# SEWON MEDIX IMPLANT SYSTEM
## PRODUCT CATALOG

www.sewonmedix.com

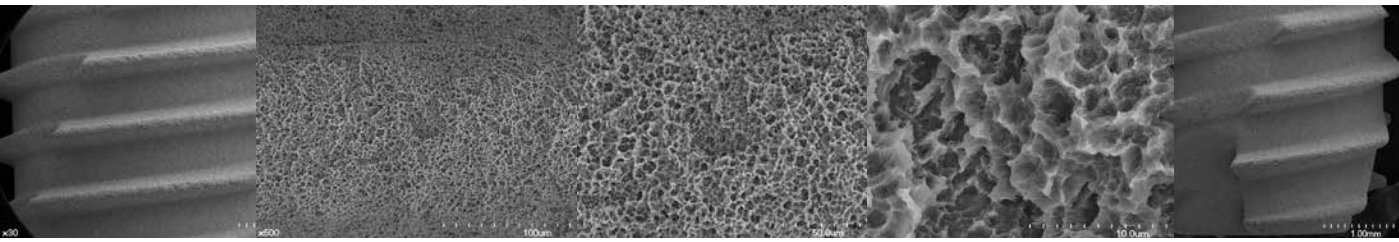
# IH SYSTEM
## PRODUCT CATALOG

# Contents

# SEWON MEDIX IMPLANT SYSTEM

DENTAL IMPLANT SYSTEM
SEWON MEDIX

# IH2 SLA Fixture



## Feature of IH2 SLA Fixture

· Internal hex & 11° morse taper connected,  submerged fixture

· SLA surface morphology and roughness increased by 45% compared to RBM treatment.

· SLA : Sandblasting with Large grits and Acid etching

  - Optimal surface roughness : Ra 2.5~3.0㎛

· Taper body offers high initial stability

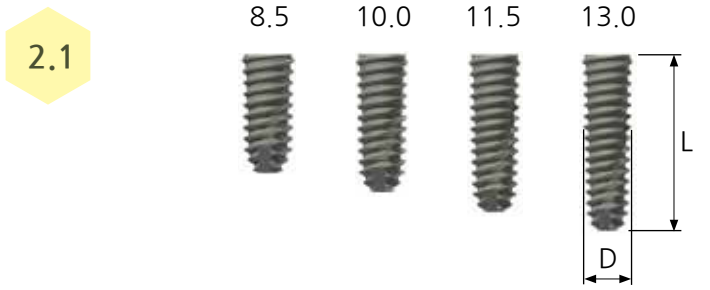
· Powerful Self threading

· Limited insertion torque : 40Ncm

We recommend that the fixture with over 4.5mm diameter is used for single case in molar.

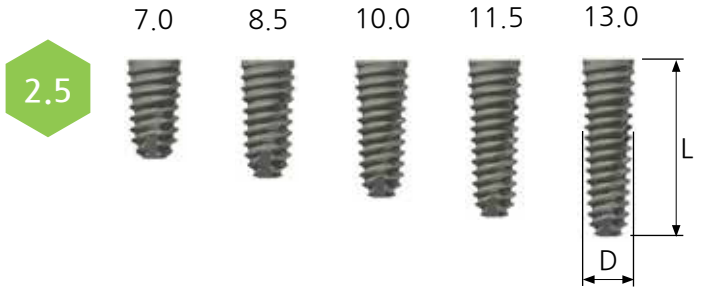
# IH2 SLA Fixture

## Mini Ø3.5



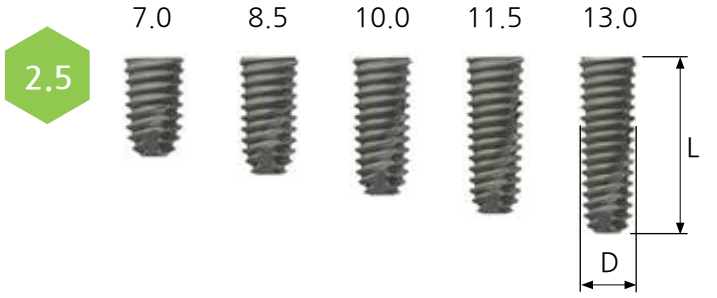

| L \ D | Mini Ø3.5 |
|---|---|
| 8.5 | IH2FM3508S |
| 10.0 | IH2FM3510S |
| 11.5 | IH2FM3511S |
| 13.0 | IH2FM3513S |

## Regular Ø3.5




| L \ D | Regular Ø3.5 |
|---|---|
| 7.0 | IH2FR3507S |
| 8.5 | IH2FR3508S |
| 10.0 | IH2FR3510S |
| 11.5 | IH2FR3511S |
| 13.0 | IH2FR3513S |

## Regular Ø4.0

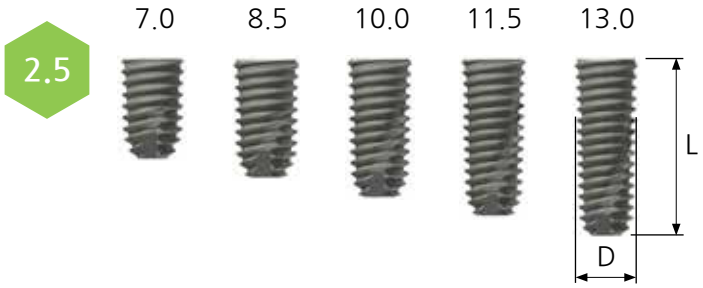



| L \ D | Regular Ø4.0 |
|---|---|
| 7.0 | IH2FR4007S |
| 8.5 | IH2FR4008S |
| 10.0 | IH2FR4010S |
| 11.5 | IH2FR4011S |
| 13.0 | IH2FR4013S |

- No-Mount fixture (Fixture + Cover screw) order code : **A**+Product code (ex : **A**IH2FR3510S)
  Pre-Mounted fixture (Fixture + Mount + Cover screw) order code : **B**+Product code (ex : **B**IH2FR3510S)

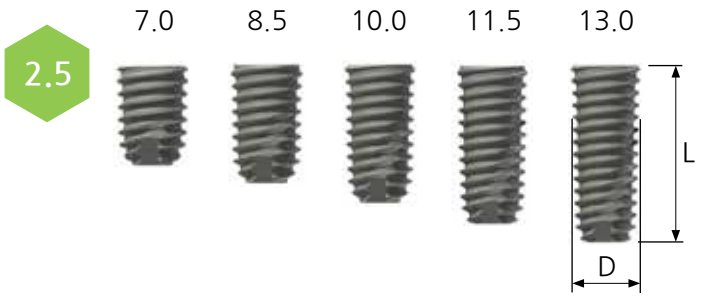
# IH2 SLA Fixture

## Regular Ø4.5



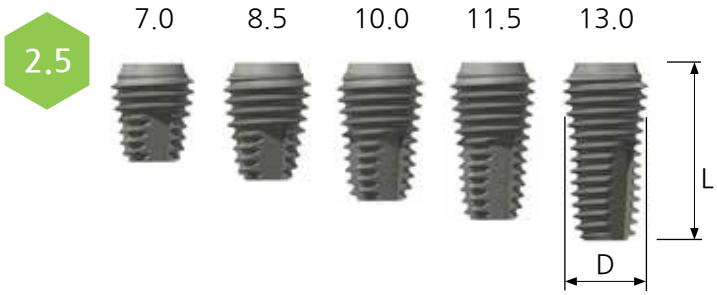

| L \ D | Regular Ø4.5 |
|---|---|
| 7.0 | IH2FR4507S |
| 8.5 | IH2FR4508S |
| 10.0 | IH2FR4510S |
| 11.5 | IH2FR4511S |
| 13.0 | IH2FR4513S |

## Regular Ø5.0




| L \ D | Regular Ø5.0 |
|---|---|
| 7.0 | IH2FR5007S |
| 8.5 | IH2FR5008S |
| 10.0 | IH2FR5010S |
| 11.5 | IH2FR5011S |
| 13.0 | IH2FR5013S |

## Regular Ø6.0




| L \ D | Regular Ø6.0 |
|---|---|
| 7.0 | IH2FR6007S |
| 8.5 | IH2FR6008S |
| 10.0 | IH2FR6010S |
| 11.5 | IH2FR6011S |
| 13.0 | IH2FR6013S |

- No-Mount fixture (Fixture + Cover screw) order code : **A**+Product code (ex : **A**IH2FR4510S)
  Pre-Mounted fixture (Fixture + Mount + Cover screw) order code : **B**+Product code (ex : **B**IH2FR4510S)

# Cover Screw

| Fixture | Mini(Ø3.5) | Regular(Ø3.5) | Regular(Ø4.0~5.0) |
|---|---|---|---|
| Color | Purple | Blue | Green |
| Code | IHCSM | IHCSR32 | IHCSR |

- Tightening torque : 5~8Ncm
- Use the hex driver

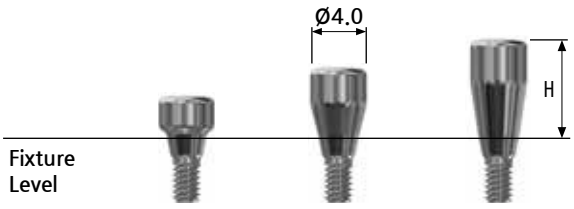
# Mount

| Fixture | Mini(Ø3.5) | Regular(Ø3.5) | Regular(Ø4.0~5.0) |
|---|---|---|---|
| Color | Yellow | Blue | Green |
| Code | IHFMM35 | IHFMR37 | IHFMR40 |

- Tightening torque : 8~10Ncm
- Use the hex driver
- Single-use

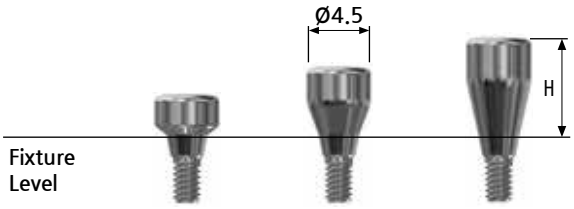
# Healing Abutment

## Mini Ø4.0



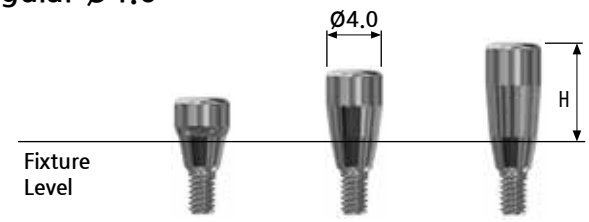

| H \ D | Mini Ø4.0 |
|---|---|
| 3.0 | IHHAM403 |
| 5.0 | IHHAM405 |
| 7.0 | IHHAM407 |

## Mini Ø4.5



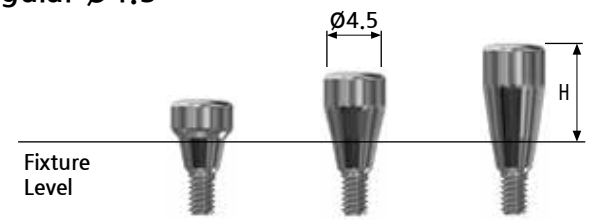

| H \ D | Mini Ø4.5 |
|---|---|
| 3.0 | IHHAM453 |
| 5.0 | IHHAM455 |
| 7.0 | IHHAM457 |

## Regular Ø4.0




| H \ D | Regular Ø4.0 |
|---|---|
| 3.0 | IHHAR403 |
| 5.0 | IHHAR405 |
| 7.0 | IHHAR407 |

## Regular Ø4.5

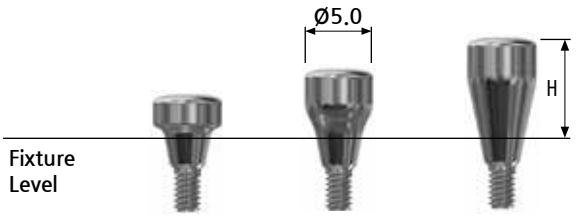



| H \ D | Regular Ø4.5 |
|---|---|
| 3.0 | IHHAR453 |
| 5.0 | IHHAR455 |
| 7.0 | IHHAR457 |

- Tightening torque : 5~8Ncm
- Use the hex driver

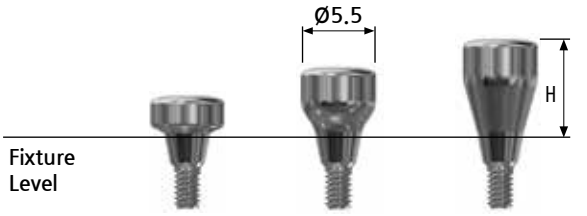
# Healing Abutment

## Regular Ø5.0



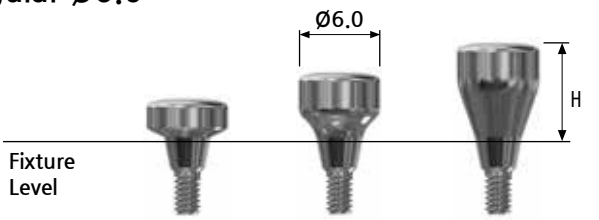

| H \ D | Regular Ø5.0 |
|---|---|
| 3.0 | IHHAR503 |
| 5.0 | IHHAR505 |
| 7.0 | IHHAR507 |

## Regular Ø5.5



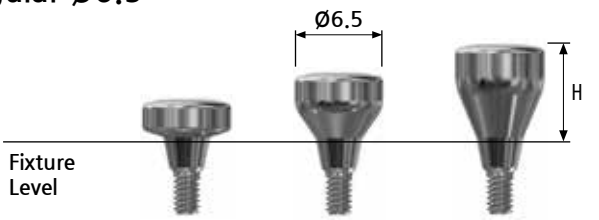

| H \ D | Regular Ø5.5 |
|---|---|
| 3.0 | IHHAR553 |
| 5.0 | IHHAR555 |
| 7.0 | IHHAR557 |

## Regular Ø6.0




| H \ D | Regular Ø6.0 |
|---|---|
| 3.0 | IHHAR603 |
| 5.0 | IHHAR605 |
| 7.0 | IHHAR607 |

## Regular Ø6.5




| H \ D | Regular Ø6.5 |
|---|---|
| 3.0 | IHHAR653 |
| 5.0 | IHHAR655 |
| 7.0 | IHHAR657 |

- Tightening torque : 5~8Ncm
- Use the hex driver

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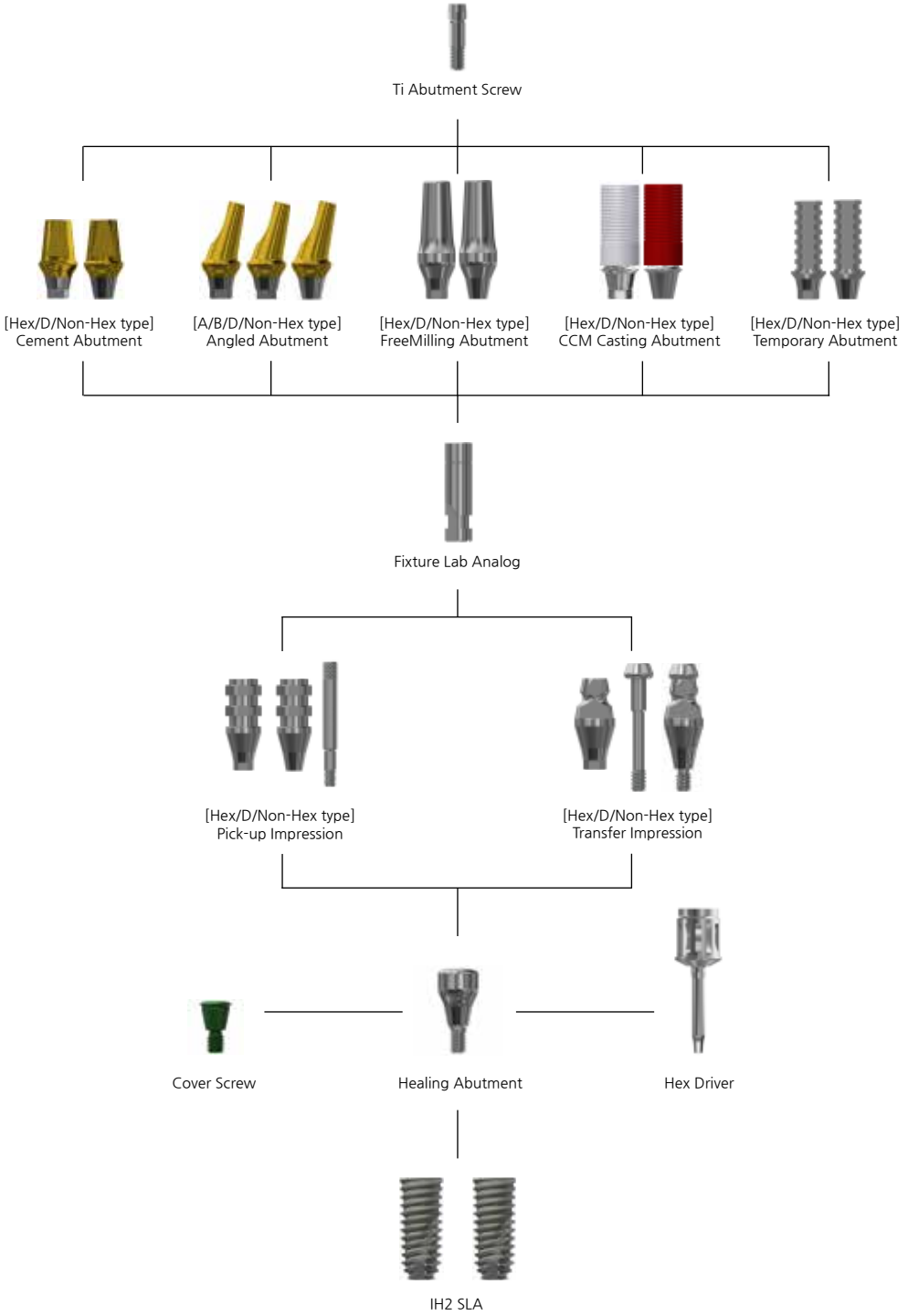
SEWON MEDIX

Prosthetic Flow Diagram 1

# Cement Retained Restoration

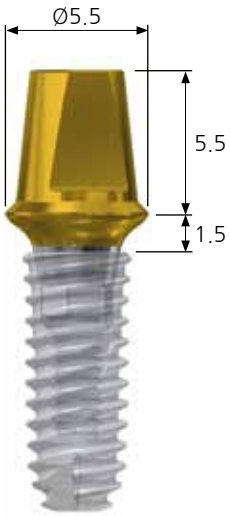
Cement / Angled / FreeMilling / Temporary



# Cement Abutment(HEX TYPE)

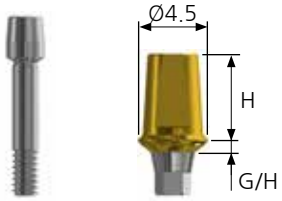


- Use for making general cement-type prosthesis
- 11°taper connection for excellent safety
- Cross-section design for the prevention of prosthesis rotation
- Packing unit : Abutment + Ti-screw




IHCARH5515M

## Mini Ø4.5



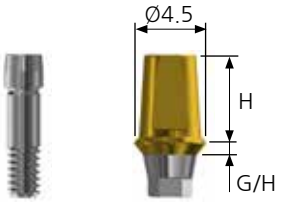

| Mini Ø4.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCAMH4510M | IHCAMH4510L |
| 1.5 | IHCAMH4515M | IHCAMH4515L |
| 2.0 | IHCAMH4520M | IHCAMH4520L |
| 2.5 | IHCAMH4525M | IHCAMH4525L |
| 3.0 | IHCAMH4530M | IHCAMH4530L |
| 3.5 | IHCAMH4535M | IHCAMH4535L |
| 4.0 | IHCAMH4540M | IHCAMH4540L |

• Ti-Screw code : IHASM

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCAMH4520MC)
• Tightening torque : 20Ncm • Use the hex driver

# Cement Abutment(HEX TYPE)

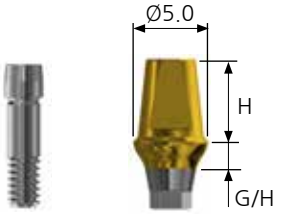
## Regular Ø4.5




| Regular Ø4.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH4510M | IHCARH4510L |
| 1.5 | IHCARH4515M | IHCARH4515L |
| 2.0 | IHCARH4520M | IHCARH4520L |
| 2.5 | IHCARH4525M | IHCARH4525L |
| 3.0 | IHCARH4530M | IHCARH4530L |
| 3.5 | IHCARH4535M | IHCARH4535L |
| 4.0 | IHCARH4540M | IHCARH4540L |

• Ti-Screw code : IHASR

## Regular Ø5.0



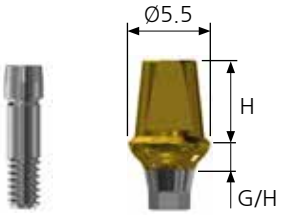

| Regular Ø5.0 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH5010M | IHCARH5010L |
| 1.5 | IHCARH5015M | IHCARH5015L |
| 2.0 | IHCARH5020M | IHCARH5020L |
| 2.5 | IHCARH5025M | IHCARH5025L |
| 3.0 | IHCARH5030M | IHCARH5030L |
| 3.5 | IHCARH5035M | IHCARH5035L |
| 4.0 | IHCARH5040M | IHCARH5040L |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH5020MC)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(HEX TYPE)

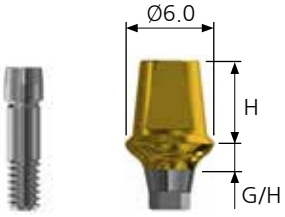
## Regular Ø5.5




| Regular Ø5.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH5510M | IHCARH5510L |
| 1.5 | IHCARH5515M | IHCARH5515L |
| 2.0 | IHCARH5520M | IHCARH5520L |
| 2.5 | IHCARH5525M | IHCARH5525L |
| 3.0 | IHCARH5530M | IHCARH5530L |
| 3.5 | IHCARH5535M | IHCARH5535L |
| 4.0 | IHCARH5540M | IHCARH5540L |

• Ti-Screw code : IHASR

## Regular Ø6.0



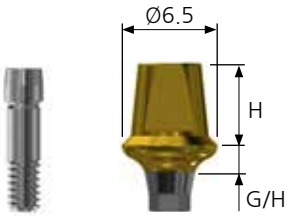

| Regular Ø6.0 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH6010M | IHCARH6010L |
| 1.5 | IHCARH6015M | IHCARH6015L |
| 2.0 | IHCARH6020M | IHCARH6020L |
| 2.5 | IHCARH6025M | IHCARH6025L |
| 3.0 | IHCARH6030M | IHCARH6030L |
| 3.5 | IHCARH6035M | IHCARH6035L |
| 4.0 | IHCARH6040M | IHCARH6040L |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH5520MC)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(HEX TYPE)

## Regular Ø6.5




| Regular Ø6.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH6510M | IHCARH6510L |
| 1.5 | IHCARH6515M | IHCARH6515L |
| 2.0 | IHCARH6520M | IHCARH6520L |
| 2.5 | IHCARH6525M | IHCARH6525L |
| 3.0 | IHCARH6530M | IHCARH6530L |
| 3.5 | IHCARH6535M | IHCARH6535L |
| 4.0 | IHCARH6540M | IHCARH6540L |

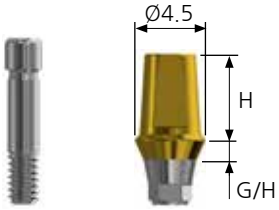
- Ti-Screw code : IHASR

- Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH6520MC)
- Tightening torque : 30Ncm
- Use the hex driver

# Cement Abutment(HEX D-TYPE)



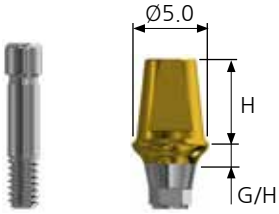
## Regular Ø4.5




| Regular Ø4.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH4510MD | IHCARH4510LD |
| 1.5 | IHCARH4515MD | IHCARH4515LD |
| 2.0 | IHCARH4520MD | IHCARH4520LD |
| 2.5 | IHCARH4525MD | IHCARH4525LD |
| 3.0 | IHCARH4530MD | IHCARH4530LD |
| 3.5 | IHCARH4535MD | IHCARH4535LD |
| 4.0 | IHCARH4540MD | IHCARH4540LD |

• Ti-Screw code : IHASD128

## Regular Ø5.0




| Regular Ø5.0 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH5010MD | IHCARH5010LD |
| 1.5 | IHCARH5015MD | IHCARH5015LD |
| 2.0 | IHCARH5020MD | IHCARH5020LD |
| 2.5 | IHCARH5025MD | IHCARH5025LD |
| 3.0 | IHCARH5030MD | IHCARH5030LD |
| 3.5 | IHCARH5035MD | IHCARH5035LD |
| 4.0 | IHCARH5040MD | IHCARH5040LD |

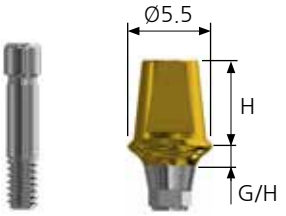
• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH5020MD)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(HEX D-TYPE)



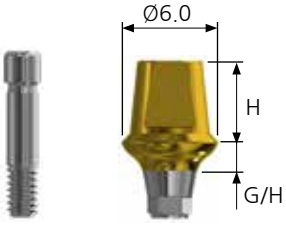
## Regular Ø5.5




| Regular Ø5.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH5510MD | IHCARH5510LD |
| 1.5 | IHCARH5515MD | IHCARH5515LD |
| 2.0 | IHCARH5520MD | IHCARH5520LD |
| 2.5 | IHCARH5525MD | IHCARH5525LD |
| 3.0 | IHCARH5530MD | IHCARH5530LD |
| 3.5 | IHCARH5535MD | IHCARH5535LD |
| 4.0 | IHCARH5540MD | IHCARH5540LD |

• Ti-Screw code : IHASD128

## Regular Ø6.0



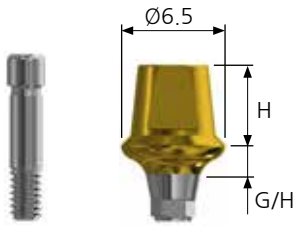

| Regular Ø6.0 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARH6010MD | IHCARH6010LD |
| 1.5 | IHCARH6015MD | IHCARH6015LD |
| 2.0 | IHCARH6020MD | IHCARH6020LD |
| 2.5 | IHCARH6025MD | IHCARH6025LD |
| 3.0 | IHCARH6030MD | IHCARH6030LD |
| 3.5 | IHCARH6035MD | IHCARH6035LD |
| 4.0 | IHCARH6040MD | IHCARH6040LD |

• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH5520MD)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(HEX D-TYPE)

## Regular Ø6.5




| Regular Ø6.5 | | |
|---|---|---|
| H / G/H | 5.5 | 7.0 |
| 1.0 | IHCARH6510MD | IHCARH6510LD |
| 1.5 | IHCARH6515MD | IHCARH6515LD |
| 2.0 | IHCARH6520MD | IHCARH6520LD |
| 2.5 | IHCARH6525MD | IHCARH6525LD |
| 3.0 | IHCARH6530MD | IHCARH6530LD |
| 3.5 | IHCARH6535MD | IHCARH6535LD |
| 4.0 | IHCARH6540MD | IHCARH6540LD |

• Ti-Screw code : IHASD128

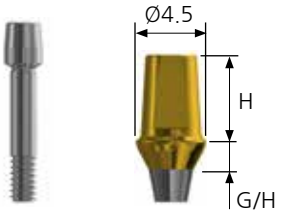


• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARH6520MD)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(NON-HEX TYPE)



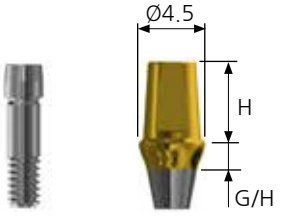
## Mini Ø4.5




| Mini Ø4.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCAMN4510M | IHCAMN4510L |
| 1.5 | IHCAMN4515M | IHCAMN4515L |
| 2.0 | IHCAMN4520M | IHCAMN4520L |
| 2.5 | IHCAMN4525M | IHCAMN4525L |
| 3.0 | IHCAMN4530M | IHCAMN4530L |
| 3.5 | IHCAMN4535M | IHCAMN4535L |
| 4.0 | IHCAMN4540M | IHCAMN4540L |

• Ti-Screw code : IHASM

## Regular Ø4.5




| Regular Ø4.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARN4510M | IHCARN4510L |
| 1.5 | IHCARN4515M | IHCARN4515L |
| 2.0 | IHCARN4520M | IHCARN4520L |
| 2.5 | IHCARN4525M | IHCARN4525L |
| 3.0 | IHCARN4530M | IHCARN4530L |
| 3.5 | IHCARN4535M | IHCARN4535L |
| 4.0 | IHCARN4540M | IHCARN4540L |

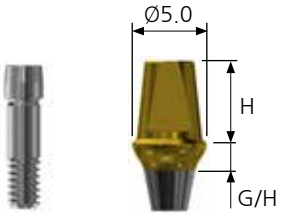
• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARN4520MC)
• Tightening torque : Mini-20Ncm, Regular-30Ncm • Use the hex driver

# Cement Abutment(NON-HEX TYPE)



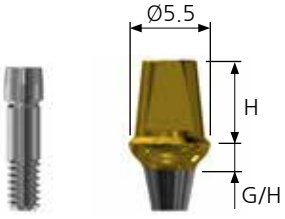
## Regular Ø5.0




| Regular Ø5.0 | | |
|---|---|---|
| H / G/H | 5.5 | 7.0 |
| 1.0 | IHCARN5010M | IHCARN5010L |
| 1.5 | IHCARN5015M | IHCARN5015L |
| 2.0 | IHCARN5020M | IHCARN5020L |
| 2.5 | IHCARN5025M | IHCARN5025L |
| 3.0 | IHCARN5030M | IHCARN5030L |
| 3.5 | IHCARN5035M | IHCARN5035L |
| 4.0 | IHCARN5040M | IHCARN5040L |

• Ti-Screw code : IHASR

## Regular Ø5.5



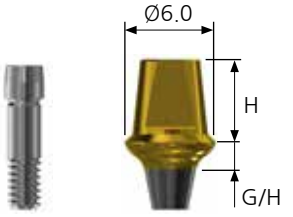

| Regular Ø5.5 | | |
|---|---|---|
| H / G/H | 5.5 | 7.0 |
| 1.0 | IHCARN5510M | IHCARN5510L |
| 1.5 | IHCARN5515M | IHCARN5515L |
| 2.0 | IHCARN5520M | IHCARN5520L |
| 2.5 | IHCARN5525M | IHCARN5525L |
| 3.0 | IHCARN5530M | IHCARN5530L |
| 3.5 | IHCARN5535M | IHCARN5535L |
| 4.0 | IHCARN5540M | IHCARN5540L |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARN5520MC)
• Tightening torque : 30Ncm • Use the hex driver

# Cement Abutment(NON-HEX TYPE)

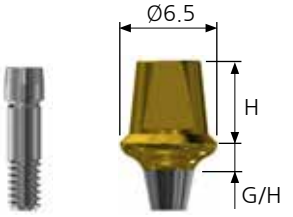
## Regular Ø6.0




| Regular Ø6.0 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARN6010M | IHCARN6010L |
| 1.5 | IHCARN6015M | IHCARN6015L |
| 2.0 | IHCARN6020M | IHCARN6020L |
| 2.5 | IHCARN6025M | IHCARN6025L |
| 3.0 | IHCARN6030M | IHCARN6030L |
| 3.5 | IHCARN6035M | IHCARN6035L |
| 4.0 | IHCARN6040M | IHCARN6040L |

• Ti-Screw code : IHASR

## Regular Ø6.5




| Regular Ø6.5 | | |
|---|---|---|
| G/H \ H | 5.5 | 7.0 |
| 1.0 | IHCARN6510M | IHCARN6510L |
| 1.5 | IHCARN6515M | IHCARN6515L |
| 2.0 | IHCARN6520M | IHCARN6520L |
| 2.5 | IHCARN6525M | IHCARN6525L |
| 3.0 | IHCARN6530M | IHCARN6530L |
| 3.5 | IHCARN6535M | IHCARN6535L |
| 4.0 | IHCARN6540M | IHCARN6540L |

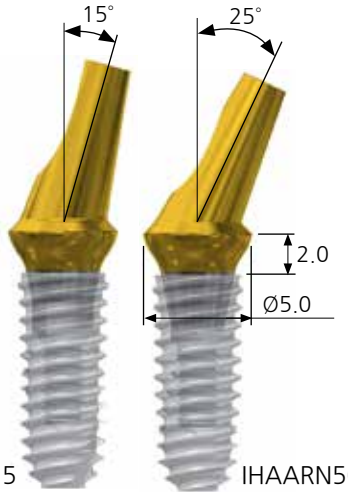
• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHCARN6520MC)
• Tightening torque : 30Ncm • Use the hex driver

# **Angled Abutment**(HEX TYPE)

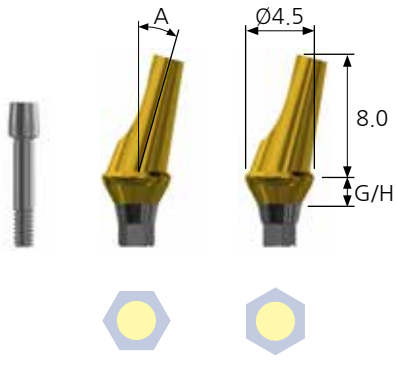


- Used for the path adjustment of prosthesis
- 11°taper connection for excellent safety
- Functions as a double hex type(A and B hex types)
- Packing unit : Abutment + Ti-screw




IHAARA502015 IHAARN502025

## Mini Ø4.5




A-Type B-Type

| Mini Ø4.5 | | | |
|---|---|---|---|
| Type | A / G/H | 15° | 25° |
| A | 2.0 | IHAAMA452015 | IHAAMA452025 |
| | 3.0 | IHAAMA453015 | IHAAMA453025 |
| | 4.0 | IHAAMA454015 | IHAAMA454025 |
| B | 2.0 | IHAAMB452015 | IHAAMB452025 |
| | 3.0 | IHAAMB453015 | IHAAMB453025 |
| | 4.0 | IHAAMB454015 | IHAAMB454025 |

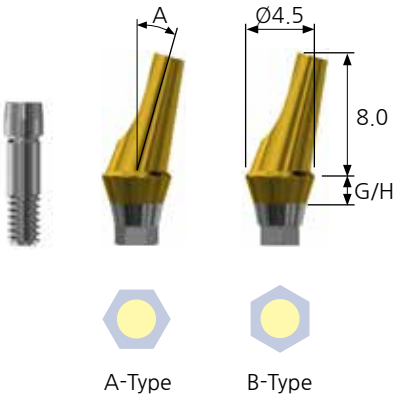
• Ti-Screw code : IHASM

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAAMA452015C)
• Tightening torque : 20Ncm • Use the hex driver

# Angled Abutment(HEX TYPE)



## Regular Ø4.5

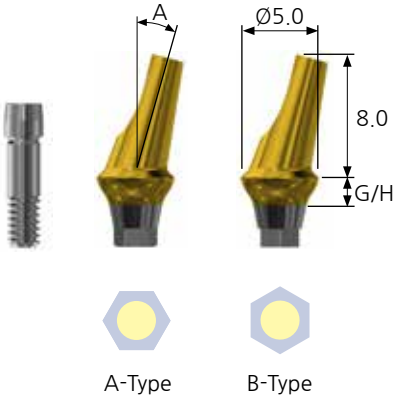



A-Type B-Type

| Regular Ø4.5 | | | |
|---|---|---|---|
| Type | A / G/H | 15° | 25° |
| A | 2.0 | IHAARA452015 | IHAARA452025 |
| | 3.0 | IHAARA453015 | IHAARA453025 |
| | 4.0 | IHAARA454015 | IHAARA454025 |
| B | 2.0 | IHAARB452015 | IHAARB452025 |
| | 3.0 | IHAARB453015 | IHAARB453025 |
| | 4.0 | IHAARB454015 | IHAARB454025 |

• Ti-Screw code : IHASR

## Regular Ø5.0




A-Type B-Type

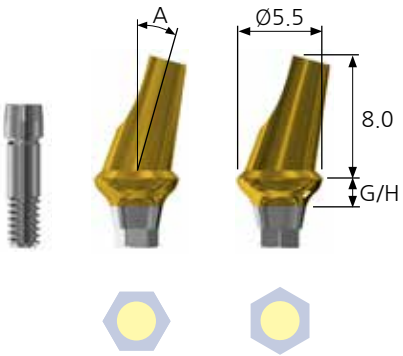
| Regular Ø5.0 | | | |
|---|---|---|---|
| Type | A / G/H | 15° | 25° |
| A | 2.0 | IHAARA502015 | IHAARA502025 |
| | 3.0 | IHAARA503015 | IHAARA503025 |
| | 4.0 | IHAARA504015 | IHAARA504025 |
| B | 2.0 | IHAARB502015 | IHAARB502025 |
| | 3.0 | IHAARB503015 | IHAARB503025 |
| | 4.0 | IHAARB504015 | IHAARB504025 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARA452015C)
• Tightening torque : 30Ncm • Use the hex driver

# Angled Abutment(HEX TYPE)

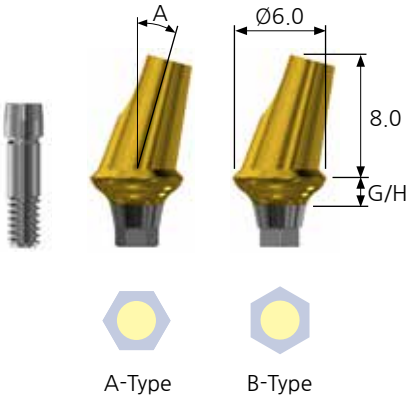
## Regular Ø5.5




| Regular Ø5.5 | | | |
|---|---|---|---|
| Type | G/H \ A | 15° | 25° |
| A | 2.0 | IHAARA552015 | IHAARA552025 |
| | 3.0 | IHAARA553015 | IHAARA553025 |
| | 4.0 | IHAARA554015 | IHAARA554025 |
| B | 2.0 | IHAARB552015 | IHAARB552025 |
| | 3.0 | IHAARB553015 | IHAARB553025 |
| | 4.0 | IHAARB554015 | IHAARB554025 |

• Ti-Screw code : IHASR

## Regular Ø6.0




| Regular Ø6.0 | | | |
|---|---|---|---|
| Type | G/H \ A | 15° | 25° |
| A | 2.0 | IHAARA602015 | IHAARA602025 |
| | 3.0 | IHAARA603015 | IHAARA603025 |
| | 4.0 | IHAARA604015 | IHAARA604025 |
| B | 2.0 | IHAARB602015 | IHAARB602025 |
| | 3.0 | IHAARB603015 | IHAARB603025 |
| | 4.0 | IHAARB604015 | IHAARB604025 |

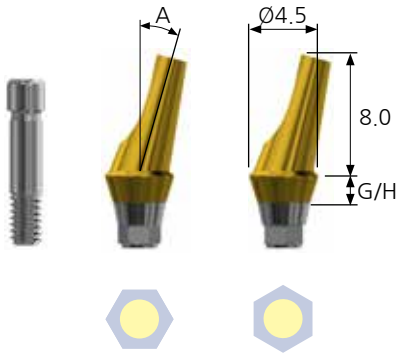
• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARA552015C)
• Tightening torque : 30Ncm • Use the hex driver

# Angled Abutment(HEX D-TYPE)



## Regular Ø4.5

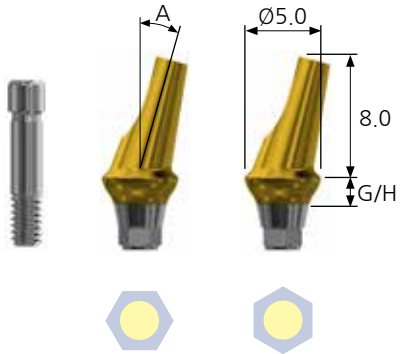



A-Type B-Type

| Regular Ø4.5 | | | |
|---|---|---|---|
| Type | A / G/H | 15° | 25° |
| A | 2.0 | IHAARA452015D | IHAARA452025D |
| | 3.0 | IHAARA453015D | IHAARA453025D |
| | 4.0 | IHAARA454015D | IHAARA454025D |
| B | 2.0 | IHAARB452015D | IHAARB452025D |
| | 3.0 | IHAARB453015D | IHAARB453025D |
| | 4.0 | IHAARB454015D | IHAARB454025D |

• Ti-Screw code : IHASD128

## Regular Ø5.0




A-Type B-Type

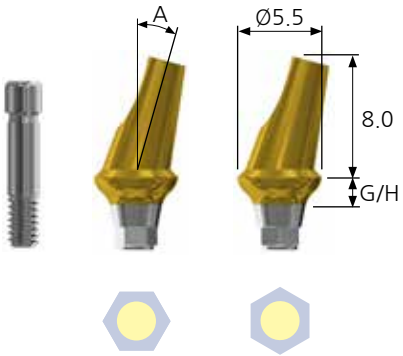
| Regular Ø5.0 | | | |
|---|---|---|---|
| Type | A / G/H | 15° | 25° |
| A | 2.0 | IHAARA502015D | IHAARA502025D |
| | 3.0 | IHAARA503015D | IHAARA503025D |
| | 4.0 | IHAARA504015D | IHAARA504025D |
| B | 2.0 | IHAARB502015D | IHAARB502025D |
| | 3.0 | IHAARB503015D | IHAARB503025D |
| | 4.0 | IHAARB504015D | IHAARB504025D |

• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARA452015D)
• Tightening torque : 30Ncm • Use the hex driver

# Angled Abutment(HEX D-TYPE)

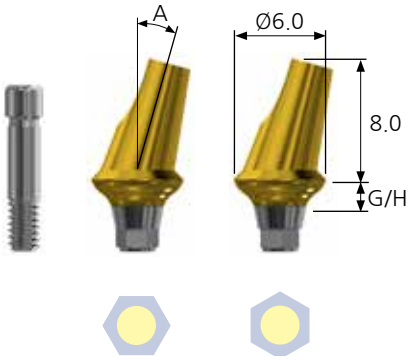
## Regular Ø5.5




| Regular Ø5.5 | | | |
|---|---|---|---|
| Type | G/H \ A | 15° | 25° |
| A | 2.0 | IHAARA552015D | IHAARA552025D |
| | 3.0 | IHAARA553015D | IHAARA553025D |
| | 4.0 | IHAARA554015D | IHAARA554025D |
| B | 2.0 | IHAARB552015D | IHAARB552025D |
| | 3.0 | IHAARB553015D | IHAARB553025D |
| | 4.0 | IHAARB554015D | IHAARB554025D |

• Ti-Screw code : IHASD128

## Regular Ø6.0




| Regular Ø6.0 | | | |
|---|---|---|---|
| Type | G/H \ A | 15° | 25° |
| A | 2.0 | IHAARA602015D | IHAARA602025D |
| | 3.0 | IHAARA603015D | IHAARA603025D |
| | 4.0 | IHAARA604015D | IHAARA604025D |
| B | 2.0 | IHAARB602015D | IHAARB602025D |
| | 3.0 | IHAARB603015D | IHAARB603025D |
| | 4.0 | IHAARB604015D | IHAARB604025D |

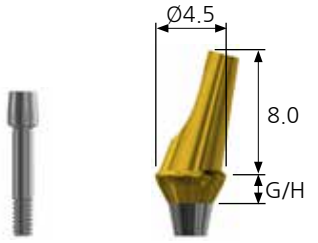
• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARA552015D)
• Tightening torque : 30Ncm • Use the hex driver

# Angled Abutment(NON-HEX TYPE)



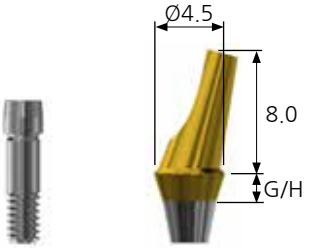
## Mini Ø4.5




| Mini Ø4.5 | | |
|---|---|---|
| G/H \ A | 15° | 25° |
| 2.0 | IHAAMN452015 | IHAAMN452025 |
| 3.0 | IHAAMN453015 | IHAAMN453025 |
| 4.0 | IHAAMN454015 | IHAAMN454025 |

• Ti-Screw code : IHASM

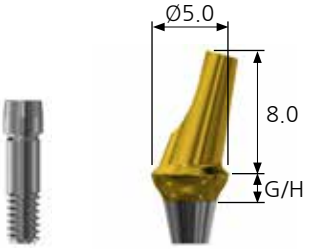
## Regular Ø4.5




| Regular Ø4.5 | | |
|---|---|---|
| G/H \ A | 15° | 25° |
| 2.0 | IHAARN452015 | IHAARN452025 |
| 3.0 | IHAARN453015 | IHAARN453025 |
| 4.0 | IHAARN454015 | IHAARN454025 |

• Ti-Screw code : IHASR

## Regular Ø5.0



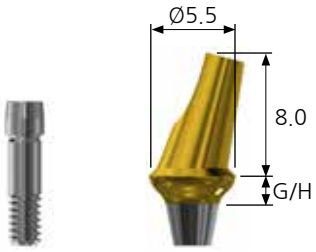

| Regular Ø5.0 | | |
|---|---|---|
| G/H \ A | 15° | 25° |
| 2.0 | IHAARN502015 | IHAARN502025 |
| 3.0 | IHAARN503015 | IHAARN503025 |
| 4.0 | IHAARN504015 | IHAARN504025 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARN452015C)
• Tightening torque : Mini-20Ncm, Regular-30Ncm • Use the hex driver

# Angled Abutment(NON-HEX TYPE)

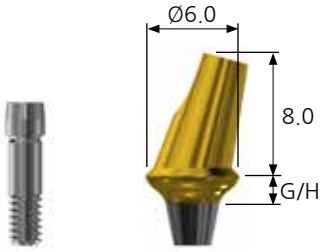
## Regular Ø5.5




| Regular Ø5.5 | | |
|---|---|---|
| G/H \ A | 15° | 25° |
| 2.0 | IHAARN552015 | IHAARN552025 |
| 3.0 | IHAARN553015 | IHAARN553025 |
| 4.0 | IHAARN554015 | IHAARN554025 |

• Ti-Screw code : IHASR

## Regular Ø6.0



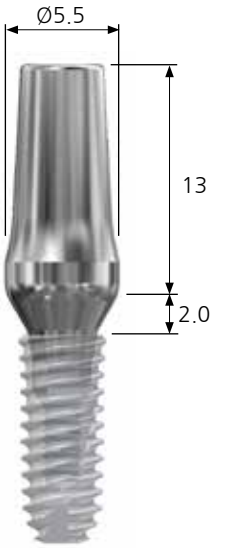

| Regular Ø6.0 | | |
|---|---|---|
| G/H \ A | 15° | 25° |
| 2.0 | IHAARN602015 | IHAARN602025 |
| 3.0 | IHAARN603015 | IHAARN603025 |
| 4.0 | IHAARN604015 | IHAARN604025 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHAARN552015C)
• Tightening torque : 30Ncm • Use the hex driver

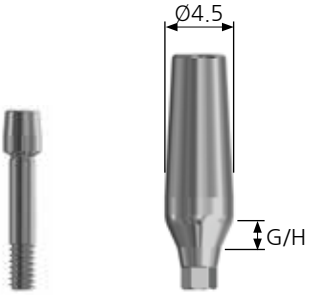
# FreeMilling Abutment(HEX TYPE)

· Use for the path adjustment of abutments or customization of prosthetic margin
· 11°taper connection for excellent safety
· Packing unit : Abutment + Ti-screw




IHFMRH5520

## Mini Ø4.5



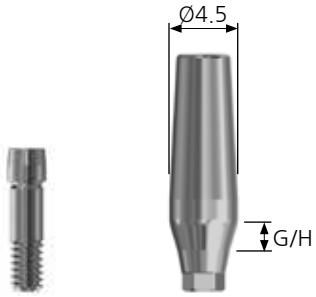

| Mini Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMMH4510 |
| 2.0 | IHFMMH4520 |
| 3.0 | IHFMMH4530 |

• Ti-Screw code : IHASM

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMMH4520)
• Tightening torque : 20Ncm • Use the hex driver

# FreeMilling Abutment(HEX TYPE)

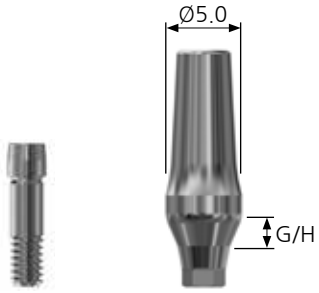
## Regular Ø4.5




| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH4510 |
| 2.0 | IHFMRH4520 |
| 3.0 | IHFMRH4530 |

• Ti-Screw code : IHASR

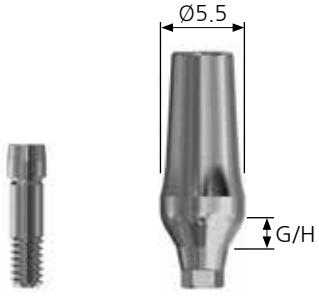
## Regular Ø5.0




| Regular Ø5.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH5010 |
| 2.0 | IHFMRH5020 |
| 3.0 | IHFMRH5030 |

• Ti-Screw code : IHASR

## Regular Ø5.5




| Regular Ø5.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH5510 |
| 2.0 | IHFMRH5520 |
| 3.0 | IHFMRH5530 |

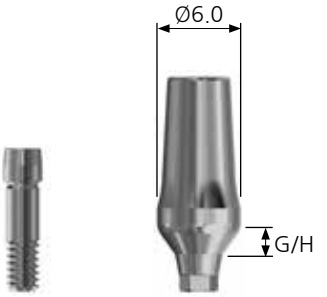
• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRH5020)
• Tightening torque : 30Ncm • Use the hex driver

# FreeMilling Abutment(HEX TYPE)



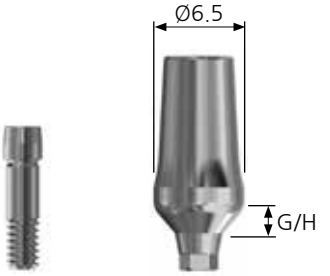
## Regular Ø6.0




| Regular Ø6.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH6010 |
| 2.0 | IHFMRH6020 |
| 3.0 | IHFMRH6030 |

• Ti-Screw code : IHASR

## Regular Ø6.5



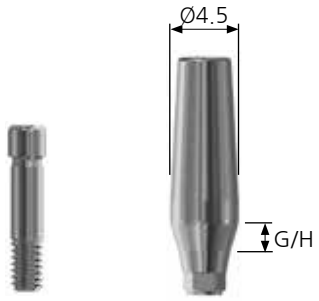

| Regular Ø6.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH6510 |
| 2.0 | IHFMRH6520 |
| 3.0 | IHFMRH6530 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRH6020)
• Tightening torque : 30Ncm • Use the hex driver

# FreeMilling Abutment(HEX D-TYPE)

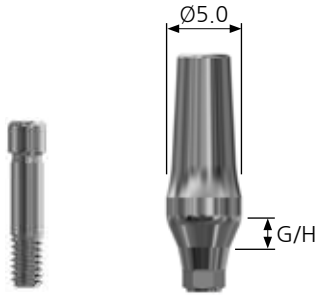
## Regular Ø4.5




| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH4510D |
| 2.0 | IHFMRH4520D |
| 3.0 | IHFMRH4530D |

• Ti-Screw code : IHASD128

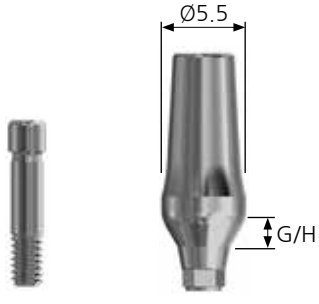
## Regular Ø5.0




| Regular Ø5.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH5010D |
| 2.0 | IHFMRH5020D |
| 3.0 | IHFMRH5030D |

• Ti-Screw code : IHASD128

## Regular Ø5.5




| Regular Ø5.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH5510D |
| 2.0 | IHFMRH5520D |
| 3.0 | IHFMRH5530D |

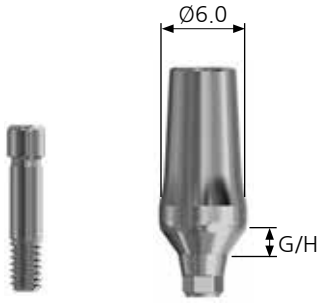
• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRH5020D)
• Tightening torque : 30Ncm • Use the hex driver

# FreeMilling Abutment(HEX D-TYPE)



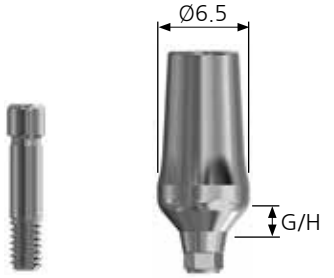
## Regular Ø6.0




| Regular Ø6.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH6010D |
| 2.0 | IHFMRH6020D |
| 3.0 | IHFMRH6030D |

• Ti-Screw code : IHASD128

## Regular Ø6.5



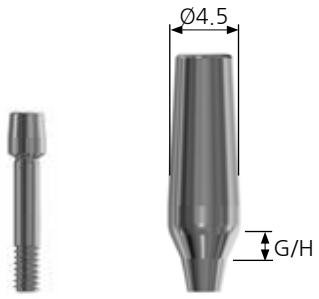

| Regular Ø6.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRH6510D |
| 2.0 | IHFMRH6520D |
| 3.0 | IHFMRH6530D |

• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRH6020D)
• Tightening torque : 30Ncm • Use the hex driver

# FreeMilling Abutment(NON-HEX TYPE)

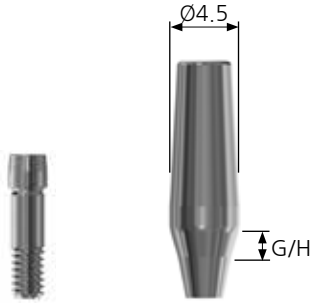
## Mini Ø4.5




| Mini Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMMN4510 |
| 2.0 | IHFMMN4520 |
| 3.0 | IHFMMN4530 |

• Ti-Screw code : IHASM

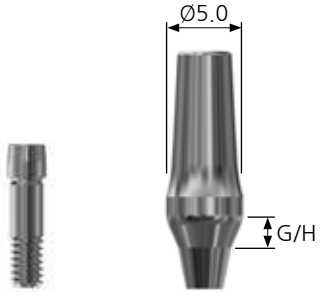
## Regular Ø4.5




| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRN4510 |
| 2.0 | IHFMRN4520 |
| 3.0 | IHFMRN4530 |

• Ti-Screw code : IHASR

## Regular Ø5.0




| Regular Ø5.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRN5010 |
| 2.0 | IHFMRN5020 |
| 3.0 | IHFMRN5030 |

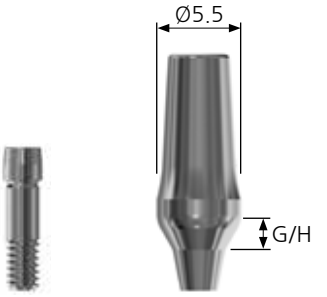
• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRN5020)
• Tightening torque : Mini-20Ncm, Regular-30Ncm • Use the hex driver

# FreeMilling Abutment(NON-HEX TYPE)



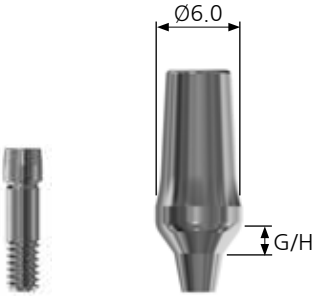
## Regular Ø5.5




| Regular Ø5.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRN5510 |
| 2.0 | IHFMRN5520 |
| 3.0 | IHFMRN5530 |

• Ti-Screw code : IHASR

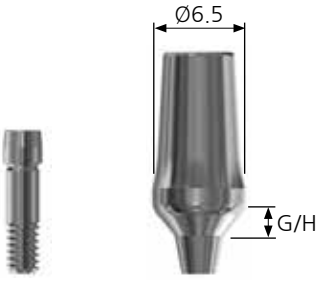
## Regular Ø6.0




| Regular Ø6.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRN6010 |
| 2.0 | IHFMRN6020 |
| 3.0 | IHFMRN6030 |

• Ti-Screw code : IHASR

## Regular Ø6.5




| Regular Ø6.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHFMRN6510 |
| 2.0 | IHFMRN6520 |
| 3.0 | IHFMRN6530 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHFMRN6020)
• Tightening torque : 30Ncm • Use the hex driver

# CCM Casting Abutment

- Used in producing screw-retained prosthetics
- Used when path, aesthetics, or space have limitations
- CCM casting abutment replaces expensive gold to alleviate financial burden to all.
- Abutment region fusion range : 1400˚C~1550˚C
- Packing unit : Abutment + Sleeve + Ti-screw


IHCCARH4510



## Mini Ø4.0


| Mini Ø4.0 | | |
|---|---|---|
| G/H | Hex | Non-Hex |
| 1.0 | IHCCAMH4010 | IHCCAMN4010 |
| 3.0 | IHCCAMH4030 | IHCCAMN4030 |

- Ti-Screw code : IHASM

- Abutment + Screw order code : **A**+Product code(ex : **A**IHCCAMH4010)
- Tightening torque : 20Ncm
- Use the hex driver

# CCM Casting Abutment



## Regular Ø4.5


| Regular Ø4.5 | | |
|---|---|---|
| G/H | Hex | Non-Hex |
| 1.0 | IHCCARH4510 | IHCCARN4510 |
| 3.0 | IHCCARH4530 | IHCCARN4530 |

- Ti-Screw code : IHASR

## Regular D-type Ø4.5

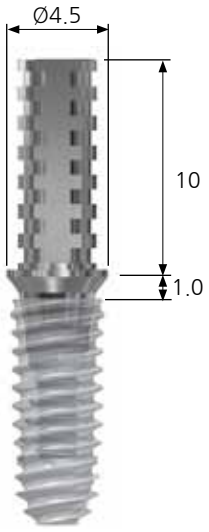

| Regular D-type Ø4.5 | |
|---|---|
| G/H | Hex |
| 1.0 | IHCCARH4510D |
| 3.0 | IHCCARH4530D |

- Ti-Screw code : IHASD128

- Abutment + Screw order code : **A**+Product code(ex : **A**IHCCARH4510)
- Tightening torque : 30Ncm
- Use the hex driver

# Temporary Abutment(HEX TYPE)

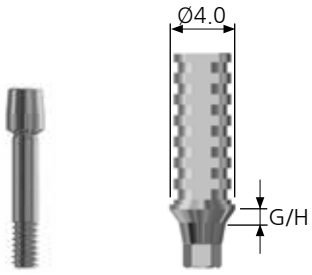
· Use to make temporary prosthesis
· 11°taper connection for excellent safety
· Packing unit : Abutment + Ti-screw




IHTARH4510



## Mini Ø4.0



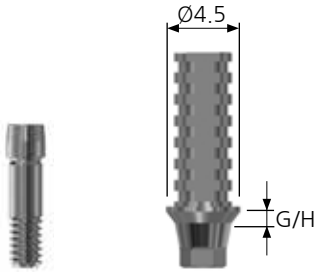

| Mini Ø4.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHTAMH4010 |
| 3.0 | IHTAMH4030 |

• Ti-Screw code : IHASM

• Abutment + Screw order code : **A**+Product code(ex : **A**IHTAMH4010)
• Tightening torque : 20Ncm • Use the hex driver

# Temporary Abutment(HEX TYPE)

## Regular Ø4.5



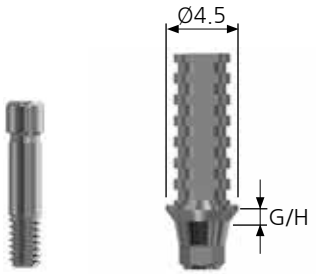

| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHTARH4510 |
| 3.0 | IHTARH4530 |

• Ti-Screw code : IHASR



# Temporary Abutment(HEX D-TYPE)

## Regular Ø4.5



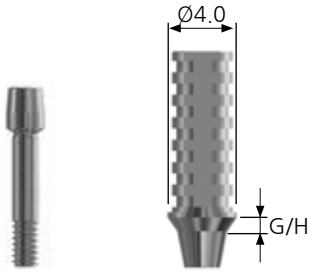

| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHTARH4510D |
| 3.0 | IHTARH4530D |

• Ti-Screw code : IHASD128

• Abutment + Screw order code : **A**+Product code(ex : **A**IHTARH4510)
• Tightening torque : 20Ncm • Use the hex driver

# Temporary Abutment(NON-HEX TYPE)

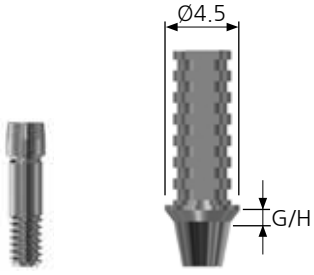
## Mini Ø4.0




| Mini Ø4.0 | |
|---|---|
| G/H | Code |
| 1.0 | IHTAMN4010 |
| 3.0 | IHTAMN4030 |

• Ti-Screw code : IHASM

## Regular Ø4.5



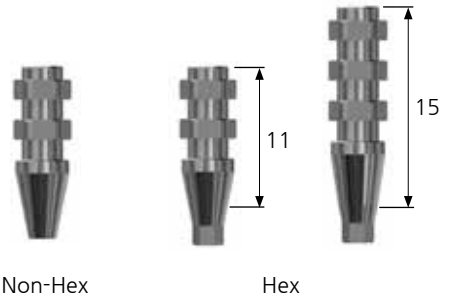

| Regular Ø4.5 | |
|---|---|
| G/H | Code |
| 1.0 | IHTARN4510 |
| 3.0 | IHTARN4530 |

• Ti-Screw code : IHASR

• Abutment + Screw order code : **A**+Product code(ex : **A**IHTARN4510)
• Tightening torque : 20Ncm • Use the hex driver

# Fixture Level Impression Coping
## Pick-up type

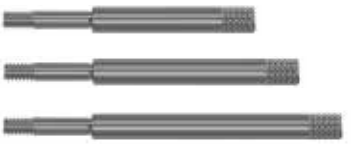
### Mini Ø4.0 / Ø4.5




| Mini Ø4.0/4.5 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIMH4011 | IHPIMN4011 |
| | IHPIMH4511 | IHPIMN4511 |
| 15 | IHPIMH4015 | IHPIMN4015 |
| | IHPIMH4515 | IHPIMN4515 |

### Guide Pin

#### Mini



| Mini | |
|---|---|
| Size | Code |
| Short | IHPIGPM100 |
| Middle | IHPIGPM150 |
| Long | IHPIGPM150L |

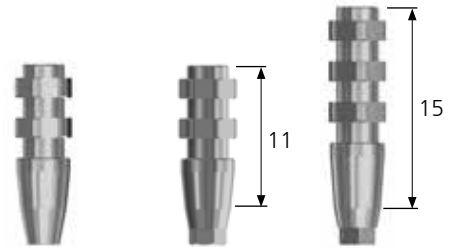
#### Regular

| Regular | | |
|---|---|---|
| Size | Code | |
| Short | IHPIGPR100 | IHPIGPR100D |
| Middle | IHPIGPR150 | IHPIGPR150D |
| Long | IHPIGPR150L | IHPIGPR150LD |

- Pick-up type for taking an impression using a customized tray
- Packing unit : Impression body + Guide pin
- Use the hex driver

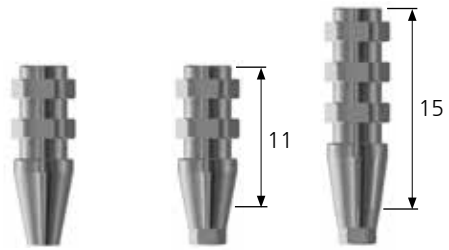
# Fixture Level Impression Coping
## Pick-up type

### Regular Ø4.0



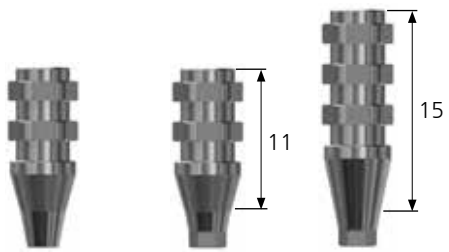

| Regular Ø4.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIRH4011 | IHPIRN4011 |
| 15 | IHPIRH4015 | IHPIRN4015 |

### Regular Ø4.5




| Regular Ø4.5 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIRH4511 | IHPIRN4511 |
| 15 | IHPIRH4515 | IHPIRN4515 |

### Regular Ø5.0

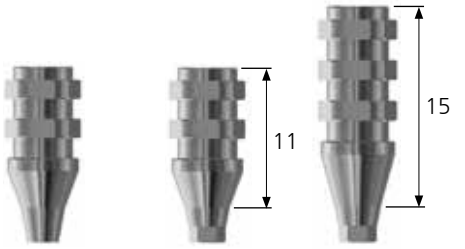



| Regular Ø5.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIRH5011 | IHPIRN5011 |
| 15 | IHPIRH5015 | IHPIRN5015 |

- Pick-up type for taking an impression using a customized tray
- Packing unit : Impression body + Guide pin
- Use the hex driver

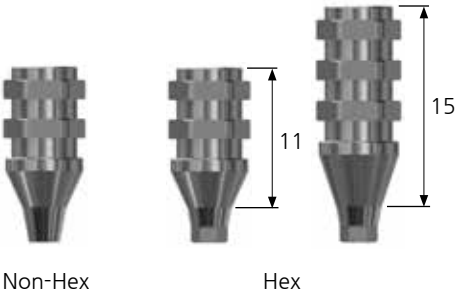
# Fixture Level Impression Coping
## Pick-up type

### Regular Ø5.5




| Regular Ø5.5 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIRH5511 | IHPIRN5511 |
| 15 | IHPIRH5515 | IHPIRN5515 |

### Regular Ø6.0

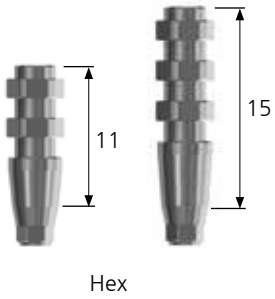



| Regular Ø6.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHPIRH6011 | IHPIRN6011 |
| 15 | IHPIRH6015 | IHPIRN6015 |

- Pick-up type for taking an impression using a customized tray
- Packing unit : Impression body + Guide pin
- Use the hex driver

# Fixture Level Impression Coping(HEX D-TYPE)
## Pick-up type

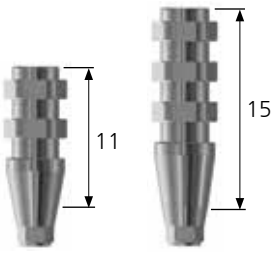
### Regular Ø4.0




Hex

| Regular Ø4.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHPIRH4011D |
| 15 | IHPIRH4015D |

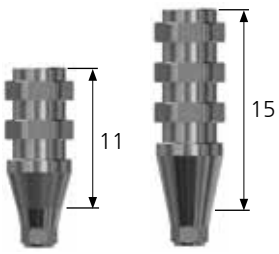
### Regular Ø4.5




Hex

| Regular Ø4.5 | |
|---|---|
| L | Hex D-type |
| 11 | IHPIRH4511D |
| 15 | IHPIRH4515D |

### Regular Ø5.0



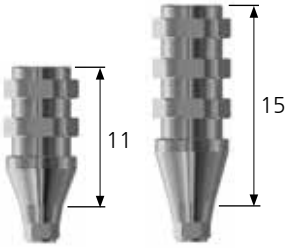

Hex

| Regular Ø5.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHPIRH5011D |
| 15 | IHPIRH5015D |

- Pick-up type for taking an impression using a customized tray
- Packing unit : Impression body + Guide pin
- Use the hex driver

# Fixture Level Impression Coping (HEX D-TYPE)
## Pick-up type

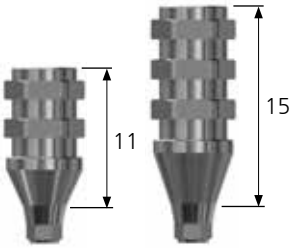
### Regular Ø5.5




Hex

| Regular Ø5.5 | |
|---|---|
| L | Hex D-type |
| 11 | IHPIRH5511D |
| 15 | IHPIRH5515D |

### Regular Ø6.0



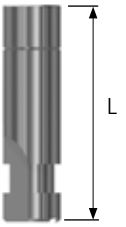

Hex

| Regular Ø6.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHPIRH6011D |
| 15 | IHPIRH6015D |

- Pick-up type for taking an impression using a customized tray
- Packing unit : Impression body + Guide pin
- Use the hex driver



# Fixture Lab Analog




| L | Mini | Regular | | D-TYPE |
|---|---|---|---|---|
| 12 | IHFLAM120 | IHFLAR350 | IHFLAR120 | IHFLAR120D |
| 15 | IHFLAM150 | IHFLAR350L | IHFLAR150 | IHFLAR150D |

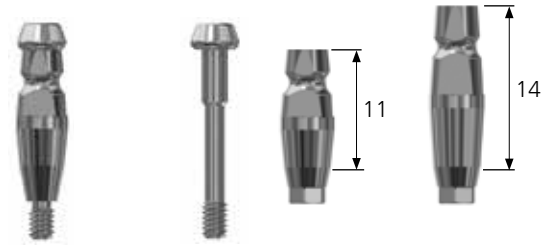
# Fixture Level Impression Coping
## Transfer type

### Mini Ø4.0 / Ø4.5


Non-Hex Hex

| Mini Ø4.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIMH4011 | IHTIMN4011 |
| | IHTIMH4511 | IHTIMN4511 |
| 14 | IHTIMH4014 | IHTIMN4014 |
| | IHTIMH4514 | IHTIMN4514 |

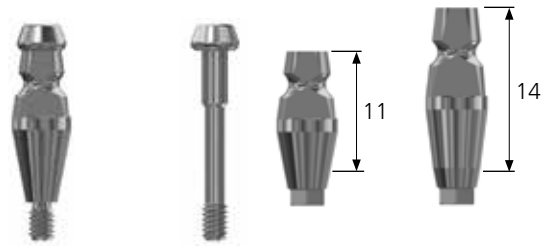
### Regular Ø4.0




Non-Hex Hex

| Regular Ø4.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIRH4011 | IHTIRN4011 |
| 14 | IHTIRH4014 | IHTIRN4014 |

### Regular Ø4.5



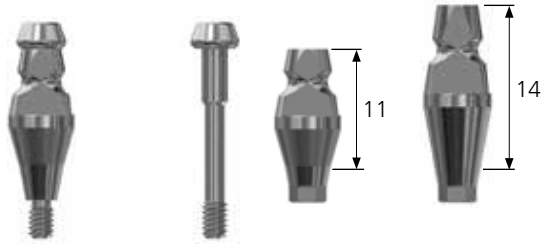

Non-Hex Hex

| Regular Ø4.5 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIRH4511 | IHTIRN4511 |
| 14 | IHTIRH4514 | IHTIRN4514 |

- Transfer type for taking an impression using a ready-made tray
- Packing unit : Hex type = Impression coping + Guide pin
  Non-Hex type = Impression coping
- Use the hex driver

# Fixture Level Impression Coping
## Transfer type

### Regular Ø5.0




Non-Hex Hex

| Regular Ø5.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIRH5011 | IHTIRN5011 |
| 14 | IHTIRH5014 | IHTIRN5014 |

### Regular Ø5.5


Non-Hex Hex

| Regular Ø5.5 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIRH5511 | IHTIRN5511 |
| 14 | IHTIRH5514 | IHTIRN5514 |

### Regular Ø6.0

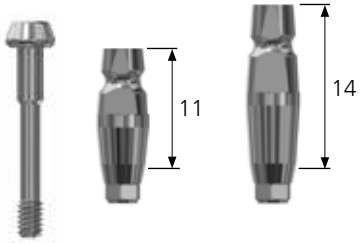

Non-Hex Hex

| Regular Ø6.0 | | |
|---|---|---|
| L | Hex | Non-Hex |
| 11 | IHTIRH6011 | IHTIRN6011 |
| 14 | IHTIRH6014 | IHTIRN6014 |

- Transfer type for taking an impression using a ready-made tray
- Packing unit : Hex type = Impression coping + Guide pin
  Non-Hex type = Impression coping
- Use the hex driver

# Fixture Level Impression Coping(HEX D-TYPE)
## Transfer type

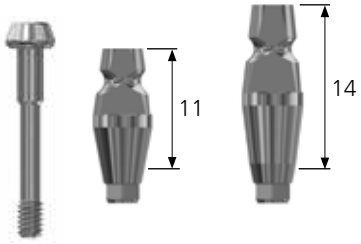
### Regular Ø4.0




Hex

| Regular Ø4.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHTIRH4011D |
| 14 | IHTIRH4014D |

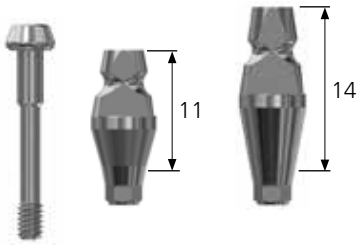
### Regular Ø4.5




Hex

| Regular Ø4.5 | |
|---|---|
| L | Hex D-type |
| 11 | IHTIRH4511D |
| 14 | IHTIRH4514D |

### Regular Ø5.0



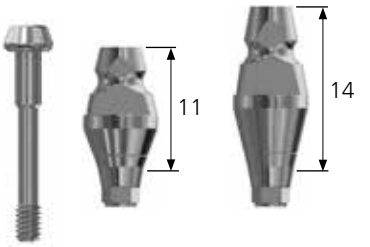

Hex

| Regular Ø5.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHTIRH5011D |
| 14 | IHTIRH5014D |

- Transfer type for taking an impression using a ready-made tray
- Packing unit : Hex type = Impression coping + Guide pin
- Use the hex driver

# Fixture Level Impression Coping (HEX D-TYPE)
## Transfer type

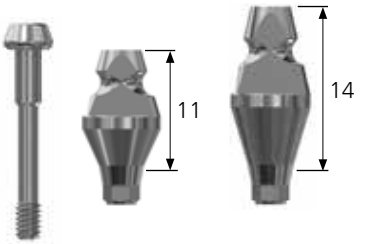
### Regular Ø5.5




Hex

| Regular Ø5.5 | |
|---|---|
| L | Hex D-type |
| 11 | IHTIRH5511D |
| 14 | IHTIRH5514D |

### Regular Ø6.0




Hex

| Regular Ø6.0 | |
|---|---|
| L | Hex D-type |
| 11 | IHTIRH6011D |
| 14 | IHTIRH6014D |

- Transfer type for taking an impression using a ready-made tray
- Packing unit : Hex type = Impression coping + Guide pin
- Use the hex driver

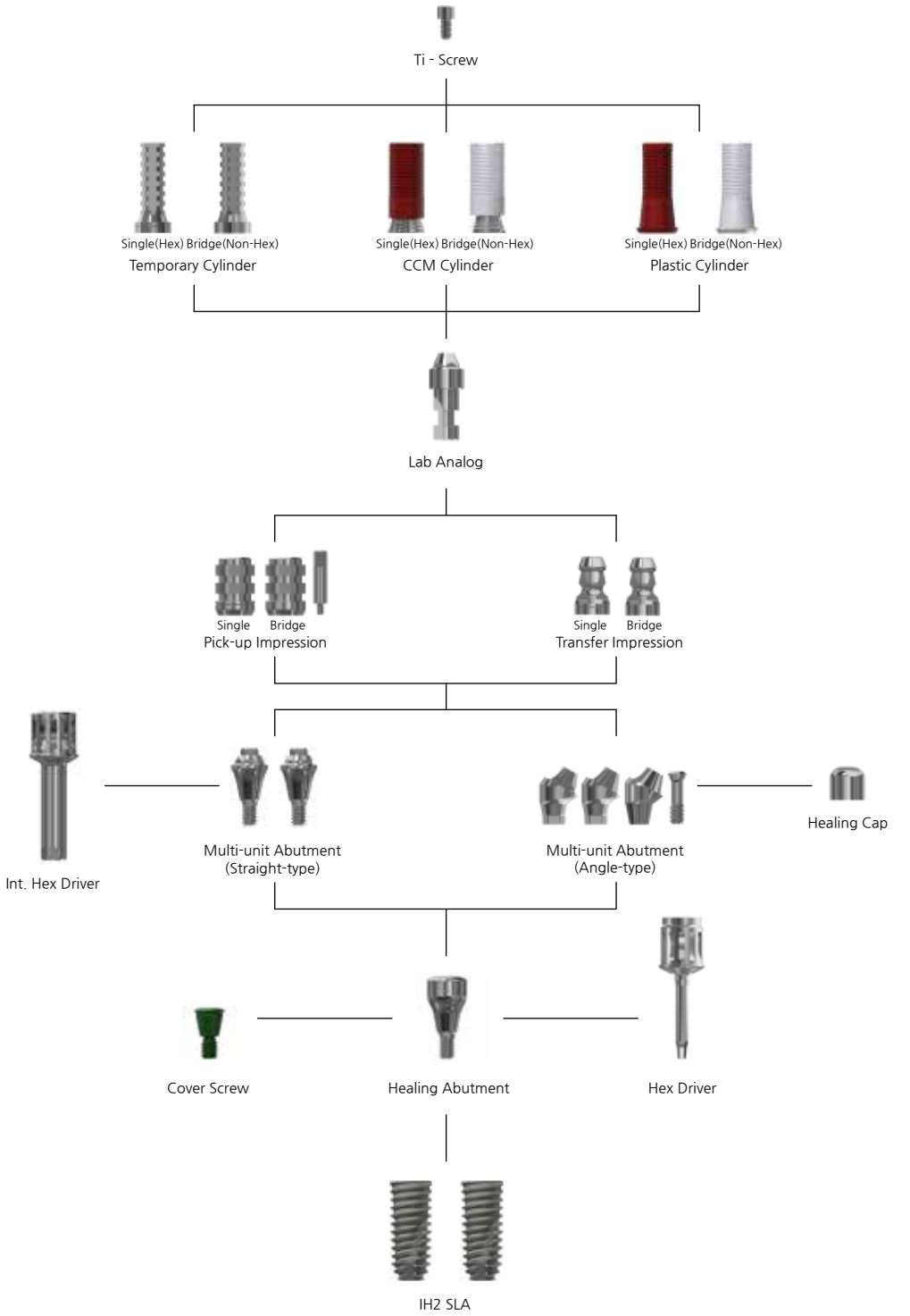
# SEWON MEDIX IMPLANT SYSTEM

DENTAL IMPLANT SYSTEM
SEWON MEDIX

Prosthetic Flow Diagram 2

# Screw Retained Restoration

Multi-unit Abutment



# Multi-unit Abutment

· Use for screw-retained multiple cases.
· 11°taper connection for excellent safety
· Packing unit :
Straight type = Abutment + Holder
17°/30° type = Abutment + Ti screw + Holder



## Straight type

### Mini


| Mini | | |
|---|---|---|
| G/H | Bridge | Single |
| 1.5 | IHMAM15 | IHMAM15S |
| 2.5 | IHMAM25 | IHMAM25S |
| 3.5 | IHMAM35 | IHMAM35S |
| 4.5 | IHMAM45 | IHMAM45S |

### Regular

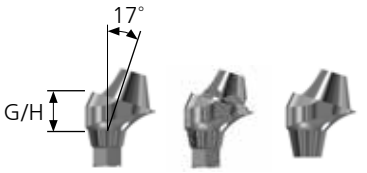

| Regular | | |
|---|---|---|
| G/H | Bridge | Single |
| 1.5 | IHMAR15 | IHMAR15S |
| 2.5 | IHMAR25 | IHMAR25S |
| 3.5 | IHMAR35 | IHMAR35S |
| 4.5 | IHMAR45 | IHMAR45S |

• Abutment + Holder order code : **A**+Product code(ex : **A**IHMAR25)
• Tightening torque : 30Ncm • Use the internal hex driver

# Multi-unit Abutment

## Mini

### 17° Multi-unit Abutment



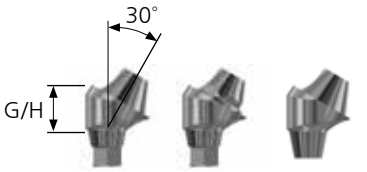

Hex Non-Hex

| Mini 17° Multi-unit Abutment | | | |
|---|---|---|---|
| Fixture | Hex | | Non-Hex |
| Cylinder | Bridge | Single | Bridge |
| 2.5 | IHMAMH2517 | IHMAMH2517S | IHMAMN2517 |
| 3.0 | IHMAMH3017 | IHMAMH3017S | IHMAMN3017 |
| 4.0 | IHMAMH4017 | IHMAMH4017S | IHMAMN4017 |

• Ti-Screw code : IHMASM200



### 30° Multi-unit Abutment




Hex Non-Hex

| Mini 30° Multi-unit Abutment | | | |
|---|---|---|---|
| Fixture | Hex | | Non-Hex |
| Cylinder | Bridge | Single | Bridge |
| 3.5 | IHMAMH3530 | IHMAMH3530S | IHMAMN3530 |
| 4.0 | IHMAMH4030 | IHMAMH4030S | IHMAMN4030 |
| 5.0 | IHMAMH5030 | IHMAMH5030S | IHMAMN5030 |

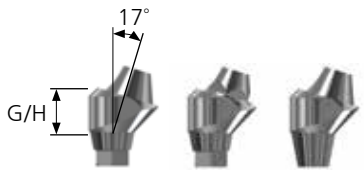
• Ti-Screw code : IHMASM200

• Order code : A+Product code(ex : AIHMAMH3517)
• Tightening torque : 30Ncm • Use the hex driver

# Multi-unit Abutment

## Regular

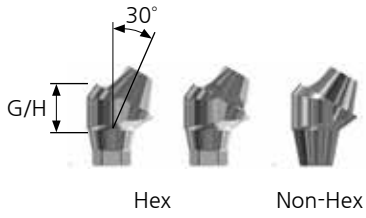
### 17° Multi-unit Abutment




| Regular 17° Multi-unit Abutment | | | |
|---|---|---|---|
| Fixture | Hex | | Non-Hex |
| Cylinder | Bridge | Single | Bridge |
| 2.5 | IHMARH2517 | IHMARH2517S | IHMARN2517 |
| 3.0 | IHMARH3017 | IHMARH3017S | IHMARN3017 |
| 4.0 | IHMARH4017 | IHMARH4017S | IHMARN4017 |

• Ti-Screw code : IHMASR200

### 30° Multi-unit Abutment



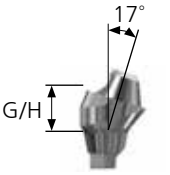

| Regular 30° Multi-unit Abutment | | | |
|---|---|---|---|
| Fixture | Hex | | Non-Hex |
| Cylinder | Bridge | Single | Bridge |
| 3.5 | IHMARH3530 | IHMARH3530S | IHMARN3530 |
| 4.0 | IHMARH4030 | IHMARH4030S | IHMARN4030 |
| 5.0 | IHMARH5030 | IHMARH5030S | IHMARN5030 |

• Ti-Screw code : IHMASR200

• Order code : A+Product code(ex : AIHMARH3517)
• Tightening torque : 30Ncm • Use the hex driver

# Multi-unit Abutment(D-TYPE)

## 17° Multi-unit Abutment



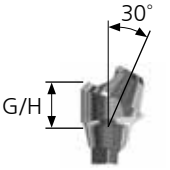
Hex

| 17° Multi-unit Abutment D-type | |
|---|---|
| G/H | Hex D-type |
| 2.5 | IHMARH2517D |
| 3.5 | IHMARH3517D |

• Ti-Screw code : MARSD200



## 30° Multi-unit Abutment



Hex

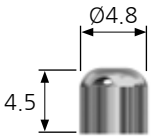
| 30° Multi-unit Abutment D-type | |
|---|---|
| G/H | Hex D-type |
| 3.5 | IHMARH3530D |
| 4.5 | IHMARH4530D |

• Ti-Screw code : MARSD200

• Order code : A+Product code(ex : AIHMARH3517D)
• Tightening torque : 30Ncm • Use the hex driver

# Multi-unit Abutment Components

## Healing Cap




| Code |
|---|
| MHC480H |

· Use the hex driver
· Tightening torque : 20Ncm
· Packing unit : Healing cap

## CCM Cylinder


| Screw | Bridge(Non-Hex) | Single(Hex) |
|---|---|---|
| CS200 | MCC100H | MCC200H |

· Use the hex driver
· Tightening torque : 20Ncm
· Packing unit : Cylinder + Sleeve + Screw
· The prosthesis is made of alloy casting
· Cylinder + screw order code : A+Product code(ex : AMCC100H)

# Multi-unit Abutment Components

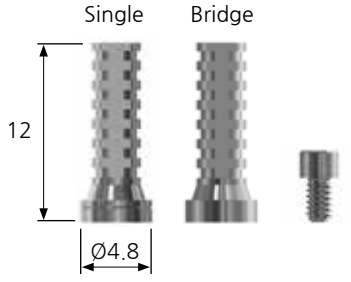
## Plastic Cylinder


| Screw | Bridge(Non-Hex) | Single(Hex) |
|---|---|---|
| CS200 | MPC100H | MPC200H |

· Use the hex driver
· Tightening torque : 20Ncm
· Packing unit : Cylinder + Screw
· The prosthesis is made of alloy casting
· Cylinder + screw order code : A+Product code(ex : AMPC100H)



## Temporary Cylinder

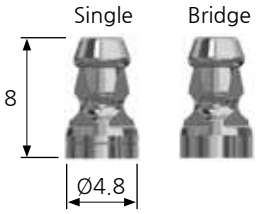



| Screw | Bridge(Non-Hex) | Single(Hex) |
|---|---|---|
| CS200 | MTC100H | MTC200H |

· Use the hex driver
· Tightening torque : 20Ncm
· Packing unit : Cylinder + Screw
· Multi-unit abutment used in the making of a temporary prosthesis
· Cylinder + screw order code : A+Product code(ex : AMTC100H)

# Multi-unit Abutment Components

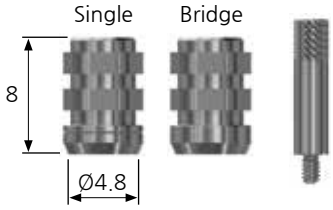
## Transfer Impression Coping




| Screw | Bridge(Non-Hex) | Single(Hex) |
|---|---|---|
| MTICS70H | MTIC100H | MTIC200H |

· Packing unit : Impression coping + Screw
· Used the hex driver
· Transfer type for taking an impression using a ready-made tray
· Impression coping + Screw Order code : A+Product code(ex : AMTIC100H)

## Pick-up Impression Coping




| Screw | Bridge(Non-Hex) | Single(Hex) |
|---|---|---|
| MPIGP120H | MPIC100H | MPIC200H |

· Packing unit : Impression coping + Guide pin
· Used the hex driver
· Pick-up type for taking an impression using a customized tray
· Impression coping + Screw Order code : A+Product code(ex : AMPIC100H)

## LAB Analog


| Diameter | Code |
|---|---|
| Ø4.8 | MLA480 |

· Packing unit : Lab analog
· Multi-unit abutment on a working model

SEWON MEDIX

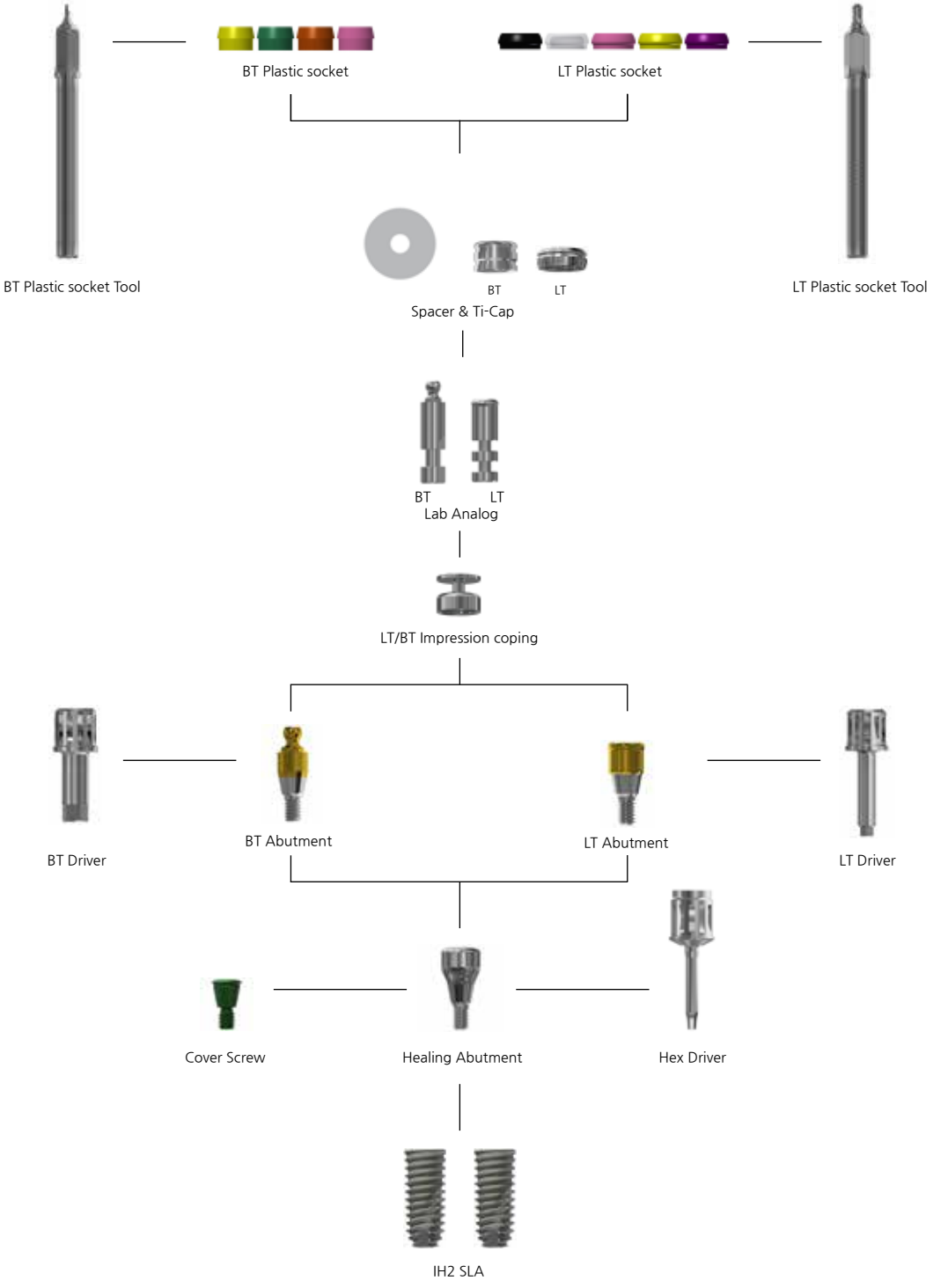
# SEWON MEDIX

## IMPLANT OVERDENTURE SYSTEM

Prosthetic Flow Diagram 3

# Overdenture

## LT/BT Abutment



# LT Abutment

· Accommodates up to 40° divergence between two implants
· Excellent durability
· Low vertical dimension, stability, and various attachments with retention



## Mini


| G/H | Code |
|---|---|
| 1.0 | IHLAM3510 |
| 2.0 | IHLAM3520 |
| 3.0 | IHLAM3530 |
| 4.0 | IHLAM3540 |
| 5.0 | IHLAM3550 |
| 6.0 | IHLAM3560 |
| 7.0 | IHLAM3570 |

## Regular


| G/H | Code |
|---|---|
| 1.0 | IHLAR4010 |
| 2.0 | IHLAR4020 |
| 3.0 | IHLAR4030 |
| 4.0 | IHLAR4040 |
| 5.0 | IHLAR4050 |
| 6.0 | IHLAR4060 |
| 7.0 | IHLAR4070 |

- Tightening torque : 30Ncm
- Use by LT driver
- Abutment + Laboratory set order code : A+Product code+P(ex : AIHLAR4030P)

# LT Abutment Components

## LT laboratory set

| Code | LPSLSP |
|---|---|

· Component
  - Block-out spacer / Ti-cap connected black laboratory plastic socket
  - Replacement Plastic socket : Yellow/Pink/Clear/Purple
· Used after selecting retention plastic sockets that are appropriate for the case
· Use Plastic socket tool to replace plastic socket
· Packing unit : 1 sets

## LT Replacement Plastic Socket

### LPSPL

· Laboratory plastic socket
· Colors : Black
· Quantity : 4 units

### LPS07P

· Retention force : 700gr(6.86N)
· 0 ~ 10°, Yellow
· Quantity : 4 units

### LPS09P

· Retention force : 900gr(8.83N)
· 0 ~ 10°, Pink
· Quantity : 4 units

### LPS15P

· Retention force : 1500gr(14.71N)
· 0 ~ 10°, Clear
· Quantity : 4 units

### LPS18P

· Retention force : 1800gr(17.65N)
· 0 ~ 10°, Purple
· Quantity : 4 units

## LT Extended Replacement Plastic Socket

### LPS06NP

· Retention force : 600gr(5.88N)
· 0 ~ 20°, Yellow
· Quantity : 4 units

### LPS08NP

· Retention force : 800gr(7.84N)
· 0 ~ 20°, Pink
· Quantity : 4 units

### LPS10NP

· Retention force : 1000gr(9.8N)
· 0 ~ 20°, Clear
· Quantity : 4 units

### LPS15NP

· Retention force : 1500gr(14.71N)
· 0 ~ 20°, Purple
· Quantity : 4 units



### Block Out Spacers - LTBOS

· Seals gap between denture cap and abutment
· Quantity : 10 units

### LT Impression coping - LTIC55

· Quantity : 4 units

### Lab Analog - LTLA120

· LT Abutment Lab Analog
· Quantity : 4 units

# LT Abutment Components

## LT Torque Driver

Square type Round type

| Type | Short | Long |
|---|---|---|
| Round | LDRS | LDRL |
| Square | LDSS | LDSL |

· Use to tighten LT Abutment

## LT Plastic Socket Tool

LTPST

· Used in attaching and replacement plastic socket

# BT Abutment

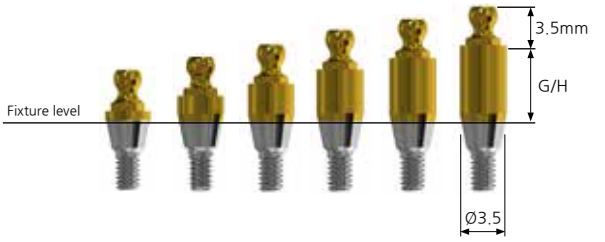
· Ball type overdenture prostheses
· Depending on the retention force, the plastic socket comes in defferent colors
· Used when fixed type implant prosthesis is difficult due to severe bone or soft tssue loss
· Post part is colored in gold



## Mini


| G/H | Code |
|---|---|
| 1.0 | IHBAM2210 |
| 2.0 | IHBAM2220 |
| 3.0 | IHBAM2230 |
| 4.0 | IHBAM2240 |
| 5.0 | IHBAM2250 |
| 6.0 | IHBAM2260 |

## Regular




| G/H | Code |
|---|---|
| 1.0 | IHBAR2210 |
| 2.0 | IHBAR2220 |
| 3.0 | IHBAR2230 |
| 4.0 | IHBAR2240 |
| 5.0 | IHBAR2250 |
| 6.0 | IHBAR2260 |

• Tightening torque : 30Ncm • Use by BT driver

# BT Abutment Components

## BT Replacement Plastic Socket

### BT Ti-Cap - BATC22

· The size of the titanium cap has been reduced to provide stability and it is designed to strengthen the coherence with resin.
· Quantity : 4 units

### BPS22035

· Retention force : 350gr(3.43N)
· 0 ~ 10°, ORANGE
· Quantity : 4 units

### BPS22050

· Retention force : 500gr(4.9N)
· 0 ~ 10°, Yellow
· Quantity : 4 units

### BPS22090

· Retention force : 900gr(8.83N)
· 0 ~ 10°, Pink
· Quantity : 4 units

### BPS22130

· Retention force : 1300gr(12.75N)
· 0 ~ 10°, AQUA
· Quantity : 4 units

### BT Impression coping - BTIC22

· Quantity : 4 units

### Lab Analog - BTLA22

· BT Abutment Lab Analog
· Quantity : 4 units

# BT Abutment Components

## BT Torque Driver

Square type Round type

| Type | Short | Long |
|---|---|---|
| Round | BDRS | BDRL |
| Square | BDSS | BDSL |

· Use to tighten BT Abutment

## BT Plastic Socket Tool

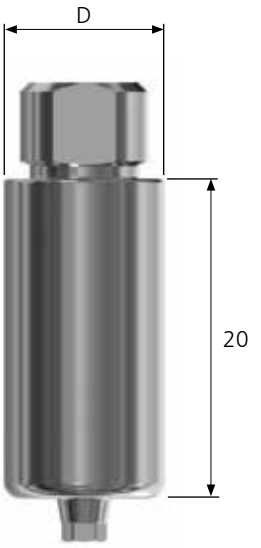
BTPST

· Used in attaching and replacement plastic socket

# IH SYSTEM

# Ti-Custom Block(HEX TYPE)

- Used to make customized prosthesis
- Packing unit : Ti-Block + Screw
- Tightening torque : Use according to each model

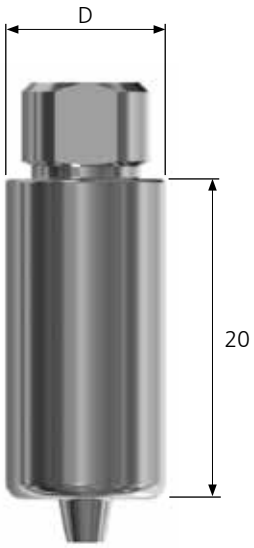



IHCBRH10

| Code | | Compatible Model | Screw code |
|---|---|---|---|
| Ø10 | Ø14 | | |
| IHCBMH10 | IHCBMH14 | TS Mini, Luna Mini | IHASM |
| IHCBRH10 | IHCBRH14 | TS Regular, Luna Regular, UF Regular | IHASR |
| IHCBRH10D | IHCBRH14D | SuperLine, AnyOne, IS Regular | IHASD128 |

# **Ti-Custom Block**(NON-HEX TYPE)

- Used to make customized prosthesis
- Packing unit : Ti-Block + Screw
- Tightening torque : Use according to each model




IHCBRN10

| Code | | Compatible Model | Screw code |
|---|---|---|---|
| Ø10 | Ø14 | | |
| IHCBMN10 | IHCBMN14 | TS Mini, Luna Mini | IHASM |
| IHCBRN10 | IHCBRN14 | TS Regular, Luna Regular, UF Regular, SuperLine, AnyOne, IS Regular | IHASR |

# Ti-Custom Block

| Code | | Compatible Model | Screw code |
|---|---|---|---|
| Ø10 | Ø14 | | |
| 3C34TB10 | 3C34TB14 | BIOMET 3I, Certain, 34mm | IUNIHT |
| 3C41TB10 | 3C41TB14 | BIOMET 3I, Certain, 4.1mm | |
| 3C50TB10 | 3C50TB14 | BIOMET 3I, Certain, 5.0mm | |
| AATB10 | AATB14 | Anthogyr, Axiom | ARTS200 |
| ARNTB10 | ARNTB14 | Ankylos | ATS200 |
| BS37TB10 | BS37TB14 | BEGO, Semados, Ø3.25/3.75 | BPSS200 |
| BS41TB10 | BS41TB14 | BEGO, Semados, Ø4.1 | |
| BS45TB10 | BS45TB14 | BEGO, Semados, Ø4.5 | |
| BS55TB10 | BS55TB1 | BEGO, Semados, Ø5.5 | |
| IB41RTB10 | IB41RTB14 | Straumann, Bone Level, RC, 4.1mm | IBNBS600 |
| IBNTB10 | IBNTB14 | Straumann, Bone Level, NC, 3.3mm | IBRBS600 |
| ITB4810 | ITB4814 | Straumann, Tissue Level, Ø4.8 | ITBS600 |
| ITB6510 | ITB6514 | Straumann, Tissue Level, Ø6.5 | |
| AYXTB10 | AYXTB14 | ASTRA, Yellow | AYXTS200 |
| AASTB10 | AASTB14 | ASTRA, Aqua | AASTS200 |
| ALLTB10 | ALLTB14 | ASTRA, Lilac | ALLTS200 |
| FFNTB10 | FFNTB14 | FMD, i-Fix, Narrow | FFNTS200 |
| FFRTB10 | FFRTB14 | FMD, i-Fix, Regular | FFRTS200 |

- A list of products not available in the EU.

# Ti-Custom Block

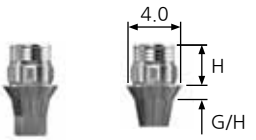
| Code | | Compatible Model | Screw code |
|---|---|---|---|
| Ø10 | Ø14 | | |
| XF30TB10 | XF30TB14 | XiVE, Friadent Ø3.0 | XF30TS |
| XF34TB10 | XF34TB14 | XiVE, Friadent Ø3.4 | XF34TS |
| XF38TB10 | XF38TB14 | XiVE, Friadent Ø3.8 | |
| XF45TB10 | XF45TB14 | XiVE, Friadent Ø4.5 | |
| XF55TB10 | XF55TB14 | XiVE, Friadent Ø5.5 | |
| MNTB10 | MNTB14 | MIS, Internal NP | MNTS200 |
| MSTB10 | MSTB14 | MIS, Internal SP | MSTS200 |
| NRNTB10 | NRNTB14 | Nobelbiocare, Replace NP | NRTSN300 |
| NRRTB10 | NRRTB14 | Nobelbiocare, Replace RP | NRTSR300 |
| NRWTB10 | NRWTB14 | Nobelbiocare, Replace WP | |
| NR6TB10 | NR6TB14 | Nobelbiocare, Replace 6.0 | |
| NANTB10 | NANTB14 | Nobelbiocare, Active NP | NATSN300 |
| NARTB10 | NARTB14 | Nobelbiocare, Active RP | NATSR300 |
| DSMNTB10 | DSMNTB14 | DIO, SM, Narrow | DSTSN600 |
| DSMRTB10 | DSMRTB14 | DIO, SM, Regular | DSTSR600 |
| MEMTB10 | MEMTB14 | MEGAGEN, EZPlus, Mini | MEMS200 |
| MERTB10 | MERTB14 | MEGAGEN, EZPlus, Regular | MERS200 |
| MEWTB10 | MEWTB14 | MEGAGEN, EZPlus, Wide | MEWS200 |

• A list of products not available in the EU.

# Ti-Base Abutment

· Used for production Ti-Zr custom abutment with CAD/CAM system
· Using SEWONMEDIX official implant library
· Use for production Cement / Screw retained prosthetic abutment
· Fixture level impression

## Mini

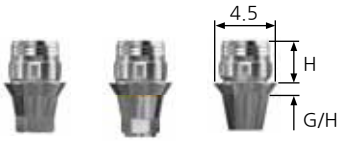



Hex Non-Hex

| | G/H / H | 1.0 | 2.0 |
|---|---|---|---|
| Hex | 3.0 | IHTBM431H | IHTBM432H |
| | 5.0 | IHTBM451H | IHTBM452H |
| Non-Hex | 3.0 | IHTBM431N | IHTBM432N |
| | 5.0 | IHTBM451N | IHTBM452N |

• Ti-Screw code : IHASM, Scan Body : IHTBMSB

## Regular / D-type




Hex D-type Non-Hex

| | G/H / H | 1.0 | 2.0 |
|---|---|---|---|
| Hex | 3.0 | IHTBR431H | IHTBR432H |
| | 5.0 | IHTBR451H | IHTBR452H |
| D-type | 3.0 | IHTBR431D | IHTBR432D |
| | 5.0 | IHTBR451D | IHTBR452D |
| Non-Hex | 3.0 | IHTBR431N | IHTBR432N |
| | 5.0 | IHTBR451N | IHTBR452N |

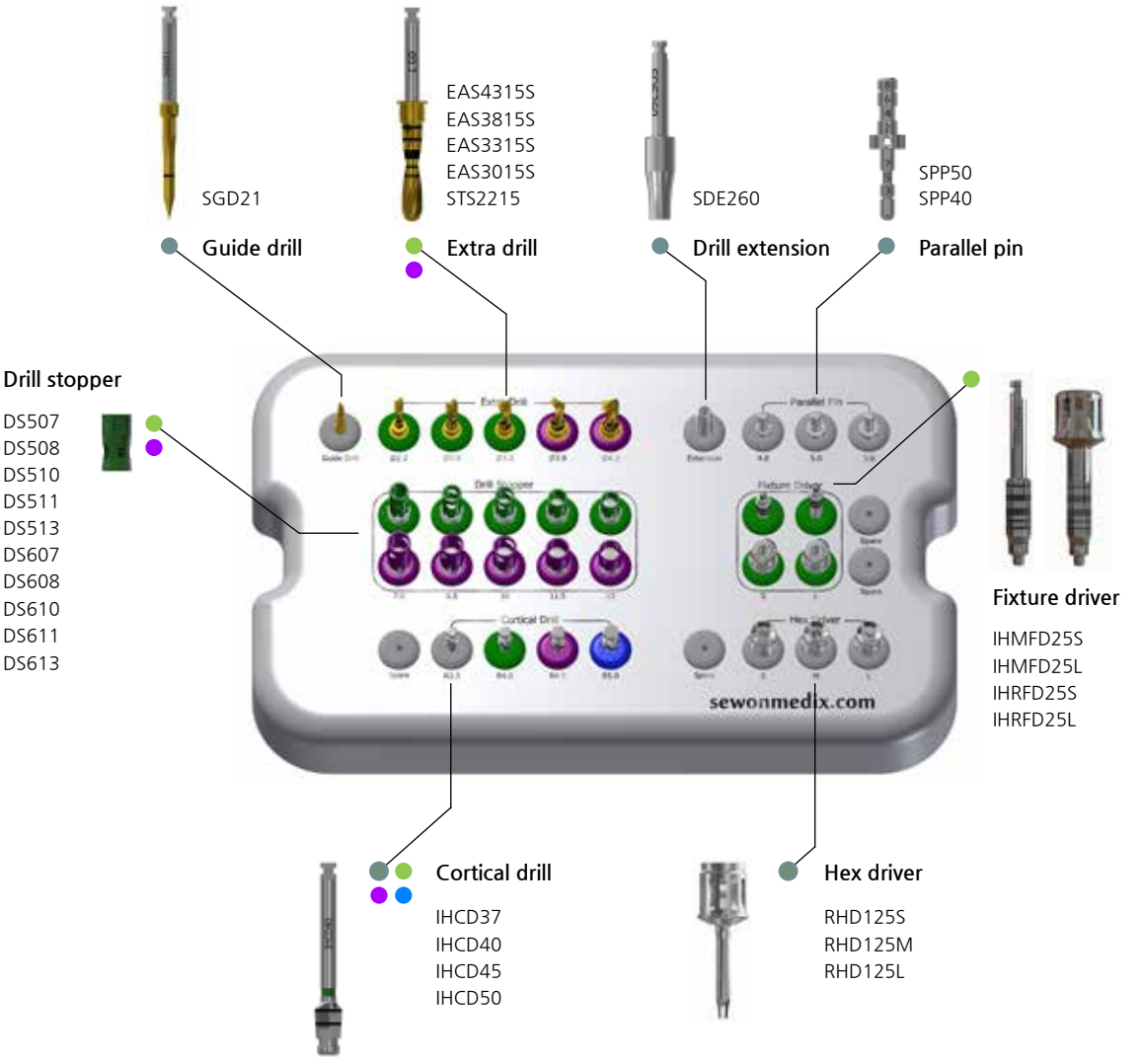
• Ti-Screw code : IHASR, Scan Body : IHTBRSB

• Packing unit : Abutment + Screw + Scan Body_Order code : **A**+Product code(ex : **A**IHTBR431H)
• Tightening torque : Mini-20Ncm, Regular-30Ncm

# SEWON MEDIX IMPLANT SYSTEM


DENTAL IMPLANT SYSTEM
SEWON MEDIX

# Surgical Kit(K5:Built-in Extra drill)

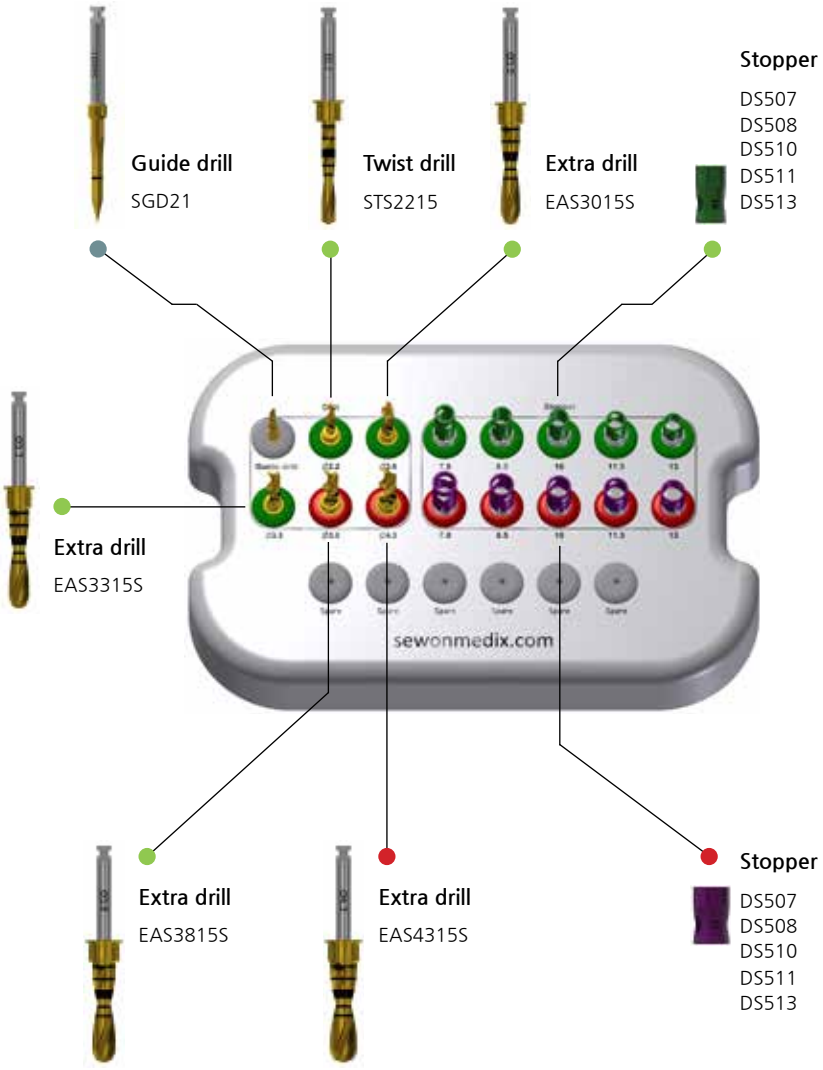



## Base components

**Torque wrench** STW30B

**Depth gauge** SDG

# Stopper drill Kit



# SEWON MEDIX IMPLANT SYSTEM

DENTAL IMPLANT SYSTEM
SEWON MEDIX

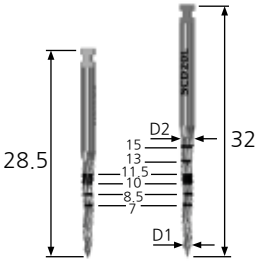
# Surgical Instruments

## Guide Drill


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

· Order code : SGD21

## Sidecut drill




· Correct the angle or position of the osteotomy cutting edge

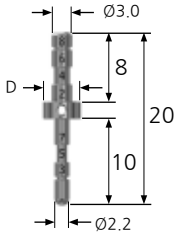
| D1/D2 | Ø1.5 / Ø2.0 | | Ø2.0 / Ø2.5 | |
|---|---|---|---|---|
| Type | Short | Long | Short | Long |
| Code | IHSCD20S | IHSCD20L | IHSCD25S | IHSCD25L |

## Drill extension

· Extends the length of a drill and other tools
· Connect the flat side of the drill handle to the flat side of the drill extension

· Order code : SDE260

## Parallel pin

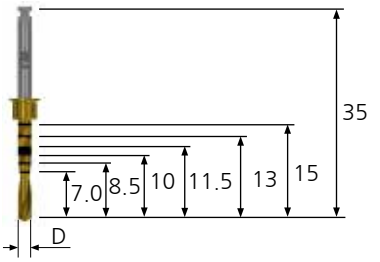



· Confirms drilling direction and location during drilling
· Predicts the diameter of an abutment to be secured

| D | Code |
|---|---|
| Ø4.0 | SPP40 |
| Ø5.0 | SPP50 |

# Surgical Instruments

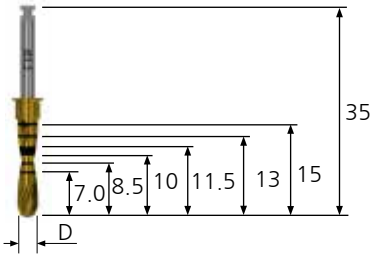
## Twist drill (Initial drill)




· Stopper type straight twist drill
· Tin coating improves anti corrosion and wear resistance

| D | Ø2.2 | Ø2.7 |
|---|---|---|
| Code | STS2215 | STS2715 |

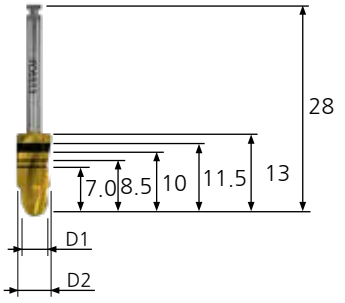
## Extra drill




· Stopper type Extra drill
· Tin coating improves anti corrosion and wear resistance

| D | Ø3.0 | Ø3.3 | Ø3.8 | Ø4.3 |
|---|---|---|---|---|
| Code | EAS3015 | EAS3315 | EAS3815 | EAS4315 |

## Final drill

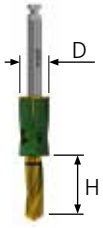



· Final drill: Dual-gear drill that has both pilot drill and twist drill capabilities
· Final drilling can be done right away without pilot drilling
· For Only Ø6.0 Fixture

| D1/D2 | Ø4.3/5.0 | Ø4.3/5.5 |
|---|---|---|
| Code | FD5013 | FD5513 |

# Surgical Instruments

## Drill stopper




| H / D | 7.0 | 8.5 | 10 | 11.5 | 13 | 15 |
|---|---|---|---|---|---|---|
| Ø5.0 | DS507 | DS508 | DS510 | DS511 | DS513 | DS515 |
| Ø6.0 | DS607 | DS608 | DS610 | DS611 | DS613 | DS615 |

· Color : Ø5.0-Green, Ø6.0- Purple

## Pilot drill


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

| Code | SPD30 | SPD33 | SPD38 | SPD43 |
|---|---|---|---|---|
| D1 | Ø2.2 | Ø2.2 | Ø3.0 | Ø3.0 |
| D2 | Ø3.0 | Ø3.3 | Ø3.8 | Ø4.3 |

## Cortical drill

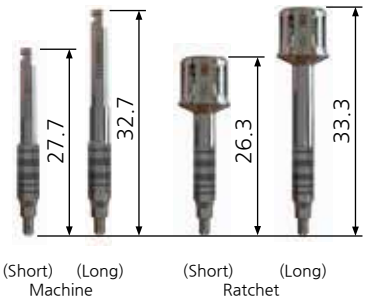
· Use after forming straight drill hole in normal & hard bone
· The color of drill handle part means the diameter and kind of main
main mixture to be used
- Yellow : M3.5, Gray : R3.5, Green : R4.0, Purple : R4.5, Blue : R5.0, Red : R6.0

| Fixture | M3.5 | R3.5 | R4.0 | R4.5 | R5.0 | R6.0 |
|---|---|---|---|---|---|---|
| Code | IHCD35 | IHCD37 | IHCD40 | IHCD45 | IHCD50 | IHCD60 |

# Surgical Instruments

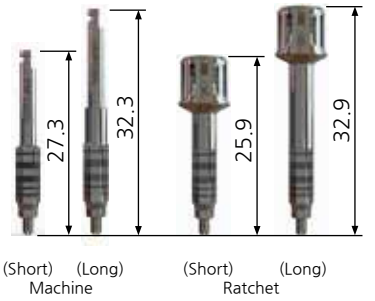
## Fixture driver

### Mini(Ø3.5)



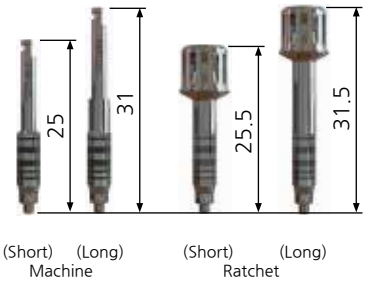

| | Machine | | Ratchet | |
|---|---|---|---|---|
| Type | Short | Long | Short | Long |
| Code | IHMFD21S | IHMFD21L | IHRFD21S | IHRFD21L |

### Regular(Ø3.5)




| | Machine | | Ratchet | |
|---|---|---|---|---|
| Type | Short | Long | Short | Long |
| Code | IHMFD25RS | IHMFD25RL | IHRFD25RS | IHRFD25RL |

### Regular(Ø4.0~6.0)



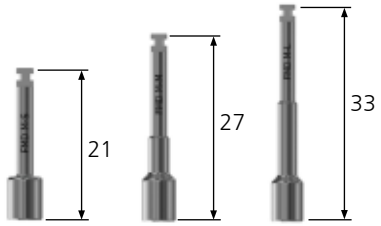

| | Machine | | Ratchet | |
|---|---|---|---|---|
| Type | Short | Long | Short | Long |
| Code | IHMFD25S | IHMFD25L | IHRFD25S | IHRFD25L |

· Enable to place fixture without mount
· To enable the simultaneous measurement of gingival height upon treatment, laser marking are indicated at 1mm

· Limited insertion torque : 40Ncm

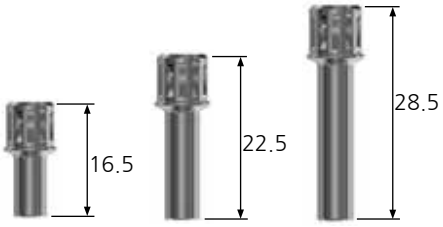
# Surgical Instruments

### Mount driver for Machine




| Fixture | Short | Middle | Long |
|---|---|---|---|
| Code | FMDMS | FMDMM | FMDML |

### Mount driver for Ratchet




| Fixture | Short | Middle | Long |
|---|---|---|---|
| Code | FMDRS | FMDRM | FMDRL |

### Open Wrench


- Order code : OW700

Depth gauge


- Use as drilling depth measurement and measurement of gingival height.
- Order code : SDG

# Surgical Instruments

## Torque wrench

Bar type


- Range : 10~30 Ncm
- Used to adjust the implant location or tighten abutment, screw, etc.
- Apply torque after pulling bar to the line indicating torque value to be applied.
- Bar type order code : STW30B / STW50B / STW80B

Spring type

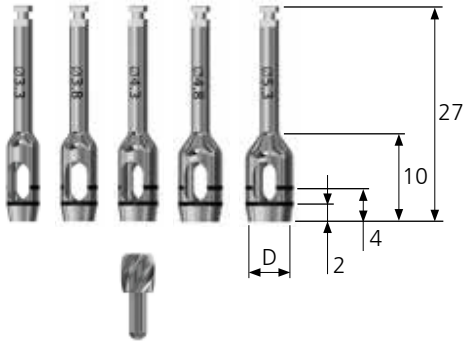

- Range : 10~30 Ncm
- Used to adjust the implant location or tighten abutment, screw, etc.
- Can recognize the bending of the neck park of torque wrench when set torque is applied.
- If force is continuously applied when the neck of torque wrench is bent, excessive torque is applied and there can be a screw fracture issue.
- Spring type order code : STW30S

## Ratchet wrench

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

# Surgical Instruments

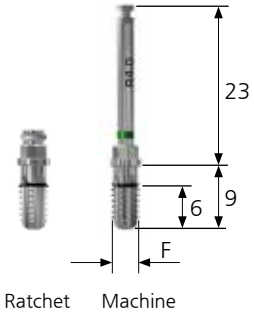
## Tissue punch




· Tool used for flapless surgery procedure
· Laser marking at 2mm interval, easily measures gingiva height
· Packing unit : Tissue punch + Guide pin
· Recommend using use tissue punch with a 0.7~1.5mm smaller diameter than the healing abutment

| D | Ø3.3 | Ø3.8 | Ø4.3 | Ø4.8 | Ø5.3 |
|---|---|---|---|---|---|
| Code | STP33 | STP38 | STP43 | STP48 | STP53 |

## Surgical Tap

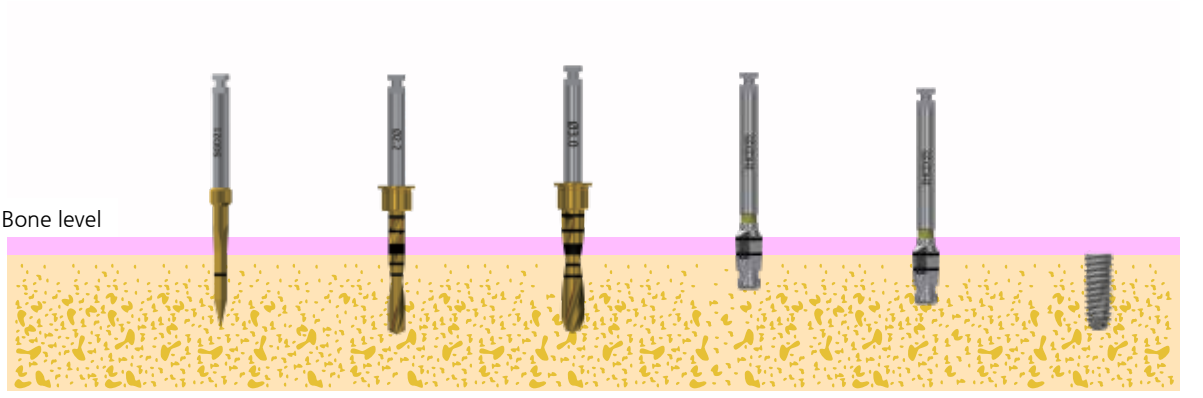



· For Only SEWONMEDIX IH2 Fixture
· Used in hard bone, it forms the thread shape of the fixture
· Use the torque wrench after installing a mount driver for ratchet
· When using the engine, Recommended speed : 25rpm
· Recommend tapping to the marking line lower
· F=Fixture

| Type \ F | M3.5 | R3.5 | R4.0 | R4.5 | R5.0 | R6.0 |
|---|---|---|---|---|---|---|
| Machine | IHFTM35 | IHFTM37 | IHFTM40 | IHFTM45 | IHFTM50 | IHFTM60 |
| Ratchet | IHFTR35 | IHFTR37 | IHFTR40 | IHFTR45 | IHFTR50 | IHFTR60 |

# Drilling sequence - Extra drill

## Mini/Regular Ø3.5mm Fixture(Length : 10.0mm)




| Bone quality | Guide drill | Ø2.2 Twist Drill | Ø3.0 Extra drill | Cortical drill (IHCD35 or IHCD37) | Fixture (Ø3.5x10.0mm) |
|---|---|---|---|---|---|
| Soft | ● | ● | ● | | Implant placement |
| Normal | ● | ● | ● | ○ | |
| Hard | ● | ● | ● | ● | |

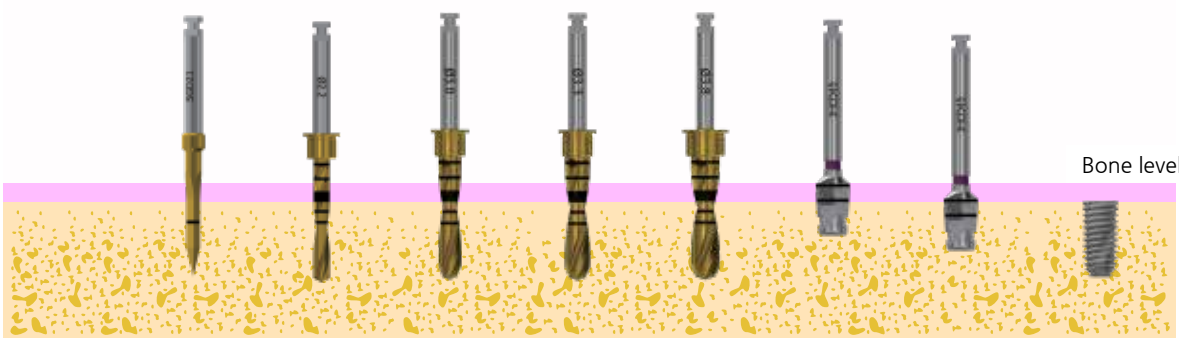
## Ø4.0mm Fixture(Length : 10.0mm)


| Bone quality | Guide drill | Ø2.2 Twist Drill | Ø3.0 Extra drill | Ø3.3 Extra drill | Cortical drill (IHCD40) | Fixture (Ø4.0x10.0mm) |
|---|---|---|---|---|---|---|
| Soft | ● | ● | ● | ● | | Implant placement |
| Normal | ● | ● | ● | ● | ○ | |
| Hard | ● | ● | ● | ● | ● | |

※ ○ : if necessary, use Cortical Drill

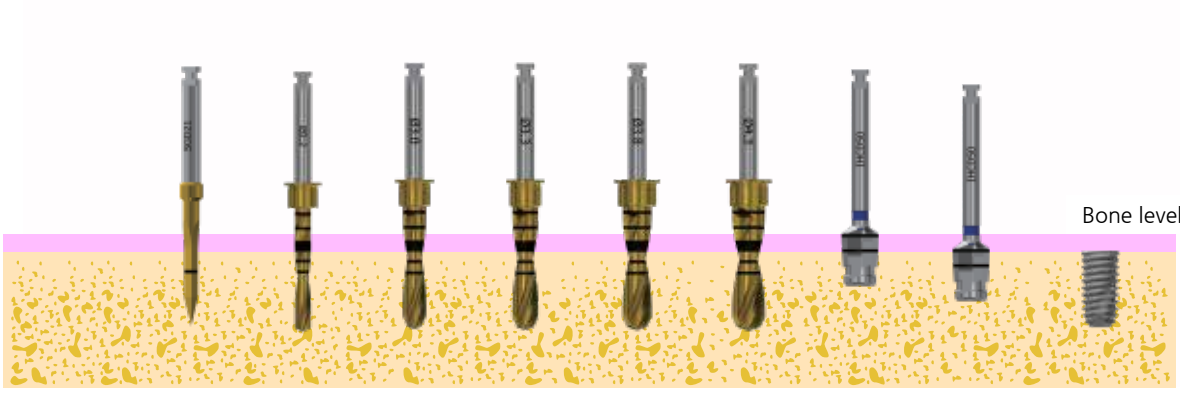
# Drilling sequence - Extra drill

## Ø4.5mm Fixture(Length : 10.0mm)




| Bone quality | Guide drill | Ø2.2 Twist Drill | Ø3.0 Extra drill | Ø3.3 Extra drill | Ø3.8 Extra drill | Cortical drill (IHCD45) | Fixture (Ø4.5x10.0mm) |
|---|---|---|---|---|---|---|---|
| Soft | ● | ● | ● | ● | ● | | Implant placement |
| Normal | ● | ● | ● | ● | ● | ○ | |
| Hard | ● | ● | ● | ● | ● | ● | |

## Ø5.0mm Fixture(Length : 10.0mm)




| Bone quality | Guide drill | Ø2.2 Twist Drill | Ø3.0 Extra drill | Ø3.3 Extra drill | Ø3.8 Extra drill | Ø4.3 Extra drill | Cortical drill (IHCD50) | Fixture (Ø5.0x10.0mm) |
|---|---|---|---|---|---|---|---|---|
| Soft | ● | ● | ● | ● | ● | ● | | Implant placement |
| Normal | ● | ● | ● | ● | ● | ● | ○ | |
| Hard | ● | ● | ● | ● | ● | ● | ● | |

※ ○ : if necessary, use Cortical Drill

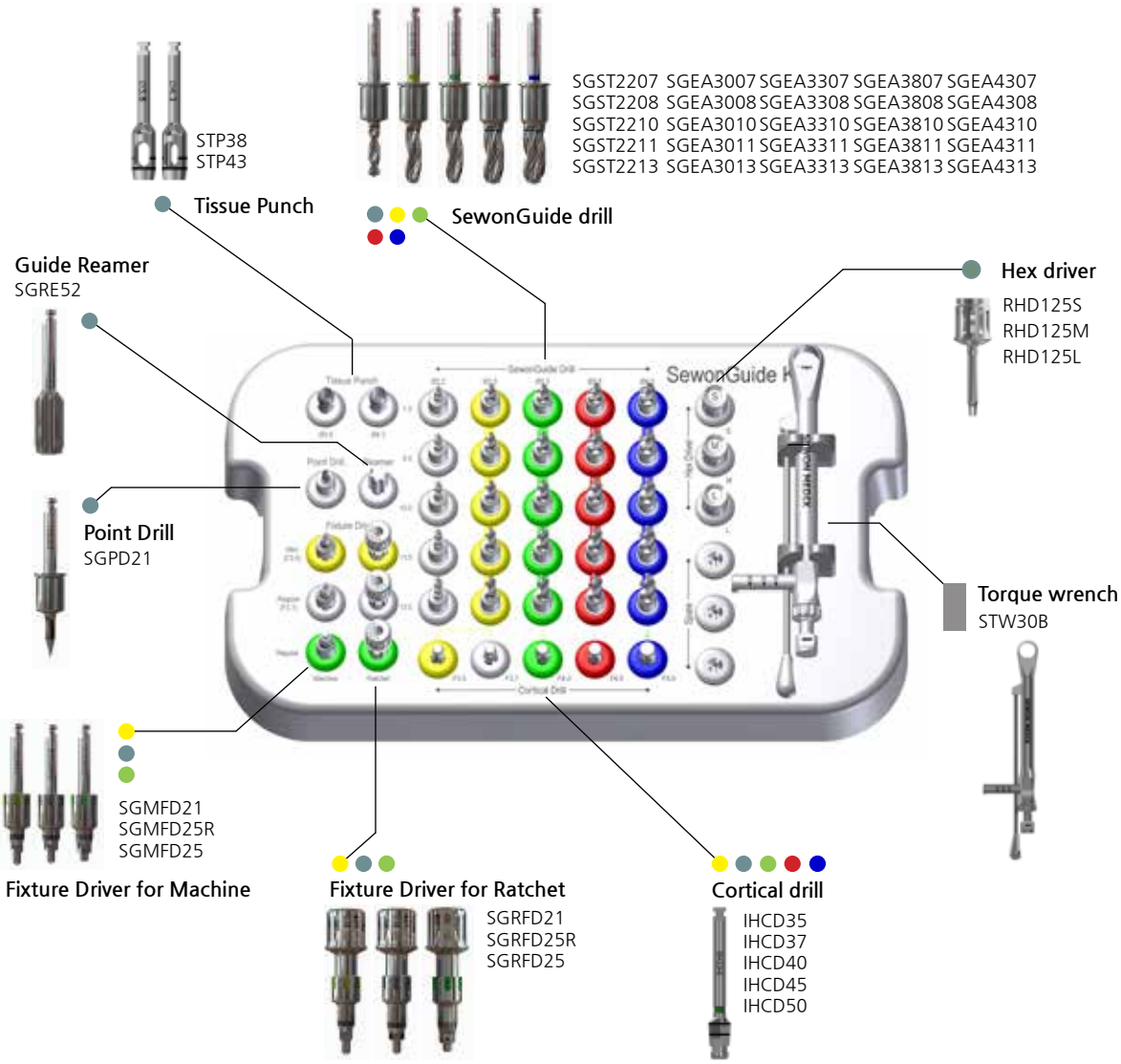
# Drilling sequence - Extra drill

Ø6.0mm Fixture(Length : 10.0mm)


| Bone quality | Guide drill | Ø2.2 Twist Drill | Pilot drill (2.2/3.0) | Ø3.0 Extra Drill | Pilot drill (3.0/3.8) | Ø3.8 Extra Drill | Ø4.3 Extra Drill | Ø5.0 Final Drill | Ø5.5 Final Drill | Cortical drill (IHCD45) | Fixture (Ø6.0x10mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Soft | ● | ● | ● | ● | ● | ● | ● | ● | | | Implant placement |
| Normal | ● | ● | ● | ● | ● | ● | ● | | ● | ○ | |
| Hard | ● | ● | ● | ● | ● | ● | ● | | ● | | ● |

※ ○ : if necessary, use Cortical Drill

# SewonGuide Kit(SGK5B)



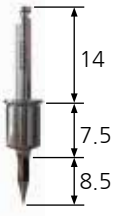

## Base components

**Open Wrench** OW700

**Depth gauge** SDG

# SewonGuide Kit Components

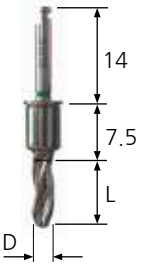
## SewonGuide Point Drill




· Forms holes in the bone to facilitate initial drilling
· Bone density can be determined through drilling

· Order Code : SGPD21

## SewonGuide Twist Drill

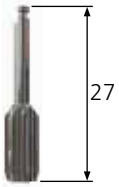



· Extra Drill for digital guide
· Stable drilling without shaking
· Fixture implantation down to 1mm below the bone level
· Use of the cortical drill in the hard bone surgery
· Configure drill by fixture length
(F3.5~F5.0, 7~13mm Fixture Implantation)

| L \ D | Ø2.2 | Ø3.0 | Ø3.3 | Ø3.8 | Ø4.3 |
|---|---|---|---|---|---|
| 7 | SGST2207 | SGEA3007 | SGEA3307 | SGEA3807 | SGEA4307 |
| 8.5 | SGST2208 | SGEA3008 | SGEA3308 | SGEA3808 | SGEA4308 |
| 10 | SGST2210 | SGEA3010 | SGEA3310 | SGEA3810 | SGEA4310 |
| 11.5 | SGST2211 | SGEA3011 | SGEA3311 | SGEA3811 | SGEA4311 |
| 13 | SGST2213 | SGEA3013 | SGEA3313 | SGEA3813 | SGEA4313 |

# SewonGuide Kit Components

## Guide Reamer




· Re-work the manufactured guide hole to fit the diameter of the sewonguide

· Order Code : SGRE52

## SewonGuide Fixture Driver

Machine type


| Fixture | M3.5 | R3.5 | R4.0~5.0 |
|---|---|---|---|
| Code | SGMFD21 | SGMFD25R | SGMFD25 |

· Use for No mount Fixture implantation
· Demand implantation to 80% of the planned fixture implantation depth

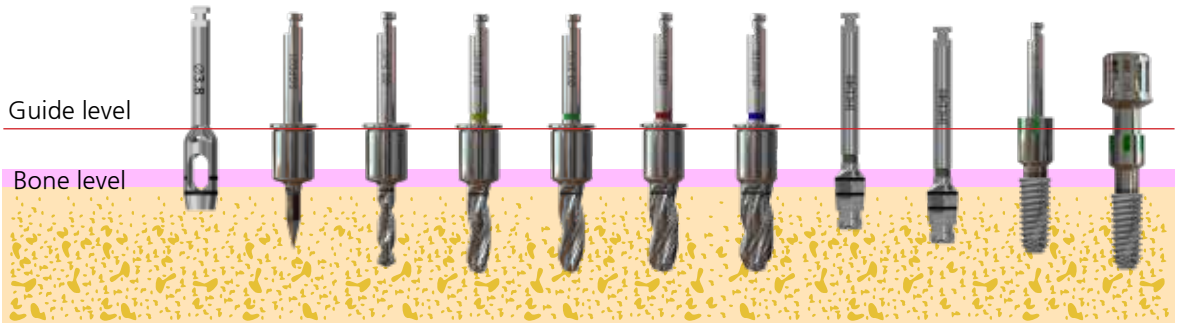
Ratchet type


| Fixture | M3.5 | R3.5 | R4.0~5.0 |
|---|---|---|---|
| Code | SGRFD21 | SGRFD25R | SGRFD25 |

· After use of machine fixture driver, fixture final a implantation
· Used by tightening wrench to adjust final implantation
· Create the groove in order to match up the Abutment Hex direction
· Final confirm by matching the guide & driver groove

# Drilling sequence - SewonGuide drill

(Length : 10.0mm)




| Fixture diameter | Bone quality | Tissue Punch | Point Drill | Guide Drill(Ø2.2) | Guide Drill(Ø3.0) | Guide Drill(Ø3.3) | Guide Drill(Ø3.8) | Guide Drill(Ø4.3) | Cortical Drill | | Fixture Driver for Machine | Fixture Driver for Ratchet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F3.5 (Mini, Regular) | Soft | ● | ● | ● | ● | | | | | | ● | ● |
| | Normal | ● | ● | ● | ● | | | | ○ | | ● | ● |
| | Hard | ● | ● | ● | ● | | | | | ● | ● | ● |
| F4.0 | Soft | ● | ● | ● | ● | ● | | | | | ● | ● |
| | Normal | ● | ● | ● | ● | ● | | | ○ | | ● | ● |
| | Hard | ● | ● | ● | ● | ● | | | | ● | ● | ● |
| F4.5 | Soft | ● | ● | ● | ● | ● | ● | | | | ● | ● |
| | Normal | ● | ● | ● | ● | ● | ● | | ○ | | ● | ● |
| | Hard | ● | ● | ● | ● | ● | ● | | | ● | ● | ● |
| F5.0 | Soft | ● | ● | ● | ● | ● | ● | ● | | | ● | ● |
| | Normal | ● | ● | ● | ● | ● | ● | ● | ○ | | ● | ● |
| | Hard | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● |

※ ○ : if necessary, use Cortical Drill

# Expander Kit (SEPK3B)

**Bone Trimmer**

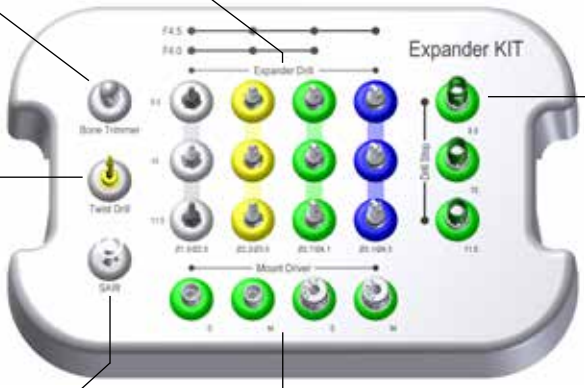
SBT50

**Expander drill**

SEP162808 SEP223608 SEP274108 SEP314508
SEP162810 SEP223610 SEP274110 SEP314510
SEP162811 SEP223611 SEP274111 SEP314511

**Twist drill**

STS1815




**Drill Stopper**

DS508
DS510
DS511

**Saw**

SSAW70

**Mount Driver**

FMDMS
FMDML
FMDRS
FMDRL

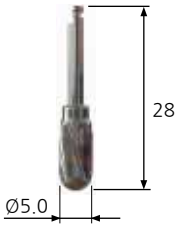
## Base components

**Open Wrench** OW700

**Torque Wrench** STW30B

# Expander Kit Instruments

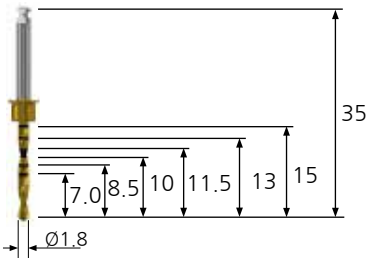
## Bone Trimmer




· Horizontal modification of the crest bone
· Recommended speed : 1,200~1,500rpm

· Order Code : SBT50

## Twist Drill




· Implantation position Marking
· Control the depth of fixture implantation by drill stop
· Recommended speed : 1,200 ~ 1,500rpm

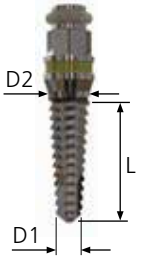
· Order Code : STS1815

## Saw


· For ridge modification and splitting
· Cut vertically and incise the whole part from mesial → distal direction
· Recommended speed : 1,200~1,500rpm

· Order Code : SSAW70

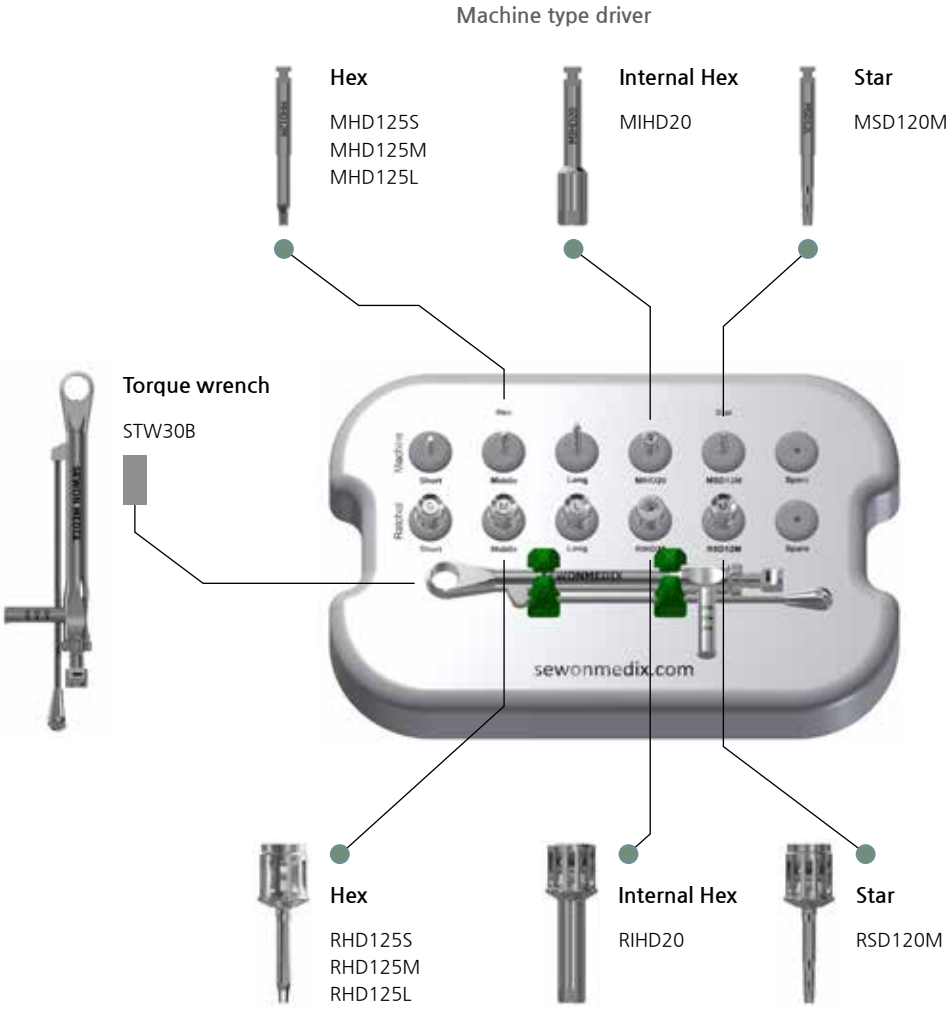
## Expander Drill



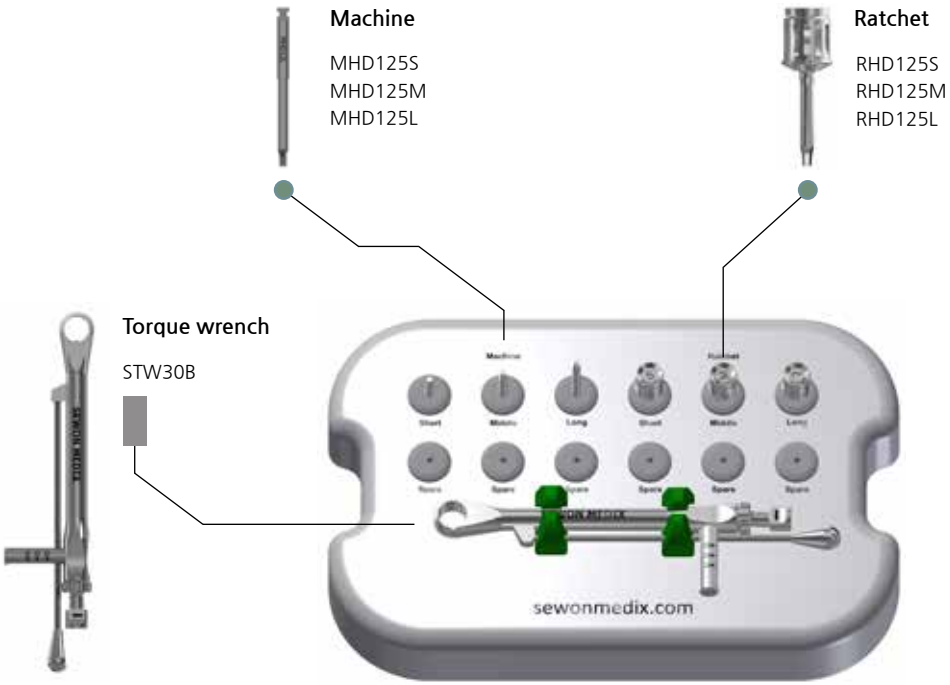

· Incisional bone width expand
· Gradually expands bone width
· Recommended speed : 25~35rpm

| L \ D1/D2 | Ø1.6/2.8 | Ø2.2/3.6 | Ø2.7/4.1 | Ø3.1/4.5 |
|---|---|---|---|---|
| 8.5 | SEP162808 | SEP223608 | SEP274108 | SEP314508 |
| 10 | SEP162810 | SEP223610 | SEP274110 | SEP314510 |
| 11.5 | SEP162811 | SEP223611 | SEP274111 | SEP314511 |

# Prosthetics Kit(PK5B)

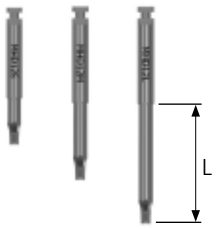


# Prosthetic Kit(PK125B)



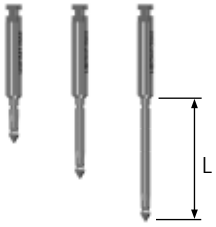
# Prosthetic Instruments

### Screw driver for Machine




| Type \ L | 6.0mm | 12.0mm | 18.0mm |
|---|---|---|---|
| Hex 1.20 | MHD120S | MHD120M | MHD120L |
| Hex 1.23 | MHD123S | MHD123M | MHD123L |
| Hex 1.25 | MHD125S | MHD125M | MHD125L |
| Hex 1.28 | MHD128S | MHD128M | MHD128L |
| Star 1.20 | MSD120S | MSD120M | MSD120L |

### Screw driver for Machine - Ball type



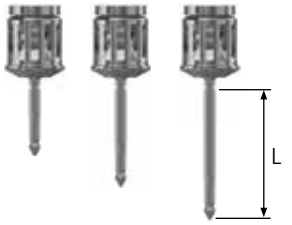

| Type \ L | 6.0mm | 12.0mm | 18.0mm |
|---|---|---|---|
| Hex 1.20 | HBDM120S | HBDM120M | HBDM120L |
| Hex 1.23 | HBDM123S | HBDM123M | HBDM123L |
| Hex 1.25 | HBDM125S | HBDM125M | HBDM125L |
| Hex 1.28 | HBDM128S | HBDM128M | HBDM128L |
| Star 1.20 | SBDM120S | SBDM120M | SBDM120L |

# Prosthetic Instruments

## Screw driver for Ratchet


| Type \ L | 6.0mm | 12.0mm | 18.0mm |
|---|---|---|---|
| Hex 1.20 | RHD120S | RHD120M | RHD120L |
| Hex 1.23 | RHD123S | RHD123M | RHD123L |
| Hex 1.25 | RHD125S | RHD125M | RHD125L |
| Hex 1.28 | RHD128S | RHD128M | RHD128L |
| Star 1.20 | RSD120S | RSD120M | RSD120L |

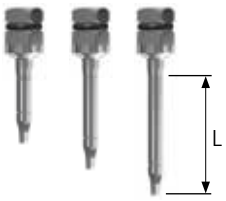
## Screw driver for Ratchet - Ball type




| Type \ L | 10.0mm | 14.0mm | 18.0mm |
|---|---|---|---|
| Hex 1.20 | HBDR120S | HBDR120M | HBDR120L |
| Hex 1.23 | HBDR123S | HBDR123M | HBDR123L |
| Hex 1.25 | HBDR125S | HBDR125M | HBDR125L |
| Hex 1.28 | HBDR128S | HBDR128M | HBDR128L |
| Star 1.20 | SBDR120S | SBDR120M | SBDR120L |

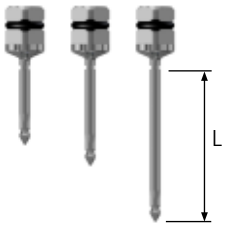
# Prosthetic Instruments

## Screw driver for Square




| Type \ L | 6.0mm | 12.0mm | 18.0mm |
|---|---|---|---|
| Hex 1.20 | SHD120S | SHD120M | SHD120L |
| Hex 1.23 | SHD123S | SHD123M | SHD123L |
| Hex 1.25 | SHD125S | SHD125M | SHD125L |
| Hex 1.28 | SHD128S | SHD128M | SHD128L |
| Star 1.20 | SSD120S | SSD120M | SSD120L |

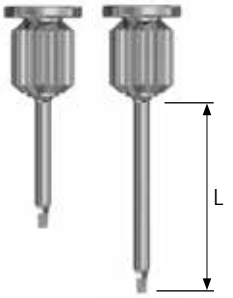
## Screw driver for Square - Ball type




| Type \ L | 10.2mm | 14.2mm | 18.2mm |
|---|---|---|---|
| Hex 1.20 | HBDS120S | HBDS120M | HBDS120L |
| Hex 1.23 | HBDS123S | HBDS123M | HBDS123L |
| Hex 1.25 | HBDS125S | HBDS125M | HBDS125L |
| Hex 1.28 | HBDS128S | HBDS128M | HBDS128L |
| Star 1.20 | SBDS120S | SBDS120M | SBDS120L |

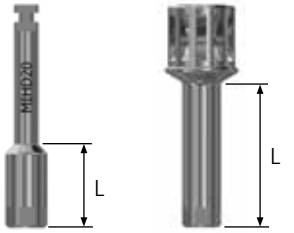
# Prosthetic Instruments

## Hand driver




| Type \ L | 16.6mm | 20.6mm | 24.6mm |
|---|---|---|---|
| Hex 1.20 | SDH120S | SDH120M | SDH120L |
| Hex 1.23 | SDH123S | SDH123M | SDH123L |
| Hex 1.25 | SDH125S | SDH125M | SDH125L |
| Hex 1.28 | SDH128S | SDH128M | SDH28L |
| Star 1.20 | SDHS120S | SDHS120M | SDHS120L |

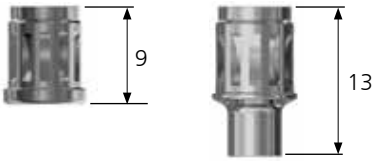
## **Internal hex driver** (for Multi-unit abutment)




For Machine For Ratchet

| Type \ L | 9.0mm | 15.0mm |
|---|---|---|
| Machine | MIHD20S | MIHD20L |
| Ratchet | RIHD20S | RIHD20L |

## Driver connector




For Square For Machine

| Type | For Square | For Machine |
|---|---|---|
| Code | DCS100 | DCM120 |

# Appendices

# Precautions for use & Warnings

## Precautions for use

• The hand-piece should be moved vertically up and down during bone drilling. (pumping).

• Saline solution must be applied during bone drilling in order to reduce frictional heat generated from bone drilling.

• Laser marking is a dimension indication line, and the bottom of laser marking is the standard. For laser marking of all drills, the 11.5mm and 13mm levels are marked in bold line.

• The drill and the driver are recommended to be used for 50 times respectively. The maximum allowable torque is 20Ncm for mini size abutment and 30Ncm for regular size abutment.

• If the drill or the driver is used exceeding the recommend number of use, implant failure may occur due to loss of product function caused by abrasion and fracture of the driver, or due to bone heating caused by declined cutting force of drill. Please, follow the recommendations.

• The dental practitioner should properly determine the bone condition of the patient and apply appropriate cutting speed.

• The length of drill stopper means the remained actual length of twist drill when the drill stopper is installed on drill.

• Small instruments should be fixed with a wire before use because they may be moved into the throat during the procedure.

• Please, immediately detach and clean all the instruments used for the procedure. Store them at the room temperature after drying them.

• Do not keep instruments in a place where the risk of infection exists.

• This product is a medical device and must be sterilized in an autoclave before use.

• Do not use hydrogen peroxide, which is generally used as a disinfecting and cleaning agent, since TiN coating, laser marking, and color coding may be damaged or discolored.

• The warranty period of this product is one year from the date of purchase.

## Warnings

For safe and effective use of the SEWONMEDIX implant system, we strongly recommend that dental implant procedures be performed by a person who has completed professional training courses because such procedures are highly specialized and complicated. Improper patient selection and technique may result in implant failure or bone loss. The SEWONMEDIX implant system should be used, following only the described instructions for use. Any arbitrary change in using methods is not accepted for dental implants. Do not use an electro-surgical instrument or laser around the fixture or abutment because an electro shock may occur. Implant mobility, bone resorption and chronic infection mean implant failure. If an implant is infected by a patient's body fluid for one cause or another, the implant cannot be used for another patient.

# Surgical KIT Maintenance

## • Methods of cleaning and sterilization

Instruments must be cleaned and sterilized before re-use. Please, observe the following instructions.

### 〈 Cleaning 〉

- Remove the contaminants (skin tissue, blood, bone chips etc.) remaining on the instrument used for the procedure.
- Submerge the instrument for 10 minutes in alkaline cleaning solution or other similar cleaning solution.
- Then, remove all visible contaminants with a soft brush.
- Use distilled water to completely wash the remaining cleaning solution on the surface of the instrument.
- Place the instrument into the cleaning container in an ultrasonic cleaner and fill it with water.
- Perform ultrasonic cleaning at the room temperature for 10 minutes.
- Wipe the washed instrument with a non-abrasive cloth and then keep it in a dry place.

### 〈 Sterilization 〉

- Sterilize non-sterile instruments in an autoclave before use.
- Sterilize the instruments in an autoclave (for 15 minutes at 132 °C) and then dry for 30 minutes.
- Store the sterilized instruments in a clean environment between 10°C and 30°C.

# Instructions for use

**SEWON MEDIX IMPLANT SYSTEM_IH SYSTEM**
Version 4.0 / Date : July 2018
Information regarding the use of fixtures, abutments, prosthetic components and surgical instruments

**Description of the system**
SEWONMEDIX products are dental implants and materials are as follows.

| Classification | Material |
|---|---|
| Fixture ····· | Titanium |
| Abutment ····· | Titanium, CCM(Cr-Co-Mo) |
| Prosthetic material and surgical instruments ····· | Titanium, Stainless steel, Polymer |

See our product catalog/home page (www.sewonmedix.com) for detailed information on each product.
For product code, specification, date of manufacture, and expiry date, see the label attached to the product.

**Indication for Use**
The SEWONMEDIX IMPLANT SYSTEM is designed for dental implant surgery; it is placed on the maxillary or mandibular alveolar bone through a surgical operation, and after osseointegration with the alveolar bone, it can replace a lost tooth by connecting the abutment post. The SEWONMEDIX IMPLANT SYSTEM is indicated for use in partially or fully edentulous mandibles and maxillae, in support of single or multiple-unit restorations including: cemented retained, screw retained, or overdenture restorations, and final or temporary abutment support for fixed bridgework. The abutment is intended for use with a dental implant fixture to provide support for prosthetic restorations such as crown, bridge, or overdenture.
**1.Selection criteria/indications**
Analysis of local and systemic contraindications, "Normal" wound healing capacity, effective oral hygiene/healthy remaining teeth, growth of maxilla and mandible complete, good general medical condition, adequate supply of healthy jaw bone.
**2.Local examination**
Anatomy of the alveolar ridge, intermaxillary relationships, deep bite, quality and thickness of the mucosa, study models and bite registration on the articulator, radiographic findings.

**Use of the SEWONMEDIX system**

**1. Preparations before use**

① The dentist should be fully aware of the product and the procedure and should explain the limits of implants to the patient prior to use. And the patient should clearly understand the implant's functionality and its aesthetic limits.
② Selecting and fixing a proper implant is an important factor affecting the lifespan of the implant, so it is required to strictly follow indications, contraindications, precautions and warnings.
③ Thoroughly examine the condition of the patient before procedure and prepare a procedural planning for the patient. Failure to do it may lead to implant loss.
④ Read X-ray pictures well and make the right choice of the product for the patient.
⑤ Check the packaged condition of the product and expiry date and also check the product for damage.
⑥ The product is supplied "sterile". Do not use the product if the packaging has been previously opened or broken.
⑦ Contamination of a surgical instrument may lead to implant loss, so check if surgical instruments are kept in a clean condition.
**2. Directions for use**
Please use the product according to general implant procedure guides.
**〈Fixture〉**
① Take an X-ray picture and choose an implant site.
② Make an incision in the gum with a scalpel at the chosen site.
③ If the bone is exposed, position the implant at the implant site using a guide drill.
④ Use an initial drill to drill an initial hole to fit the length of the fixture at the site. The depth of the drilled hole can be measured by a depth gauge.
⑤ After the Initial Drill is used, select a middle drill and a final drill based on the diameter of the fixture to conduct drilling.
⑥ The dentist should select the final drill to fit the diameter of the fixture to be implanted based on the patient's bone quality, and should conduct drilling with proper rotational speed maintained.
⑦ Check if the implant inside the ampoule is properly connected with the Machine Fixture Driver suitable for each product. After ensuring the fit, remove the implant carefully from the ampoule and implant it in a selected position by rotating in a clockwise direction. At this time, please make sure that implantation torque above 50Ncm should not be applied.
⑧ After implantation is completed, connect the cover screw to the implant with less than 15Ncm torque and then suture the surgical site to protect the implant.
⑨ After the implantation, the patient should avoid drinking alcohol and smoking and should maintain good oral hygiene in order to prevent contamination and infection.
⑩ Allow three to six month healing time depending on the patient, and then the dental practitioner should check for osseointegration and decide to conduct the prosthetic procedure.
**〈Abutment〉**
① Take an impression after soft tissue is healed. (It is possible immediately after the healing abutment removal in the case of One Stage Surgery.)
② Make the right type and size of abutment by comparing the radiograph with the taken impression and by considering adjoining teeth.
③ Non-sterile products should be sterilized in an autoclave at 132℃ for at least 15 minutes, and then allow a drying time of more than 15 minutes.
④ Connect the chosen abutment to the fixture in the mouth.
⑤ Take an impression at either fixture level or at abutment level in order to manufacture the final prosthesis.
⑥ In the case of cement-retained prosthesis, use a hard finishing plaster to do a wax-up on the abutment, and manufacture the prosthesis.
⑦ Attach the final prosthesis to the implant or the abutment in the mouth and connect it to the fixture and then check the occlusion

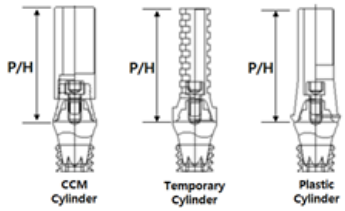
# Instructions for use

between the upper and lower jaws.
⑧ Recommended tightening torque in tightening abutment screws is as follows.

| Classification | Recommended torque |
|---|---|
| Cylinder Screw | 20N·cm |
| Abutment Screw (Mini) | 20N·cm |
| Abutment Screw (Regular) | 30N·cm |
| Temporary Abutment | 20N·cm |

**Modification or Customization of Abutment**
The Abutment may be modified if required due to the patient's anatomy. And IH Temporary Abutment and IH FreeMilling Abutment are designed especially for patient-specific customization.
IH Temporary Abutment is temporarily used until final prosthesis is made to maintain esthetic appreciation. The minimum post height of the IH Temporary Abutment is 4mm. The post diameter, wall thickness of the IH Temporary Abutment cannot be modified. There is no angular correction for the IH Temporary Abutment.
The minimum post height of the IH Free Milling Abutment is 4mm and the minimum post diameter is 0.4mm. The wall thickness can be modified up to 0.2mm. There is no angular correction for the IH FreeMilling Abutment.
IH Temporary Abutment and IH FreeMilling Abutment are modified by hand-milling.

**Multi-unit loaded Restorations**
Non-Hex types of all IH Abutments are intended for multi-unit loaded restorations. Solid Abutment, Cement Abutment (Non-Hex type), IH Angled Abutment(Non-Hex type), IH Temporary Abutment(Non-Hex type), Multi-unit Abutment and FreeMilling Abutment(Non-Hex type) are intended for multi-unit restorations. IH Multi-unit Abutment can be used for single-unit loaded restoration when it is combined with Multi-unit Cylinder. The minimum post height of the IH Multi-unit Abutment combined with Multi-unit Cylinder is to be at least 4mm. (No angular correction)




Post Height : 12mm 12mm 12mm

**Precautions for use**
**1.Contraindications**
Placement of dental implant may be contraindicated based on patient's medical condition.

The dental implant should not be used for the following patients:
① Patients with a history of heart failure or artery hardening;
② Uncooperative patients or patients with mental or physical disorder which may result in unstable implant, failure to fix the implant or complications in management after operation;
③ Patients with the problem in bone remodeling, microcirculation or blood clotting function;
④ Pregnant patients; and
⑤ Patients with high blood pressure or diabetes mellitus.
⑥ Patients with bone disease(osteoporosis, osteomalacia) or Bone metabolism disorders.

**2. Procedural precautions of surgery**
① When the dental practitioner places the final prosthesis in the patient's mouth, he or she must check osseointegration of the implanted fixture by using radiographs, the stability testing machine and percussion test.
② Torque within the specified torque range should be applied in tightening abutment screws. If a screw is tightened beyond the torque range, it may cause damage to the driver and the function part and also cause screw fracture. Also, tightening torque less than the torque range may lead to loosening. Thus, recommended tightening torque described in Directions for Use section must be followed.
③ In connecting the screw to the fixture, special attention should be paid not to apply excessive force until tightening of the first screw thread is confirmed when the screw is exactly in line with tightening direction. If the tightening of the first screw thread is not smooth, it may lead to damage to the fixture and the screw thread of the abutment, causing product damage or tightening failure.
④ Prosthesis should be designed in such a way that masticatory force is not applied excessively leaning to one side. If not, fracture of prosthesis due to stress concentration may be caused.

**3. Warnings**
① Improper technique in either implant placement or restoration can result in implant failure and substantial loss of surrounding bone. So, implants should be used by trained and experienced dentists.
② Implants must not be used again and they should be applied based on their original purposes.
③ If the implant is damaged or improperly handled, it should be removed.
④ If the implant is improperly chosen or if the implant site is improper and fixed condition is unstable, the lifespan of the implant may be reduced.
⑤ Defected products should be returned.
⑥ Special attention should be paid in handling implants to prevent implant damage or deformation.

**4. Procedural Precautions of Restoration**
Allow sufficient healing period for osseointegration to occur after implantation. The dental practitioner should closely monitor patients and decide to move to the next step. Excessive pressure including chewing pressure should not be applied to the dental fixture during the healing period.

**5. Potential unfavorable consequences**
Potential unfavorable consequences associated with the use of dental implants may include:
① Dehiscence of bone, delayed healing, swelling;
② Hematoma, infection, and inflammation; and
③ General hypersensitivity etc.

**6. Side Effect**
① Implant surgical procedure may accompany with risk such as swelling of certain parts, tear and opening of tissues, temporary

# Instructions for use

hightened sensations, edema, embolism, bleeding etc.
② Loss of sensation on lower lip, surgical side effects on jaw during mandibular surgery, and nose and surrounding tissue during maxillary surgery may result from the operations. Most of symptoms are expected to be temporary though permanent paralysis may be resulted.
③ Necrosis of mucosa of gingiva (gum tissue), and infections on cell tissue may occur. However, these are common with localized treatment.

**7. Adverse Effect**

① Low stability during early stage, failure of osseointegration, and inappropriate prosthodontics may occur even after the surgery.
② Low quantity and quality of reaming bone, poor oral hygienic by patients, lack of cooperation by patients, and metabolic diseases such as diabetes may cause the reason for failure in some patients.

**• Handling & Storage**

The product is intended only for single use. It must not be re-used.

Keep the product in a dry place at room temperature. Keep away from direct sunlight.

***Cleaning & Sterilization Information**

- IH Prosthetic System

The prosthetic components supplied non-sterile should be performed following user sterilization method provided by SewonMedix Inc. Remove the prosthetic components from packaging prior to sterilization. We recommend the product to be sterilized with moist heat sterilization using he gravity displacement autoclave for 15 minutes at temperatures 132 ℃ (269.6 ℉) and to be dried for 15 minutes. FDA-cleared accessories (e.g., pouch, wrap, tray) are to be used during the sterilization of the prosthetic components. The recommended sterilization parameters listed above have been validated to a SAL of $10^{-6}$ in accordance with a FDA-recognized standards such as ISO 17665 using bioburden sterilization method. After using the surgical instruments, select a suitable method of cleaning that removes all visible contamination from the product and distilled water. All non-sterile components of this system MUST be sterilized prior to use.

## OVERDENTURE COMPONENTS

Version 1.0 / Date : September 2018

**SEWON MEDIX IMPLANT SYSTEM**

Information regarding the use accessories of the attachment for dentures.

**Device description and indications for use**

The LT/BT Plastic Sockets are retentive elastic components for the construction of over-dentures attachments.
The ANALOG, IMPRESSION, BLOCK OUT SPACER line is composed by prefabricated accessories for the correct use of the attachment for dentures.
The Ti-CAP is prefabricated for the construction of removable prostheses.

**Contraindications**

At the present state of knowledge there are no contraindications to the use of the LT/BT Plastic socket, Ti-CAP, ANALOGS, IMPRESSIONS, BLOCK OUT SPACER; at the date of emission of these instructions for use no undesirable side effects have been reported.

**Caution**

The choice of the attachment is demanded to the dentist or to the dental technician according to the prosthetic project.

**Material**

All the materials used for the LT/BT PLASTIC SOCKET, Ti-CAP, ANALOG, IMPRESSION COPPING, BLOCK OUT SPACER are of quality and meet the international standards of reference. The patient has to inform the dentist about potential allergies. If allergic reactions occur search the source and remove it.

| Classification | Material |
|---|---|
| Plastic socket | Polyamide, POM |
| Ti-Cap | Titanium |
| Prosthetic material and surgical instruments | Stainless steel, POM, Titanium |

**Warnings and single use**

The LT/BT PLASTIC SOCKET, Ti-CAP, ANALOG, IMPRESSION COPPING, BLOCK OUT SPACER are single-use products; their reuse undermines the functionality and may affect the patient's health. Improper use or reuse of LT / BT PLASTIC SOCKET, Ti-CAP, ANALOG, IMPRESSION COPPING, PROTECTIVE DISK are prohibited.

**Transportation, storage and expiration date**

Do not damage the packaging during the transportation; store in a clean, dry place, in the original packaging away from sunlight and heat sources. The product does not expire.

**Washing and sterlization**

The content of the set are sold as NON STERILE; the dentist is required to pack and store the prefabricated metal parts in cleared FDA 510(k) pouches (paper/plastic film) suitable for sterilizing and have to sterilize them before use with the following parameters: steam sterilization with prevacuum cycles at 135°C-3minutes, drying time 16minutes, pressure 2.06 bar. It is recommended to sanitize LT/BT PLASTIC SOCKET, Ti-CAP, ANALOG, IMPRESSION COPPING, BLOCK OUT SPACER with benzalkonium chloride solutions before use. The dentist is responsible of the sterilization.

**Maintenance and periodic care**

Dentists have the responsibility to keep the proper functionality and retention of the attachments assuring the safety of the patient by constant maintenance. In order to maintain the high quality standard offered by the . LT/BT PLASTIC SOCKET, Ti-CAP, ANALOG, IMPRESSION COPPING, BLOCK OUT SPACER we recommend the substitution of the retentive elastic components yearly.

**Guidelines for the patients**

Patients are recommended to follow the indications provided by the dentist, to attend periodical controls and perform daily accurate hygiene.
Safety and compatibility has not been evaluated about Ti-Cap in MR environments. Heating, migration, or image artifacts have not been tested in the MR environment. Safety has not known in MR environment.
Checking up the patient with this device may result in injury to the patient.

**Disposal**

Follow the local laws for the disposal of the medical devices. It is suggested to wash and sterilize the products before disposal.

# Instructions for use

**Technical specs**
Allow to manage the degree of retention of the prosthesis.
Available in various retentive forces distinguishable by different colors.

**LT Plastic Socket Pin type**

| | |
|---|---|
| Violet cap | 1800gr./17.65N |
| Clear cap | 1500gr./14.71N |
| Pink cap | 900gr./8.83N |
| Yellow cap | 700gr./6.86N |
| Black cap | No retention(only for laboratory use) |

**LT Plastic Socket No-Pin type**

| | |
|---|---|
| Violet cap | 1500gr./14.71N |
| Clear cap | 1000gr./9.8N |
| Pink cap | 800gr./7.84N |
| Yellow cap | 600gr./5.88N |
| Black cap | No retention(only for laboratory use) |

**BT Plastic Socket(Ø2.2 Ball type)**

| | |
|---|---|
| Clear cap | Normal size:1300gr. |
| Pink cap | Normal size:900gr. |
| Yellow cap | Normal size:500gr. |
| Green cap | Normal size:350gr. |

ANALOG:
stainless steel device to reproduce the position and the shape of the attachment into the laboratory master model.
BLOCK OUT SPACERS:
DISPOSABLE plastic devices. used to protect the gum and to eliminate the undercuts during the fixation, with self-curing resin, of the metallic Ti-Cap + Plastic socket in the patient's mouth.
Ti-Cap
prefabricated metal device designed to house the PLASTIC SOCKET; available in titanium or anodized titanium. The outer profile is designed to be cured directly in the prosthesis or to be cemented or welded into a cast reinforcement. The cementation must be done with anaerobic self-curing composite cement for metal to metal bonding.

**Instructions for use**
The LT/BT PLASTIC SOCKET has to be inserted inside a prefabricated Ti-CAP embodied the resin denture.
To insert or remove the PLASTIC SOCKET inside their Ti-CAP without any damage, use the appropriate PLASTIC SOCKET TOOL.
Before fixing the Ti-CAP inside the denture resin, put the BLOCK OUT SPACER around the neck of the attachment, connect the Ti-CAP with the PLASTIC SOCKET on it and create enough room inside the denture; in correspondence of the Ti-CAP and check if there is enough space for the Ti-CAP; once done, fix it with self cuiring resin.
To avoid the loss of the performances of the PLASTIC SOCKET replace them every 12 months.
Any use of the "PLASTIC SOCKET" which does not follow the present instructions is considered improper.
ANALOG
place the correct ANALOG into the corresponding IMPRESSION COPING, make sure the two elements are correctly coupled and proceed with the production of the master model according to the technique chosen in the laboratory.

Ti-Cap
prefabricated devices that can be welded or cemented into cast reinforcements or cured directly in the denture resin.

- SEWON MEDIX products are sterile medical devices.

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CE 1639

| | |
|---|---|
| Do not reuse | CAUTION |
| Date of manufacture | EC REP EC Representative |
| Manufacture | Consult instructions for use |
| LOT Batch code | REF Catalogue no. |
| Temperature limitaion | Use by date |
| STERILE R Sterilized using irradiation | Do not Re-sterilize |

Rx Only Caution : Federal Law (US) restricts this product to sale by or on the order of a dentist or physician

# Material characteristics

## Titanium Gr4 used for fixture and abutments

| Material type | Surgical grade cp titanium based on ASTM F67 Gr4 |
|---|---|
| Composition(in wt. %) | Nitrogen ≤ 0.005%<br>Carbon ≤ 0.05%<br>Hydrogen ≤ 0.0034%<br>Iron ≤ 0.16%<br>Oxygen ≤ 0.35%<br>Titanium = balance |
| Yield strenght($R_{p0.2}$) | min. 662MPa |
| Tensile strength($R_m$) | min. 785MPa |

## Titanium alloy used for abutments

| Material type | Surgical grade titanium alloy Ti-6Al-4V ELI according to ASTM F136 |
|---|---|
| Composition(in wt. %) | Aluminum ≤ 6.1%<br>Vanadium ≤ 4.1%<br>Nitrogen ≤ 0.004%<br>Carbon ≤ 0.03%<br>Hydrogen ≤ 0.0024%<br>Iron ≤ 0.15%<br>Oxygen ≤ 0.11%<br>Titanium = balance |
| Yield strenght($R_{p0.2}$) | min. 1007MPa |
| Tensile strength($R_m$) | min. 1227MPa |

MEMO

## MEMO

# IH SYSTEM
## PRODUCT CATALOG

PRODUCT CATALOG_R6.2

11th January 2022


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