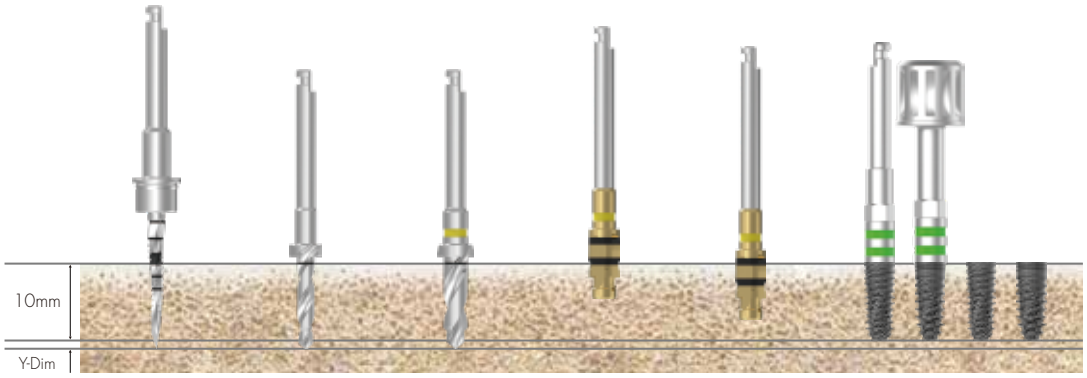



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø2.7) | Cortical Drill | Ø3.0 Fixture |
|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | | |
| Normal | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | |

# Drilling Sequence

## Ø 3.5mm Fixture

(ZENEX MULTI & PLUS I-System Mini)

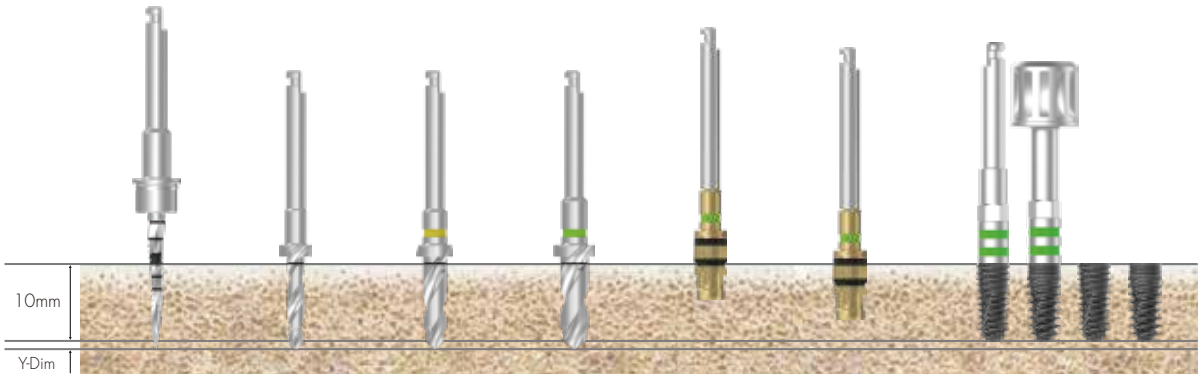



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø3.5 Fixture |
|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | | ▶ | |



## Ø 4.0mm Fixture

(ZENEX MULTI & PLUS I-System Regular)

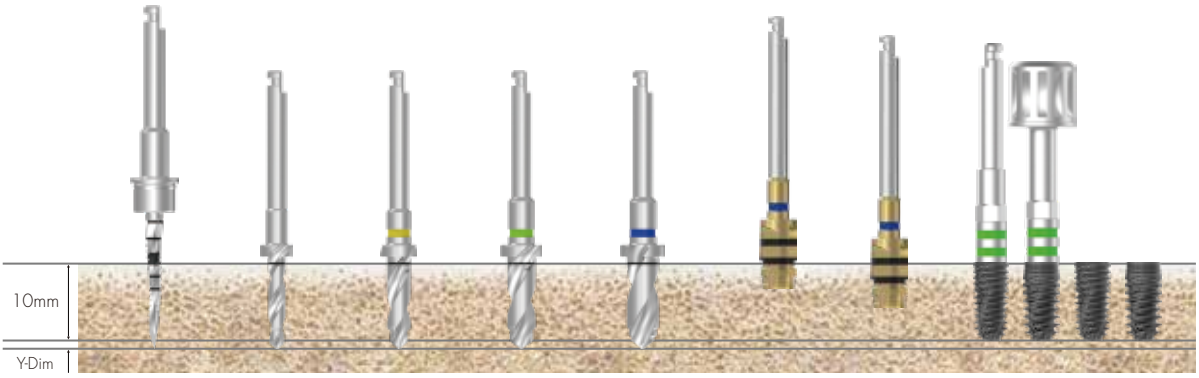



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø3.6) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø4.0 Fixture |
|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | | ▶ | |

# Drilling Sequence

## Ø 4.5mm Fixture

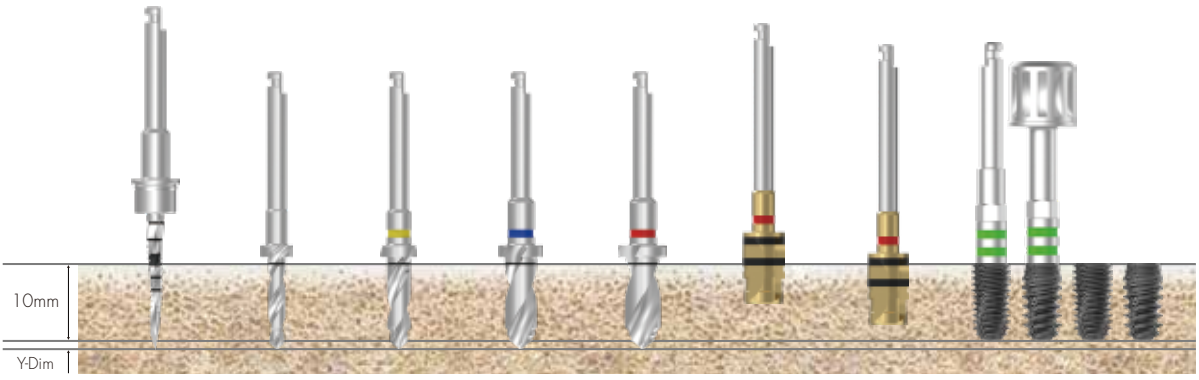
(ZENEX MULTI & PLUS I-System Regular)




| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø3.6) | Step Drill (Ø4.1) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø4.5 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

## Ø 5.0mm Fixture

(ZENEX MULTI & PLUS I-system Wide)

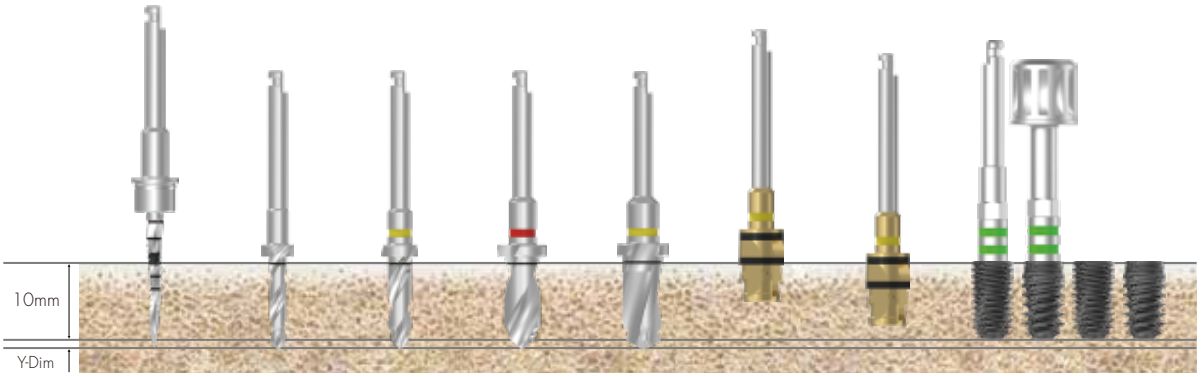



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø4.1) | Step Drill (Ø4.6) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø5.0 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

# Drilling Sequence

## Ø 5.5mm Fixture

(ZENEX MULTI & PLUS I-System Wide)

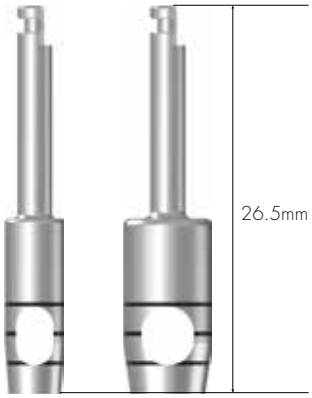



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø4.6) | Step Drill (Ø5.2) | Cortical Drill (Lower Line) | Cortical Drill (Upper Line) | Ø5.5 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ | |

# Other Surgical Instruments

## Tissue Punch

- Marked with a gap of 2mm each to measure gingiva height
- Surgical instrument for Flapless surgery

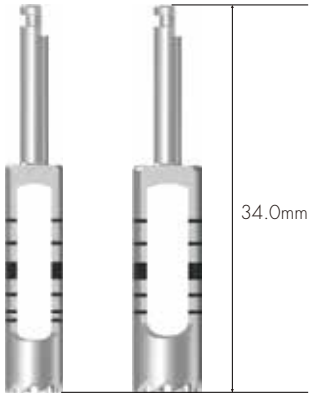



| D (mm) | Ø3.3 | Ø3.8 | Ø4.3 | Ø4.8 | Ø5.3 |
|---|---|---|---|---|---|
| | TP3308 | TP3808 | TP4308 | TP4808 | TP5308 |



## Trephine Drill

- Use for collecting autogenous bone or removing failed fixture
- In case of Superwide fixture placement, available to use as initial drill




| D (mm) | Ø3.7/4.5 | Ø4.2/5.0 | Ø4.7/5.5 | Ø5.2/6.0 | Ø5.7/6.5 | Ø6.2/7.0 |
|---|---|---|---|---|---|---|
| | TD3718 | TD4218 | TD4718 | TD5218 | TD5718 | TD6218 |

# Bone Profiler

- Use for removing marginal bone around fixture during the one-stage and two-stages surgery- Available to connect Healing Abutment by removing marginal bone after connecting Bone Profiler Guide Screw to the connection on Fixture
- Secure guided length of Bone Profiler Guide Screw to remove bone accurately for deeply placed fixture
- Bone Profiler Guide Screw is used for protecting fixture connection during use


## I-System

※ Only for I-System

| D (mm) | Ø4.1 (For Ø3.0 X-Narrow) | Ø4.1 (For Ø3.0 Narrow) |
|---|---|---|
| | SBP41SXS | SBP41SNS |

| D (mm) | Ø4.1 | Ø4.6 | Ø5.6 | Ø7.6 |
|---|---|---|---|---|
| | SBP41SS | SBP46SS | SBP56SS | SBP76SS |

## T-System

※ Only for T-System

| D (mm) | Ø4.1 | Ø4.6 | Ø5.6 | Ø7.6 |
|---|---|---|---|---|
| | SBP41TS | SBP46TS | SBP56TS | SBP76TS |

## R-System

※ Only for R-System

| D (mm) | Ø4.1 | Ø4.6 | Ø5.6 | Ø7.6 |
|---|---|---|---|---|
| | SBP41RS | SBP46RS | SBP56RS | SBP76RS |

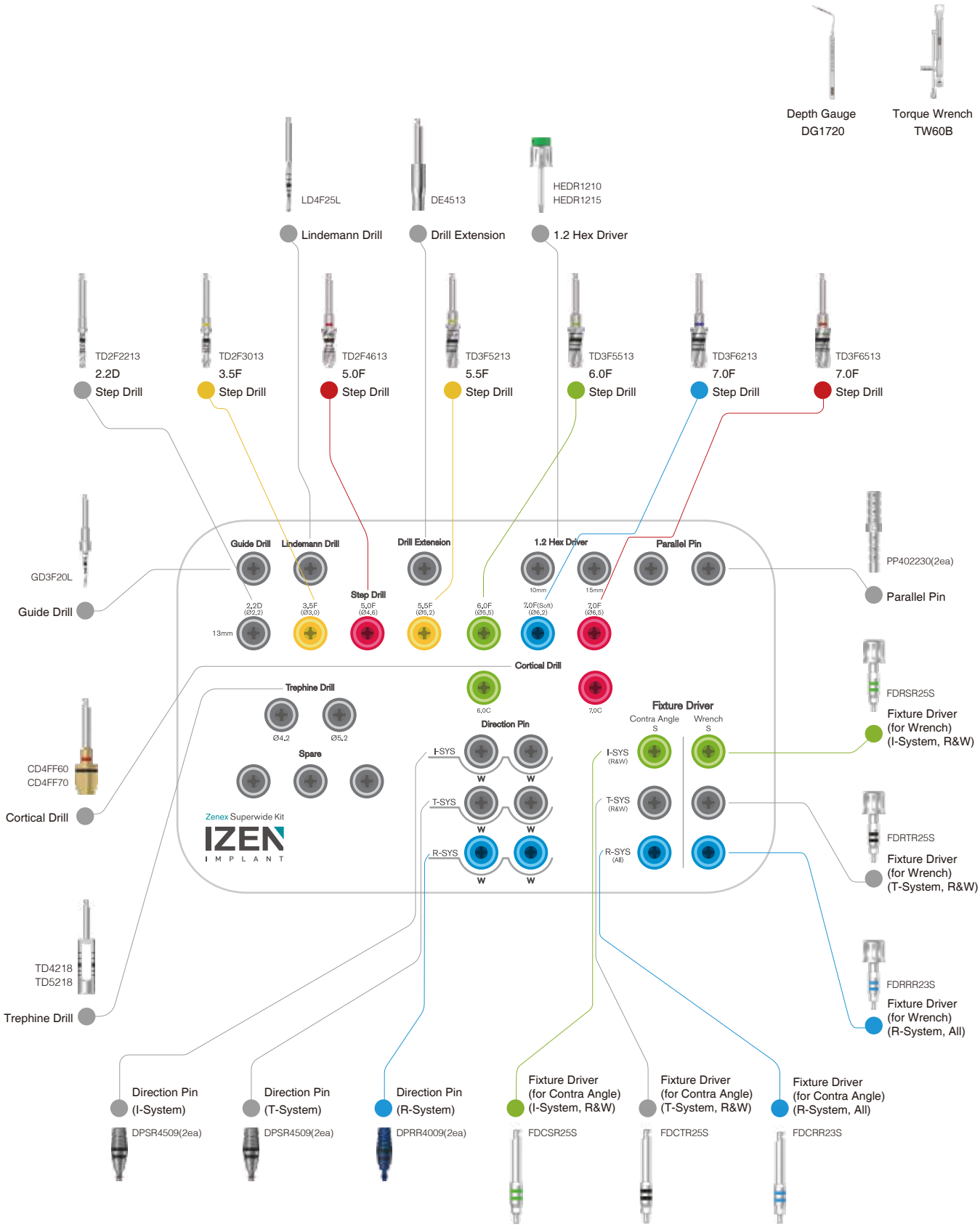
| | I-System | | | | T-System | R-System | |
|---|---|---|---|---|---|---|---|
| | X-Narrow | Narrow | Mini | Regular | Mini | Mini | Regular |
| Bone Profiler Guide Screw | SBPGSSX14 | SBPGSSN20 | SBPGSSM20 | SBPGSSR20 | SBPGSTM20 | SBPGSRM18 | SBPGSRR18 |

# ZENEX SUPERWIDE KIT

# ZENEX SUPERWIDE KIT



Composition on lower kit tray

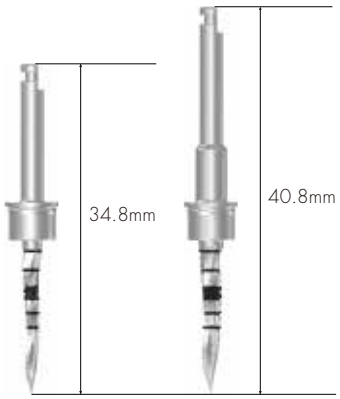


# ZENEX SUPERWIDE KIT Instruments

## Guide Drill

- Drill to mark base hole on the bone for easy initial drilling
- Available to control drilling depth by using with stopper
- Product Code in the Kit: GD3F20L

| D (mm) | Ø1.5 / Ø2.0 |
|---|---|
| **Short** | GD3F20S |
| **Long** | GD3F20L |

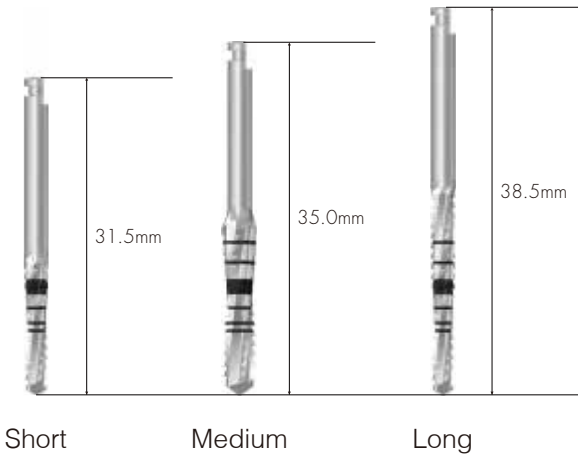



## Lindemann Drill

- Outward blades allow side cutting during drilling
- Available to use when removing ridge part of extraction socket
- Product Code in the Kit: LD4F25L

| D (mm) | Ø1.5 / Ø2.0 | Ø2.0 / Ø2.5 |
|---|---|---|
| **Short** | LD4F20S | LD4F25S |
| **Long** | LD4F20L | LD4F25L |

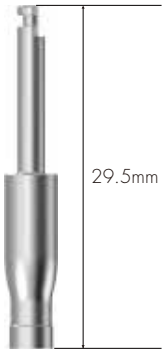
| D (mm) | Ø3.0 / Ø3.5 |
|---|---|
| **Medium** | LD4F35M |



# Drill Extension

- Lengthen surgical instrument in use by connecting to drill and Implant motor
- Be sure to use after accurate connection to prevent product detachment or bending that connected to Drill Extension

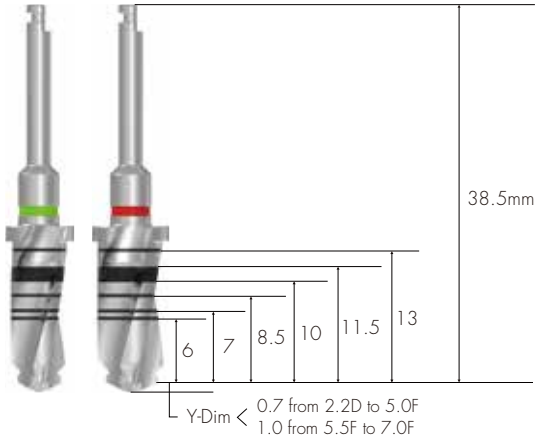
DE4513




# Step Drill

- Straight drill to shorten surgery steps
- As stopper is applied in the drill, secure to use although depth control may be difficult due to excellent cutting power
- Colored line on grip part of drill indicates diameter of drill and matching fixture size.
- The length of 13mm step drill is applied only in the kit.

※ TD3F6213: Only use for drilling on soft bone when Ø 7.0 fixture is placed.




| D (mm) | 2.2D (Ø1.8 / Ø2.2) | 3.5F (Ø2.2 / Ø3.0) | 5.0F (Ø3.0 / Ø4.1 / Ø4.6) |
|---|---|---|---|
| | TD2F2213 | TD2F3013 | TD2F4613 |

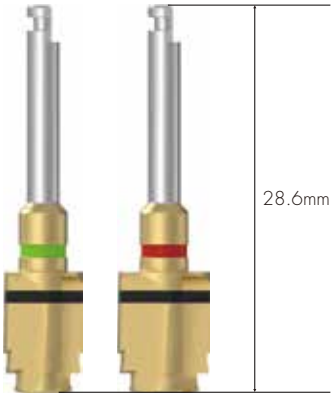
| D (mm) | 5.5F (Ø4.6 / Ø5.2) | 6.0F (Ø4.6 / Ø5.5) | 7.0F (Ø5.5 / Ø6.2) |
|---|---|---|---|
| | TD3F5213 | TD3F5513 | TD3F6213 |

| D (mm) | 7.0F (Ø5.5 / Ø6.5) |
|---|---|
| | TD3F6513 |

# ZENEX SUPERWIDE KIT Instruments

## Cortical Drill

- Drill used for removing cortical bone from hard bone
- Drill to the bottom of each marking line
- In case of Wide fixture (more than Ø6.0) placement, use only for hard bone case.




| | 6.0C | 7.0C |
|---|---|---|
| | CD4FF60 | CD4FF70 |
| COLOR | Green | Red |



## Direction Pin

- Confirm gingiva height and path after implant placement
- DPSR4509: Available to use in case of ZENEX I-System (Regular & Wide) and ZENEX T-System (Regular & Wide)
- 2 pins of each system are included in the kit, in accordance with fixture system.

The user may choose the product, matching with the system

| I-System | Ø4.5 |
|---|---|
| |  |
| | DPSR4509 |
| COLOR | Metal |

※Only for I-System

| T-System | Ø4.5 |
|---|---|
| |  |
| | DPSR4509 |
| COLOR | Metal |

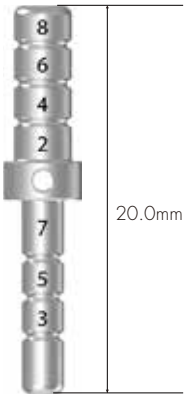
※Only for T-System

| R-System | Ø4.0 |
|---|---|
| |  |
| | DPRR4009 |
| COLOR | Blue |

※Only for R-System

# Parallel Pin

- Used for confirmation of drilling depth and path
- Available to use after drilling with Ø2.2 Drill and Ø3.0 drill
- Composition in the kit: PP402230 (2 ea)




| D (mm) | Ø3.5 | Ø4.0 | Ø5.0 | Ø6.0 |
|---|---|---|---|---|
| | PP352230 | PP402230 | PP502230 | PP602230 |



# Fixture Driver

- For Contra Angle: Directly attached to fixture by connecting to handpiece when using Implant motor
- For Wrench: Directly attached to fixture by using Torque Wrench
- Two-staged coloring enables measurement up to 5mm height at 1mm interval
- Be sure to use after accurate connection because once used with incorrectly connected driver, it is impossible to remove fixture
- Be sure to use accurate fixture driver according to the system of fixture.
- Short type of fixture driver is included only

## I-System

※ Only for I-System

| | Contra Angle | Wrench |
|---|---|---|
| |  |  |
| | M/R/W | M/R/W |
| **Short** | FDCSR25S | FDRSR25S |
| COLOR | Green | Green |

# ZENEX SUPERWIDE KIT Instruments

## T-System ※ Only for T-System

| | Contra Angle | Wrench |
|---|---|---|
| |  |  |
| | R/W | R/W |
| **Short** | FDCTR25S | FDRTR25S |
| COLOR | Black | Black |



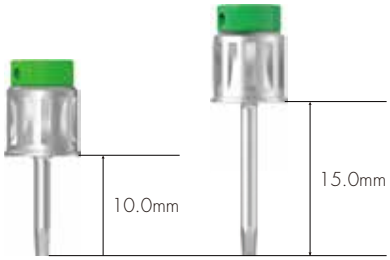
## R-System ※ Only for R-System

| | Contra Angle | Wrench |
|---|---|---|
| |  |  |
| | M/R/W | M/R/W |
| **Short** | FDCRR23S | FDRRR23S |
| COLOR | Blue | Blue |

# 1.2 Hex Driver

- Driver for connecting with Torque Wrench
- Used for connecting to cover screw and surgical instrument with 1.2 Hex
- Follow recommended tightening torque calculation value
- Be sure to check transformation of Hex tip before use

| L (mm) | 10.0 | 15.0 |
|---|---|---|
| | HEDR1210 | HEDR1215 |






# Torque Wrench

- Used for placing fixture and tightening implant abutments and screws
- Confirm torque calculation value by pulling the bar to be aligned with the marked line
- Recommended to use by pressing head to prevent detachment of Torque Wrench and surgical instruments


TW60B

# ZENEX SUPERWIDE KIT Instruments

## Depth Gauge

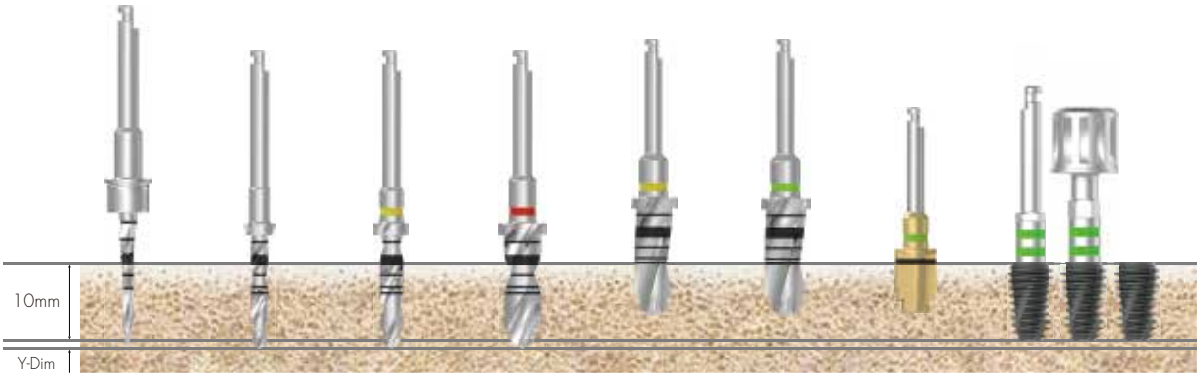
- Measuring drilling depth
- Measurable depth: 6~20mm


DG1720

# Drilling Sequence

## Ø 6.0mm Fixture

(ZENEX MULTI I-System Wide)

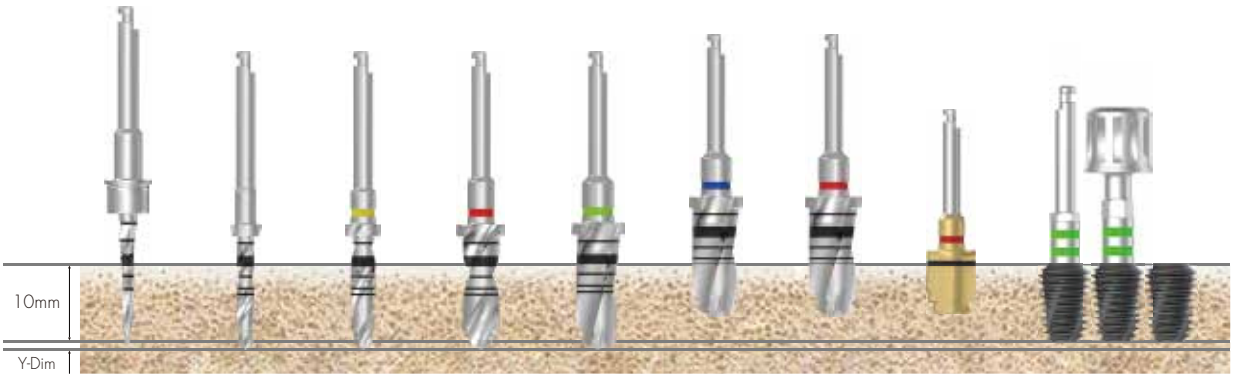



| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø4.6) | Step Drill (Ø5.2) | Step Drill (Ø5.5) | Cortical Drill | Ø6.0 Fixture |
|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ (6mm) | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | | ▶ (6mm) | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | | ▶ (6mm) | ▶ | |



## Ø 7.0mm Fixture

(ZENEX MULTI I-System Wide)




| Bone Quality | Guide Drill | Step Drill (Ø2.2) | Step Drill (Ø3.0) | Step Drill (Ø4.6) | Step Drill (Ø5.5) | Step Drill (Ø6.2) | Step Drill (Ø6.5) | Cortical Drill | Ø7.0 Fixture |
|---|---|---|---|---|---|---|---|---|---|
| Soft | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ (6mm) | | | |
| Normal | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ (6mm) | | Implant Placement |
| Hard | ▶ | ▶ | ▶ | ▶ | ▶ | | ▶ (6mm) | ▶ | |

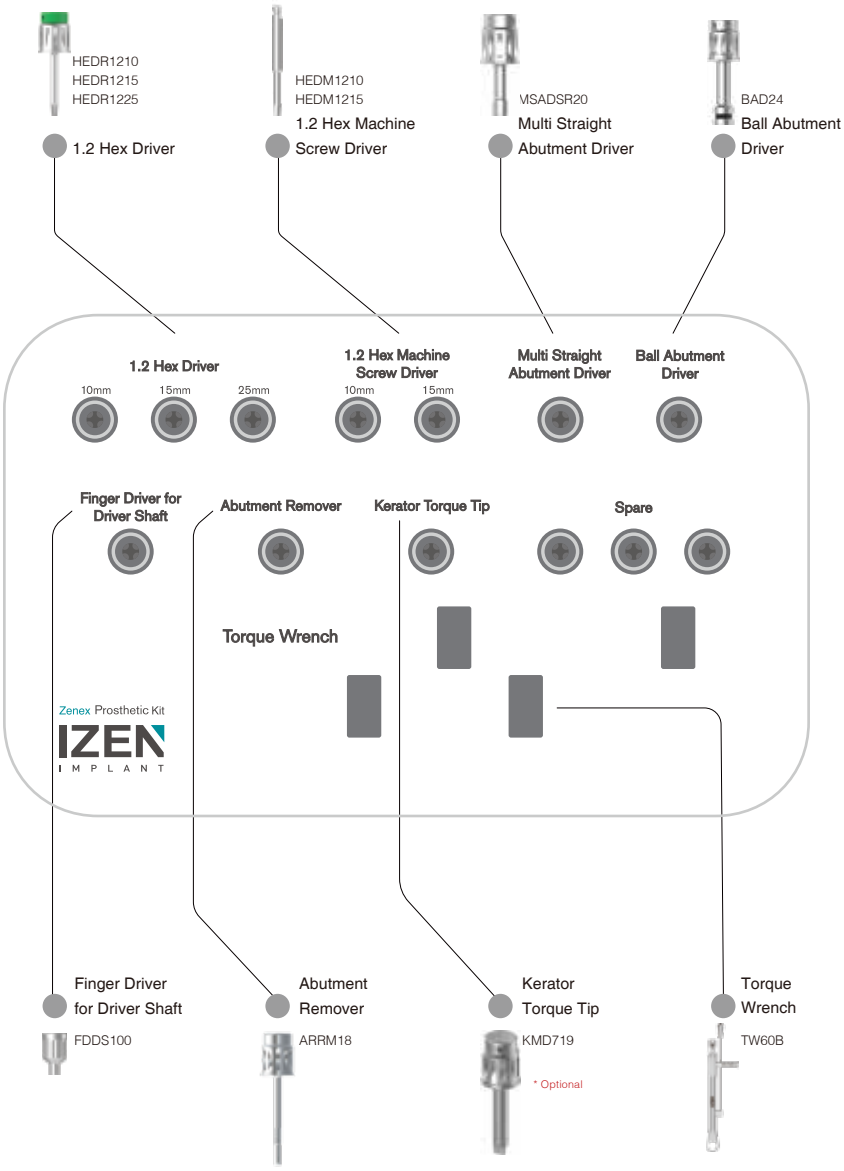
# ZENEX PROSTHETIC KIT

# ZENEX PROSTHETIC KIT

Composition on lower kit tray

* Optional

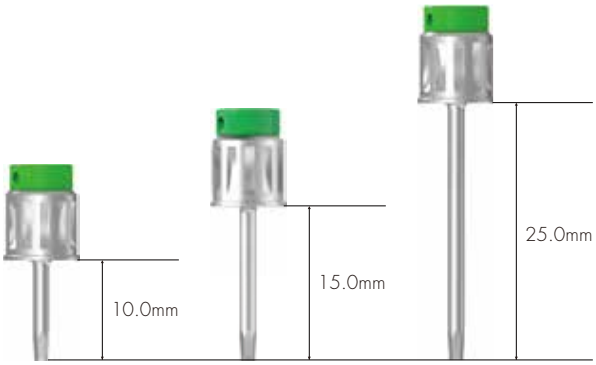
Kerator Magic Tool
KMT002



## 1.2 Hex Driver

- Driver for connecting with Torque Wrench
- Used for connecting to cover screw and surgical instrument with 1.2 Hex
- Follow recommended tightening torque calculation value
- Be sure to check transformation of Hex tip before use

| L (mm) | 10.0 | 15.0 | 25.0 |
|---|---|---|---|
| | HEDR1210 | HEDR1215 | HEDR1225 |

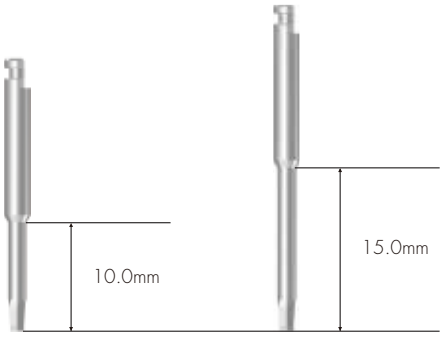





## 1.2 Hex Machine Screw Driver

- Driver for implant motor
- Implement holding instrument
- Available to use by hand when connected to Finger Driver for Driver Shaft

| L (mm) | 10.0 | 15.0 |
|---|---|---|
| | HEDM1210 | HEDM1215 |



# Abutment Remover

- Use for removing abutment when it is impossible to remove abutment by hands due to strong connection force.
- Remove Abutment by keep tightening the remover clockwise after removing abutment screw

※ R-System use only

ARRM18



# Finger Driver for Driver Shaft

- Available to rotate with hand by connecting to every surgery instrument for motor

FDDS100

## Ball Abutment Driver

- Torque driver for Ball Abutment

BAD24



## Multi Straight Abutment Driver

- Torque driver for Multi Straight Abutment

MSADSR20

# Torque Wrench

- Used for placing fixture and tightening implant abutments and screws
- Confirm torque calculation value by pulling the bar to be aligned with the marked line
- Recommended to use by pressing head to prevent detachment of Torque Wrench and surgical instruments


TW60B



# Kerator Magic Tool

- Use to connect and remove replacement male on denture cap
- As separated into two pieces, it is easy for maintenance (Optional)


KMT002

# Kerator Torque Tip

- Torque driver for Kerator Abutment (Optional)

Round Type

KMD719

IZEN
IMPLANT

**1. Description of Izenimplant System's product**

This product is a dental implant which is put into the alveolar bone in order to support, or maintain the prosthetic tooth or denture when a patient's teeth are partially or totally lost. To enhance the osseointegration with the alveolar bone, this titanium dental implant is treated with SLA surface.

**2. Indications for use**

The ZENEX MULTI implant and ZENEX PLUS implant are indicated for use in partially or fully edentulous mandibles and maxillae, in support of single or multiple unit restorations. It is intended for delayed loading. Products with diameter equal to or above 5mm and length below 7mm is intended to be used in the molar region.

**3. How to store**

Keep it in a dry place having no direct sunlight and room temperature (1~30℃)

**4. How to use**

4.1 Preliminary preparations

① For a successful dental implant treatment, careful evaluation should be made for each patient from the medical or dental perspective and clinical and radiologic analysis and model analysis are required.

② The internal package of the dental implant should be checked. The internal package of the dental implant is sterilized before delivered. So, if any seal is torn or opened, the product should not be used.

4.2 How to operate

【1st surgery】

① Make an incision in the soft tissue and drill it in a way that a fixture can be put into it. (Drilling : 1,200~1,500rpm, Cortical Drilling : 500~800rpm)

| | |
|---|---|
| Ø3.0 F | GD→Ø2.2D→Ø2.5D or 2.7D |
| Ø3.5 F | GD→Ø2.2D→Ø3.0D→CD |
| Ø4.0 F | GD→Ø2.2D→Ø3.0D→Ø3.6D→CD |
| Ø4.5 F | GD→Ø2.2D→Ø3.0D→Ø3.6D→Ø4.1D→CD |
| Ø5.0 F | GD→Ø2.2D→Ø3.0D→Ø4.1D→Ø4.6D→CD |
| Ø5.5 F | GD→Ø2.2D→Ø3.0D→Ø4.6D→Ø5.2SD→CD |
| Ø6.0 F | GD→Ø2.2SD→Ø3.0SD→Ø4.6SD→Ø5.2SD→Ø5.5SD |
| Ø7.0 F | GD→Ø2.2SD→Ø3.0SD→Ø4.6SD→Ø5.5SD→Ø6.2SD→Ø6.5SD |

GD: Guide Drill, D:Twist/Step Drill, SD:Step Drill, CD:Cortical Drill

*Remark : Drilling is omissible depending on extracted socket size, if bone density is hard, it is recommended to use Cortical Drill properly.

② Check out the type and size of Fixture specified in the package label and take out the double packaged ampoule.

③ Turn the ampoule cap by hand to open and find the Fixture which is fixed to the titanium bushing. Connect the Fixture Driver to the Handpiece or Ratchet.

④ Take the Fixture to the mouth and put it into the drilled hole while making sure that any metal or saliva does not contaminate it. While changing the torque value of the Handpiece from low value to high value, put the Fixture into the alveolar bone in 20rpm for full implantation (The recommended torque value for implantation : 30 ~ 45Ncm)

⑤ Use the Hex Driver to fix the Cover Screw or Healing Abutment to the Fixture with 5~8Ncm before making a suture in the surgery area.

【2nd surgery】

① Once the alveolar mucosa is healed and the osseointegration is made, make an incision in the upper soft tissue above the implanted area to expose the Cover Screw.

② Remover the Cover Screw and connect the Healing Abutment to the Fixture.

③ Suture the soft tissue around the Healing Abutment.

4.3 How to store and control after use

① As all products put into the mouth are intended for dispodable use, they are not allowed for reuse.

② Once opened, any product should be disposed of.

③ Any packing materials for the product used should be disposed of.

④ The surgical tool which is used should be immediately cleaned by using alcohol, cleaning agent or distilled water and then sterilized and dried before stored.

**5. Warning**

① The selection of an improper patient and a wrong surgery may lead to a failure of the treatment.

② As the product is a disposable one, it should not be reused.

③ Risks from reusing the disposable medical device

▶ The reuse has not been verified so it may cause an infection.

▶ The product's defective connection, jammed abutment, deformation or screw loosening may occur.

④ The manufacturer does not take any responsibility for the product which is re-sterilized by the user.

⑤ The Izen implant System has not been evaluated for safety and compatibility in the MR (magnetic resonance) environment. The Izen implant System has not been tested for heating or migration, or image artifact in the MR environment. The safety of fixture in the MR environment is unknown. Scanning a patient who has this device may result in patient injury.

**6. Prohibitions**

The treatment should not be done for the following patients.

① Patients having problems in coagulation or disability in the healing of bone or wound

② Patients having any uncontrolled diabetes, heavy smokers or alcoholics

③ Patients with decreased immune system due to the chemotherapy and radiotherapy.

④ Patients having oral infection or inflammation (or patients having improper oral hygiene or bruxism)

⑤ Patients having untreatable disorder in the occlusion or joint or having insufficient arch space

⑥ Other patients who are not suitable for treatment

⑦ Patients who are allergic or too sensitive to the raw material used for implant

⑧ Patients who are not cooperative in treatment

**7. Adverse reactions (side effects)**

① Bone loss, low primary stability, dental implant loss, inflammation or neural damage may occur, thus leading to a failure in the dental implant surgery.

② Local complications such as swelling, pain, phonetic difficulties, hematoma, hemorrhage, infection, inflammation, ulcer or opening of sutured area may occur.

③ Edema, separation of sutured area

④ Numbness from nerve damage after surgery is usually a temporary symptom, but some cases are permanent.

⑤ Permanent paresthesia, dysesthesia, loss of maxillary/mandibular ridge bone.

⑥ Oroantral or oronasal fistulae, unfavorably affected adjacent teeth, irreversible damage to adjacent teeth, fractures of implant, jaw, bone or prosthesis, aesthetic problems, exfoliation, hyperplasia.

## 8. General precautions

① Only a dentist who has received implant surgery training and practice should be allowed to use the product.
② The operator should fully understand how to use the product and other cautions before selecting the product which is proper for the treatment plan.
③ Patients who have excessive masticatory force may experience failed osseointegration, or loosening or breaking off of the dental implant.
So, make sure to perform the surgery with the sufficient number, thickness and length of dental implants.
④ Prior to the surgery, check out the surgery tool for abrasion.
⑤ Make sure to supply sufficient water during the surgery so that the bone does not suffer necrosis by the heat.
⑥ As the product is sterilized, make sure to check the product for any packing status, expiry date or damage.
⑦ As the product is sterilized, make sure to open it in a clean environment immediately prior to the surgery.
⑧ The selection and treatment of an improper patient may lead to a failure of the dental implant or bone loss around the implant area after the surgery.
⑨ If a patient has any bone disease (such as osteoporosis or osteomalacia) or bone metabolism disorder, consider this carefully prior to the treatment.
⑩ As an implant having a diameter of 4.25mm or below may get broken due to limited strength, its use is not recommended for the oral posterior area.
⑪ The use of an implant having a diameter of not less than 5mm and length below 7mm is limited to the posterior area and the dental implant shall be splinted with other prostheses.
⑫ The product having the diameter of 3.25mm or below shall be used only for the mandibular anterior region in order to avoid its fracture due to excessive load force.

**"Disposable, no reuse, medical device"**

※ For detailed information of each product, please refer to the catalog or our website.




Manufacturer


Date of manufacture


Use-by date

Do not use if package is damaged

Catalog Number

Batch Code

Do not re-use

Temperature limitation

Sterilized using irradiation

Non-Sterile

Caution, Consult accompanying documents

Consult instructions for use

Prescription Only

Authorized representative in Europe


Do not resterilize


Keep away from sunlight


**Manufacturer : Izenimplant Co., Ltd.**
1, 2Dong, 26-32, Suworam 4-gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, 17703, Republic of Korea
Tel.82-31-662-0657 Fax.82-31-662-0658

℞ only
PRESCRIPTION ONLY

For USA Only : Federal law restricts this device to sale by or on the order of a dentist