SLOCK
IMPLANT

S L O C K
IMPLANT
SYSTEM

SLOCK

CONTENTS

SLOCK
IMPLANT

What is **SLOCK**?

Korea Dental Implant, Inc. ("KDI") offers a complete set of bioengineered implant products called SLOCK implant system, for every phase of implant therapy; the products are designed geometrically to facilitate successful implant installations for every clinical case.

The name SLOCK derives from our fixture's "S-Line" dual taper design and its excellent "locking" feature, ensuring high secondary stability in fixture installation. SLOCK also offers an array of interchangeable abutments, providing solutions for a wide range of clinical cases.

Various types of connections bring forth practical and aesthetic solutions for implant installation, adding significant value to prosthodontics and restorative dentistry.

The SLOCK implant system enables two different surgical protocols, screw-in surgery, and tap-in surgery, and both protocols result in successful osseointegration.

Ultimately, SLOCK's geometric fixture design, versatile prosthetic options and comprehensive surgery methods ensure practical and aesthetic long-term success.
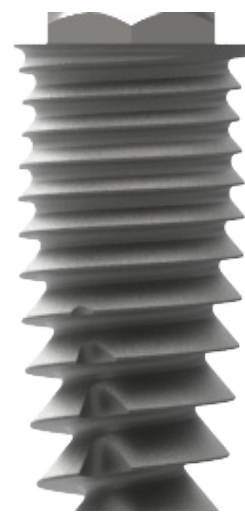
KDI aims to stand at the forefront of the implant dentistry by perfectly matching the needs of dental implant professionals.

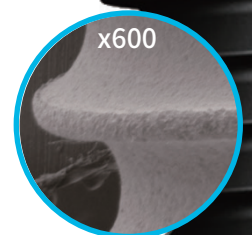Locking Taper

SLOCK Fixture | Time-less & Odor-less Design

Bio-seal connection

An extremely accurate friction-locked hermetic connection prevents micromovement, ensuring bacteria-proof connection.

As a result, patients can enjoy odor-free implants for decades.

RBM treatment with increased wettability

SLOCK's RBM technology increases fixture's wettability, enhancing the adhesion of osteoblastic cells on the biomaterial surface.

EDS (Energy Dispersive Spectrometry)

c:\edax32\genesis\genmaps.spc 18-Apr-2019 14:02:50
LSecs : 37

Analysis of Ti and calcium minerals content using EDS examination coupled with SEM on implant fixture; the SLOCK implant's micro-nano surface is favorable to creating and maintaining an interface between the implant and the surrounding bone.

Wettability test

x5,000

x600
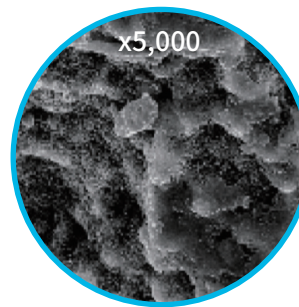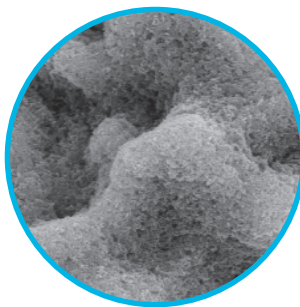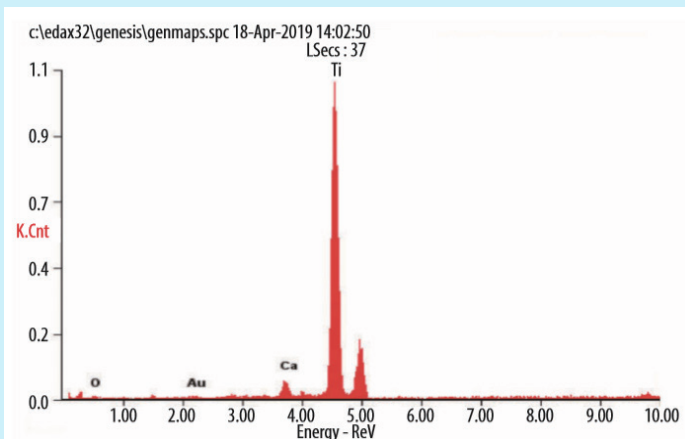
1.5° Locking taper connection

SLOCK's 1.5 degree locking taper connection provides a proven bacterial seal at the implant to abutment interface, with a microgap of less than 0.5 micron. SLOCK's bacterial seal prevents the microbial leakage issues that can result in inflammation of the soft tissue around the implant, which could lead to not only bone loss around the implant but also to the loss of the implant itself.
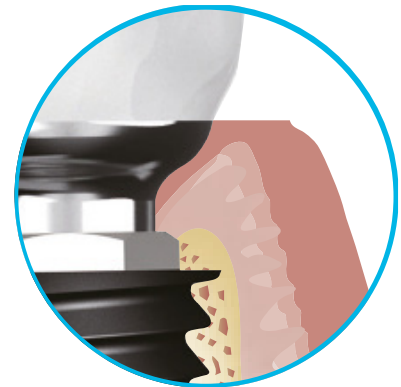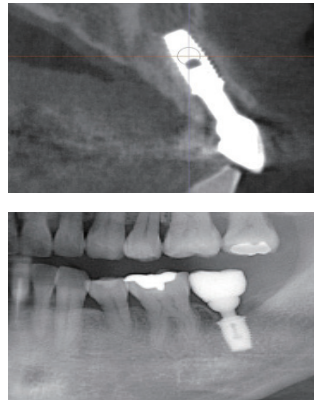
Platform switching design

The platform switching design prevents crestal bone loss, which is fundemental for the implant's long-term success and stability. Years of clinical data proves an increase in volumeof soft and hard tissues around SLOCK's implant platform.

S-Line dual taper design

SLOCK's geometric design maximizes implant placement possibility and minimizes the need for bone grafting procedure. With SLOCK, optimum primary stability can be achieved with only a little effort. The "S-Line" dual taper fixture design makes osteotomy and fixture insertion easy, and the step-wise bone expanding thread enhances the initial stability of fixture installation. For many clinical situations, SLOCK's dual taper fixture design is the best solution.

Flat apex

SLOCK's flat, non-invasive apex design minimizes perforation of the Schneiderian membrane during sinus elevation surgery, preventing mandibular nerve injury.

Step Sloping

4.8

5.0

S-line

4.0
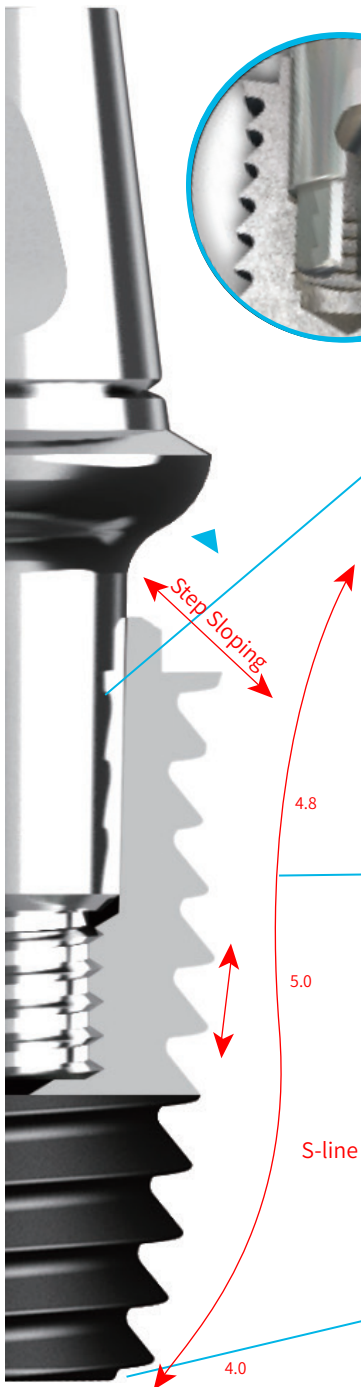
Specifications by Size

SLOCK implant surfaces are treated with RBM(Resorbable Blast Media) technique over the entire implant up to the top of the first thread.

Ø3.0mm

Ø2.3mm

Ø2.0 mm

External Hex (mm)

Internal Hex (mm)

Post Well

Wide +0.2mm

Wide -0.2mm

Wide

Length (mm)

Apical Diameter

Cutting Flutes : 3~4ea

Post Well

SMALL Ø2.0

1.0mm

Wide

Ø3.3

Post Well

MEDIUM Ø2.3

1.0mm

Wide

Ø3.7

Wide

Ø4.0

Post Well

LARGE Ø3.0

0.7mm

Wide

Ø4.0

Wide

Ø5.0

Wide

Ø5.5

Wide

Ø5.8

Wide

Ø6.3
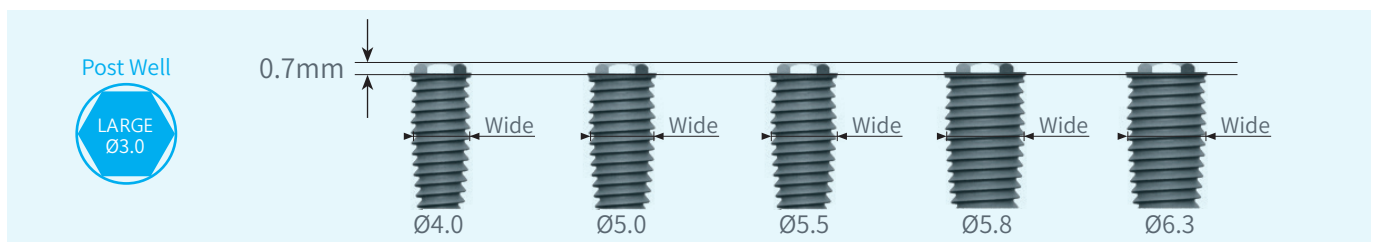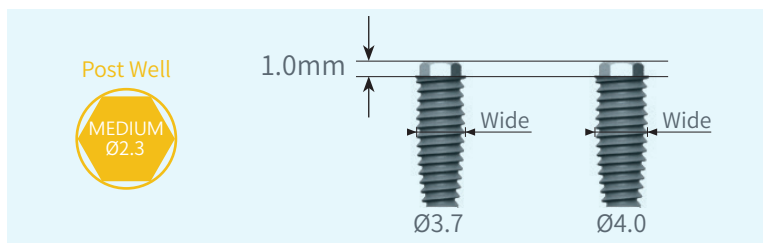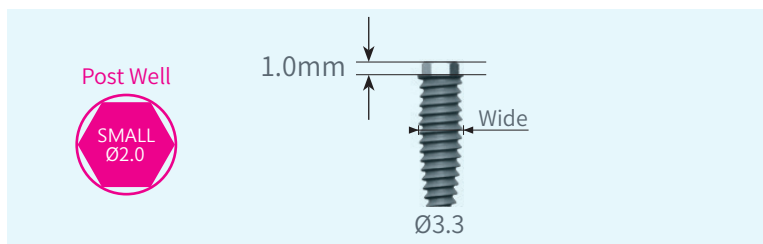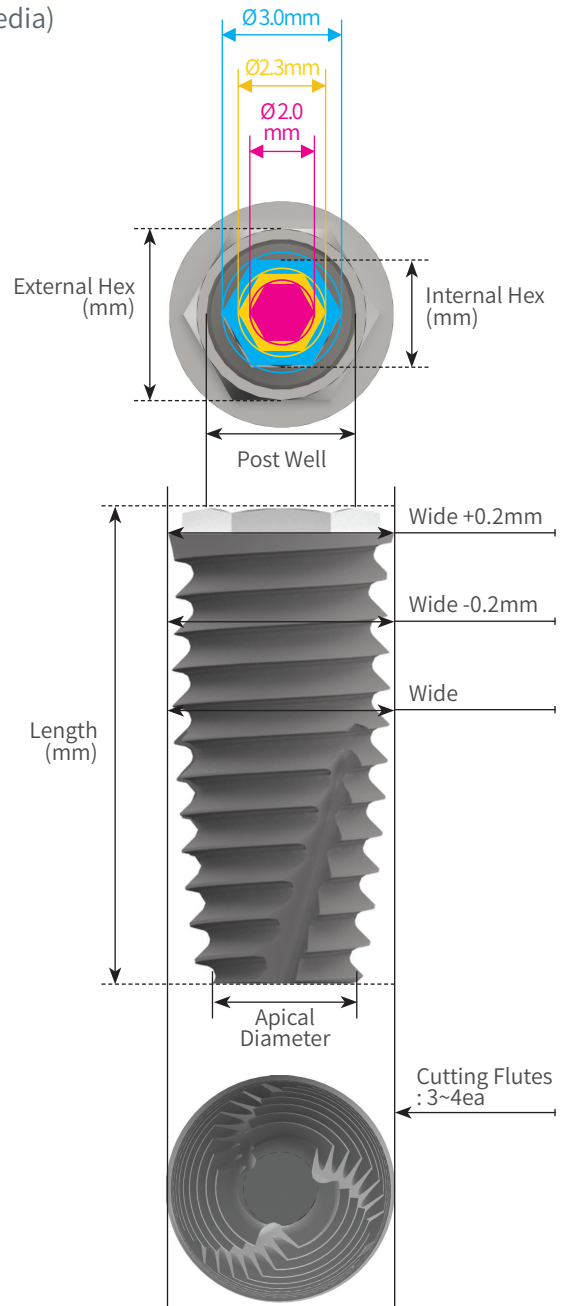
| Appearance	Size	Indication	Note
2.77mm / 3.4mm / 3.1mm / 3.3mm / 2.4mm	3.3 x 11mm **S** Post well : 2.0mm External Hex size : 2.4mm Internal Hex size : 1.5mm	For replacement of maxillary laterals and mandibular central and lateral incisors when there is not enough space for a wider implant	If possible, narrower implants are recommended; shorter implants should only be used when there is not enough space for a longer implant
3.11mm / 3.8mm / 3.5mm / 3.7mm / 2.8mm	3.7 x 11mm **M** 2.3mm post well External Hex size : 2.7mm Internal Hex size : 1.7mm	In all position in the jaws except molars; For replacement of premolars when there is not enough space for a wider implant; Single tooth to full arch	It is recommended that when possible, a wider implant should be used. if a possible, wider implant is recommended
3.57mm / 4.2mm / 3.8mm / 4.0mm / 3.0mm	4.0 x 11mm **M** 2.3mm post well External Hex size : 2.7mm Internal Hex size : 1.7mm	In all positions in the jaws; For replacement of maxillary central and premolars; Single tooth to full arch	For 4.0mm Wide implant, 7mm length should only be used when there's not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended
3.9mm / 4.7mm / 4.3mm / 4.5mm / 3.5mm	4.5 x 11 mm **L** 3.0mm post well External Hex size : 3.7mm Internal Hex size : 2.1mm	In all positions in the jaws; For replacement of maxillary central, premolars and molars when there is not enough space for a wider implant; Single tooth to full arch	For 4.5mm Wide implant, 7mm length should only be used when there is not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended
4.27mm / 5.2mm / 4.8mm / 5.0mm / 4.0mm	5.0 x 11 mm **L** 3.0mm post well External Hex size : 3.7mm Internal Hex size : 2.1mm	In all positions in the jaws; For replacement of maxillary central, premolars and molars when there is not enough space for a wider implant; Single tooth to full arch	For 5.0mm Wide implant, 7mm length should only be used when there is not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended
4.27mm / 5.7mm / 5.3mm / 5.5mm / 4.5mm	5.5 x 11 mm **L** 3.0mm post well External Hex size : 3.7mm Internal Hex size : 2.1mm	In all positions in the jaws; For replacement of molars; Single tooth to full arch	For 5.5mm Wide implant, 7mm length should only be used when there is not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended
4.27mm / 6.0mm / 4.6mm / 5.8mm / 4.8mm	5.8 x 11mm **L** 3.0mm post well External Hex size : 3.7mm Internal Hex size : 2.1mm	In all positions in the jaws; For replacement of molars; Single tooth to full arch	For 5.8mm Wide implant, 7mm length should only be used when there is not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended
4.27mm / 6.5mm / 6.1mm / 6.3mm / 5.3mm	6.3 x 11mm **L** 3.0mm post well External Hex size : 3.7mm Internal Hex size : 2.1mm	In all positions in the jaws; Especially indicated for wide ridges and large edentulous spaces and for increased stability in extraction sockets during immediate implant installation; Single tooth to full arch	For 6.3mm Wide implant, 7mm length should only be used when there is not enough space for a longer implant; Immediate loading in single tooth replacement is not recommended

Nano RBM Surface Treatment

SEM (Scanning Electron Microscope) Images

The benefits of Resorbable Blast Media ("RBM") technique for titanium dental implants are many, including increased bone formation on the implant surface, improvement in osseointegration, and its clinical efficacy in early or immediate implant loading.

Our RBM technology creates a nano surface, which increases the wettability of a dental implant. The wettability of the SLOCK fixture enhances the adhesion of osteoblastic cells on the biomaterial surface.
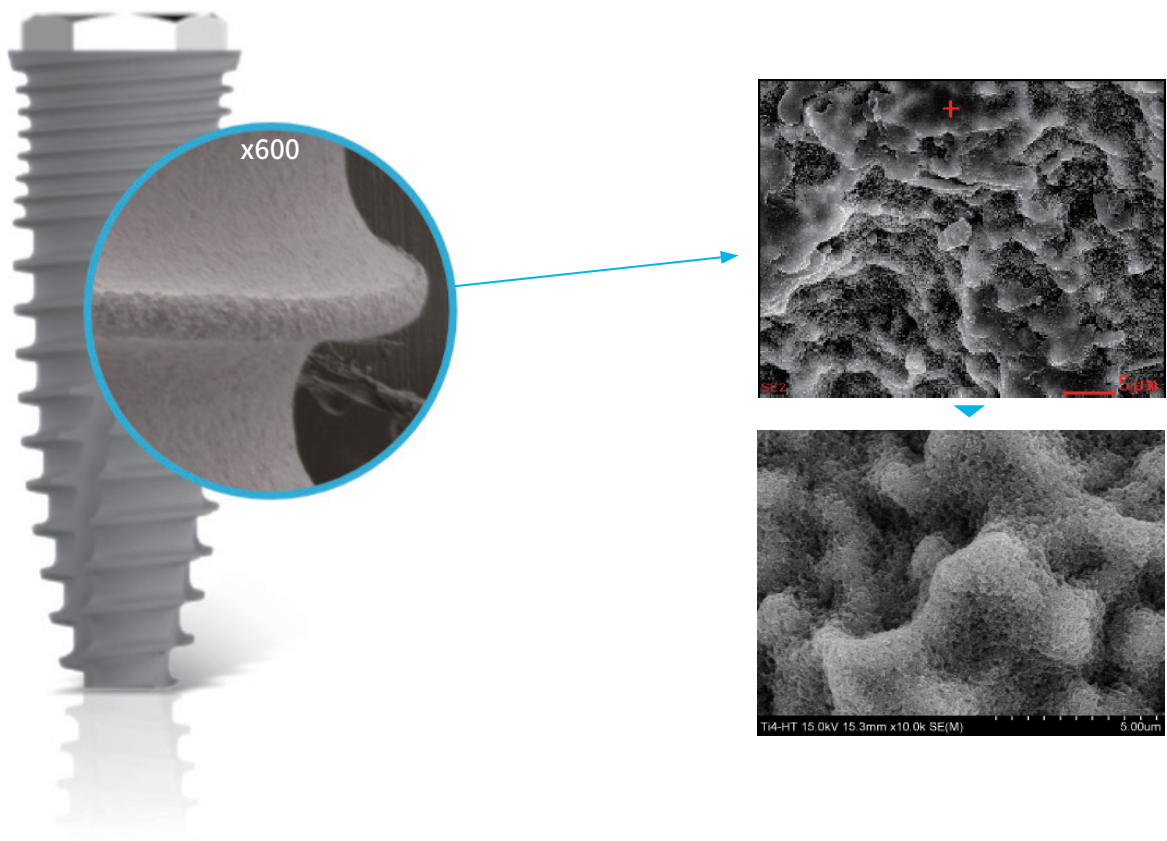
EDS (Energy Dispersive Spectrometry)

Analysis of Ti and calcium minerals content using EDS examination coupled with SEM on implant fixture; the SLOCK implant's nano RBM surface is favorable to creating and maintaining an interface between the implant and the surrounding bone.
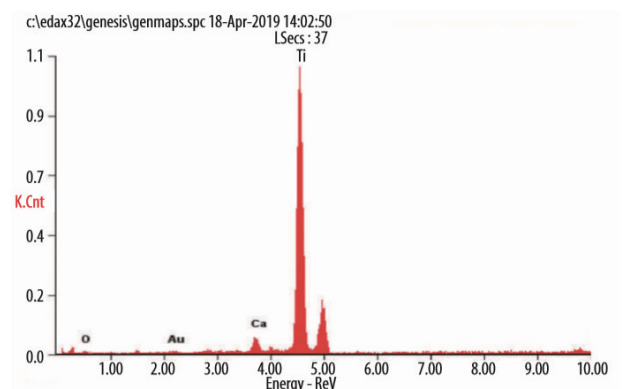
Locking Taper Fixture Measurements

Ordering info (Reference number)

Nomenclature of the fixture is based on the connection type, thread design, and size.

Ref No.	FX203311

01　02　03　04

01. Product Type
ex) Fixture

02. Post Well
ex) Ø2.0mm

03. Wide
ex) Ø3.3mm

04. Length
ex) 11mm

02. Post Well

03. Wide
(Middle body)
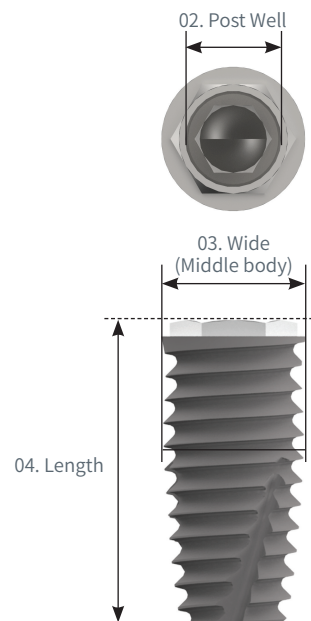
04. Length

Size chart

Postwell	Wide \ Length	7.0mm	8.0mm	9.0mm	11.0mm	13.0mm
S Ø2.0mm	Ø3.3mm		●	●	●	●
M Ø2.3mm	Ø3.7mm		●	●	●	
	Ø4.0mm		●	●	●	
L Ø3.0mm	Ø4.5mm	●	●	●	●	
	Ø5.0mm	●	●	●	●	
	Ø5.5mm	●	●	●	●	
	Ø5.8mm	●	●	●	●	
	Ø6.3mm	●	●	●	●	

Fixture catalog

Standard protocol of the SLOCK implant site preparation

Average Implant Site Preparation Protocol

D1 ——— D2 ——— D3 ——— D4

**Over size osteotomy
Under size fixture selection**

**Under size osteotomy
Over size fixture selection**
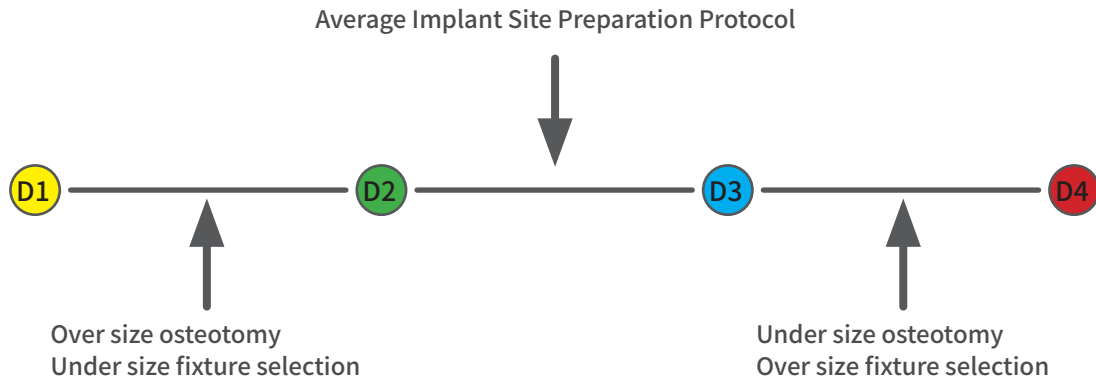
Wide Ø3.3

**Hex height : 1.0mm
Post well : Ø2.0mm**

S

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.		FX203380	FX203390	FX203311	FX203313

Wide Ø3.7

**Hex height : 1.0mm
Post well : Ø2.3mm**

M

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.		FX233780	FX2233790	FX233711	

Wide Ø4.0

**Hex height : 1.0mm
Post well : Ø2.3mm**

M

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.		FX234080	FX2234090	FX234011	

Wide Ø4.5

Hex height : 0.7mm
Post well : Ø3.0mm

L

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.	FX304570	FX304580	FX304590	FX304511	

Wide Ø5.0

Hex height : 0.7mm
Post well : Ø3.0mm

L

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.	FX305070	FX305080	FX305090	FX305011	

Wide Ø5.5

Hex height : 0.7mm
Post well : Ø3.0mm

L

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.	FX305570	FX305580	FX305590	FX305511	

Wide Ø5.8

Hex height : 0.7mm
Post well : Ø3.0mm

L

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.	FX305870	FX305880	FX305890	FX305811	

Wide Ø6.3

Hex height : 0.7mm
Post well : Ø3.0mm

L

Length(mm)	7.0	8.0	9.0	11.0	13.0
REF No.	FX306370	FX306380	FX306390	FX306311	

SLOCK IMPLANT | DRILL

Standard Surgical Kit
Advanced Surgical Kit
Premium Surgical Kit

All-in-one Surgical Drill Kits

Suitable for various bone densities and anatomical structures

• A wide range of diameter sizes and lengths
• Low-speed drilling with little effort
• Convenience-first design with accurate laser marking and drilling measurement

Standard surgical kit

Easy and safe to use; optimized for socket lifting

Components :
• Spiral Drill 10ea
• Reamer 9ea
• Lancet Drill 1ea
• Lindemann drill 1ea
• Point Drill 4ea

Advanced surgical kit

Increased the range of drill sizes to enable a broader range of use cases than the standard kit

Components :
• Spiral Drill 41ea
• Reamer 9ea
• Countersink 9ea
• Lancet drill 1ea
• Lindemann drill 1ea

Premium surgical kit

All-in-one kit for a wide range of surgical cases; suitable for experienced surgeons

Components :
• Spiral Drill 64ea
• Reamer 15ea
• Countersink 15ea
• Lancet Drill 1ea
• Step Drill 2ea
• Lindemann Drill 2ea
• Point Drill 4ea
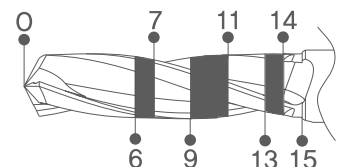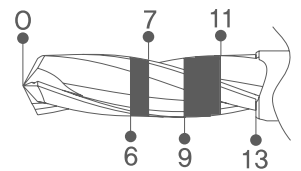
Drills and Reamers

Spiral drill ("3N drill")
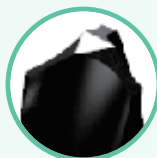
Preserves the bone density by pushing the bone while cutting
- Three spiral cutting edges enables cross balancing cut
- No cutting edge at the end, increasing safety at both high and low speed

Hatch reamer
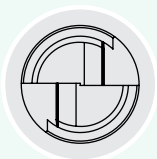
For socket lifting & bone grafting
- Prevents sinus membrane perforation
- Suitable for soft bone (D3-D4) cases
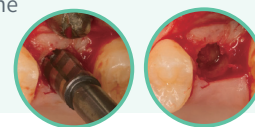
Countersink
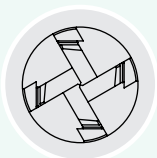
Made to ensure passive fit of the implant neck into the surgical site;

designed to enlarge the crestal area of the implant site in dense cortical bone

Lancet drill

Starter drill;

the sharp tip allows correct site placement in the beginning

Step drill

Expands the lateral bone to ensure an exact surgical site for the implant installation;

suitable for tapered implants

Lindemann drill

Used for multiple implant procedures including relocation and angle correction;

works well for redirecting a pilot osteotomy in implant replacement procedures

Point sink

With the ~2.5mm length of a sharp tip and the cutting force at the back, point drill can be used not only for initial drilling but also for bone expansion

Standard Surgical Kit

※ (H) = For Hand Piece and SLOCK's Straight Handle
(R) = For Ratchet

Fixture driver
D1.8 (H) D1.8 (R)
D2.0 (H) D2.0 (R)
D2.3 (H) D2.3 (R)
D3.0 (H) D3.0 (R)

Hex driver
(H)
(R)

Direction indicator
Short
Long

Lancet drill
D2.6 X 13L

Knob
Drill Knob
Φ10Knob
Φ20Knob

Lindemann drill

Drill extension

Starter
Lancet
Lindemann

Fixture Driver
ø2.0 ø2.3 ø3.0
Hand Piece
Ratchet

Hex Driver
Hand Piece
Ratchet

Direction
Short
Long

Drill 15mm
ø6.0
ø5.5
ø5.0
ø4.5
ø4.0
ø3.5
ø3.2
ø3.0
ø2.5
ø2.0

Drill Extension

Pointsink
ø6.0
ø5.0
ø4.0
ø3.0

Spare Drill

Length Stopper
7 9 11 13

Hatch Reamer
ø6.2
ø5.7
ø5.2
ø4.7
ø4.2
ø3.7
ø3.3
ø3.0
ø2.5

Drill Knob
Ø12 Knob
Ø18

Handle
Ratchet

Straight Handle **Ratchet**

Spiral drill (3N drill)
D2.0 X 15L
D2.5 X 15L
D3.0 X 15L
D3.2 X15L
D3.5 X 15L
D4.0 X 15L
D4.5 X 15L
D5.0 X 15L
D5.5 X 15L
D6.0 X 15L

Point sink
D3.0 X 13L
D4.0 X 13L
D5.0 X 13L
D6.0 X 13L

Stopper

Hatch reamer
D2.5 X 15L   D4.7 X 15L
D3.0 X 15L   D5.2 X 15L
D3.3 X 15L   D5.7 X 15L
D3.7 X 15L   D6.2 X 15L
D4.2 X 15L

Advanced Surgical Kit

※ (H) = For Hand Piece and SLOCK's Straight Handle
(R) = For Ratchet

Lancet drill
D2.6 X 13L

Fixture driver
D1.8 (H)	D1.8 (R)
D2.0 (H)	D2.0 (R)
D2.3 (H)	D2.3 (R)
D3.0 (H)	D3.0 (R)
D4.0 (H)	D4.0 (R)

Hex driver
(H)
(R)

Direction indicator
Short
Long

Lindemann drill

Drill extension

Spiral drill (3N drill)

Φ2.0	Φ2.5
D2.0 X 7L	D2.5 X 7L
D2.0 X 9L	D2.5 X 9L
D2.0 X 11L	D2.5 X 11L
D2.0 X 13L	D2.5 X 13L
D2.0 X 15L	

Φ3.0	Φ3.2
D3.0 X 7L	D3.2 X 7L
D3.0 X 9L	D3.2 X 9L
D3.0 X 11L	D3.2 X 11L
D3.0 X 13L	D3.2 X 13L

Φ3.5	Φ3.5
D3.5 X 7L	D4.0 X 7L
D3.5 X 9L	D4.0 X 9L
D3.5 X 11L	D4.0 X 11L
D3.5 X 13L	D4.0 X 13L

Φ4.5	Φ5.0
D4.5 X 7L	D5.0 X 7L
D4.5 X 9L	D5.0 X 9L
D4.5 X 11L	D5.0 X 11L
D4.5 X 13L	D5.0 X 13L

Φ5.5	Φ6.0
D5.5 X 7L	D6.0 X 7L
D5.5 X 9L	D6.0 X 9L
D5.5 X 11L	D6.0 X 11L
D5.5 X 13L	D6.0 X 13L

Kit tray layout

Starter | Fixture Driver | Hex Driver | Direction
ø2.0 ø2.3 ø3.0 ø3.6
Lancet | Hand Piece | Hand Piece | Short
Lindemann | Ratchet | Ratchet | Long

SLOCK IMPLANT

	7	9	11	13	15	Drill Extension
ø2.0						
ø2.5					ø2.5 ø2.8	
ø3.0					ø3.0	
ø3.2					ø3.3	
ø3.5					ø3.7	
ø4.0					ø4.2	
ø4.5					ø4.7	
ø5.0					ø5.2	
ø5.5					ø5.7	
ø6.0					ø6.2	

Spiral Drill | Hatch Reamer | Countersink

Drill Knob
Ø12 Knob
Ø13

Handle
Ratchet

Hatch reamer
D2.5 X 15L	D4.7 X 15L
D3.0 X 15L	D5.2 X 15L
D3.3 X 15L	D5.7 X 15L
D3.7 X 15L	D6.2 X 15L
D4.2 X 15L	

Countersink
D2.8 X 6L	D4.7 X 6L
D3.0 X 6L	D5.2 X 6L
D3.3 X 6L	D5.7 X 15L
D3.7 X 6L	D6.2 X 15L
D4.2 X 6L	

Straight Handle

Ratchet

Knob
Drill Knob
Φ10Knob
Φ20Knob

Premium Surgical Kit

7. Spiral drill ("3N Drill")

1. Lancet drill

2. Step drill

3. Lindemann drill

4. Drill extension

5. Direction indicator

6. Hex driver

8. Hatch reamer

9. Countersink

10. Point sink

11. Knob

12. Fixture driver
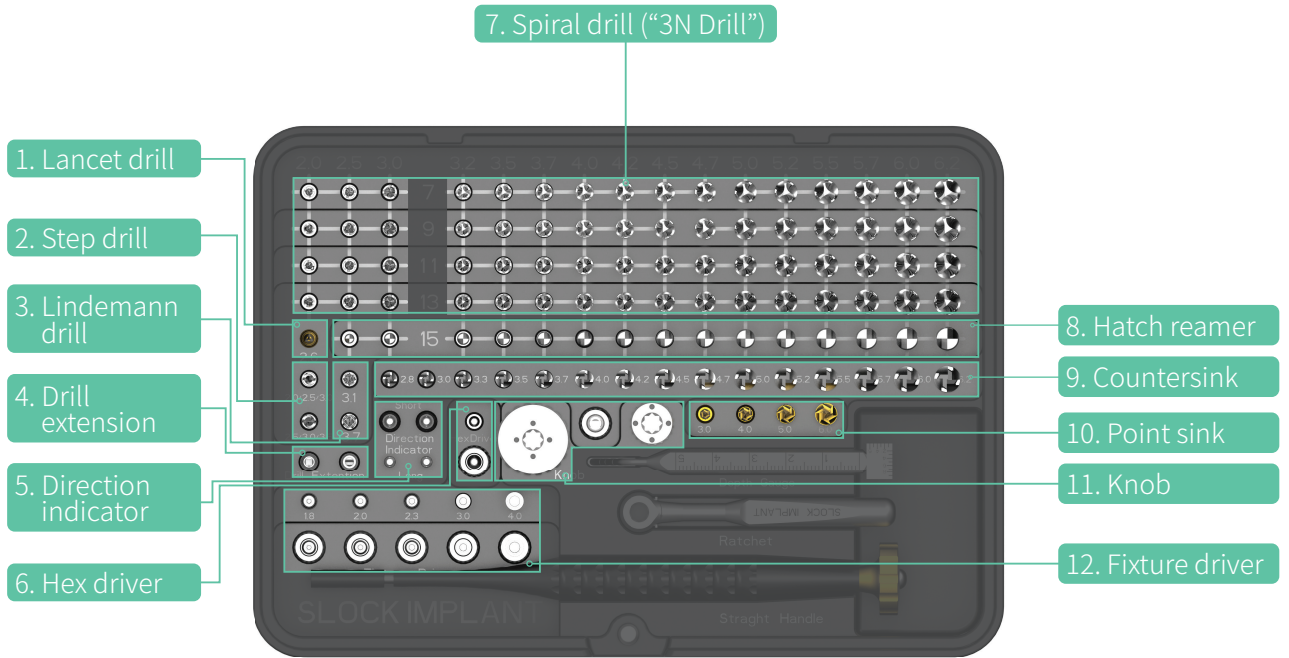
Straight Handle Ratchet Depth Gauge

1. Lancet drill
D2.6 X 13L

2. Step drill
D2.0/2.5/3.0 X 15L
D2.5/3.0/3.5 X 15L

3. Lindemann drill
D3.1 X 13L
D3.7 X 13L

4. Drill extension
D3.1
D3.7

※ (H) = For Hand Piece and SLOCK's Straight Handle
(R) = For Ratchet

5. Direction indicator
shot
Long

6. Hex driver
For Hand Piece (H)
For Ratchet (R)

7. Spiral drill
D2.0X7,9,11,13L
D2.5X7,9,11,13L
D3.0X7,9,11,13L
D3.2 X 7,9,11,13L
D3.5 X 7,9,11,13L
D3.7 X 7,9,11,13L
D4.0 X 7,9,11,13L
D4.2 X 7,9,11,13L
D4.5 X 7,9,11,13L
D4.7 X 7,9,11,13L
D5.0 X 7,9,11,13L
D5.2 X 7,9,11,13L
D5.5 X 7,9,11,13L
D5.7 X 7,9,11,13L
D6.2 X 7,9,11,13L

8. Hatch Reamer
D2.5 X 15L
D3.0 X 15L
D3.2 X 15L
D3.5 X 15L
D3.7 X 15L
D4.0 X 15L
D4.2 X 15L
D4.5 X 15L
D4.7 X 15L
D5.0 X 15L
D5.2 X 15L
D5.5 X 15L
D5.7 X 15L
D6.2 X 15L

9. Countersink
D3.1
D3.7

10. Pointsink
D3.0 X 13L
D4.0 X 13L
D5.0 X 13L
D6.0 X 13L

11. Knob
Drill Knob

Φ10Knob

Φ20Knob
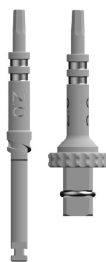
12. Fixture driver
D1.8 (H)
D2.0 (H)
D2.3 (H)
D3.0 (H)
D4.0 (H)
D1.8 (R)
D2.0 (R)
D2.3 (R)
D3.0 (R)
D4.0 (R)

Straight Handle

Solution for sinus lift

- From twist drills to reamers, all of SLOCK drills can be fastened to and used with SLOCK Straight Handle allowing limitless surgical possibilities in clinical cases.
- The cover sleeve in the handle secures the drill tightly, so there is no gap between the drill and the handle.
- With the handle, users can use hands instead of a hand piece during a surgery, allowing fine adjustment of the path, depth, and force during drilling or reaming. SLOCK straight handle can also be used with a mallet for tap-in implant surgery.
- Therefore, SLOCK straight handle can help the implant fixture to be placed in the proper direction.

How to use
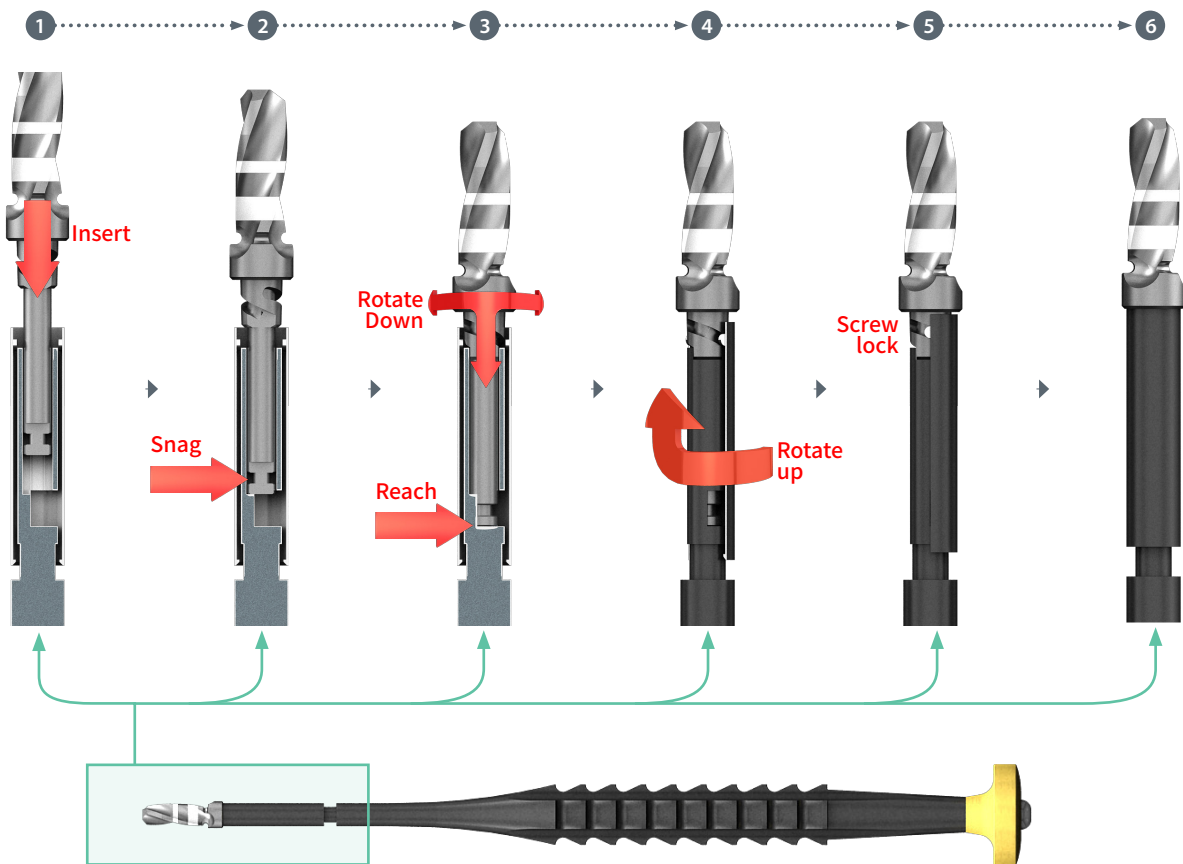
Caution

- If fastened improperly, cover sleeve(the connecting part of the handle) can break when force is applied
- After use, clean the blood or foreign substances and dry the handle.
- Do not use excessive bending force
- Patient may swallow the drill/reamer if it is incorrectly fastened and become detached from the handle during surgery

Protocol by Bone Density

Standard(D2) Bone

Lancet drill L20x13L
Step drill
Ø 2.0

Twist drill — Ø 2.5 Ø 3.0
Spiral drill — Ø 3.5 Ø 3.8 Ø 4.3 Ø 4.8
Ø 5.2
(Optional) Countersink
Reamer — Ø 5.0
Depth Gauge
Ø 5.0 (3.0 post well)
Straight Handle

Malleting
Optional drilling
Initial drilling
Reaming
Optional half reaming
Hand reaming
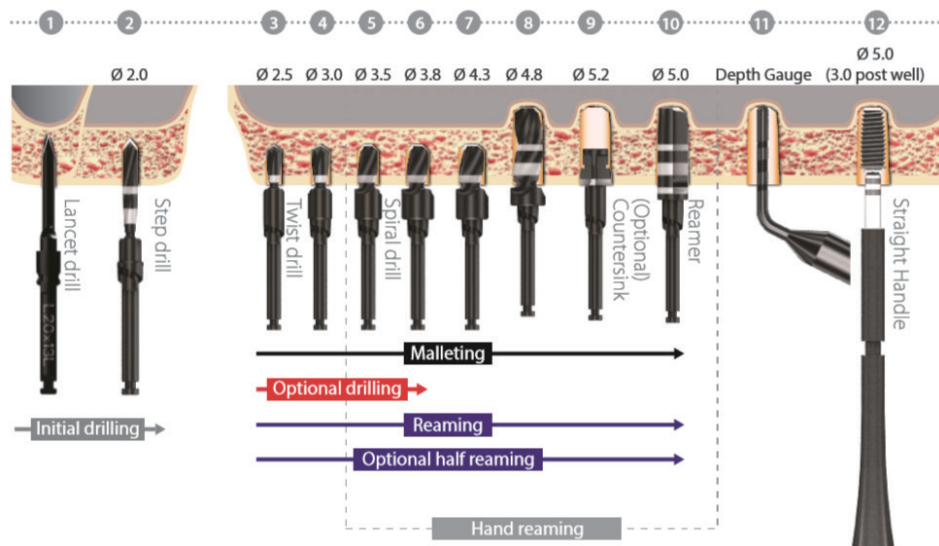
📄 **Caution**

- Guide drilling and enlargement drilling is required
- Drill reaming and socket lifting can be achieved

Standard(D3) Bone

Lancet drill L20x13L
Twist drill
Ø 2.0

Reamer — Ø 2.5 Ø 3.0 Ø 3.5 Ø 4.0 Ø 4.5 Ø 5.2
Depth Gauge
(Optional) Countersink
Ø 5.0 (3.0 post well)
Straight Handle

Initial drilling
2/3 Reaming
Bone compaction malleting
Reaming
Hand reaming
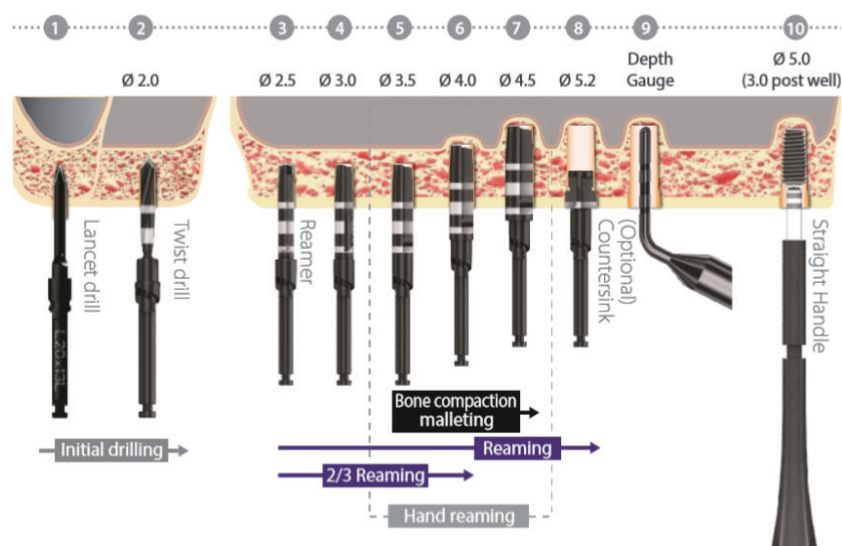
📄 **Caution**

- Drill reaming and socket lifting can be achieved
- Bone compaction using a reamer is recommended

Installation with Hand Piece

1. Handling of fixture

• Use the contra-angle implant handpiece or manual driver.
• Insert and connect implant driver tip to fixture for pick-up the fixture.

Mounting knob
Fixture Driver

2. Put in and screwing the fixture into implant preparation site

• Maximum insertion torque is 50Ncm/15rpm.
• In case of high density bone, it is advisable to the insertion torque progressively.
• Repeat insertion and removal for enlargement of osteotomy site.
• Final insertion torque must be under 30Ncm.
• Additional osteotomy is recommended for prevent pressure bone necrosis.

Hand piece
Hand piece Driver

3. Screwing manually with manual implant driver and ratchet wrench

• Align one of the faces of the implant driver.

Ratchet wrench
Fixture Driver

4. Placement of the healing plug

• Using pincette, insert healing plug into connection structure of the fixture.
• Cut the healing plug with plug cutter.
• Cut level of healing plug is adjusted for the benefits of bone healing.
• Just level of bone margin is suitable for standard guide line.

5. Primary closure of flap

• Water tight suture is recommended

Healing plug cutter

Healing plug

Suture

Fixture Placement Level

Subcrestal level of fixture placement is recommended.

a-1	b-1	c-1	d-1
Thin cortical bone hollow trabecular	Thick cortical bone coarse trabecular	Thin cortical bone fine trabecular	Thick cortical bone fine trabecular

1mm
1mm

a-2	b-2	c-2	d-2
Thin cortical bone upper fine tbecuar lower coarse trabecular	Thick cortical bone coarse trabecular	Thin cortical bone fine trabecular	Thick cortical bone fine trabecular

1mm
1mm

Caution

The SLOCK implant is designed to be placed in a subcrestal position. If significant resistance is met during insertion of the fixture, remove the fixture, place it into titanium bowl, check the osteotomy depth with the gauge or the drill bit and consider either additional implant site widening or deepening if necessary. In the case of thin cortical bone, equicrestal or just crestal fixture installation is recommended to ensure primary stability.

Installation with Straight Handle

1. Handling of fixture

- Use the contra-angle implant handpiece or manual driver.
- Insert and connect implant driver tip to fixture for pick-up the fixture.
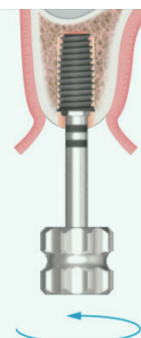
2. Put in and screwing the fixture into implant preparation site

- Maximum insertion torque is 50Ncm/15rpm.
- In case of high density bone, it is advisable to the insertion torque progressively.
- Repeat insertion and removal for enlargement of osteotomy site.
- Final insertion torque must be under 30Ncm.
- Additional osteotomy is recommended for prevent pressure bone necrosis.

3. Screwing manually with manual implant driver and ratchet wrench

- Align one of the faces of the implant driver.

Healing plug

Suture

Healing plug cutter

4. Placement of the healing plug

- Using pincette, insert healing plug into connection structure of the fixture.
- Cut the healing plug with plug cutter.
- Cut level of healing plug is adjusted for the benefits of bone healing.
- Just level of bone margin is suitable for standard guide line.

5. Primary closure of flap

- Water tight suture is recommende

Fixture Placement Level

Subcrestal level of fixture placement is recommended.

D1	D2	D3	D4
Thin cortical bone coarse trabecular	Thick cortical bone coarse trabecular	Thin cortical bone fine trabecular	Thick cortical bone fine trabecular

D1	D2	D3	D4
Thin cortical bone with bone compaction	Thick cortical bone coarse trabecular	Thin cortical bone fine trabecular	Thick cortical bone fine trabecular

📄 Caution

The SLOCK implant is designed to be placed in a subcrestal position. If significant resistance is met during insertion of the fixture, remove the fixture, place it into titanium bowl, check the osteotomy depth with the gauge or the drill bit and consider either additional implant site widening or deepening if necessary. In the case of thin cortical bone, equicrestal or just crestal fixture installation is recommended to ensure primary stability.

SLOCK
IMPLANT

ABUTMENT

Screw Abutment
Hex Abutment
Angle Abutment
Healing Abutment

Locking Taper Abutment

Design overview

Locking taper
Healing abutment

Locking taper
Hex abutment

Locking taper
Screw abutment

Locking taper
Angle abutment

Ordering Info(Reference number)

Ref No.	HAP203040P32R

01 02 03 04 05 06

01. Product   ex) Healing Abutment
02. Post   ex) 2.0mm
03. Width   ex) 3.0mm
04. Height   ex) 4.0mm
05. PL   ex) 3.2mm

Height / Width

Height size
4mm, 6mm, 8mm

Width size
3mm, 4mm, 5mm, 6.5mm, 8mm

Cuff

Size
3mm, 4mm, 5mm, 6mm

Post length(PL)

Size
3.2mm, 4mm, 5mm, 6mm, 7mm, 8mm

Height
: 8mm

Height
: 6mm

Height
: 4mm

Width
: 3mm, 4mm, 5mm,
6.5mm, 8mm

Cuff
: 3mm, 4mm,
5mm, 6mm

PL : 8mm
PL : 7mm
PL : 6mm
PL : 5mm
PL : 4mm
PL : 3.2mm

Lock Height
: 3mm

Hex Height

Internal system

SLOCK IMPLANT

```
Fixture ─┬─ Accessory ─┬─ Cover screw
         │             └─ Healing plug
         │
         └─ Abutment ── Healing
                        abutment ─┬─ Hexed abutment ─┬─ Extra Narrow
                                  ├─ Hex Angled abutment ├─ Narrow
                                  └─ Screw abutment     ├─ Standard
                                                        ├─ Wide
                                                        └─ Extra Wide
```
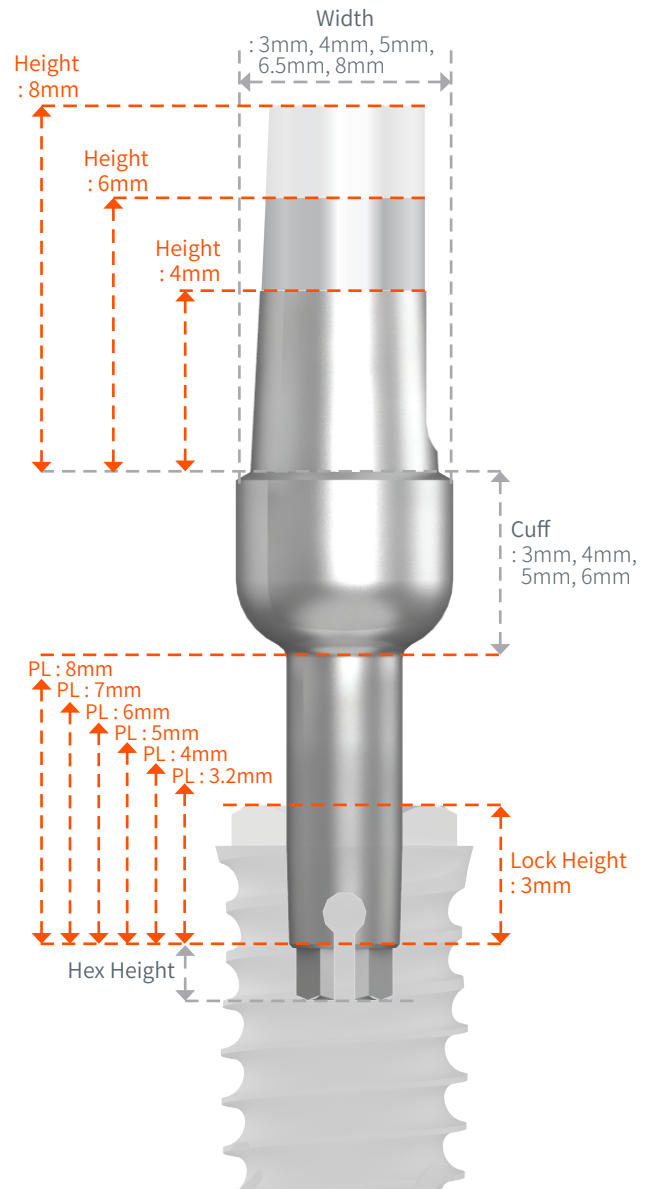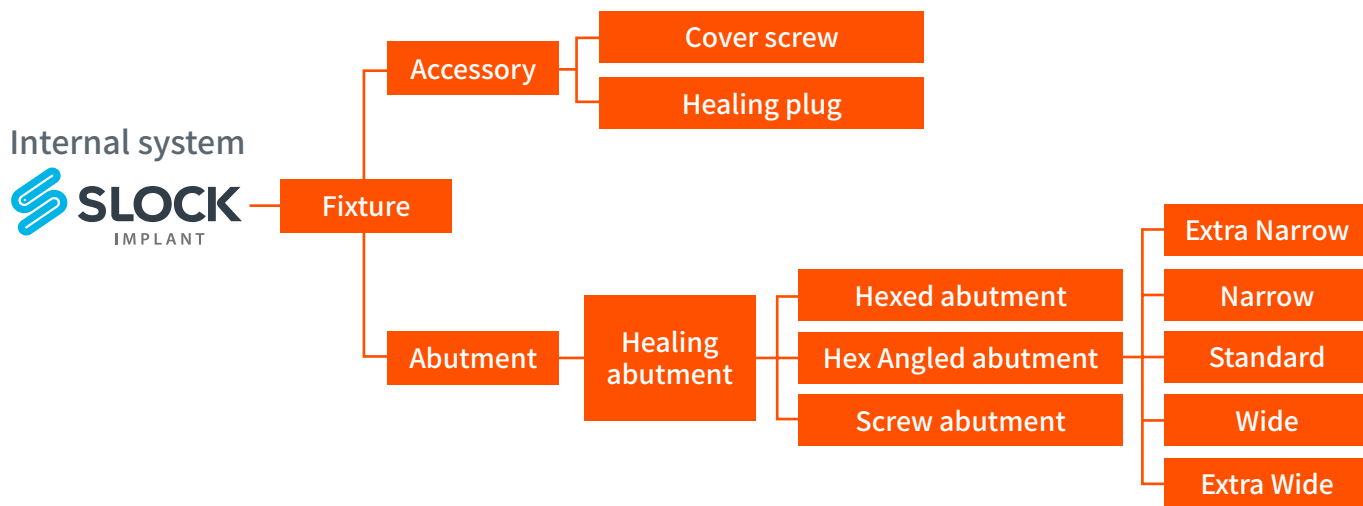
Flowchart of abutment system

Hexed   Angled   Screw

Healing plug   Cover screw

3. Healing Abutment

4. Abutment

1. Fixture

2. Accessory
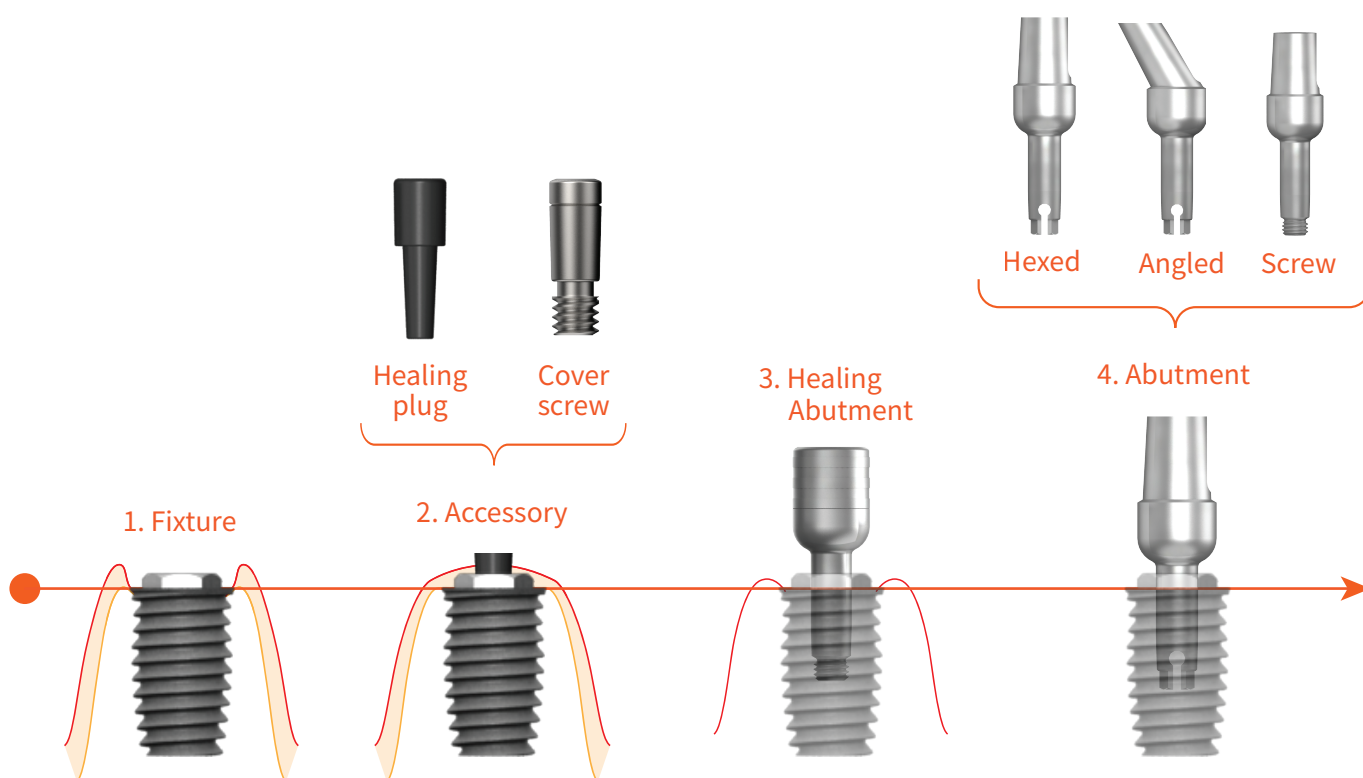
Intended Use

Angle Abutment l Even and odd angle

Even hex

Odd hex

30°

Even + Odd
total
12 direction

60°

Even Hex Abutment
6 direction

60°

Odd Hex Abutment
6 direction
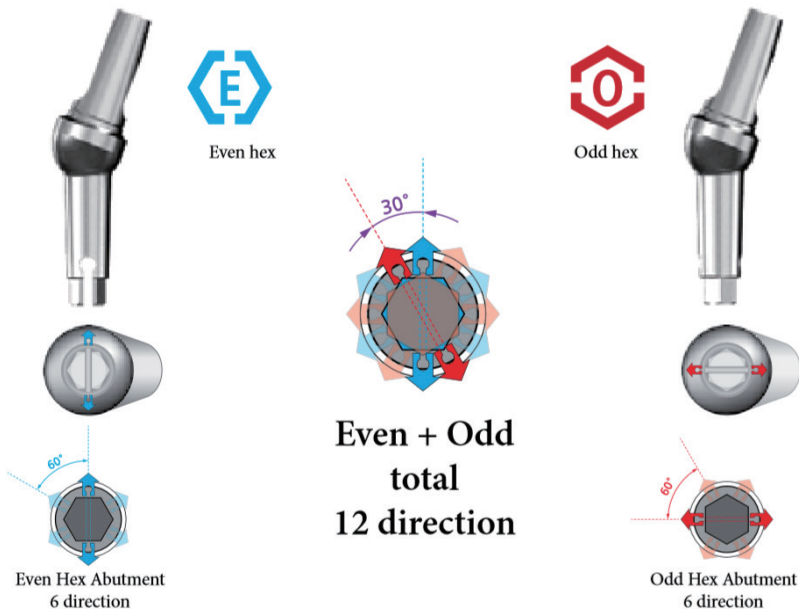
The connection of hexed abutment

Tapping

rotate to secure hexa-fit

Tapping for locking
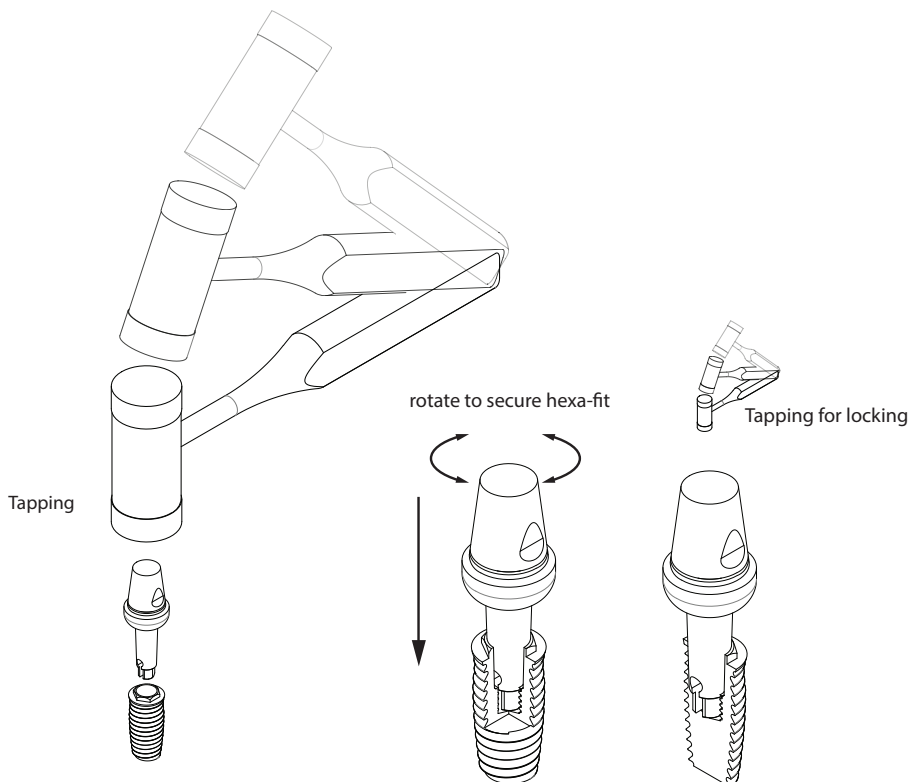
Using a mallet lighly tap 3 to 6 time
with moderate force

Intended Use

Screw abutment

D: Prepared five **Diameter** types
Narrow : Ø4.0mm
Standard : Ø5.0mm
Wide : Ø6.5mm

Prepared two **Height** types (6.5mm, 8mm) :H

Emergence length :EL
4 mm
3 mm
2 mm
1 mm
0.2 mm
0
Constant 3.0mm locking length

PL: Prepared five-**Post length** types(mm)
7 mm
6 mm
5 mm
4 mm
3.2 mm

Base line

0

LD: Internal locking taper diameter (Ømm)

S Ø2.0mm   M Ø2.3mm   L Ø3.0mm
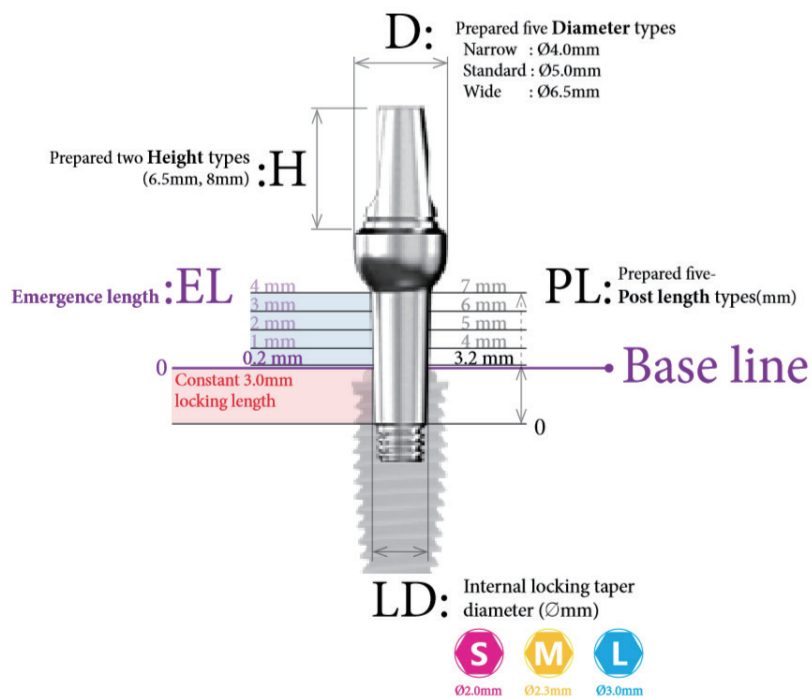
The connection of screw abutment

30~50Ncm
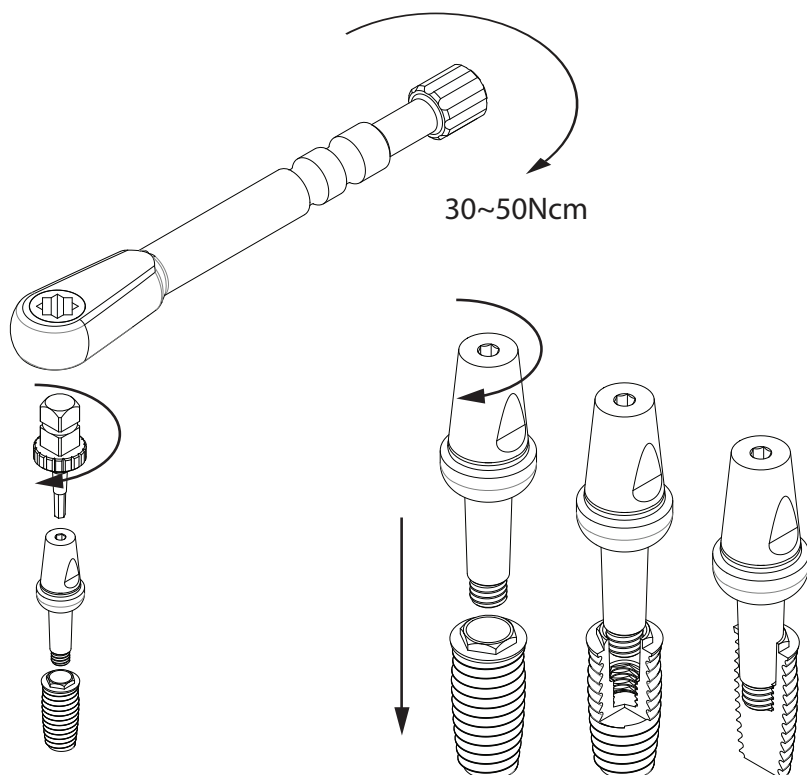
Using a ratchet and a hex driver, screw the abutment clockwise into the fixture.

Healing Abutment Catalog

Ref No.	HA20NP32
	1 2 3 4

01. Product ex) Healing Abutment
02. Post ex) 2.0mm
03. Width ex) Narrow
04. PL ex) 3.2mm

Width
Height
Cuff
PL
Post Diameter
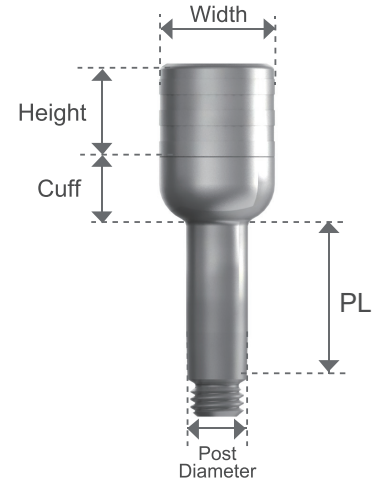
2.0 Small - Post Diameter

Post	Width	PL	Ref No.
2.0	4.0 Narrow	3.2	HA20NP32
2.0	4.0 Narrow	4.0	HA20NP4
2.0	4.0 Narrow	5.0	HA20NP5
2.0	4.0 Narrow	6.0	HA20NP6

Post	Width	PL	Ref No.
2.0	5.0 Standard	3.2	HA20SP32
2.0	5.0 Standard	4.0	HA20SP4
2.0	5.0 Standard	5.0	HA20SP5
2.0	5.0 Standard	6.0	HA20SP6

2.3 Medium - Post Diameter

Post	Width	PL	Ref No.
2.3	4.0 Narrow	3.2	HA23NP32
2.3	4.0 Narrow	4.0	HA23NP4
2.3	4.0 Narrow	5.0	HA23NP5
2.3	4.0 Narrow	6.0	HA23NP6
2.3	5.0 Standard	3.2	HA23SP32
2.3	5.0 Standard	4.0	HA23SP4
2.3	5.0 Standard	5.0	HA23SP5
2.3	5.0 Standard	6.0	HA23SP6
2.3	6.0 Wide	3.2	HA23WP32
2.3	6.0 Wide	4.0	HA23WP4
2.3	6.0 Wide	5.0	HA23WP5
2.3	6.0 Wide	6.0	HA23WP6

3.0 Large - Post Diameter

Post	Width	PL	Ref No.
3.0	4.0 Narrow	3.2	HA30NP32
3.0	4.0 Narrow	4.0	HA30NP4
3.0	4.0 Narrow	5.0	HA30NP5
3.0	4.0 Narrow	6.0	HA30NP6
3.0	5.0 Standard	3.2	HA30SP32
3.0	5.0 Standard	4.0	HA30SP4
3.0	5.0 Standard	5.0	HA30SP5
3.0	5.0 Standard	6.0	HA30SP6
3.0	6.0 Wide	3.2	HA30WP32
3.0	6.0 Wide	4.0	HA30WP4
3.0	6.0 Wide	5.0	HA30WP5
3.0	6.0 Wide	6.0	HA30WP6

Hex Abutment Catalog

Ref No.	HAP203040P32R

1 2 3 4 5 6
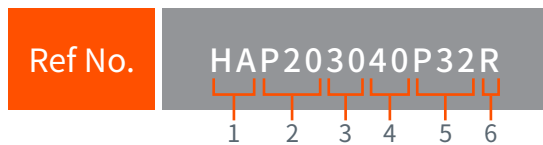
01. Product ex) Hex Abutment
02. Post ex) 2.0mm
03. Width ex) 3.0mm
04. Height ex) 4.0mm
05. PL ex) 3.2mm
06. Type ex) Round Type

Width
Height
Cuff
PL
Post Diameter

2.0 Small - Post Diameter
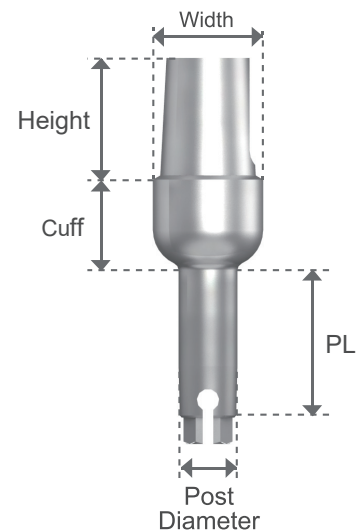
Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
2.0	3.0	4.0	3.2	HAP203040P32R	2.0	4.0	6.0	6.0	HAP204060P6R
2.0	3.0	4.0	4.0	HAP203040P4R	2.0	4.0	6.0	7.0	HAP204060P7R
2.0	3.0	4.0	5.0	HAP203040P5R	2.0	4.0	6.0	8.0	HAP204060P8R
2.0	3.0	4.0	6.0	HAP203040P6R	2.0	4.0	8.0	3.2	HAP204080P32R
2.0	3.0	4.0	7.0	HAP203040P7R	2.0	4.0	8.0	4.0	HAP204080P4R
2.0	3.0	4.0	8.0	HAP203040P8R	2.0	4.0	8.0	5.0	HAP204080P5R
2.0	3.0	6.0	3.2	HAP203060P32R	2.0	4.0	8.0	6.0	HAP204080P6R
2.0	3.0	6.0	4.0	HAP203060P4R	2.0	4.0	8.0	7.0	HAP204080P7R
2.0	3.0	6.0	5.0	HAP203060P5R	2.0	4.0	8.0	8.0	HAP204080P8R
2.0	3.0	6.0	6.0	HAP203060P6R	2.0	5.0	4.0	3.2	HAP205040P32R
2.0	3.0	6.0	7.0	HAP203060P7R	2.0	5.0	4.0	4.0	HAP205040P4R
2.0	3.0	6.0	8.0	HAP203060P8R	2.0	5.0	4.0	5.0	HAP205040P5R
2.0	3.0	8.0	3.2	HAP203080P32R	2.0	5.0	4.0	6.0	HAP205040P6R
2.0	3.0	8.0	4.0	HAP203080P4R	2.0	5.0	4.0	7.0	HAP205040P7R
2.0	3.0	8.0	5.0	HAP203080P5R	2.0	5.0	4.0	8.0	HAP205040P8R
2.0	3.0	8.0	6.0	HAP203080P6R	2.0	5.0	6.0	3.2	HAP205060P32R
2.0	3.0	8.0	7.0	HAP203080P7R	2.0	5.0	6.0	4.0	HAP205060P4R
2.0	3.0	8.0	8.0	HAP203080P8R	2.0	5.0	6.0	5.0	HAP205060P5R
2.0	4.0	4.0	3.2	HAP204040P32R	2.0	5.0	6.0	6.0	HAP205060P6R
2.0	4.0	4.0	4.0	HAP204040P4R	2.0	5.0	6.0	7.0	HAP205060P7R
2.0	4.0	4.0	5.0	HAP204040P5R	2.0	5.0	6.0	8.0	HAP205060P8R
2.0	4.0	4.0	6.0	HAP204040P6R	2.0	5.0	8.0	3.2	HAP205080P32R
2.0	4.0	4.0	7.0	HAP204040P7R	2.0	5.0	8.0	4.0	HAP205080P4R
2.0	4.0	4.0	8.0	HAP204040P8R	2.0	5.0	8.0	5.0	HAP205080P5R
2.0	4.0	6.0	3.2	HAP204060P32R	2.0	5.0	8.0	6.0	HAP205080P6R
2.0	4.0	6.0	4.0	HAP204060P4R	2.0	5.0	8.0	7.0	HAP205080P7R
2.0	4.0	6.0	5.0	HAP204060P5R	2.0	5.0	8.0	8.0	HAP205080P8R

2.3 Medium - Post Diameter

Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
2.3	3.0	4.0	3.2	HAP233040P32R	2.3	5.0	4.0	3.2	HAP235040P32R
2.3	3.0	4.0	4.0	HAP233040P4R	2.3	5.0	4.0	4.0	HAP235040P4R
2.3	3.0	4.0	5.0	HAP233040P5R	2.3	5.0	4.0	5.0	HAP235040P5R
2.3	3.0	4.0	6.0	HAP233040P6R	2.3	5.0	4.0	6.0	HAP235040P6R
2.3	3.0	4.0	7.0	HAP233040P7R	2.3	5.0	4.0	7.0	HAP235040P7R
2.3	3.0	4.0	8.0	HAP233040P8R	2.3	5.0	4.0	8.0	HAP235040P8R
2.3	3.0	6.0	3.2	HAP233060P32R	2.3	5.0	6.0	3.2	HAP235060P32R
2.3	3.0	6.0	4.0	HAP233060P4R	2.3	5.0	6.0	4.0	HAP235060P4R
2.3	3.0	6.0	5.0	HAP233060P5R	2.3	5.0	6.0	5.0	HAP235060P5R
2.3	3.0	6.0	6.0	HAP233060P6R	2.3	5.0	6.0	6.0	HAP235060P6R
2.3	3.0	6.0	7.0	HAP233060P7R	2.3	5.0	6.0	7.0	HAP235060P7R
2.3	3.0	6.0	8.0	HAP233060P8R	2.3	5.0	6.0	8.0	HAP235060P8R
2.3	3.0	8.0	3.2	HAP233080P32R	2.3	5.0	8.0	3.2	HAP235080P32R
2.3	3.0	8.0	4.0	HAP233080P4R	2.3	5.0	8.0	4.0	HAP235080P4R
2.3	3.0	8.0	5.0	HAP233080P5R	2.3	5.0	8.0	5.0	HAP235080P5R
2.3	3.0	8.0	6.0	HAP233080P6R	2.3	5.0	8.0	6.0	HAP235080P6R
2.3	3.0	8.0	7.0	HAP233080P7R	2.3	5.0	8.0	7.0	HAP235080P7R
2.3	3.0	8.0	8.0	HAP233080P8R	2.3	5.0	8.0	8.0	HAP235080P8R
2.3	4.0	4.0	3.2	HAP234040P32R	2.3	6.5	4.0	3.2	HAP236540P32R
2.3	4.0	4.0	4.0	HAP234040P4R	2.3	6.5	4.0	4.0	HAP236540P4R
2.3	4.0	4.0	5.0	HAP234040P5R	2.3	6.5	4.0	5.0	HAP236540P5R
2.3	4.0	4.0	6.0	HAP234040P6R	2.3	6.5	4.0	6.0	HAP236540P6R
2.3	4.0	4.0	7.0	HAP234040P7R	2.3	6.5	4.0	7.0	HAP236540P7R
2.3	4.0	4.0	8.0	HAP234040P8R	2.3	6.5	4.0	8.0	HAP236540P8R
2.3	4.0	6.0	3.2	HAP234060P32R	2.3	6.5	6.0	3.2	HAP236560P32R
2.3	4.0	6.0	4.0	HAP234060P4R	2.3	6.5	6.0	4.0	HAP236560P4R
2.3	4.0	6.0	5.0	HAP234060P5R	2.3	6.5	6.0	5.0	HAP236560P5R
2.3	4.0	6.0	6.0	HAP234060P6R	2.3	6.5	6.0	6.0	HAP236560P6R
2.3	4.0	6.0	7.0	HAP234060P7R	2.3	6.5	6.0	7.0	HAP236560P7R
2.3	4.0	6.0	8.0	HAP234060P8R	2.3	6.5	6.0	8.0	HAP236560P8R
2.3	4.0	8.0	3.2	HAP234080P32R	2.3	6.5	8.0	3.2	HAP236580P32R
2.3	4.0	8.0	4.0	HAP234080P4R	2.3	6.5	8.0	4.0	HAP236580P4R
2.3	4.0	8.0	5.0	HAP234080P5R	2.3	6.5	8.0	5.0	HAP236580P5R
2.3	4.0	8.0	6.0	HAP234080P6R	2.3	6.5	8.0	6.0	HAP236580P6R
2.3	4.0	8.0	7.0	HAP234080P7R	2.3	6.5	8.0	7.0	HAP236580P7R
2.3	4.0	8.0	8.0	HAP234080P8R	2.3	6.5	8.0	8.0	HAP236580P8R

3.0 Large - Post Diameter

Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
3.0	4.0	4.0	3.2	HAP304040P32R	3.0	6.5	4.0	3.2	HAP306540P32R
3.0	4.0	4.0	4.0	HAP304040P4R	3.0	6.5	4.0	4.0	HAP306540P4R
3.0	4.0	4.0	5.0	HAP304040P5R	3.0	6.5	4.0	5.0	HAP306540P5R
3.0	4.0	4.0	6.0	HAP304040P6R	3.0	6.5	4.0	6.0	HAP306540P6R
3.0	4.0	4.0	7.0	HAP304040P7R	3.0	6.5	4.0	7.0	HAP306540P7R
3.0	4.0	4.0	8.0	HAP304040P8R	3.0	6.5	4.0	8.0	HAP306540P8R
3.0	4.0	6.0	3.2	HAP304060P32R	3.0	6.5	6.0	3.2	HAP306560P32R
3.0	4.0	6.0	4.0	HAP304060P4R	3.0	6.5	6.0	4.0	HAP306560P4R
3.0	4.0	6.0	5.0	HAP304060P5R	3.0	6.5	6.0	5.0	HAP306560P5R
3.0	4.0	6.0	6.0	HAP304060P6R	3.0	6.5	6.0	6.0	HAP306560P6R
3.0	4.0	6.0	7.0	HAP304060P7R	3.0	6.5	6.0	7.0	HAP306560P7R
3.0	4.0	6.0	8.0	HAP304060P8R	3.0	6.5	6.0	8.0	HAP306560P8R
3.0	4.0	8.0	3.2	HAP304080P32R	3.0	6.5	8.0	3.2	HAP306580P32R
3.0	4.0	8.0	4.0	HAP304080P4R	3.0	6.5	8.0	4.0	HAP306580P4R
3.0	4.0	8.0	5.0	HAP304080P5R	3.0	6.5	8.0	5.0	HAP306580P5R
3.0	4.0	8.0	6.0	HAP304080P6R	3.0	6.5	8.0	6.0	HAP306580P6R
3.0	4.0	8.0	7.0	HAP304080P7R	3.0	6.5	8.0	7.0	HAP306580P7R
3.0	4.0	8.0	8.0	HAP304080P8R	3.0	6.5	8.0	8.0	HAP306580P8R
3.0	5.0	4.0	3.2	HAP305040P32R	3.0	8.0	4.0	3.2	HAP308040P32R
3.0	5.0	4.0	4.0	HAP305040P4R	3.0	8.0	4.0	4.0	HAP308040P4R
3.0	5.0	4.0	5.0	HAP305040P5R	3.0	8.0	4.0	5.0	HAP308040P5R
3.0	5.0	4.0	6.0	HAP305040P6R	3.0	8.0	4.0	6.0	HAP308040P6R
3.0	5.0	4.0	7.0	HAP305040P7R	3.0	8.0	4.0	7.0	HAP308040P7R
3.0	5.0	4.0	8.0	HAP305040P8R	3.0	8.0	4.0	8.0	HAP308040P8R
3.0	5.0	6.0	3.2	HAP305060P32R	3.0	8.0	6.0	3.2	HAP308060P32R
3.0	5.0	6.0	4.0	HAP305060P4R	3.0	8.0	6.0	4.0	HAP308060P4R
3.0	5.0	6.0	5.0	HAP305060P5R	3.0	8.0	6.0	5.0	HAP308060P5R
3.0	5.0	6.0	6.0	HAP305060P6R	3.0	8.0	6.0	6.0	HAP308060P6R
3.0	5.0	6.0	7.0	HAP305060P7R	3.0	8.0	6.0	7.0	HAP308060P7R
3.0	5.0	6.0	8.0	HAP305060P8R	3.0	8.0	6.0	8.0	HAP308060P8R
3.0	5.0	8.0	3.2	HAP305080P32R	3.0	8.0	8.0	3.2	HAP308080P32R
3.0	5.0	8.0	4.0	HAP305080P4R	3.0	8.0	8.0	4.0	HAP308080P4R
3.0	5.0	8.0	5.0	HAP305080P5R	3.0	8.0	8.0	5.0	HAP308080P5R
3.0	5.0	8.0	6.0	HAP305080P6R	3.0	8.0	8.0	6.0	HAP308080P6R
3.0	5.0	8.0	7.0	HAP305080P7R	3.0	8.0	8.0	7.0	HAP308080P7R
3.0	5.0	8.0	8.0	HAP305080P8R	3.0	8.0	8.0	8.0	HAP308080P8R

Screw Abutment Catalog

Ref No.	SAP203040P32R
	1 2 3 4 5 6
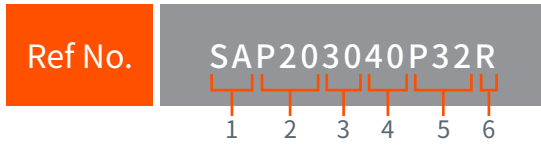
01. Product ex) Screw Abutment
02. Post ex) 2.0mm
03. Width ex) 3.0mm
04. Height ex) 4.0mm
05. PL ex) 3.2mm
06. Type ex) Round Type

2.0 Small - Post Diameter
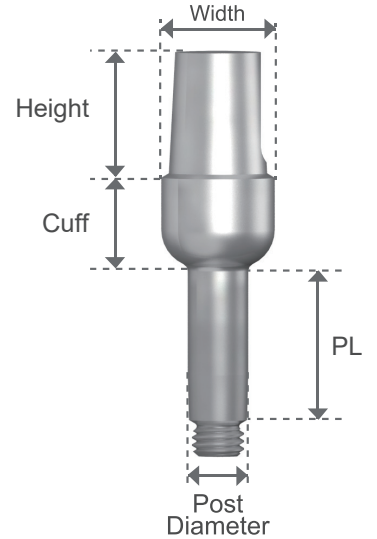
Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
2.0	3.0	4.0	3.2	SAP203040P32R	2.0	4.0	6.0	6.0	SAP204060P6R
2.0	3.0	4.0	4.0	SAP203040P4R	2.0	4.0	6.0	7.0	SAP204060P7R
2.0	3.0	4.0	5.0	SAP203040P5R	2.0	4.0	6.0	8.0	SAP204060P8R
2.0	3.0	4.0	6.0	SAP203040P6R	2.0	4.0	8.0	3.2	SAP204080P32R
2.0	3.0	4.0	7.0	SAP203040P7R	2.0	4.0	8.0	4.0	SAP204080P4R
2.0	3.0	4.0	8.0	SAP203040P8R	2.0	4.0	8.0	5.0	SAP204080P5R
2.0	3.0	6.0	3.2	SAP203060P32R	2.0	4.0	8.0	6.0	SAP204080P6R
2.0	3.0	6.0	4.0	SAP203060P4R	2.0	4.0	8.0	7.0	SAP204080P7R
2.0	3.0	6.0	5.0	SAP203060P5R	2.0	4.0	8.0	8.0	SAP204080P8R
2.0	3.0	6.0	6.0	SAP203060P6R	2.0	5.0	4.0	3.2	SAP205040P32R
2.0	3.0	6.0	7.0	SAP203060P7R	2.0	5.0	4.0	4.0	SAP205040P4R
2.0	3.0	6.0	8.0	SAP203060P8R	2.0	5.0	4.0	5.0	SAP205040P5R
2.0	3.0	8.0	3.2	SAP203080P32R	2.0	5.0	4.0	6.0	SAP205040P6R
2.0	3.0	8.0	4.0	SAP203080P4R	2.0	5.0	4.0	7.0	SAP205040P7R
2.0	3.0	8.0	5.0	SAP203080P5R	2.0	5.0	4.0	8.0	SAP205040P8R
2.0	3.0	8.0	6.0	SAP203080P6R	2.0	5.0	6.0	3.2	SAP205060P32R
2.0	3.0	8.0	7.0	SAP203080P7R	2.0	5.0	6.0	4.0	SAP205060P4R
2.0	3.0	8.0	8.0	SAP203080P8R	2.0	5.0	6.0	5.0	SAP205060P5R
2.0	4.0	4.0	3.2	SAP204040P32R	2.0	5.0	6.0	6.0	SAP205060P6R
2.0	4.0	4.0	4.0	SAP204040P4R	2.0	5.0	6.0	7.0	SAP205060P7R
2.0	4.0	4.0	5.0	SAP204040P5R	2.0	5.0	6.0	8.0	SAP205060P8R
2.0	4.0	4.0	6.0	SAP204040P6R	2.0	5.0	8.0	3.2	SAP205080P32R
2.0	4.0	4.0	7.0	SAP204040P7R	2.0	5.0	8.0	4.0	SAP205080P4R
2.0	4.0	4.0	8.0	SAP204040P8R	2.0	5.0	8.0	5.0	SAP205080P5R
2.0	4.0	6.0	3.2	SAP204060P32R	2.0	5.0	8.0	6.0	SAP205080P6R
2.0	4.0	6.0	4.0	SAP204060P4R	2.0	5.0	8.0	7.0	SAP205080P7R
2.0	4.0	6.0	5.0	SAP204060P5R	2.0	5.0	8.0	8.0	SAP205080P8R

2.3 Medium - Post Diameter

Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
2.3	3.0	4.0	3.2	SAP233040P32R	2.3	5.0	4.0	3.2	SAP235040P32R
2.3	3.0	4.0	4.0	SAP233040P4R	2.3	5.0	4.0	4.0	SAP235040P4R
2.3	3.0	4.0	5.0	SAP233040P5R	2.3	5.0	4.0	5.0	SAP235040P5R
2.3	3.0	4.0	6.0	SAP233040P6R	2.3	5.0	4.0	6.0	SAP235040P6R
2.3	3.0	4.0	7.0	SAP233040P7R	2.3	5.0	4.0	7.0	SAP235040P7R
2.3	3.0	4.0	8.0	SAP233040P8R	2.3	5.0	4.0	8.0	SAP235040P8R
2.3	3.0	6.0	3.2	SAP233060P32R	2.3	5.0	6.0	3.2	SAP235060P32R
2.3	3.0	6.0	4.0	SAP233060P4R	2.3	5.0	6.0	4.0	SAP235060P4R
2.3	3.0	6.0	5.0	SAP233060P5R	2.3	5.0	6.0	5.0	SAP235060P5R
2.3	3.0	6.0	6.0	SAP233060P6R	2.3	5.0	6.0	6.0	SAP235060P6R
2.3	3.0	6.0	7.0	SAP233060P7R	2.3	5.0	6.0	7.0	SAP235060P7R
2.3	3.0	6.0	8.0	SAP233060P8R	2.3	5.0	6.0	8.0	SAP235060P8R
2.3	3.0	8.0	3.2	SAP233080P32R	2.3	5.0	8.0	3.2	SAP235080P32R
2.3	3.0	8.0	4.0	SAP233080P4R	2.3	5.0	8.0	4.0	SAP235080P4R
2.3	3.0	8.0	5.0	SAP233080P5R	2.3	5.0	8.0	5.0	SAP235080P5R
2.3	3.0	8.0	6.0	SAP233080P6R	2.3	5.0	8.0	6.0	SAP235080P6R
2.3	3.0	8.0	7.0	SAP233080P7R	2.3	5.0	8.0	7.0	SAP235080P7R
2.3	3.0	8.0	8.0	SAP233080P8R	2.3	5.0	8.0	8.0	SAP235080P8R
2.3	4.0	4.0	3.2	SAP234040P32R	2.3	6.5	4.0	3.2	SAP236540P32R
2.3	4.0	4.0	4.0	SAP234040P4R	2.3	6.5	4.0	4.0	SAP236540P4R
2.3	4.0	4.0	5.0	SAP234040P5R	2.3	6.5	4.0	5.0	SAP236540P5R
2.3	4.0	4.0	6.0	SAP234040P6R	2.3	6.5	4.0	6.0	SAP236540P6R
2.3	4.0	4.0	7.0	SAP234040P7R	2.3	6.5	4.0	7.0	SAP236540P7R
2.3	4.0	4.0	8.0	SAP234040P8R	2.3	6.5	4.0	8.0	SAP236540P8R
2.3	4.0	6.0	3.2	SAP234060P32R	2.3	6.5	6.0	3.2	SAP236560P32R
2.3	4.0	6.0	4.0	SAP234060P4R	2.3	6.5	6.0	4.0	SAP236560P4R
2.3	4.0	6.0	5.0	SAP234060P5R	2.3	6.5	6.0	5.0	SAP236560P5R
2.3	4.0	6.0	6.0	SAP234060P6R	2.3	6.5	6.0	6.0	SAP236560P6R
2.3	4.0	6.0	7.0	SAP234060P7R	2.3	6.5	6.0	7.0	SAP236560P7R
2.3	4.0	6.0	8.0	SAP234060P8R	2.3	6.5	6.0	8.0	SAP236560P8R
2.3	4.0	8.0	3.2	SAP234080P32R	2.3	6.5	8.0	3.2	SAP236580P32R
2.3	4.0	8.0	4.0	SAP234080P4R	2.3	6.5	8.0	4.0	SAP236580P4R
2.3	4.0	8.0	5.0	SAP234080P5R	2.3	6.5	8.0	5.0	SAP236580P5R
2.3	4.0	8.0	6.0	SAP234080P6R	2.3	6.5	8.0	6.0	SAP236580P6R
2.3	4.0	8.0	7.0	SAP234080P7R	2.3	6.5	8.0	7.0	SAP236580P7R
2.3	4.0	8.0	8.0	SAP234080P8R	2.3	6.5	8.0	8.0	SAP236580P8R

3.0 Large - Post Diameter

Post	Width	Height	PL	Ref No.	Post	Width	Height	PL	Ref No.
3.0	4.0	4.0	3.2	SAP304040P32R	3.0	6.5	4.0	3.2	SAP306540P32R
3.0	4.0	4.0	4.0	SAP304040P4R	3.0	6.5	4.0	4.0	SAP306540P4R
3.0	4.0	4.0	5.0	SAP304040P5R	3.0	6.5	4.0	5.0	SAP306540P5R
3.0	4.0	4.0	6.0	SAP304040P6R	3.0	6.5	4.0	6.0	SAP306540P6R
3.0	4.0	4.0	7.0	SAP304040P7R	3.0	6.5	4.0	7.0	SAP306540P7R
3.0	4.0	4.0	8.0	SAP304040P8R	3.0	6.5	4.0	8.0	SAP306540P8R
3.0	4.0	6.0	3.2	SAP304060P32R	3.0	6.5	6.0	3.2	SAP306560P32R
3.0	4.0	6.0	4.0	SAP304060P4R	3.0	6.5	6.0	4.0	SAP306560P4R
3.0	4.0	6.0	5.0	SAP304060P5R	3.0	6.5	6.0	5.0	SAP306560P5R
3.0	4.0	6.0	6.0	SAP304060P6R	3.0	6.5	6.0	6.0	SAP306560P6R
3.0	4.0	6.0	7.0	SAP304060P7R	3.0	6.5	6.0	7.0	SAP306560P7R
3.0	4.0	6.0	8.0	SAP304060P8R	3.0	6.5	6.0	8.0	SAP306560P8R
3.0	4.0	8.0	3.2	SAP304080P32R	3.0	6.5	8.0	3.2	SAP306580P32R
3.0	4.0	8.0	4.0	SAP304080P4R	3.0	6.5	8.0	4.0	SAP306580P4R
3.0	4.0	8.0	5.0	SAP304080P5R	3.0	6.5	8.0	5.0	SAP306580P5R
3.0	4.0	8.0	6.0	SAP304080P6R	3.0	6.5	8.0	6.0	SAP306580P6R
3.0	4.0	8.0	7.0	SAP304080P7R	3.0	6.5	8.0	7.0	SAP306580P7R
3.0	4.0	8.0	8.0	SAP304080P8R	3.0	6.5	8.0	8.0	SAP306580P8R
3.0	5.0	4.0	3.2	SAP305040P32R	3.0	8.0	4.0	3.2	SAP308040P32R
3.0	5.0	4.0	4.0	SAP305040P4R	3.0	8.0	4.0	4.0	SAP308040P4R
3.0	5.0	4.0	5.0	SAP305040P5R	3.0	8.0	4.0	5.0	SAP308040P5R
3.0	5.0	4.0	6.0	SAP305040P6R	3.0	8.0	4.0	6.0	SAP308040P6R
3.0	5.0	4.0	7.0	SAP305040P7R	3.0	8.0	4.0	7.0	SAP308040P7R
3.0	5.0	4.0	8.0	SAP305040P8R	3.0	8.0	4.0	8.0	SAP308040P8R
3.0	5.0	6.0	3.2	SAP305060P32R	3.0	8.0	6.0	3.2	SAP308060P32R
3.0	5.0	6.0	4.0	SAP305060P4R	3.0	8.0	6.0	4.0	SAP308060P4R
3.0	5.0	6.0	5.0	SAP305060P5R	3.0	8.0	6.0	5.0	SAP308060P5R
3.0	5.0	6.0	6.0	SAP305060P6R	3.0	8.0	6.0	6.0	SAP308060P6R
3.0	5.0	6.0	7.0	SAP305060P7R	3.0	8.0	6.0	7.0	SAP308060P7R
3.0	5.0	6.0	8.0	SAP305060P8R	3.0	8.0	6.0	8.0	SAP308060P8R
3.0	5.0	8.0	3.2	SAP305080P32R	3.0	8.0	8.0	3.2	SAP308080P32R
3.0	5.0	8.0	4.0	SAP305080P4R	3.0	8.0	8.0	4.0	SAP308080P4R
3.0	5.0	8.0	5.0	SAP305080P5R	3.0	8.0	8.0	5.0	SAP308080P5R
3.0	5.0	8.0	6.0	SAP305080P6R	3.0	8.0	8.0	6.0	SAP308080P6R
3.0	5.0	8.0	7.0	SAP305080P7R	3.0	8.0	8.0	7.0	SAP308080P7R
3.0	5.0	8.0	8.0	SAP305080P8R	3.0	8.0	8.0	8.0	SAP308080P8R

Angle Abutment Catalog

Ref No.	HAA205080P4_10E

1 2 3 4 5 6 7
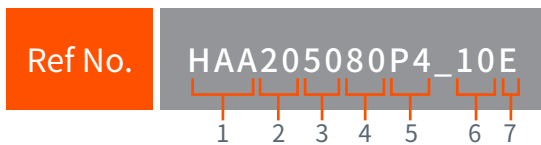
01. Product ex) Angle Abutment
02. Post ex) 2.0mm
03. Width ex) 5.0mm
04. Height ex) 8.0mm
05. PL ex) 4.0mm
06. Angle ex) 10°
07. Position ex) Even

Width
Angle
Height
Cuff
PL
Post Diameter
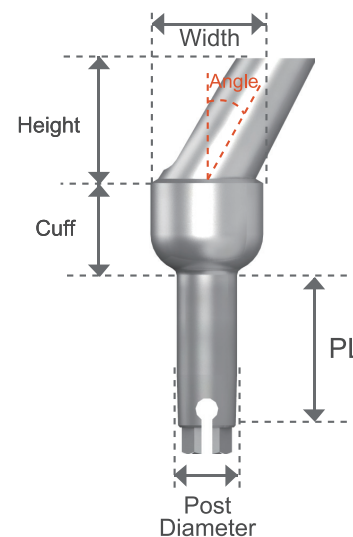
2.0 Small - Post Diameter

Post	Width	Height	PL	Angle	Hex. Position	Ref No.
2.0	5.0	8.0	4.0	10	Even	HAA205080P4_10E
2.0	5.0	8.0	4.0	10	Odd	HAA205080P4_10O
2.0	5.0	8.0	4.0	20	Even	HAA205080P4_20E
2.0	5.0	8.0	4.0	20	Odd	HAA205080P4_20O
2.0	5.0	8.0	5.0	10	Even	HAA205080P5_10E
2.0	5.0	8.0	5.0	10	Odd	HAA205080P5_10O
2.0	5.0	8.0	5.0	20	Even	HAA205080P5_20E
2.0	5.0	8.0	5.0	20	Odd	HAA205080P5_20O
2.0	5.0	8.0	6.0	10	Even	HAA205080P6_10E
2.0	5.0	8.0	6.0	10	Odd	HAA205080P6_10O
2.0	5.0	8.0	6.0	20	Even	HAA205080P6_20E
2.0	5.0	8.0	6.0	20	Odd	HAA205080P6_20O
2.0	5.0	8.0	7.0	10	Even	HAA205080P7_10E
2.0	5.0	8.0	7.0	10	Odd	HAA205080P7_10O
2.0	5.0	8.0	7.0	20	Even	HAA205080P7_20E
2.0	5.0	8.0	7.0	20	Odd	HAA205080P7_20O
2.0	5.0	8.0	8.0	10	Even	HAA205080P8_10E
2.0	5.0	8.0	8.0	10	Odd	HAA205080P8_10O
2.0	5.0	8.0	8.0	20	Even	HAA205080P8_20E
2.0	5.0	8.0	8.0	20	Odd	HAA205080P8_20O

2.3 Medium - Post Diameter

Post	Width	Height	PL	Angle	Hex. Position	Ref No.
2.3	5.0	8.0	5.0	10	Even	HAA235080P5_10E
2.3	5.0	8.0	5.0	10	Odd	HAA235080P5_10O
2.3	5.0	8.0	5.0	20	Even	HAA235080P5_20E
2.3	5.0	8.0	5.0	20	Odd	HAA235080P5_20O
2.3	5.0	8.0	6.0	10	Even	HAA235080P6_10E
2.3	5.0	8.0	6.0	10	Odd	HAA235080P6_10O
2.3	5.0	8.0	6.0	20	Even	HAA235080P6_20E
2.3	5.0	8.0	6.0	20	Odd	HAA235080P6_20O
2.3	5.0	8.0	7.0	10	Even	HAA235080P7_10E
2.3	5.0	8.0	7.0	10	Odd	HAA235080P7_10O
2.3	5.0	8.0	7.0	20	Even	HAA235080P7_20E
2.3	5.0	8.0	7.0	20	Odd	HAA235080P7_20O
2.3	5.0	8.0	8.0	10	Even	HAA235080P8_10E
2.3	5.0	8.0	8.0	10	Odd	HAA235080P8_10O
2.3	5.0	8.0	8.0	20	Even	HAA235080P8_20E
2.3	5.0	8.0	8.0	20	Odd	HAA235080P8_20O

3.0 Large - Post Diameter

Post	Width	Height	PL	Angle	Hex. Position	Ref No.
3.0	5.0	6.5	3.2	10	Even	HAA305065P32_10E
3.0	5.0	6.5	3.2	10	Odd	HAA305065P32_10O
3.0	5.0	6.5	3.2	20	Even	HAA305065P32_20E
3.0	5.0	6.5	3.2	20	Odd	HAA305065P32_20O
3.0	5.0	6.5	4.0	10	Even	HAA305065P4_10E
3.0	5.0	6.5	4.0	10	Odd	HAA305065P4_10O
3.0	5.0	6.5	4.0	20	Even	HAA305065P4_20E
3.0	5.0	6.5	4.0	20	Odd	HAA305065P4_20O
3.0	5.0	6.5	6.0	10	Even	HAA305065P6_10E
3.0	5.0	6.5	6.0	10	Odd	HAA305065P6_10O
3.0	5.0	6.5	6.0	20	Even	HAA305065P6_20E
3.0	5.0	6.5	6.0	20	Odd	HAA305065P6_20O
3.0	5.0	8.0	4.0	10	Even	HAA305080P4_10E
3.0	5.0	8.0	4.0	10	Odd	HAA305080P4_10O

3.0 Large - Post Diameter

Post	Width	Height	PL	Angle	Hex. Position	Ref No.
3.0	5.0	8.0	4.0	20	Even	HAA305080P4_20E
3.0	5.0	8.0	4.0	20	Odd	HAA305080P4_20O
3.0	5.0	8.0	5.0	10	Even	HAA305080P5_10E
3.0	5.0	8.0	5.0	10	Odd	HAA305080P5_10O
3.0	5.0	8.0	5.0	20	Even	HAA305080P5_20E
3.0	5.0	8.0	5.0	20	Odd	HAA305080P5_20O
3.0	5.0	8.0	6.0	10	Even	HAA305080P6_10E
3.0	5.0	8.0	6.0	10	Odd	HAA305080P6_10O
3.0	5.0	8.0	6.0	20	Even	HAA305080P6_20E
3.0	5.0	8.0	6.0	20	Odd	HAA305080P6_20O
3.0	5.0	8.0	7.0	10	Even	HAA305080P7_10E
3.0	5.0	8.0	7.0	10	Odd	HAA305080P7_10O
3.0	5.0	8.0	7.0	20	Even	HAA305080P7_20E
3.0	5.0	8.0	7.0	20	Odd	HAA305080P7_20O
3.0	5.0	8.0	8.0	10	Even	HAA305080P8_10E
3.0	5.0	8.0	8.0	10	Odd	HAA305080P8_10O
3.0	5.0	8.0	8.0	20	Even	HAA305080P8_20E
3.0	5.0	8.0	8.0	20	Odd	HAA305080P8_20O
3.0	6.5	4.0	4.0	10	Even	HAA306540P4_10E
3.0	6.5	4.0	4.0	10	Odd	HAA306540P4_10O
3.0	6.5	4.0	4.0	20	Even	HAA306540P4_20E
3.0	6.5	4.0	4.0	20	Odd	HAA306540P4_20O
3.0	6.5	6.0	5.0	10	Even	HAA306560P5_10E
3.0	6.5	6.0	5.0	10	Odd	HAA306560P5_10O
3.0	6.5	6.0	5.0	20	Even	HAA306560P5_20E
3.0	6.5	6.0	5.0	20	Odd	HAA306560P5_20O
3.0	6.5	6.0	6.0	10	Even	HAA306560P6_10E
3.0	6.5	6.0	6.0	10	Odd	HAA306560P6_10O
3.0	6.5	6.0	6.0	20	Even	HAA306560P6_20E
3.0	6.5	6.0	6.0	20	Odd	HAA306560P6_20O
3.0	6.5	6.5	3.2	10	Even	HAA306565P32_10E
3.0	6.5	6.5	3.2	10	Odd	HAA306565P32_10O
3.0	6.5	6.5	3.2	20	Even	HAA306565P32_20E
3.0	6.5	6.5	3.2	20	Odd	HAA306565P32_20O
3.0	6.5	6.5	4.0	10	Even	HAA306565P4_10E
3.0	6.5	6.5	4.0	10	Odd	HAA306565P4_10O

3.0 Large - Post Diameter

Post	Width	Height	PL	Angle	Hex. Position	Ref No.
3.0	6.5	6.5	4.0	20	Even	HAA306565P4_20E
3.0	6.5	6.5	4.0	20	Odd	HAA306565P4_20O
3.0	6.5	6.5	6.0	10	Even	HAA306565P6_10E
3.0	6.5	6.5	6.0	10	Odd	HAA306565P6_10O
3.0	6.5	6.5	6.0	20	Even	HAA306565P6_20E
3.0	6.5	6.5	6.0	20	Odd	HAA306565P6_20O
3.0	6.5	8.0	5.0	10	Even	HAA306580P5_10E
3.0	6.5	8.0	5.0	10	Odd	HAA306580P5_10O
3.0	6.5	8.0	5.0	20	Even	HAA306580P5_20E
3.0	6.5	8.0	5.0	20	Odd	HAA306580P5_20O
3.0	6.5	8.0	6.0	10	Even	HAA306580P6_10E
3.0	6.5	8.0	6.0	10	Odd	HAA306580P6_10O
3.0	6.5	8.0	6.0	20	Even	HAA306580P6_20E
3.0	6.5	8.0	6.0	20	Odd	HAA306580P6_20O
3.0	6.5	8.0	7.0	10	Even	HAA306580P7_10E
3.0	6.5	8.0	7.0	10	Odd	HAA306580P7_10O
3.0	6.5	8.0	7.0	20	Even	HAA306580P7_20E
3.0	6.5	8.0	7.0	20	Odd	HAA306580P7_20O
3.0	6.5	8.0	8.0	10	Even	HAA306580P8_10E
3.0	6.5	8.0	8.0	10	Odd	HAA306580P8_10O
3.0	6.5	8.0	8.0	20	Even	HAA306580P8_20E
3.0	6.5	8.0	8.0	20	Odd	HAA306580P8_20O