

BIO TEM IMPLANT SYSTEM

AR | Submerged Implant System

IR | Tissue Level Implant System

BR | External Hex Implant System

MR | One Body Implant System

SANTA & BIOARK

BIOTEM Surgical Kit

BIOTEM Digital Part

BIOTEM Bone Graft Material

BIO^{TEM}
DENTAL IMPLANT SYSTEM

CEO's Message	05
History	06
Official Endorsement from a Leading Dentist	07
Biotem Implant Surface Feature	09
AR Submerged Implant System	
AR Implant Feature	12
AR Drilling Sequence	13
AR Fixture	15
AR Abutment	17
AR Prosthetic Flow Chart	18
AR Abutment	19
AR Prosthetic Flow Chart	20
AR Abutment	21
AR Impression Coping	28
AR Lab Analog	31
AR Prosthetic Flow Chart	32
AR Multi Abutment	33
AR Multi Component	34
AR Prosthetic Flow Chart	36
AR Locator Abutment	37
AR Abutment Locator Component	38
AR Ball Abutment & Component	39
AR Narrow O-Type	41
SANTA & BIOARK	51
IR Tissue Level Implant System	
IR Implant Feature	54
IR Prosthetic Flow Chart	55
IR Drilling Sequence	56
IR Fixture	58
IR Screw & Abutment	59
IR Analog & Coping	62
BR External Hex Implant System	
BR Implant Feature	66
BR Prosthetic Flow Chart	67
BR Drilling Sequence	68
BR Fixture	70
BR Abutment	71
BR Abutment & Coping	74
BR Lab Analog & Coping	75
MR One Body Implant System	
MR Drilling Sequence	78
MR Fixture	79
MR Implant Narrow Ridge Components	81
MR Fixture	82
MR Implant Denture Components	83
BIOTEM Digital Part	
Digital Feature-Scan Body	86
Digital Feature-Scan Body (Intra-Oral)	87
Digital Feature-Scan Body (Model)	88
How To Use Scan Body	89
Digital Feature-DBTS Technique	90

CONTENTS

Digital Feature-Scane Body	91
Digital Feature-GeoMedi	91
Digital Feature-q_base	92
Digital Feature-Ti_base	94
Digital Feature-HERI System	95
Digital Feature	96
BIOTEM Surgical Kit	
Sohn's Bone Builder	102
Sohn's Bone Builder	103
Surgical Kit	104
Surgical Kit Component	104
Other Component	109
Convenient Kit Component	111
Santa Surgical Kit	113
SANTA Surgical Kit Component	114
MR Kit	116
MR Kit Component	117
Surgical Guide Kit	119
Surgical Guide Kit Component	119
Bone Pen Kit Air	124
Fixture & Screw Remover Kit	126
C&L Sinus Kit	130
BIOTEM Bone Graft Material	
SANTA Oss	134
SANTA Oss Clinical Case	135
Inno Oss-Allo	136
Inno Oss-Allo Clinical Case	137
Inno-Oss Clinical Case	139
Mega Derm Plus Clinical Case	141
Bone Plant	142
Bone Plant Clinical Case	143
How To Join With a Fixture Driver	144
Certificates	145

CEO'S MESSAGE



*Hot heads and cold hearts never solve anything
Cold heads and hot hearts can solve everything!*

Biotem Co. Ltd, has been working to improve and enhance dental implant technology for many years in order to provide the most satisfying product for both patients and dentists.

With this accumulated experience, our technical know-how has reached a very high level. We have gained international certifications such as ISO 13485, CE, along with KGMP, and have expanded into the global market.

Currently, Korea's standard of dental implant technology is among the best and most advanced in the world. Patients are now seeking more advanced implant services. Therefore, to meet patients' high expectations, dentists and implant companies have been striving to increase their technological standards.

For this reason, Biotem has also developed a new technology called the Bio-Dental Implant System, and we are soon ready to begin the mass production process. Biotem implant products allow dentists to operate more safely and easily, while patients can be satisfied with full credibility.

We will make every effort to become an excellent world-leading implant company that continuously develops innovative technology to improve the lives of people around the world.

Sincerely Yours.

Biotem Corp. CEO Young-ho, Lee



2024	12	BIOTEM Vietnam World Symposiim 10 Million Dollar Export Tower Awarded
2023	12	7 Million Dollar Export Tower Award
2021	01	Russia Certificate
2020	02	Participated in WCUPS in Philippines (Contract with agency of Philippines)
	02	AEEDC(DUBAI Exhibition) (Contract with agency of Iraq, Egypt)
	01	Japan Certificate
2019	09	Live Surgery in Ho Chi Minh, Vietnam
	06	Participated in WCUPS in Netherlands
	03	Germany Cologne IDS Exhibition Participation (Contract with agency of Russia)
2018	03	Phuket Thailand BIOTEM World Symposium
2017	10	F.D.A Certificate
	03	Germany Cologne IDS exhibition participation. (Contract with agency of Portugal, Italy, Jordan, Swiss etc.)
	01	Participated in WCUPS in India
2016	10	Establishment of BIOTEM Implant ltd. in Thailand.
	10	Singapore ICOI participation
2015	03	Germany Cologne IDS exhibition participation (Contract with agency of England, Thailand and Myanmar)
2014	11	Purchase new factory in Busan.
	09	Establishment company-affiliated R&D center.
	06	Selected to be an export promising company.
2013	03	Germany Cologne IDS exhibition participation (Contract with agency of Chile and Iran)
	02	Dubai exhibition participation.
	01	Contract with agency of Spain.
2012	06	Korea SIDEX exhibition participation. (Contract with agency of China.)
2011	03	Germany Cologne IDS exhibition participation (Contract with agency of Lebanon, Turkey and Peru)
2010	11	Selected to be a venture capital company.
2009	10	Obtained CE certification.
	06	Obtained ISO13485:2003 certification.
	03	Obtained certification of "AR"(Internal Sub - Merged type Fixture) (Cert. No. 09-720)
	01	Obtained certification of "IR"(Internal One - Stage type Fixture) (Cert. No. 09-56)
2008	12	Obtained KGMP certification.
	11	Obtained certification of "Abutment" (Cert. No. 08-833) Obtained certification of "BR"(External Hex type Fixture). (Cert. No.08-834) Obtained license of "Manufacturing of medical devices" (KFDA)
	08	Establishment of BIOTEM Implant factory in Busan, Korea.
2006	03	Launching of "New Development of Biotem implant system"

Recommended!



Prof. Sohn | Daegu Catholic University
Dental clinic from Korea

I have experienced over than 20 years of implant and Biotem implant is one of the best solution to the patients as it is very easy to surgery, good result of symptoms and most fittable to the prosthetic process.



Dr. Eric Park | U.S.A

After placing substantial number of implants with extensive surgical procedures, I had realized the importance of 3 factors for the successful implant tratment , good initial stability, surface treatment for reliable osseointegration, and accurate engagement between parts for minimal crestal bone loss. Biotem implant proved to be superior at all 3 aspects both in vivo and in vitro test.



Dr. Adriano | Italy

I have placed over than 20 years of Implant and I have encountered with a new and innovational implant system which have a perfect outcome in the clinical evaluation. And it is Biotem implant and it is the future dental implant system.



Dr. Raymond | Lebanon

After working with implants for over 15 years, I discovered that Biotem implants' quality and user-friendliness match the best international products, they provide high satisfaction and top performance.



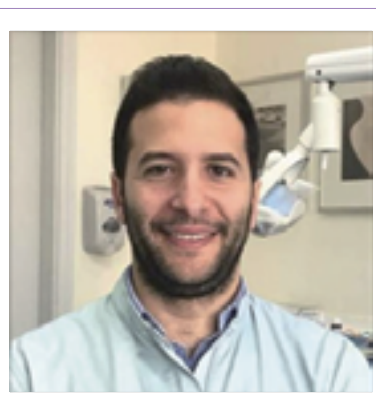
Dr. Roger Saleh | Lebanon

The structure of the Biotem Implants make the implant procedure simple and time efficient. I've been using their implants for over 3 years with excellent results, over a 99% success rate and an aesthetic outcome that the patients appreciate.



Dr. Maleck | Lebanon

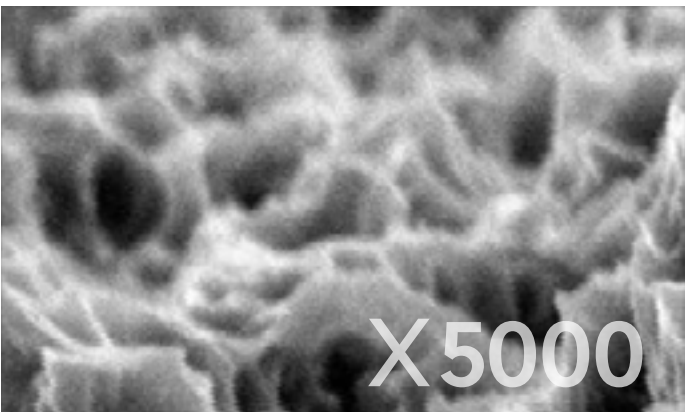
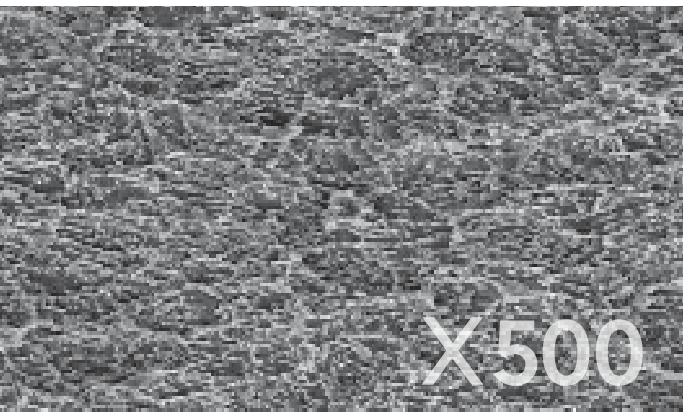
Having worked for 5 years with top notch implants from around the globe, Biotem implant procure unmatched user friendly features, very low failure rate along with professional follow up and great service from the manufacturer and dealer.



Dr. Ali Kodr | Lebanon

I am working in the same clinic with my father who has a very big experience in implantology. He advised me first to place Biotem implant as a trial since he just had the feeling of being a good implant system. After many implants placed. I realized that we can achieve the best result possible with Biotem and we are fulfilling all our patients needs from both sides, function and aesthetics. I recommend every clinic to use Biotem implant for the sake of their patients.

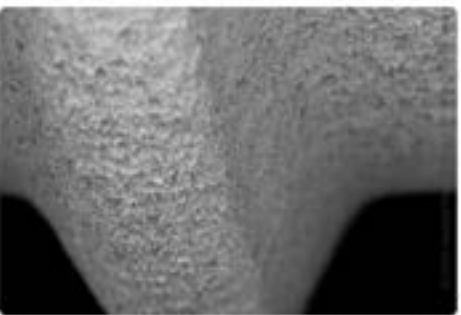
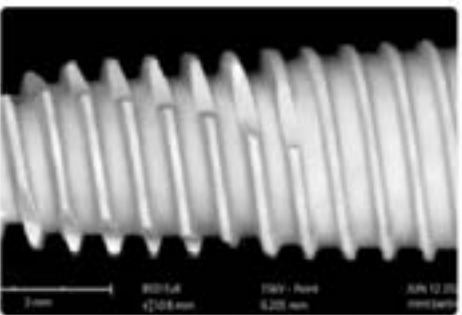
S.L.A (RA 2.2µm)



SANDBLASTED, LARGE-GRIT, ACID-ETCHED

The SLA surface is produced by a large grit sand-blasting. The surface is not microporous and therefore provides no enclosed volumes to reduce vulnerability to bacteria. This method analyzes the first few atomic layers of the surface, and thus the chemical composition of the material which is in direct contact and interacts with tissue fluids and cells.

Clean Implant Certification Acquired



“CLEAN IMPLANT” CERTIFIED FOR UNCOMPROMISING QUALITY

The Clean Implant Foundation, headquartered in Berlin, Germany, is an international non-profit organization that scientifically evaluates the cleanliness and safety of dental implant surfaces. Only implants that meet the strictest standards—through rigorous assessments of contamination levels, particle analysis, and cytotoxicity—are awarded the Clean Implant Certification. BIOTEM's implant systems have passed these rigorous standards, earning Clean Implant Certification for their exceptional surface cleanliness.

AR | SUBMERGED IMPLANT SYSTEM

BIO?EM
DENTAL IMPLANT SYSTEM

AR Submerged Implant System	12
AR Drilling Sequence	13
Non-Micro Thread AR Fixture SLA	15
Tapered AR Fixture SLA	16
Cover Screw	17
Healing Abutment	17
Solid Abutment	19
Protective Cap	19
Cemented/ Angled / Milling / Temporary Fixture Level Impression	20
Cemented Abutment (Hex)	21
Cemented Abutment (Non-Hex)	22
Milling Abutment (Hex)	23
Temporary Abutment (Hex)/(Non-Hex)	24
Angled Abutment (Hex) A-Type	25
Angled Abutment (Hex) B-Type	26
Angled Abutment (Non-Hex)	26
Ti-base Abutment	27
Transfer Impression Coping (Hex)/(Non-Hex)	28
Pick-up Impression Coping (Hex)/(Non-Hex)	29
Plastic Impression Coping	30
Burn-Out Cylinder	30
Fixture Lab Analog	31
Solid Lab Analog	31
Multi Angled Abutment (All-on-X)	33
Multi Abutment (All-on-X)	33
Multi Temporary Cylinder	34
Multi Transfer Impression Coping	34
Multi Pick up Impression Coping	34
Multi Lab Analog	34
Multi Healing Cap	35
Multi Plastic Cylinder	35
Multi Abutment Outer Driver	35
Multi Ti-base	35
Locator Abutment (Narrow)/(Regular)	37
Denture Cap Set	38
Locator Abutment Driver	38
Ball Abutment	39
Retainer Cap Set	39
O-ring	39
O-ring Lab Analog	40
O-ring Abutment Torque driver	40
Non-Micro Thread AR Fixture SLA	41
Cover Screw	41
Healing Abutment	41
Solid Abutment	42
Protective Cap	42
Plastic Impression Coping	42
Cemented Abutment (Hex)/(Non Hex)	43
Milling Abutment (Hex)	44
Temporary Abutment	44
Angled Abutment (Hex)/(Non-Hex)	45
Ti-base Abutment	46
Multi Angled Abutment (All-on-X)	46
Multi Abutment (All-on-X)	46
Transfer Impression Coping	47
Pick-up Impression Coping	47
Lab Analog	48
Solid Lab Analog	48

AR | Submerged Implant System

Single Pitch Macro Thread

- 0.7 pitch x 0.15 depth x double thread
- Synchronized thread design
- Optimized design for SLA surface
- Reinforces fixture strength

Morse Tapered Connection (11°)

- The fixture and abutment interface ensures a hermetic seal
- Distributes load evenly across the fixture, minimizing bone loss

Taper degree 1.5°

- Easy to get initial stability in soft bone

Corkscrew Thread

- 0.7 pitch x 0.35 depth x double thread
- Powerful self-threading
- Maintains implant path
- Allows easy path modification
- Provides high initial stability
- Reduces sensitivity to drill size

AR Implant Features - Apical

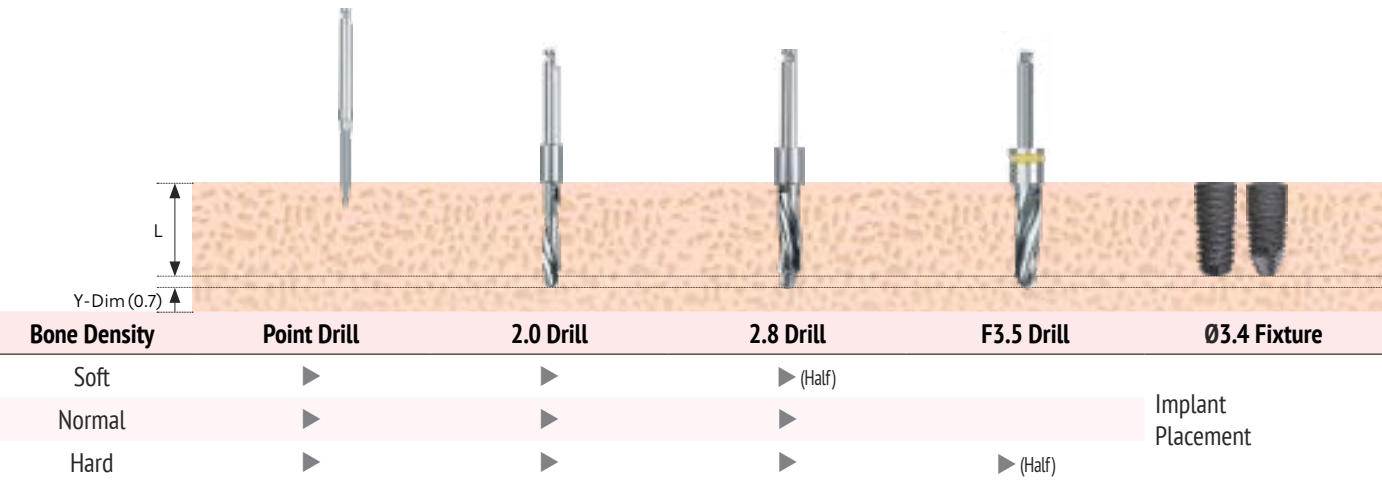
- Self-drilling ability
- Enhanced initial stability, especially in fresh extraction sockets

Helix Cutting Edge

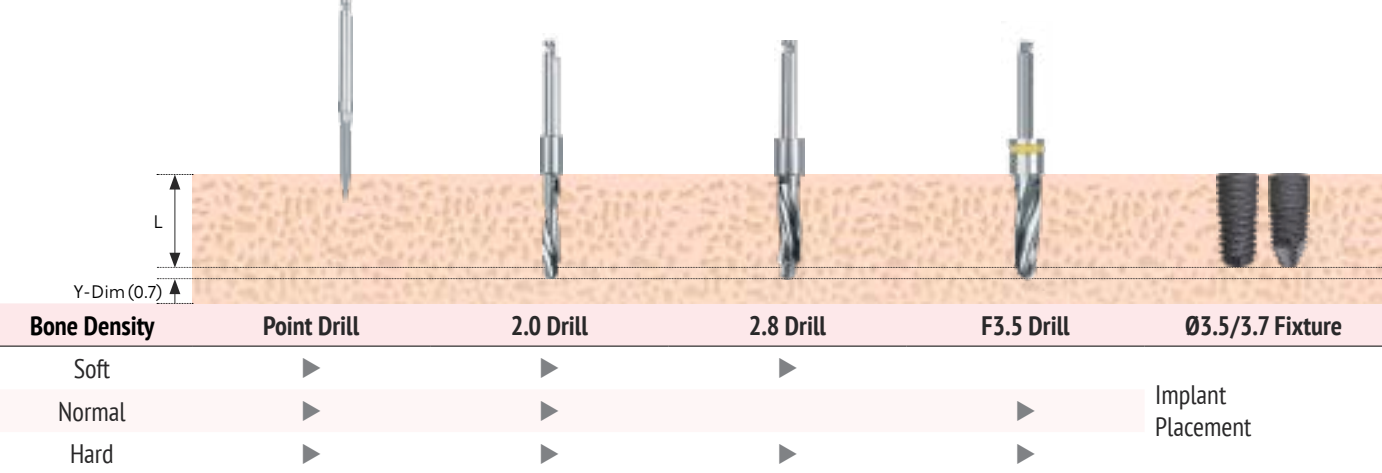
- Powerful self-threading action
- Facilitates easy path changes
- Taper angle: 1.5°
- Ensures easy initial stability in soft bone



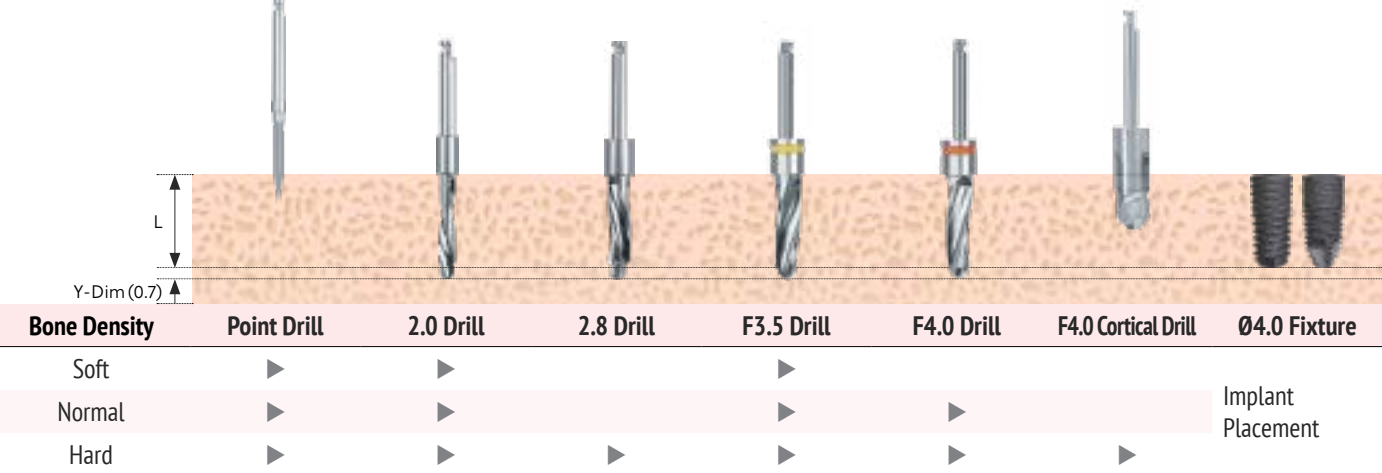
FXAR 3.4 | Drilling Sequence



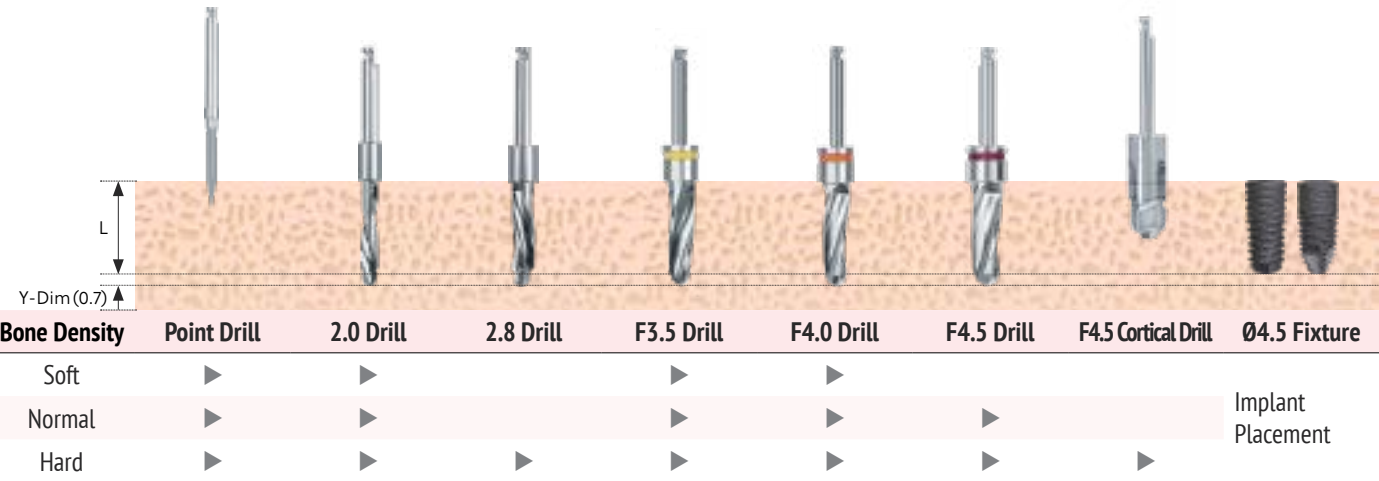
ASTFA 3.5 / FXAR 3.7 | Drilling Sequence



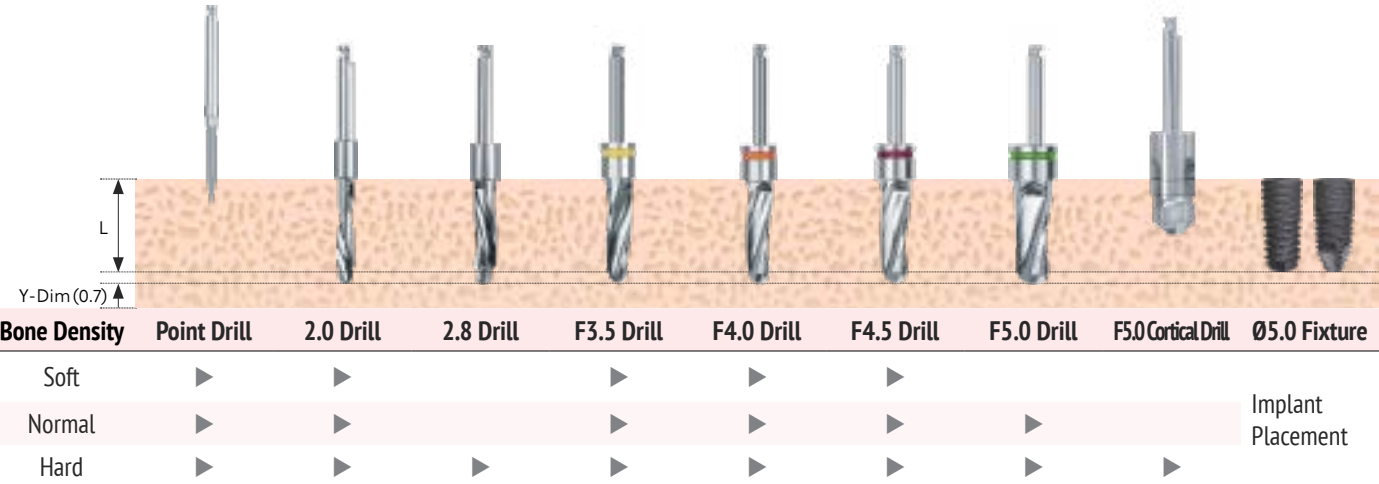
ASTFA 4.0 / FXAR 4.0 | Drilling Sequence



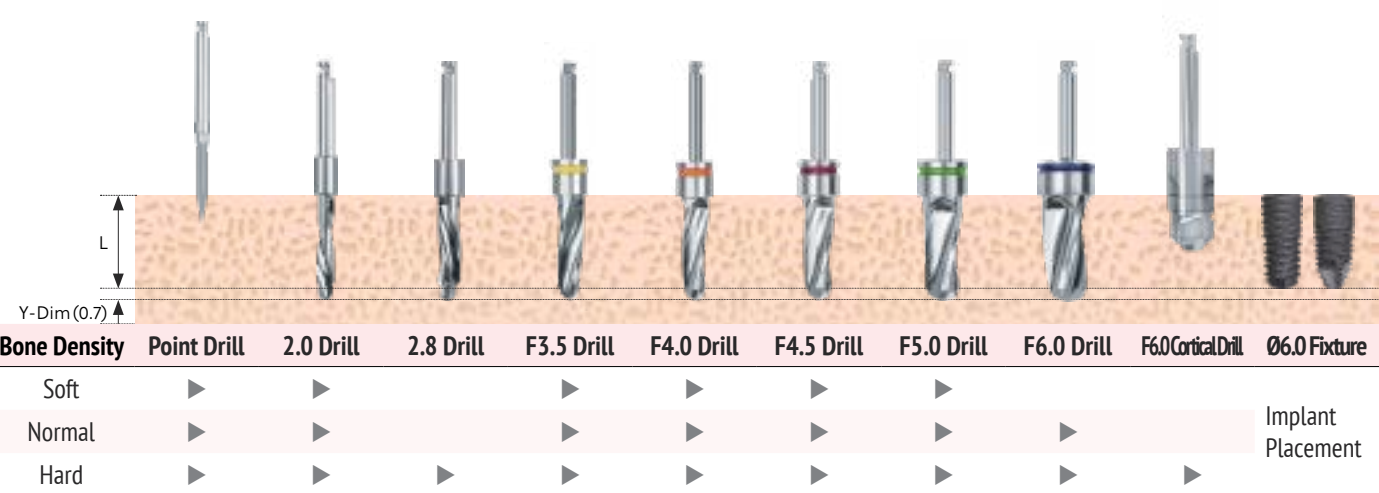
ASTFA 4.5 / FXAR 4.5 | Drilling Sequence



ASTFA 5.0 / FXAR 5.0 | Drilling Sequence



ASTFA 6.0 / FXAR 6.0 | Drilling Sequence



Non-Micro Thread AR Fixture | SLA

- No Mount System : Using a special fixture driver with more durability and easy separation-connection to fixture
- Surface : SLA
- Recommended placement torque : Less than 25~30Ncm
- Tapered body for maxillary



D/L	7.5	8.5	10	11.5	13	15
D Ø3.5 Hex 2.1 N	ASTFA 3507 S	ASTFA 3508 S	ASTFA 3510 S	ASTFA 3511 S	ASTFA 3513 S	ASTFA 3515 S
D Ø4.0 Hex 2.5 R	ASTFA 4007 S	ASTFA 4008 S	ASTFA 4010 S	ASTFA 4011 S	ASTFA 4013 S	ASTFA 4015 S
D Ø4.5 Hex 2.5 R	ASTFA 4507 S	ASTFA 4508 S	ASTFA 4510 S	ASTFA 4511 S	ASTFA 4513 S	ASTFA 4515 S
D Ø5.0 Hex 2.5 R	ASTFA 5007 S	ASTFA 5008 S	ASTFA 5010 S	ASTFA 5011 S	ASTFA 5013 S	ASTFA 5015 S
D Ø6.0 Hex 2.5 R	ASTFA 6007 S	ASTFA 6008 S	ASTFA 6010 S	ASTFA 6011 S	ASTFA 6013 S	ASTFA 6015 S

Tapered AR Fixture | SLA

- Ø 4.0, Ø 5.0 fixture : Expanded Platform (Ø 3.4 fixture is excluded)
- No Mount System : Using a special fixture driver with more durability and easy separation-connection to fixture
- Surface : SLA
- Recommended placement torque : Less than 25~30Ncm



D/L	7.5	8.5	10	11.5	13	15
D Ø3.4 Hex 2.1 N	FXAR 3407 TS	FXAR 3408 TS	FXAR 3410 TS	FXAR 3411 TS	FXAR 3413 TS	FXAR 3415 TS
D Ø3.7 Hex 2.5 R	FXAR 3707 TS	FXAR 3708 TS	FXAR 3710 TS	FXAR 3711 TS	FXAR 3713 TS	FXAR 3715 TS
D Ø4.0 Hex 2.5 R	FXAR 4007 TS	FXAR 4008 TS	FXAR 4010 TS	FXAR 4011 TS	FXAR 4013 TS	FXAR 4015 TS
D Ø4.5 Hex 2.5 R	FXAR 4507 TS	FXAR 4508 TS	FXAR 4510 TS	FXAR 4511 TS	FXAR 4513 TS	FXAR 4515 TS
D Ø5.0 Hex 2.5 R	FXAR 5007 TS	FXAR 5008 TS	FXAR 5010 TS	FXAR 5011 TS	FXAR 5013 TS	FXAR 5015 TS
D Ø6.0 Hex 2.5 R	FXAR 6007 TS	FXAR 6008 TS	FXAR 6010 TS	FXAR 6011 TS	FXAR 6013 TS	-

Cover Screw

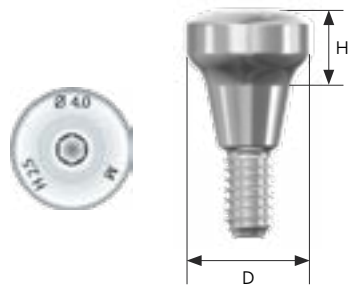
- Using a 1.2 Hex Driver
- Fastening torque : 8Ncm



N	R
CSA 2800 M	CSA 3300 S

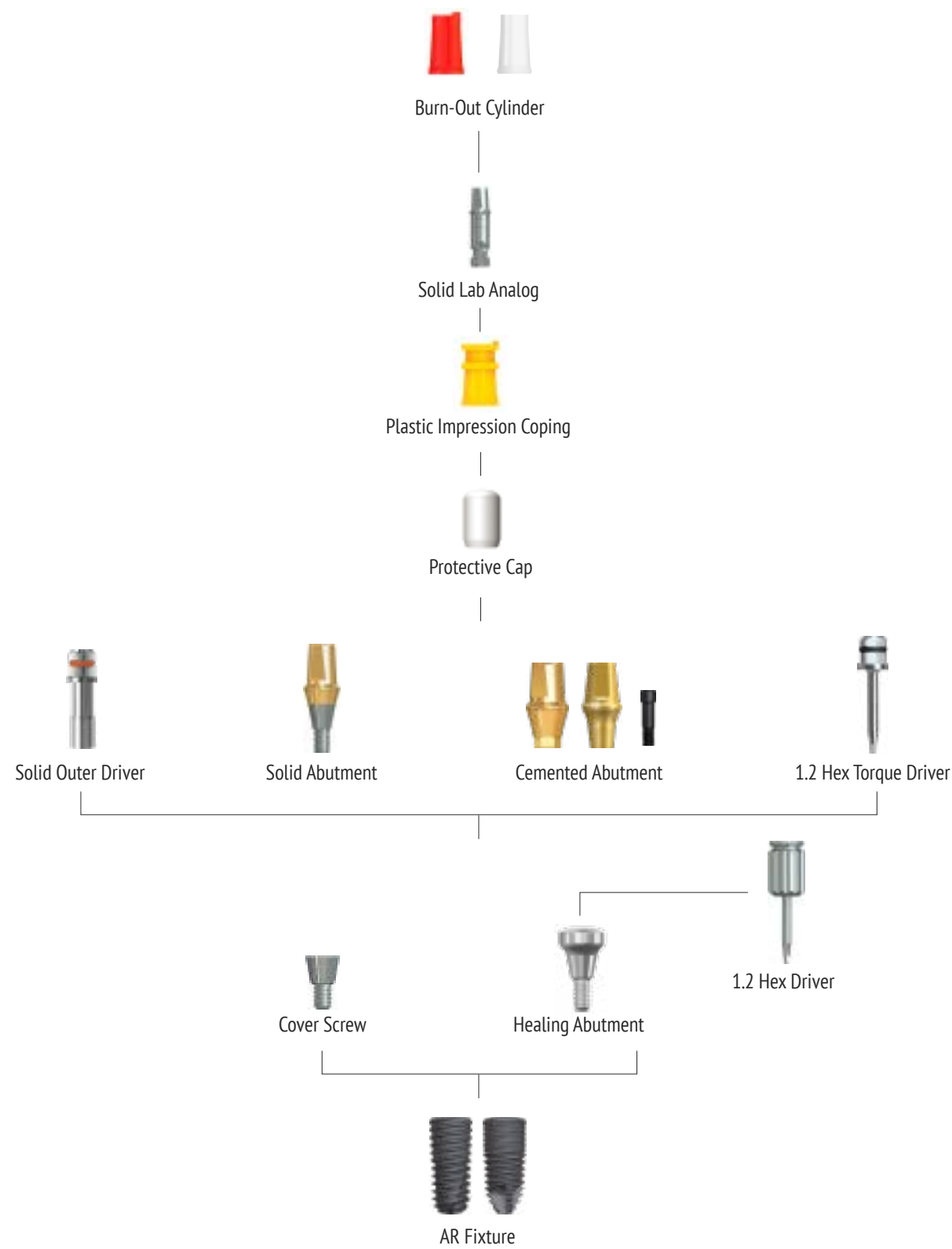
Healing Abutment

- Using a 1.2 Hex Driver
- Fastening torque : 8Ncm
- H=From Fixture platform to top



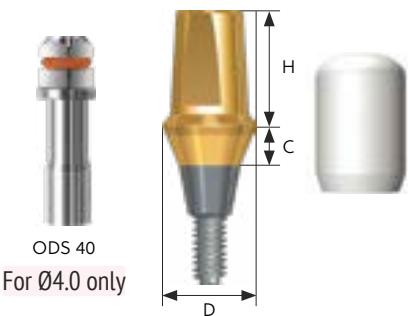
D/H	2.5	3	4	5	7	9
D Ø4.0 N	HAA 402 M	HAA 403 M		HAA 405 M	HAA 407 M	HAA 409 M
D Ø5.0 N	HAA 502 TM	HAA 503 TM	HAA 504 TM	HAA 505 TM	HAA 507 TM	HAA 509 TM
D Ø6.0 N	HAA 602 TM	HAA 603 TM	HAA 604 TM	HAA 605 TM	HAA 607 TM	HAA 609 TM
D Ø4.0 R	HAA 402 S	HAA 403 S		HAA 405 S	HAA 407 S	HAA 409 S
D Ø5.0 R	HAA 502 T	HAA 503 T	HAA 504 T	HAA 505 T	HAA 507 T	HAA 509 T
D Ø6.0 R	HAA 602 T	HAA 603 T	HAA 604 T	HAA 605 T	HAA 607 T	HAA 609 T
D Ø7.0 R	HAA 702 T	HAA 703 T	HAA 704 T	HAA 705 T	HAA 707 T	HAA 709 T

Solid / Cemented
Abutment Level Impression



Solid Abutment

- An abutment combined with a set screw, for a bridge prosthesis
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm, Regular / Wide 30Ncm
- Protective cap included except Ø 4.0



D/C		1	2	3	4	5	6
D Ø4.0 N	H 7.0	SAAS 3417 M	SAAS 3427 M	SAAS 3437 M	SAAS 3447 M		
Outer Driver		ODS 40					
D Ø4.5 N	H 4.0	SAAS 30514 MP	SAAS 30524 MP	SAAS 30534 MP	SAAS 30544 MP		
	H 5.5	SAAS 30515 MP	SAAS 30525 MP	SAAS 30535 MP	SAAS 30545 MP		
	H 7.0	SAAS 30517 MP	SAAS 30527 MP	SAAS 30537 MP	SAAS 30547 MP		
D Ø5.5 N	H 7.0	SAAS 30617 MP	SAAS 30627 MP	SAAS 30637 MP	SAAS 30647 MP		
D Ø4.5 R	H 4.0	SAAS 45514 P	SAAS 45524 P	SAAS 45534 P	SAAS 45544 P		
	H 5.5	SAAS 45515 P	SAAS 45525 P	SAAS 45535 P	SAAS 45545 P	SAAS 45555 P	SAAS 45565 P
	H 7.0	SAAS 45517 P	SAAS 45527 P	SAAS 45537 P	SAAS 45547 P		
D Ø5.5 R	H 4.0	SAAS 55614 P	SAAS 55624 P	SAAS 55634 P	SAAS 55644 P		
	H 5.5	SAAS 55615 P	SAAS 55625 P	SAAS 55635 P	SAAS 55645 P	SAAS 55655 P	SAAS 55665 P
	H 7.0	SAAS 55617 P	SAAS 55627 P	SAAS 55637 P	SAAS 55647 P		
D Ø6.5 R	H 4.0	SAAS 65714 P	SAAS 65724 P	SAAS 65734 P	SAAS 65744 P		
	H 5.5	SAAS 65715 P	SAAS 65725 P	SAAS 65735 P	SAAS 65745 P	SAAS 65755 P	SAAS 65765 P
	H 7.0	SAAS 65717 P	SAAS 65727 P	SAAS 65737 P	SAAS 65747 P		

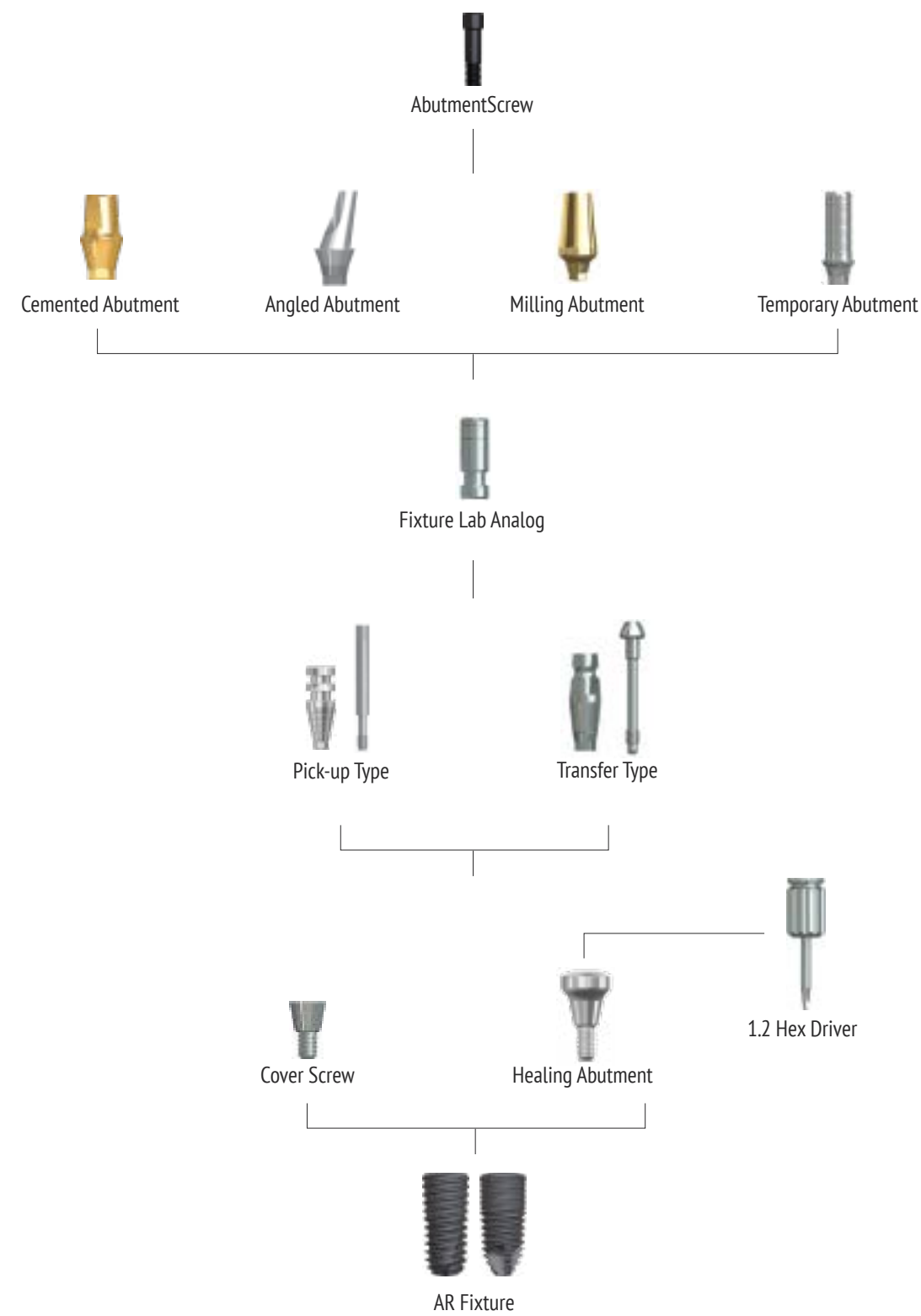
Protective Cap

- Solid Abutment protection with reduced patient discomfort
- Used as a temporary crown base



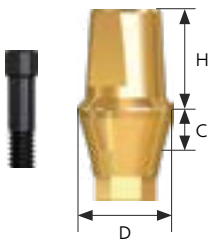
D/H	4	5.5	7
D Ø4.0	HCA 4004	HCA 4005	HCA 4007
D Ø4.5	HCA 4504	HCA 4505	HCA 4507
D Ø5.5	HCA 5504	HCA 5505	HCA 5507
D Ø6.5	HCA 6504	HCA 6505	HCA 6507

Cemented/ Angled / Milling / Temporary
Fixture Level Impression



Cemented Abutment (Hex)

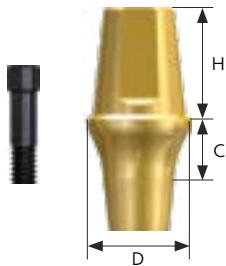
- An abutment for a single prosthesis.
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- Protect cap is optional



	D/C	1	2	3	4	5	6
D Ø4.5 N	H 4.0	SAAT 30514 MSA	SAAT 30524 MSA	SAAT 30534 MSA	SAAT 30544 MSA		
	H 5.5	SAAT 30515 MSA	SAAT 30525 MSA	SAAT 30535 MSA	SAAT 30545 MSA		
	H 7.0	SAAT 30517 MSA	SAAT 30527 MSA	SAAT 30537 MSA	SAAT 30547 MSA		
	Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.5 R	H 4.0	SAAT 45514 SA	SAAT 45524 SA	SAAT 45534 SA	SAAT 45544 SA		
	H 5.5	SAAT 45515 SA	SAAT 45525 SA	SAAT 45535 SA	SAAT 45545 SA	SAAT 45555 SA	SAAT 45565 SA
	H 7.0	SAAT 45517 SA	SAAT 45527 SA	SAAT 45537 SA	SAAT 45547 SA	SAAT 45557 SA	SAAT 45567 SA
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø5.5 R	H 4.0	SAAT 55614 SA	SAAT 55624 SA	SAAT 55634 SA	SAAT 55644 SA		
	H 5.5	SAAT 55615 SA	SAAT 55625 SA	SAAT 55635 SA	SAAT 55645 SA	SAAT 55655 SA	SAAT 55665 SA
	H 7.0	SAAT 55617 SA	SAAT 55627 SA	SAAT 55637 SA	SAAT 55647 SA	SAAT 55657 SA	SAAT 55667 SA
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø6.5 R	H 4.0	SAAT 65714 SA	SAAT 65724 SA	SAAT 65734 SA	SAAT 65744 SA		
	H 5.5	SAAT 65715 SA	SAAT 65725 SA	SAAT 65735 SA	SAAT 65745 SA	SAAT 65755 SA	SAAT 65765 SA
	H 7.0	SAAT 65717 SA	SAAT 65727 SA	SAAT 65737 SA	SAAT 65747 SA	SAAT 65757 SA	SAAT 65767 SA
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					

Cemented Abutment (Non-Hex)

- An abutment for a bridge prosthesis
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- Protect cap is optional



D/C		1	2	3	4	5	6
D Ø4.5 N	H 7.0	SAAT 30517 MNSA	SAAT 30527 MNSA	SAAT 30537 MNSA	SAAT 30547 MNSA		
	Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.5 R	H 4.0	SAAT 45514 NSA	SAAT 45524 NSA	SAAT 45534 NSA	SAAT 45544 NSA		
	H 5.5	SAAT 45515 NSA	SAAT 45525 NSA	SAAT 45535 NSA	SAAT 45545 NSA	SAAT 45555 NSA	SAAT 45565 NSA
	H 7.0	SAAT 45517 NSA	SAAT 45527 NSA	SAAT 45537 NSA	SAAT 45547 NSA		
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø5.5 R	H 4.0	SAAT 55614 NSA	SAAT 55624 NSA	SAAT 55634 NSA	SAAT 55644 NSA		
	H 5.5	SAAT 55615 NSA	SAAT 55625 NSA	SAAT 55635 NSA	SAAT 55645 NSA	SAAT 55655 NSA	SAAT 55665 NSA
	H 7.0	SAAT 55617 NSA	SAAT 55627 NSA	SAAT 55637 NSA	SAAT 55647 NSA		
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø6.5 R	H 4.0	SAAT 65714 NSA	SAAT 65724 NSA	SAAT 65734 NSA	SAAT 65744 NSA		
	H 5.5	SAAT 65715 NSA	SAAT 65725 NSA	SAAT 65735 NSA	SAAT 65745 NSA	SAAT 65755 NSA	SAAT 65765 NSA
	H 7.0	SAAT 65717 NSA	SAAT 65727 NSA	SAAT 65737 NSA	SAAT 65747 NSA		
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					

Milling Abutment (Hex)

- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- H = 10mm (MAA654SA = 8mm)
- Used for adjusting the margin shape of abutment



D/C		2	3	4
D Ø4.5 N		MAA 452 MSA		
	Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)		
D Ø4.5 R		MAA 452 SA		
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)		
D Ø5.5 R		MAA 552 SA	MAA 553 SA	
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)		
D Ø6.5 R		MAA 652 SA		MAA 654 SA
	Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)		

Temporary Abutment (Hex)

- Fastening torque : Narrow 20Ncm, Regular 20~25Ncm
- H = 10mm



D/C	1	3
D Ø4.0 N	SATA 4010 SA	SATA 4030 SA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)	
D Ø4.5 R	SATA 4510 SA	SATA 4530 SA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)	

Temporary Abutment (Non-Hex)

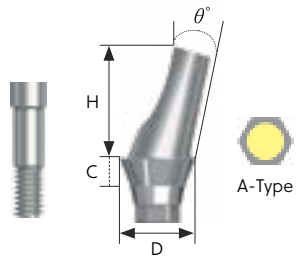
- Fastening torque : Narrow 20Ncm, Regular 20~25Ncm
- H = 10mm



D/C	1	3
D Ø4.0 N	SATA 4010 NSA	SATA 4030 NSA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)	
D Ø4.5 R	SATA 4510 NSA	SATA 4530 NSA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)	

Angled Abutment (Hex) A-Type

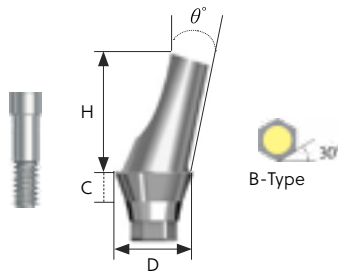
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- H = 7mm



D/C		1	2	3	4
D Ø4.5 N	$\theta^{\circ} 15^{\circ}$	AAAT 45115 QAS	AAAT 45215 QAS	AAAT 45315 QAS	AAAT 45415 QAS
	$\theta^{\circ} 25^{\circ}$	AAAT 45125 QAS	AAAT 45225 QAS	AAAT 45325 QAS	AAAT 45425 QAS
Screw		Abutment Screw M 1.6 (AAHS 1608A)			
D Ø5.5 N	$\theta^{\circ} 15^{\circ}$	AAAT 55115 QAS	AAAT 55215 QAS	AAAT 55315 QAS	AAAT 55415 QAS
	$\theta^{\circ} 25^{\circ}$	AAAT 55125 QAS	AAAT 55225 QAS	AAAT 55325 QAS	AAAT 55425 QAS
Screw		Abutment Screw M 1.6 (AAHS 1608A)			
D Ø5.0 R	$\theta^{\circ} 15^{\circ}$	AAAT 50115 BAS	AAAT 50215 BAS	AAAT 50315 BAS	AAAT 50415 BAS
	$\theta^{\circ} 25^{\circ}$	AAAT 50125 BAS	AAAT 50225 BAS	AAAT 50325 BAS	AAAT 50425 BAS
Screw		Abutment Screw M 2.0 (AAHS 2008B)			
D Ø6.0 R	$\theta^{\circ} 15^{\circ}$	AAAT 60115 BAS	AAAT 60215 BAS	AAAT 60315 BAS	AAAT 60415 BAS
	$\theta^{\circ} 25^{\circ}$	AAAT 60125 BAS	AAAT 60225 BAS	AAAT 60325 BAS	AAAT 60425 BAS
Screw		Abutment Screw M 2.0 (AAHS 2008B)			

Angled Abutment (Hex) B-Type

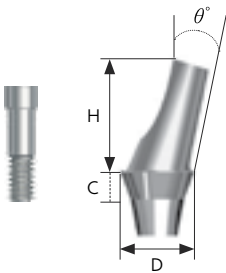
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- H = 7mm



D/C		1	2	3	4
D Ø4.5 N	θ°15 °	AAAT 45115 QBS	AAAT 45215 QBS	AAAT 45315 QBS	AAAT 45415 QBS
	θ°25 °	AAAT 45125 QBS	AAAT 45225 QBS	AAAT 45325 QBS	AAAT 45425 QBS
Screw	Abutment Screw M 1.6 (AAHS 1608A)				
D Ø5.5 N	θ°15 °	AAAT 55115 QBS	AAAT 55215 QBS	AAAT 55315 QBS	AAAT 55415 QBS
	θ°25 °	AAAT 55125 QBS	AAAT 55225 QBS	AAAT 55325 QBS	AAAT 55425 QBS
Screw	Abutment Screw M 1.6 (AAHS 1608A)				
D Ø5.0 R	θ°15 °	AAAT 50115 BBS	AAAT 50215 BBS	AAAT 50315 BBS	AAAT 50415 BBS
	θ°25 °	AAAT 50125 BBS	AAAT 50225 BBS	AAAT 50325 BBS	AAAT 50425 BBS
Screw	Abutment Screw M 2.0 (AAHS 2008B)				
D Ø6.0 R	θ°15 °	AAAT 60115 BBS	AAAT 60215 BBS	AAAT 60315 BBS	AAAT 60415 BBS
	θ°25 °	AAAT 60125 BBS	AAAT 60225 BBS	AAAT 60325 BBS	AAAT 60425 BBS
Screw	Abutment Screw M 2.0 (AAHS 2008B)				

Angled Abutment (Non-Hex)

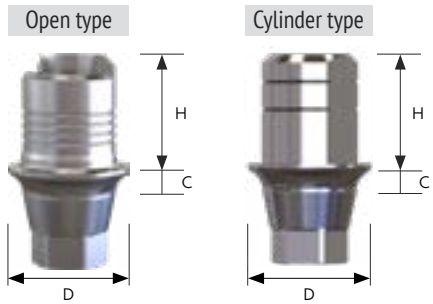
- Fastening torque : Narrow 20Ncm, Regular 30Ncm
- H = 7mm



D/C		2	4
D Ø5.0 R	θ°15 °	AAAT 50215 BNS	AAAT 50415 BNS
	θ°25 °	AAAT 50225 BNS	AAAT 50425 BNS
Screw	Abutment Screw M 2.0 (AAHS 2008B)		
D Ø6.0 R	θ°15 °	AAAT 60215 BNS	AAAT 60415 BNS
	θ°25 °	AAAT 60225 BNS	AAAT 60425 BNS
Screw	Abutment Screw M 2.0 (AAHS 2008B)		

Ti-base Abutment

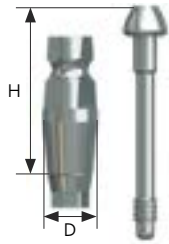
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Implant level impression
- Fastening torque : Narrow 20Ncm / Regular 30Ncm
- Use the official Biotem implant library



D/C		1	2	3	4	
D Ø4.0 N	HEX	H 4.0 open	Tibs-011 MSA	Tibs-021 MSA	Tibs-031 MSA	Tibs-041 MSA
		H 4.0	Tibs-014 MSA	Tibs-024 MSA	Tibs-034 MSA	Tibs-044 MSA
		H 6.0	Tibs-016 MSA	Tibs-026 MSA	Tibs-036 MSA	Tibs-046 MSA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.0 N	Nonhex	H 4.0 open	Tibs-011 MNSA	Tibs-021 MNSA	Tibs-031 MNSA	Tibs-041 MNSA
		H 4.0	Tibs-014 MNSA	Tibs-024 MNSA	Tibs-034 MNSA	Tibs-044 MNSA
		H 6.0	Tibs-016 MNSA	Tibs-026 MNSA	Tibs-036 MNSA	Tibs-046 MNSA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.0 R	HEX	H 4.0 open	Tibs-012 SA	Tibs-022 SA	Tibs-032 SA	Tibs-042 SA
		H 4.0	Tibs-014 SA	Tibs-024 SA	Tibs-034 SA	Tibs-044 SA
		H 6.0	Tibs-016 SA	Tibs-026 SA	Tibs-036 SA	Tibs-046 SA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø4.0 R	Nonhex	H 4.0 open	Tibs-012 NSA	Tibs-022 NSA	Tibs-032 NSA	Tibs-042 NSA
		H 4.0	Tibs-014 NSA	Tibs-024 NSA	Tibs-034 NSA	Tibs-044 NSA
		H 6.0	Tibs-016 NSA	Tibs-026 NSA	Tibs-036 NSA	Tibs-046 NSA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					

Transfer Impression Coping (Hex)

- A Transfer type with utilizing a close tray
- Packing unit : Impression coping body+Guide Pin
- Hex Type



D/H	11(Short)	14 (Long)
D Ø4.0 N	IAT 4011 MS	IAT 4014 MS
Pin	GTA 1617 M	GTA 1620 M
D Ø4.0 R	IAT 4011 SS	IAT 4014 SS
Pin	GTA 2017 S	GTA 2020 S
D Ø5.0 R	IAT 5011 SS	IAT 5014 SS
Pin	GTA 2017 S	GTA 2020 S
D Ø6.0 R	IAT 6011 SS	IAT 6014 SS
Pin	GTA 2017 S	GTA 2020 S

Transfer Impression Coping (Non-Hex)

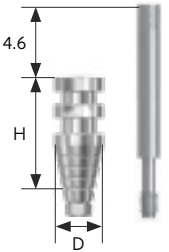
- A Transfer type with utilizing a close tray
- Packing unit : Impression coping body+Guide Pin
- Non-Hex Type



D/H	11(Short)	14 (Long)
D Ø4.0 N	IAT 4011 MNS	IAT 4014 MNS
Pin	GTA 1617 M	GTA 1620 M
D Ø4.0 R	IAT 4011 SNS	IAT 4014 SNS
Pin	GTA 2017 S	GTA 2020 S
D Ø5.0 R	IAT 5011 SNS	IAT 5014 SNS
Pin	GTA 2017 S	GTA 2020 S
D Ø6.0 R	IAT 6011 SNS	IAT 6014 SNS
Pin	GTA 2017 S	GTA 2020 S

Pick-up Impression Coping (Hex)

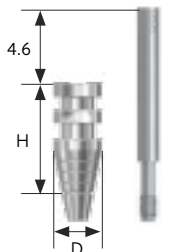
- A Pick-up type with utilizing a custom tray.
- Increasing convenience with being composed of Short & Long



D/H	10(Short)	14 (Long)
D Ø4.0 N	IPA 3010 S	IPA 3013 S
D Ø4.5 N	IPA 3410 S	IPA 3413 S
Pin	GPA 1613	GPA 1617
D Ø4.5 R	IPA 4810 S	IPA 4813 S
Pin	GPA 2013	GPA 2017
D Ø5.5 R	IPA 5810 S	IPA 5813 S
Pin	GPA 2013	GPA 2017
D Ø6.5 R	IPA 6810 S	IPA 6813 S
Pin	GPA 2013	GPA 2017

Pick-up Impression Coping (Non-Hex)

- A Pick-up type with utilizing a custom tray.
- Increasing convenience with being composed of Short & Long



D/H	10(Short)	14 (Long)
D Ø4.0 N	IPA 3010 NS	IPA 3013 NS
D Ø4.5 N	IPA 3410 NS	IPA 3413 NS
Pin	GPA 1613	GPA 1617
D Ø4.5 R	IPA 4810 NS	IPA 4813 NS
Pin	GPA 2013	GPA 2017
D Ø5.5 R	IPA 5810 NS	
Pin	GPA 2013	

Plastic Impression Coping

- Components for solid abutment impression
- Applicable for H (4, 5.5, 7)
- Used for transfer abutment (except Ø4.0)



D Ø4.0	IPA 4004 (Yellow) IPA 4005 (Gray) IPA 4007 (Blue)
D Ø4.5	IPA 4510
D Ø5.5	IPA 5510
D Ø6.5	IPA 6510

Burn-Out Cylinder

- Replacement of resin cap before wax up using rigid abutment
- Enabling the production of elaborate prosthesis with uniform interior
- Used after casting, after cleaning the margin for proper fitting



	Single	Bridge
D Ø4.5	PCA 4510	PCA 4510 N
D Ø5.5	PCA 5510	PCA 5510 N
D Ø6.5	PCA 6510	PCA 6510 N

Fixture Lab Analog

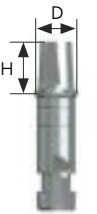
- Lab analog for fixture level impression
- L = 15mm
- LAAF 3715 = Only for Tapered AR Fixture



D Ø3.4 N	LAAF 3415 (One line)
D Ø3.7 R	LAAF 3715 (Three lines)
D Ø4.0 / Ø4.5 / Ø5.0 / Ø6.0 R	LAAF 4015 (Two lines)

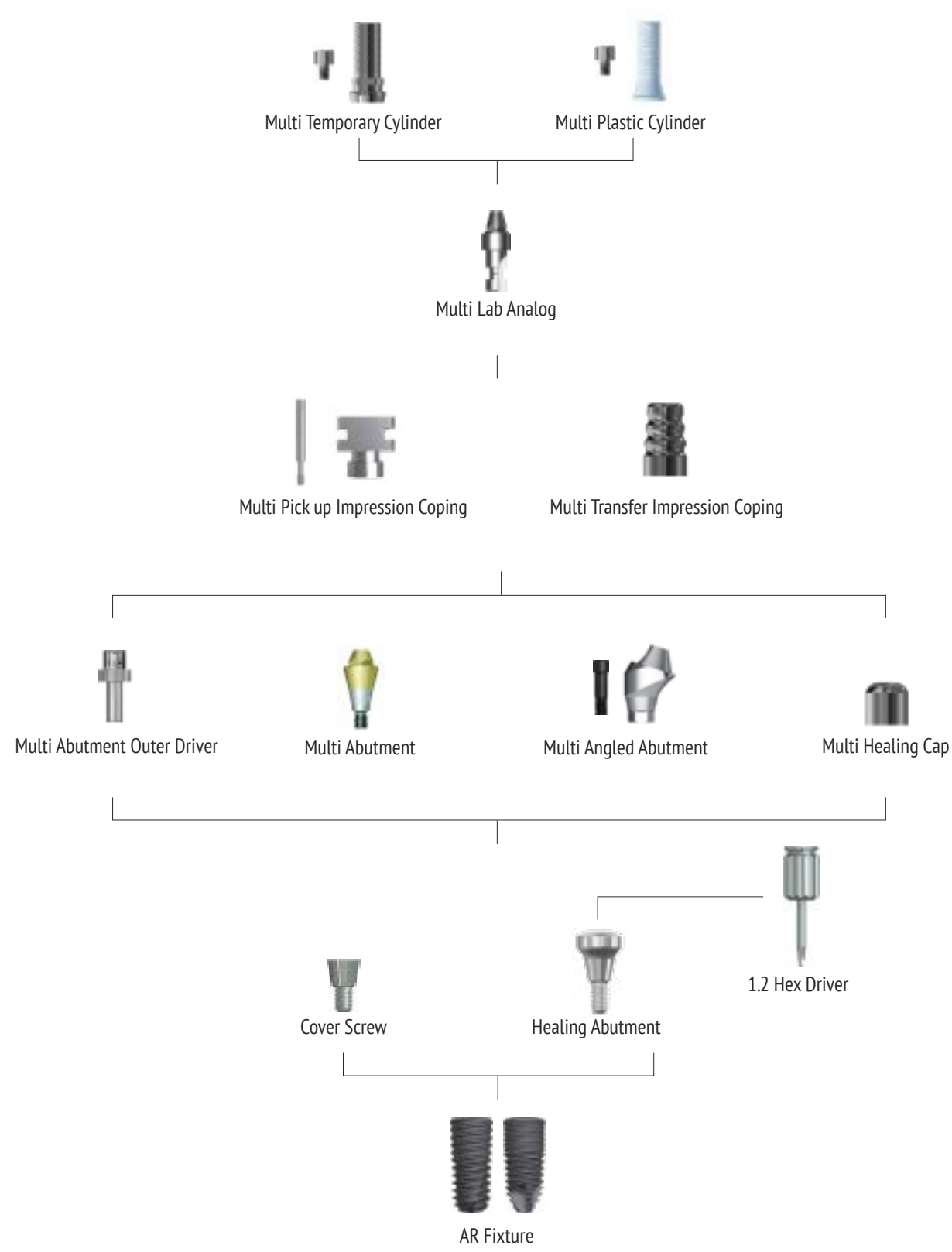
Solid Lab Analog

- Integrated type of abutment & analog



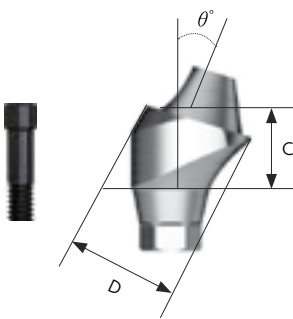
D/H	4	5.5	7
D Ø4.5	LAAS 4504 L	LAAS 4505 L	LAAS 4507 L
D Ø5.5	LAAS 5504 L	LAAS 5505 L	LAAS 5507 L
D Ø6.5	LAAS 6504 L	LAAS 6505 L	LAAS 6507 L

Multi / Multi Angled
Abutment Level Impression



Multi Angled Abutment (All-on-X)

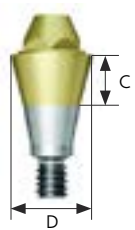
- Used in implant path compensation in screw retained multiple case
- Up to 60° path compensation (two implant standard)
- Recommended tightening torque : 20Ncm(Narrow), 30Ncm(regular)



D/C		2.5	3.0	3.5	4.0	5.0
D Ø4.8 N	$\theta^\circ 17^\circ$	AMA 174825 MS	AMA 174830 MS		AMA 174840 MS	
	$\theta^\circ 30^\circ$			AMA 304835 MS	AMA 304840 MS	AMA 304850 MS
Screw		Abutment Screw M 1.6 (AMASM EBONY)				
D Ø4.8 R	$\theta^\circ 17^\circ$	AMA 174825 S	AMA 174830 S		AMA 174840 S	
	$\theta^\circ 30^\circ$			AMA 304835 S	AMA 304840 S	AMA 304850 S
Screw		Abutment Screw M 2.0 (AMASR EBONY)				

Multi Abutment (All-on-X)

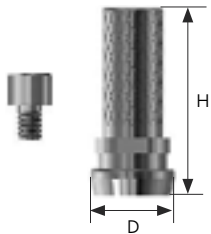
- Uses specialized outer driver (AMOD)
- Used in screw type prosthetics in multiple cases
- Recommended tightening torque : 20Ncm(Narrow), 30Ncm(regular)



D/C	1.0	2.0	3.0	4.0
D Ø4.8 N	AM 4810 M	AM 4820 M	AM 4830 M	AM 4840 M
D Ø4.8 R	AM 4810	AM 4820	AM 4830	AM 4840

Multi Temporary Cylinder

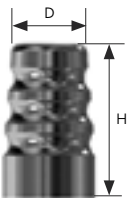
- Used in producing temporary prosthetic with multi abutment (Material: Ti Gr-5)
- Structure allows for easy customization and minimization of indication constraints
- 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti screw



D/H	12
D Ø4.8 N R	AMTC 48 N
Screw	AMCS 14

Multi Transfer Impression Coping

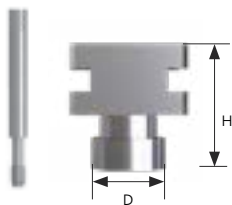
- Takes impression using closed tray



D/H	8
D Ø4.8 N R	AMTI 48

Multi Pick up Impression Coping

- Takes impression using open tray
- packing = Body + Pin(GPMP12)
- 17mm pin(GPMP17) is purchased separately



D/H	8
D Ø4.8 N R	AMPI 48 S
pin	GPMP 12(12mm)

Multi Lab Analog

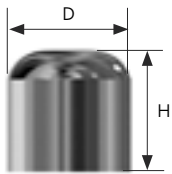
- Achieves Multi abutment of the oral cavity on a working model



D Ø4.8 N R	AMLA 48
---------------	---------

Multi Healing Cap

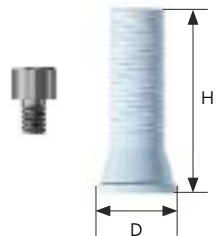
- Used when protecting multi abutment in the oral cavity and minimizing foreign body sensation in patient
- 1.2 hex driver
- Recommended tightening torque : 20Ncm



D/H	4.8
D Ø4.8 N R	AMHC 48

Multi Plastic Cylinder

- Produces prosthetics by casting with dental-grade alloy (gold, non-precious metals)
- Connection region's precision is reduced compared to gold cylinder
- 1.2 hex driver
- Recommended tightening torque : 20Ncm
- Packing unit : cylinder + Ti screw



D/H	12
D Ø4.8 N R	AMPC 48 N
Screw	AMCS 14

Multi Abutment Outer Driver

- Torque driver specialized for multi-abutments



AMOD

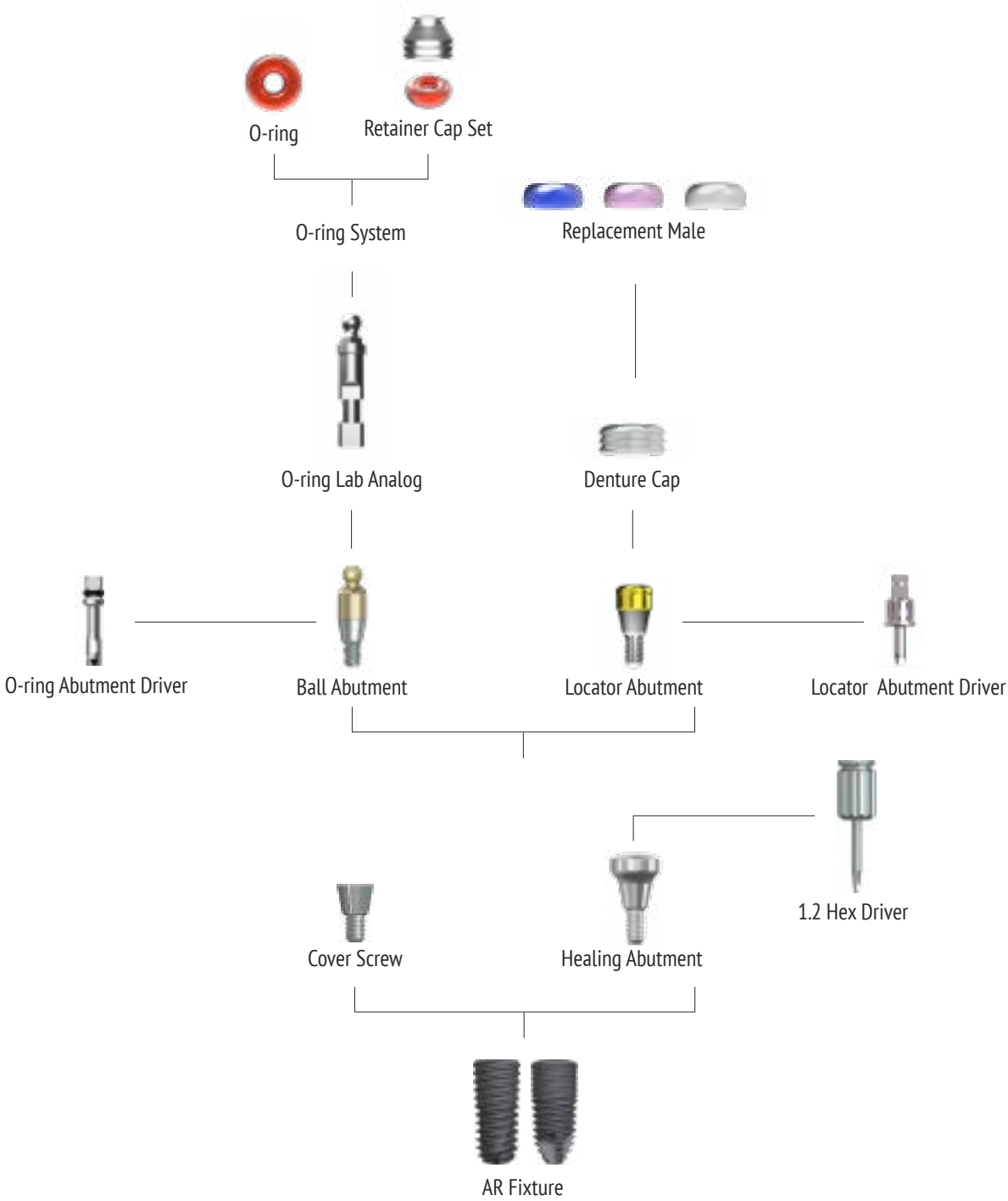
Multi Ti-base

- Abutment level impression with multi scanbody (AMSB48)
- Only non-hex type for bridge
- Fasten with 1.2 hex driver for upper part screw
- Recommend 20Ncm
- Using exclusive screw (AMCS14)



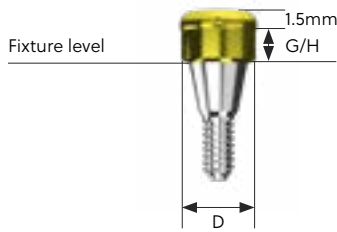
Connection	Code
N R	MTB48 S

Locator / O-ring Overdenture



Locator Abutment (Narrow)

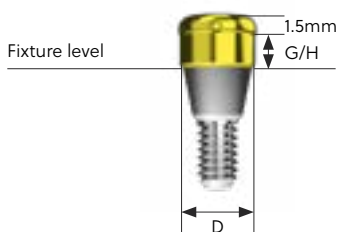
- Placement angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Tightened with a dedicated driver
- Recommended tightening torque : 20Ncm



Code	D	G/H	Screw
BALCA 3510 M	Ø 3.75	1.0	M1.6
BALCA 3520 M	Ø 3.75	2.0	M1.6
BALCA 3530 M	Ø 3.75	3.0	M1.6
BALCA 3540 M	Ø 3.75	4.0	M1.6
BALCA 3550 M	Ø 3.75	5.0	M1.6

Locator Abutment (Regular)

- Placement angle compensation up to 40°
- 1.5mm lower profile, attachment with various and stable retention forces
- Tightened with a dedicated driver
- Recommended tightening torque : 30Ncm



Code	D	G/H	Screw
BALCA 4010 S	Ø 3.75	1.0	M2.0
BALCA 4020 S	Ø 3.75	2.0	M2.0
BALCA 4030 S	Ø 3.75	3.0	M2.0
BALCA 4040 S	Ø 3.75	4.0	M2.0
BALCA 4050 S	Ø 3.75	5.0	M2.0

Denture Cap Set

- Packing unit : Denture Cap + Replacement Male (blue/pink/clear)



Code
BDCS

- Packing unit : Denture Cap

Code
BDC



- Packing unit : Pink Replacement Male
- Retention Force : about ≥20N

Code
BLRMP



- Packing unit : Red Replacement Male
- Retention Force : about ≥15N

Code
BLEMR



- Packing unit : Blue Replacement Male
- Retention Force : about ≥7N

Code
BLRMB



- Packing unit : Clear Replacement Male
- Retention Force : about ≥30N

Code
BLRMN



- Packing unit : Green Replacement Male
- Retention Force : about ≥15N

Code
BLEMG



Locator Abutment Driver

Code
DLD (Core tool)



Code
3P-HD (Dedicated driver)



Ball Abutment

- Abutment with o-ring attachment for overdenture
- Placement angle compensation up to 20°
- Tightened with a dedicated outer driver
- Recommended tightening torque : 30Ncm (mini/regular)



D/C	1	2	4
N	SABS 4510 M	SABS 4520 M	SABS 4540 M
R	SABS 4510	SABS 4520	SABS 4540

Retainer Cap Set

- Packing unit : Retainer cap + O-ring



Code
BRCS

O-ring

- Packing unit : O-ring 1 piece



Code
BOR 45 R

O-ring Lab Analog

- Make Oral Ball abutments on the working model
- Packing unit : Lab analog



Code
MRBLA

O-ring Abutment Torque driver



Code	L	D
BOBTDS	Short	Ø 3.8
BOBTDL	Long	Ø 3.8

Non-Micro Thread AR Fixture | SLA

- No Mount System : Using a special fixture driver with more durability and easy separation-connection to fixture
- Surface : SLA
- Recommended placement torque : Less than 25~30Ncm
- Tapered body for maxillary



D/L	8.5	10	11.5	13
D Ø3.5 Hex 2.1 	OASTFA 3508 S	OASTFA 3510 S	OASTFA 3511 S	OASTFA 3513 S

Cover Screw

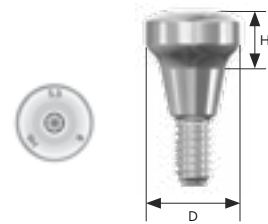
- Using a 1.2 Hex Driver
- Fastening torque : 8Ncm



	OCSA 2700 M
---	-------------

Healing Abutment

- Using a 1.2 Hex Driver
- Fastening torque : 8Ncm
- H=From Fixture platform to top
- Connection : Narrow O-Type compatible



D/H	3	4	5	7	9
Ø4.0 	OHAA 403 TM	OHAA 404 TM	OHAA 405 TM	OHAA 407 TM	OHAA 409 TM
Ø4.5	OHAA 453 TM	OHAA 454 TM	OHAA 455 TM	OHAA 457 TM	OHAA 459 TM

Solid Abutment

- An abutment combined with a set screw, for a bridge prosthesis
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm
- Protective cap included except Ø 4.0



D/C		1	2	3	4	5	6
D Ø4.0	H 4.0	OSAAS 3414 MP	OSAAS 3424 MP	OSAAS 3434 MP	OSAAS 3444 MP	OSAAS 3454 MP	OSAAS 3464 MP
	H 5.5	OSAAS 3415 MP	OSAAS 3425 MP	OSAAS 3435 MP	OSAAS 3445 MP	OSAAS 3455 MP	OSAAS 3465 MP
	H 7.0	OSAAS 3417 MP	OSAAS 3427 MP	OSAAS 3437 MP	OSAAS 3447 MP	OSAAS 3457 MP	OSAAS 3467 MP
Outer Driver		ODS 40					
D Ø4.5	H 4.0	OSAAS 30514 MP	OSAAS 30524 MP	OSAAS 30534 MP	OSAAS 30544 MP	OSAAS 30554 MP	OSAAS 30564 MP
	H 5.5	OSAAS 30515 MP	OSAAS 30525 MP	OSAAS 30535 MP	OSAAS 30545 MP	OSAAS 30555 MP	OSAAS 30565 MP
	H 7.0	OSAAS 30517 MP	OSAAS 30527 MP	OSAAS 30537 MP	OSAAS 30547 MP	OSAAS 30557 MP	OSAAS 30567 MP
D Ø5.5	H 4.0	OSAAS 30614 MP	OSAAS 30624MP	OSAAS 30634 MP	OSAAS 30644 MP	OSAAS 30654 MP	OSAAS 30664 MP
	H 5.5	OSAAS 30615 MP	OSAAS 30625 MP	OSAAS 30635 MP	OSAAS 30645 MP	OSAAS 30655 MP	OSAAS 30665 MP
	H 7.0	OSAAS 30617 MP	OSAAS 30627 MP	OSAAS 30637 MP	OSAAS 30647 MP	OSAAS 30657 MP	OSAAS 30667 MP

Protective Cap

- Protective cap for o-type solid abutment



D/H		4	5.5	7
D Ø4.0		HCA4004	HCA4005	HCA4007

Plastic Impression Coping

- Protective cap for o-type solid abutment



D/H		4	5.5	7
D Ø4.0		IPA 4004 (Yellow)	IPA 4005 (Gray)	IPA 4007 (Blue)

Cemented Abutment (Hex)

- An abutment for a single and bridge prosthesis
- Using a 1.2 Hex Driver
- Fastening torque : 20Ncm
- Protect cap is optional



D/C		1	2	3	4
Ø4.0	H 4.0	OSAAT 3414 MS	OSAAT 3424 MS	OSAAT 3434 MS	OSAAT 3444 MS
	H 5.5	OSAAT 3415 MS	OSAAT 3425 MS	OSAAT 3435 MS	OSAAT 3445 MS
	H 7.0	OSAAT 3417 MS	OSAAT 3427 MS	OSAAT 3437 MS	OSAAT 3447 MS
Ø4.5	H 4.0	OSAAT 30514 MS	OSAAT 30524 MS	OSAAT 30534 MS	OSAAT 30544 MS
	H 5.5	OSAAT 30515 MS	OSAAT 30525 MS	OSAAT 30535 MS	OSAAT 30545 MS
	H 7.0	OSAAT 30517 MS	OSAAT 30527 MS	OSAAT 30537 MS	OSAAT 30547 MS
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)			

Cemented Abutment (Non Hex)

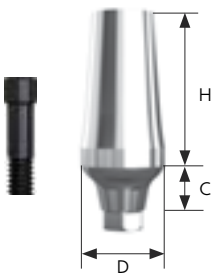
- An abutment for a bridge prosthesis
- Using a 1.2 Hex Driver
- Fastening torque : 20Ncm
- Protect cap is optional



D/C		1	2	3	4
Ø4.0	H 4.0	OSAAT 3414 MNS	OSAAT 3424 MNS	OSAAT 3434 MNS	OSAAT 3444 MNS
	H 5.5	OSAAT 3415 MNS	OSAAT3425 MNS	OSAAT 3435 MNS	OSAAT 3445 MNS
	H 7.0	OSAAT 3417 MNS	OSAAT 3427 MNS	OSAAT 3437 MNS	OSAAT 3447 MNS
Ø4.5	H 4.0	OSAAT 30514 MNS	OSAAT 30524 MNS	OSAAT 30534 MNS	OSAAT 30544 MNS
	H 5.5	OSAAT 30515 MNS	OSAAT 30525 MNS	OSAAT 30535 MNS	OSAAT 30545 MNS
	H 7.0	OSAAT 30517 MNS	OSAAT 30527 MNS	OSAAT 30537 MNS	OSAAT 30547 MNS
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)			

Milling Abutment (Hex)

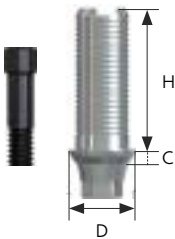
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm
- H = 10mm
- Used for adjusting the margin shape of abutment



D/C		1.3	1.8	2.6
Hex	D Ø4.0	OMAA 4015 S		OMAA 4030 S
	D Ø4.5		OMAA 452 MS	
Non-Hex	D Ø4.0	OMAA 4015 NS		OMAA 4030 NS
	D Ø4.5			
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)		

Temporary Abutment

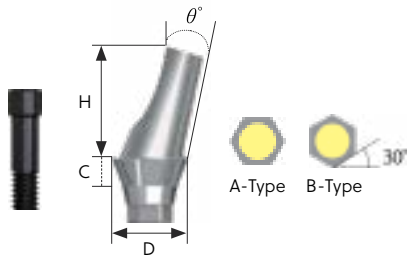
- Fastening torque : 20Ncm
- H = 10mm



D/C		1.3	2.6
Hex	D Ø4.0	OSATA 4010 S	OSATA 4030 S
	D Ø4.5		
Non-Hex	D Ø4.0	OSATA4010 NS	OSATA 4030 NS
	D Ø4.5		
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)	

Angled Abutment (Hex)

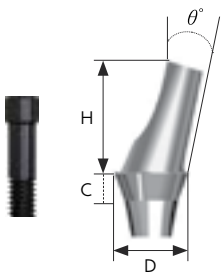
- Fastening torque : 20Ncm
- H = 7mm



D/C		1.75		3.75	
A-Type	D Ø4.0	$\theta^{\circ} 15^{\circ}$	OAAAT 40215 QAS	OAAAT 40415 QAS	
		$\theta^{\circ} 25^{\circ}$	OAAAT 40225 QAS	OAAAT 40425 QAS	
	D Ø4.5	$\theta^{\circ} 15^{\circ}$	OAAAT 45215 QAS	OAAAT 45415 QAS	
		$\theta^{\circ} 25^{\circ}$	OAAAT 45225 QAS	OAAAT 45425 QAS	
B-Type	D Ø4.0	$\theta^{\circ} 15^{\circ}$	OAAAT 40215 QBS	OAAAT 40415 QBS	
		$\theta^{\circ} 25^{\circ}$	OAAAT 40225 QBS	OAAAT 40425 QBS	
	D Ø4.5	$\theta^{\circ} 15^{\circ}$	OAAAT 45215 QBS	OAAAT 45415 QBS	
		$\theta^{\circ} 25^{\circ}$	OAAAT 45225 QBS	OAAAT 45425 QBS	
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)			

Angled Abutment (Non-Hex)

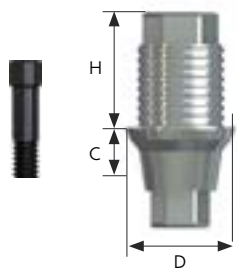
- Fastening torque : 20Ncm
- H = 7mm



D/C		1.75	3.75
D Ø4.0	θ° 15 °	OAAAT 40215 QNS	OAAAT 40415 QNS
	θ° 25 °	OAAAT 40225 QNS	OAAAT 40425 QNS
D Ø4.5	θ° 15 °	OAAAT 45215 QNS	OAAAT 45415 QNS
	θ° 25 °	OAAAT 45225 QNS	OAAAT 45425 QNS
Screw		Abutment Screw M 1.6 (OAAHS 1612 Ebony)	

Ti-base Abutment

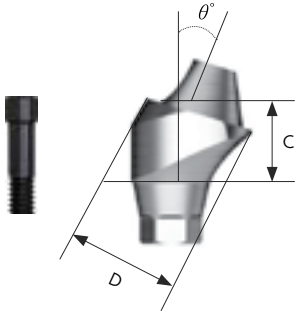
- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Implant level impression
- Fastening torque : 20Ncm
- Use the official Biotem implant librar
- H = 4mm



C/D	Ø 4.0
1.2 	OTibs-011 MS
Screw	Abutment Screw M 1.6 (OAAHS 1612 Ebony)

Multi Angled Abutment (All-on-X)

- Used in implant path compensation in screw retained multiple case
- Up to 60° path compensation (two implant standard)
- Recommended tightening torque : 20Ncm



D/C		2.5	3.0	3.5	4.0	5.0
D Ø4.8 	θ° 17°	OAMA 174825 MS	OAMA 174830 MS		OAMA 174840 MS	
	θ° 30°			OAMA 304835 MS	OAMA 304840 MS	OAMA 304850 MS
Screw		Abutment Screw M 1.6 (OAMASM Ebony)				

Multi Abutment (All-on-X)

- Uses specialized outer driver (AMOD)
- Used in screw type prosthetics in multiple cases
- Recommended tightening torque : 20Ncm



D/C	1.0	2.0	3.0	4.0
 D Ø4.8	OAM 4810 M	OAM 4820 M	OAM 4830 M	OAM 4840 M

Transfer Impression Coping

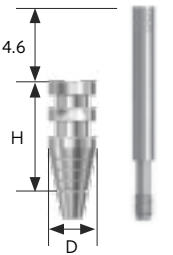
- A Transfer type with utilizing a close tray
- Packing unit : Impression coping body+Guide Pin



	D/H	11(Short)	14(Long)
Ø4.0 	Hex	OIAT 4011 MS	OIAT 4014 MS
	Non Hex	OIAT 4011 MNS	OIAT 4014 MNS
Ø4.5 	Hex	OIAT 4511 MS	OIAT 4514 MS
	Non Hex	OIAT 4511 MNS	OIAT 4514 MNS
Pin		OGTA 1618 M	OGTA 1621 M

Pick-up Impression Coping

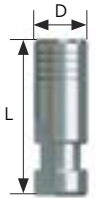
- A Pick-up type with utilizing a custom tray.
- Increasing convenience with being composed of Short & Long



	D/H	11(Short)	14(Long)
Ø4.0 	Hex	OIPA 4010 MS	OIPA 4014 MS
	Non Hex	OIPA 4010 MNS	OIPA 4014 MNS
Ø4.5 	Hex	OIPA 4510 MS	OIPA 4514 MS
	Non Hex	OIPA 4510 MNS	OIPA 4514 MNS
Pin		OGPA 1613	OGPA 1617

Lab Analog

- Lab analog for fixture level impression
- L = 15mm



D Ø3.4	O	OLAAF 3415 (Four lines)
--------	---	-------------------------

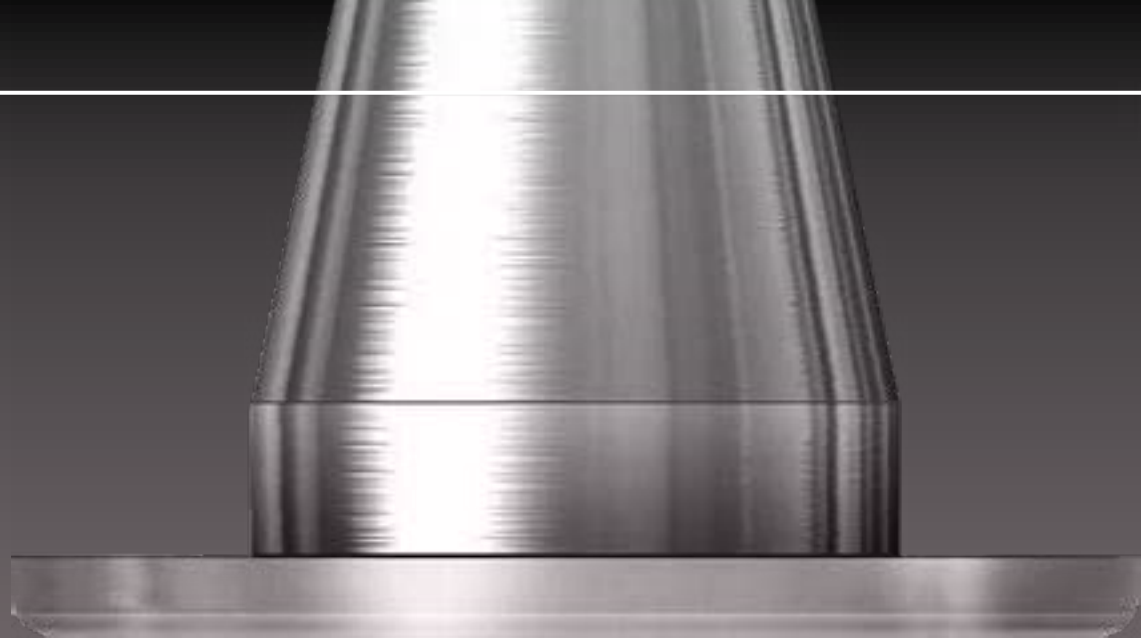
Solid Lab Analog

- Integrated type of abutment & analog



D/H	4	5.5	7
D Ø4.0 	OLAAS 3504 ML	OLAAS 3505 ML	OLAAS 3507 ML





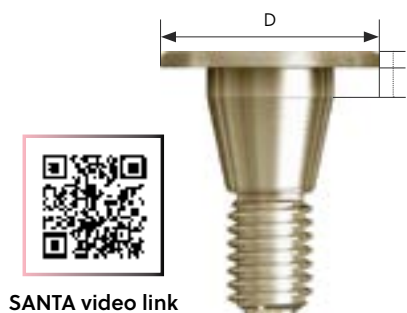
SANTA BIOARK



SANTA & BIOARK

SANTA

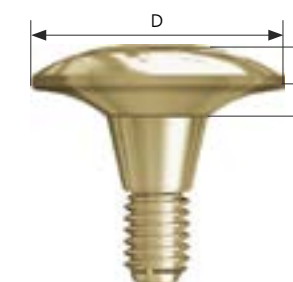
- Specialized Tenting abutment for Simple 3D ridge augmentation
- Reducing edentulous healing period
- Reducing the number of surgery and postop complications
- No need to harvest bone block from different site
- T=0.4mm



D/C		1	2	3	3
T			0.4mm		3mm
Ø 4.0	N	S 104 M	S 204 M	S 304 M	
Ø 5.0		S 105 M	S 205 M	S 305 M	
Ø 5.0	R	S 105	S 205	S 305	S 335
Ø 6.0		S 106	S 206	S 306	S 336
Ø 4.0	O	OS 104 M	OS 204 M	OS 304 M	
Ø 5.0		OS 105 M	OS 205 M	OS 305 M	

BIOARK

- Hidden Space for Bone & Tissue Healing
- Easy Esthetic Implant Prosthetics
- Simple ingrowth of Soft Tissue & Bone
- Comfortable environment for Osteoblast



D	T	1.6	1.6	1.6	1.6
C		1	3	5	7
Ø 5.5	N	AO 553 M	AO 555 M	AO 557 M	AO 559 M
Ø 7.2	R	AO 723 T	AO 725 T	AO 727 T	AO 729 T
Ø 7.6	R	AO 763 T	AO 765 T	AO 767 T	AO 769 T
Ø 8.1	R	AO 813 T	AO 815 T	AO 817 T	AO 819 T
Ø 9.0	R	AO 903 T	AO 905 T	AO 907 T	AO 909 T
Ø 5.5	O	OA0 553 M	OA0 555 M	OA0 557 M	OA0 559 M

IR | TISSUE LEVEL IMPLANT SYSTEM

BIO7EM
DENTAL IMPLANT SYSTEM

IR Tissue Level Implant System	54
IR Prosthetic Flow Chart	55
FXIR 3.5 Drilling Sequence	56
FXIR 4.1 Drilling Sequence	56
FXIR 4.8 Drilling Sequence	57
FXIR 5.5 Drilling Sequence	57
IR Fixture SLA	58
Cover Screw	59
Healing Abutment	59
Solid Abutment	59
Wide Solid Abutment	60
Protective Cap	60
Com Octa Plus Abutment	61
Angled Abutment	61
Com Octa Plus Angled Abutment	61
Fixture Analog	62
Transfer Impression Coping	62
Pick-up Impression Coping	62
Solid Analog	63
Plastic Impression Coping	63
Burn-Out Cylinder	63

IR | Tissue Level Implant System

Single Pitch Thread

- 0.8pitch x 0.45depth x double thread Taper root
- Optimized design for SLA surface
- Reinforce fixture strength

Corkscrew Thread

- 0.8pitch x 0.45depth x double thread
- Powerful self threading
- High initial stability

Taper degree 1.5°

- Easy to get initial stability in soft bone



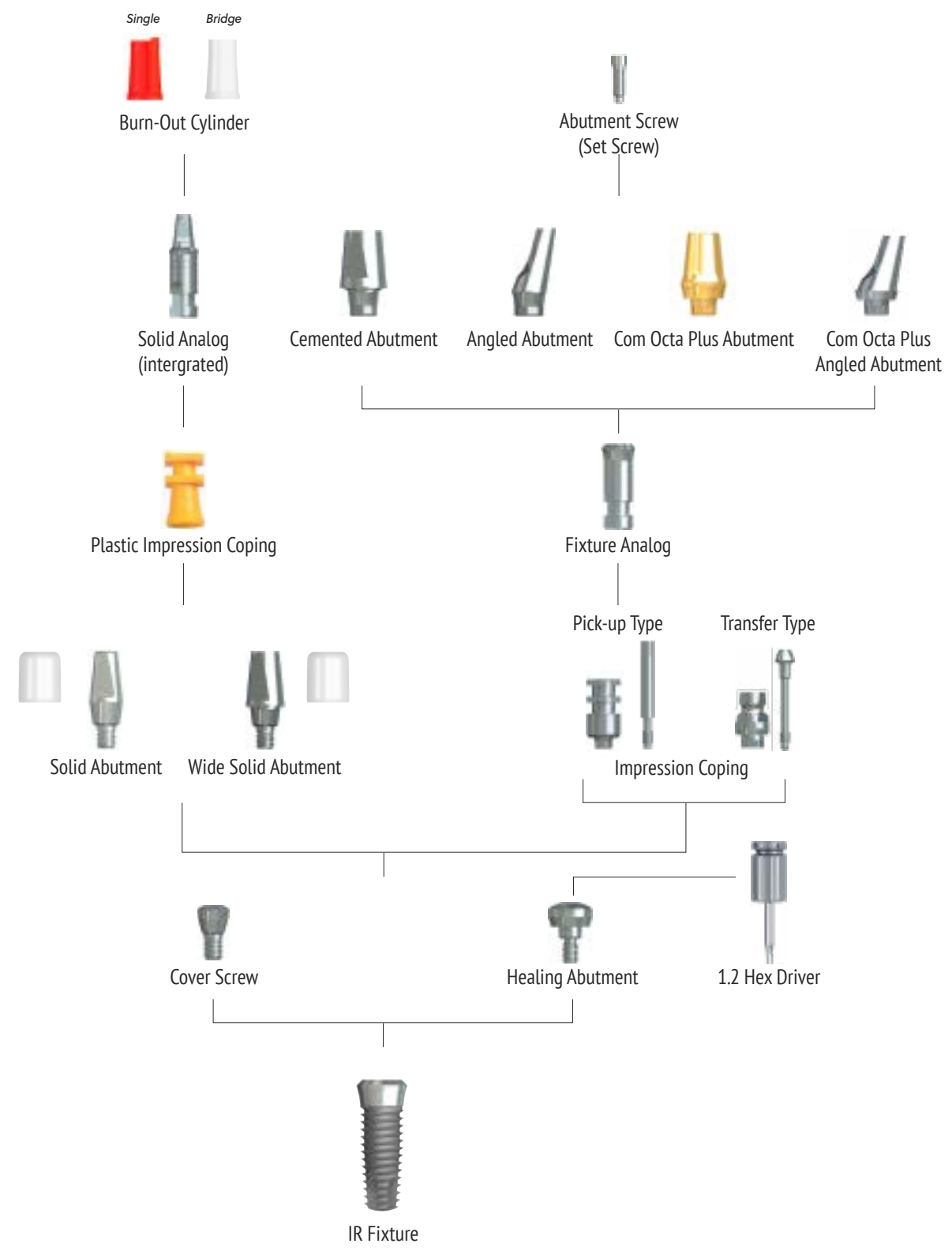
Straight Body

- Implantation performance
- Easy surgical protocol
- Decrease sensitivity on drill size

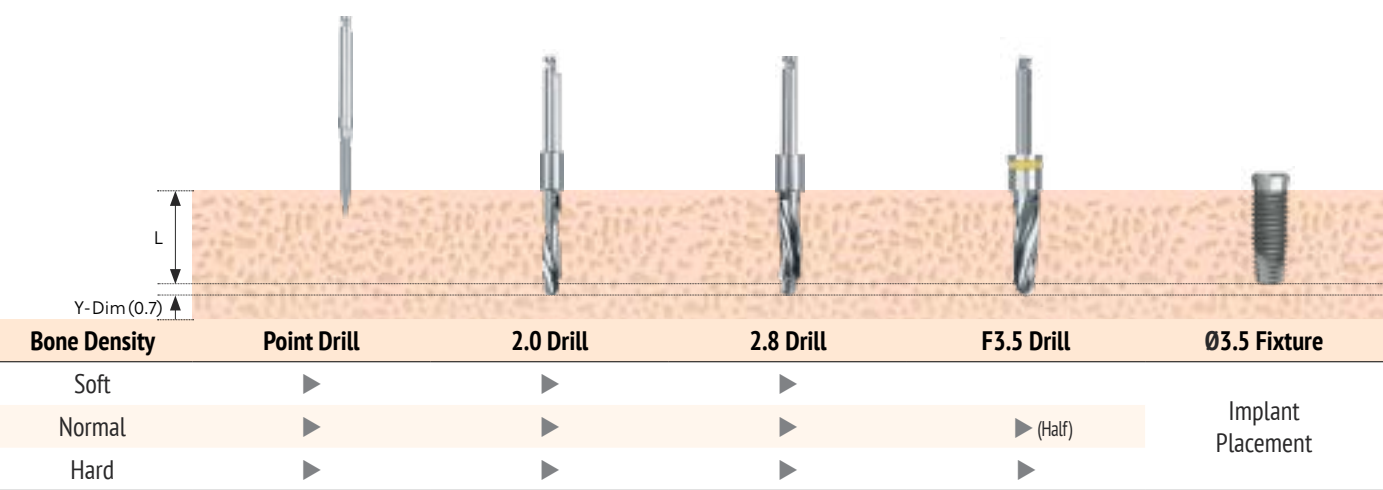
Apical

- High performance self-tapping
- High fixation

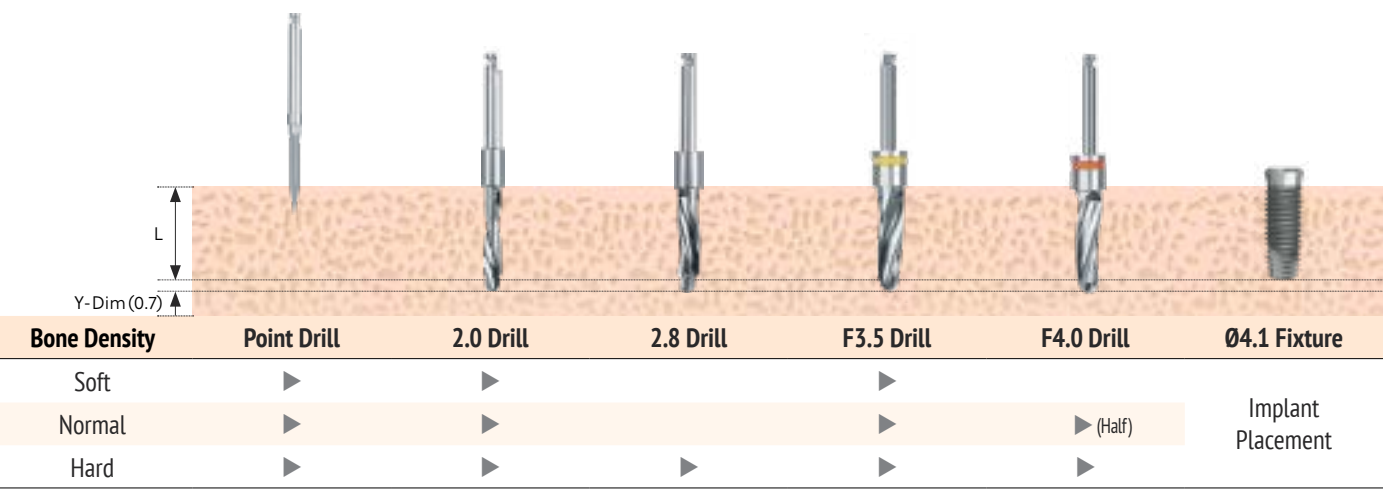
IR | Prosthetic Flow Chart



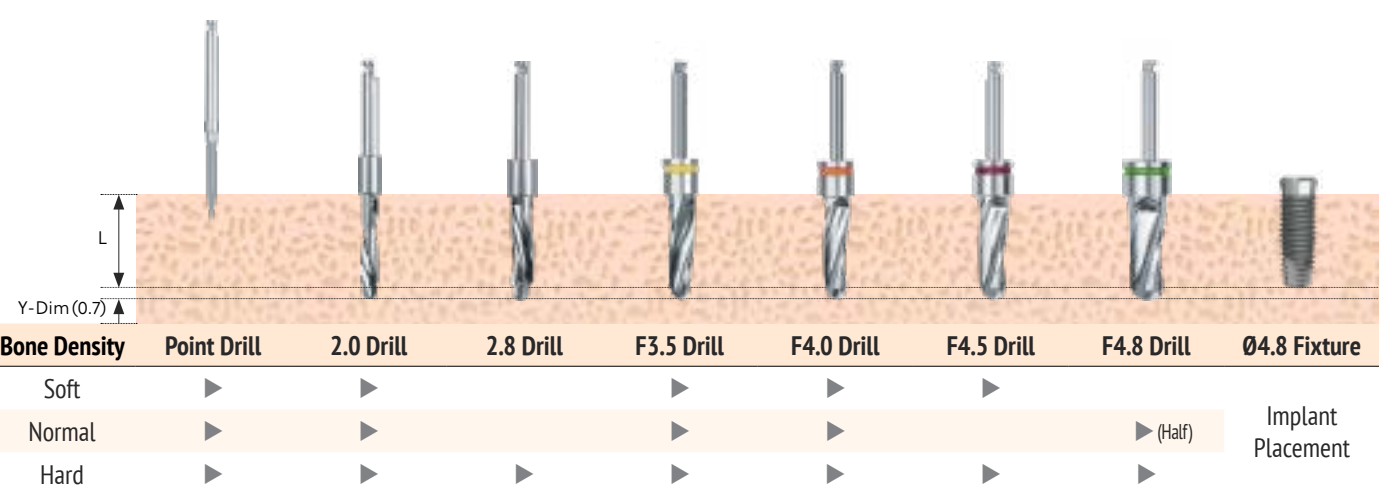
FXIR 3.5 | Drilling Sequence



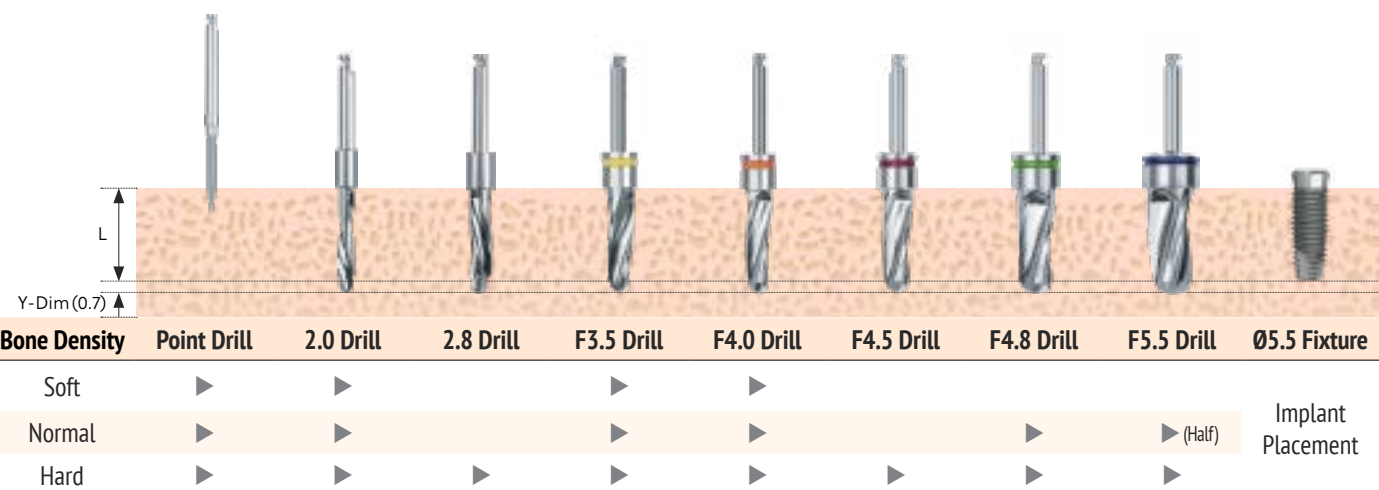
FXIR 4.1 | Drilling Sequence



FXIR 4.8 | Drilling Sequence

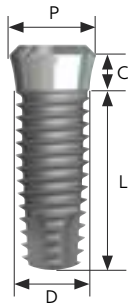


FXIR 5.5 | Drilling Sequence



IR Fixture | SLA

- Machined Surface Cuff : Affinity with the gingival tissue and easy to manage plaques
- Recommended placement torque 25 ~ 30Ncm
- Surface : SLA
- No Mount System : Using a special fixture driver with more durability and easy separation-connection to fixture



D/L		7.5	8.5	10	11.5	13	15
P Ø4.8 (D Ø3.5) N 3.1 octa	C 1.8		FXIR 3508 MS	FXIR 3510 MS	FXIR 3511 MS	FXIR 3513 MS	FXIR 3515 MS
P Ø4.8 (D Ø4.1) R 2.9 octa	C 1.8	FXIR 4007 MS	FXIR 4008 MS	FXIR 4010 MS	FXIR 4011 MS	FXIR 4013 MS	FXIR 4015 MS
	C 2.8		FXIR 4008 S	FXIR 4010 S	FXIR 4011 S	FXIR 4013 S	FXIR 4015 S
P Ø4.8 (D Ø4.8) R 2.9 octa	C 1.8	FXIR 4807 MS	FXIR 4808 MS	FXIR 4810 MS	FXIR 4811 MS	FXIR 4813 MS	FXIR 4815 MS
	C 2.8		FXIR 4808 S	FXIR 4810 S	FXIR 4811 S	FXIR 4813 S	FXIR 4815 S
P Ø6.0 (D Ø4.8) W 2.9 octa	C 2.0	FXIR 4807 WS	FXIR 4808 WS	FXIR 4810 WS	FXIR 4811 WS	FXIR 4813 WS	FXIR 4815 WS
P Ø6.0 (D Ø5.5) W 2.9 octa	C 2.0	FXIR 5507 S	FXIR 5508 S	FXIR 5510 S	FXIR 5511 S	FXIR 5513 S	FXIR 5515 S

Cover Screw

- Using in the case of the limited adjacent space or the insufficient gingival of the suture part
- Using 1.2 Hex Driver
- Fastening torque : 8Ncm



P Ø4.8 N R	CSI 4000
P Ø6.0 W	CSI 4805 W

Healing Abutment

- Using 1.2 Hex Driver
- Fastening torque : 8Ncm



P/H	1.5	2.0	3.0	4.0	6.0
P Ø4.8 N R	HAI 48601	HAI 48602	HAI 48603	HAI 48604	HAI 48606
P Ø6.0 W	HAI 60701	HAI 60702		HAI 60704	HAI 60706

Solid Abutment

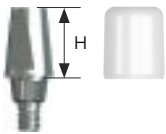
- Stable connection structure of 8 Morse Taper method
- Using for making the cement typed prosthesis
- Fastening torque : Narrow 20Ncm, Regular / Wide 30Ncm
- Protective cap included



P/H	4.0	5.5	7.0
P Ø4.8 N R	SAIS 48354 P	SAIS 48355 P	SAIS 48357 P
Outer Driver		SDB 3508(Short)	SDB 3515(Long)

Wide Solid Abutment

- Larger volume than solid abutment and suitable for molar area
- Stable connection structure of 8 Morse Taper method
- Using for making the cement typed prosthesis
- Fastening torque : Narrow 20Ncm / Regular / Wide 30Ncm
- Protective cap included



P/H	4.0	5.5	7.0
P Ø4.8 N R	SAIS 48434 P	SAIS 48435 P	SAIS 48437 P
P Ø6.0 W	SAIS 604 EWP	SAIS 605 EWP	SAIS 607 EWP

Protective Cap

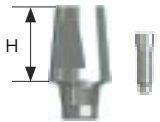
- Solid Abutment protection with reduced patient discomfort
- Used as a temporary crown base



P/H	4.0	5.5	7.0
P Ø4.8 R	SIC 4804 S	SIC 4805 S	SIC 4807 S
P Ø4.8 W Wide Solid	SIC 4804 E	SIC 4805 E	SIC 4807 E
P Ø6.0 W Wide Solid	SIC 6004 W	SIC 6005 W	SIC 6007 W

Cemented Abutment

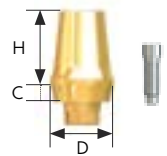
- Stable connection structure of 8 Morse Taper method
- Abutment for producing cement-retained/combination prosthesis
- Fastening torque : Narrow 20Ncm / Regular / Wide 30Ncm



P/H	4.0	5.5	7.0
P Ø4.8 N	SAIT 40434 S	SAIT 40435 S	SAIT 40437 S
P Ø4.8 R	SAITB 40434 S	SAITB 40435 S	SAITB 40437 S
P Ø6.0 W	SAITB 604 EWS	SAITB 605 EWS	SAITB 607 EWS
Screw	Abutment Screw M 2.0 (ABHS 2008)		

Com Octa Plus Abutment

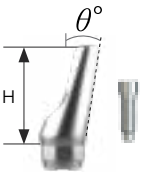
- Stable connection structure of 8 Morse Taper method
- Abutment for producing cement-retained/combination prosthesis
- Using for making the cement typed prosthesis
- Fastening torque : Narrow 20Ncm / Regular / Wide 30Ncm
- H = 6mm



P/C	2	4
P Ø4.8 R D5.5	SAITB 4826 CS	SAITB 4846 CS
Screw	Abutment Screw M 2.0 (ABHS 2008)	
P Ø6.0 W D6.5	SAITB 6026 CS	SAITB 6046 CS
Screw	Abutment Screw M 2.0 (ABHS 2008)	

Angled Abutment

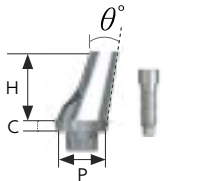
- Using for making the cement typed prosthesis
- Fastening torque : Narrow 20Ncm / Regular / Wide 30Ncm
- H = 7mm



P/θ°	θ° 15°	θ° 25°
P Ø4.8 N	AAIT 35415 S	AAIT 35425 S
Screw	Abutment Screw M 2.0 (AIHS 2006)	
P Ø4.8 R	AAITB 35415 S	AAITB 35425 S
Screw	Abutment Screw M 2.0 (AIHS 2006)	
P Ø6.0 W	AAITB 6015 WS	AAITB 6025 WS
Screw	Abutment Screw M 2.0 (AIHS 2006)	

Com Octa Plus Angled Abutment

- H = 7mm



P/θ°	C	θ° 15°	θ° 25°
P Ø4.8 R	1	AAITB 35115 CS	AAITB 35125 CS
	2	AAITB 35215 CS	AAITB 35225 CS
Screw	Abutment Screw M 2.0 (AIHS 2006)		

Fixture Analog

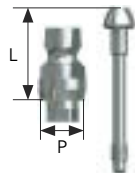
- Lab analog for fixture level impression
- An integrated Lab Analog of Abutment & Analog



P/L	15
P Ø4.8 N	LAIF 4815 M
P Ø4.8 R	LAIF 4815
P Ø6.0 W	LAIF 6015 W

Transfer Impression Coping

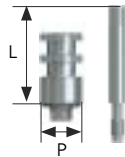
- Components for fixture level impression taking
- Using closed tray
- Triangular arc structure for stable fastening and accurate repositioning
- Hand tightened with a 1.2 hex driver



P/L	9.5 (Short)	12.5 (Long)
P Ø4.8 R	IIT 4807 S	IIT 4810 S
Pin	GTI 2014	GTI 2017
P Ø6.0 W	IIT 6007 WS	IIT 6010 WS
Pin	GTI 2014 W	GTI 2017W

Pick-up Impression Coping

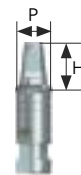
- Components for fixture level impression taking
- Using open tray
- Hand tightened with a 1.2 hex driver



P/L	8 (Short)	14 (Long)
P Ø4.8 N	IPI 4808 MS	IPI 4812 MS
P Ø4.8 R	IPI 4808 S	IPI 4812 S
P Ø6.0 W	IPI 6008 EWS	IPI 6012 EWS
Pin	GPI 2008	GPA 2013

Solid Analog

- An integrated Lab Analog of Solid Abutment & Fixture



P/H	4.0	5.5	7.0
P Ø4.8 R	LAIS 48354 L	LAIS 48355 L	LAIS 48357 L
P Ø4.8 W Wide Solid	LAIS 4854 EL	LAIS 4855 EL	LAIS 4857 EL
P Ø6.0 W Wide Solid	LAIS 604 EWL	LAIS 605 EWL	LAIS 607 EWL

Plastic Impression Coping

- A Coping for the Impression of Solid Abutment



P Ø4.8 R	IPI 4810
P Ø4.8 W Wide Solid	IPI 4810 E
P Ø6.0 W Wide Solid	IPI 6010 EW

Burn-Out Cylinder

- Replacement of resin cap before wax up using rigid abutment
- Enabling the production of elaborate prosthesis with uniform interior
- Used after casting, after cleaning the margin for proper fitting



D/Type	Single	Bridge
P Ø4.8 R Solid	PCI 4801	PCI 4801 N
P Ø4.8 W Solid	PCI 4801 E	PCI 4801 EN

BR | EXTERNAL HEX IMPLANT SYSTEM

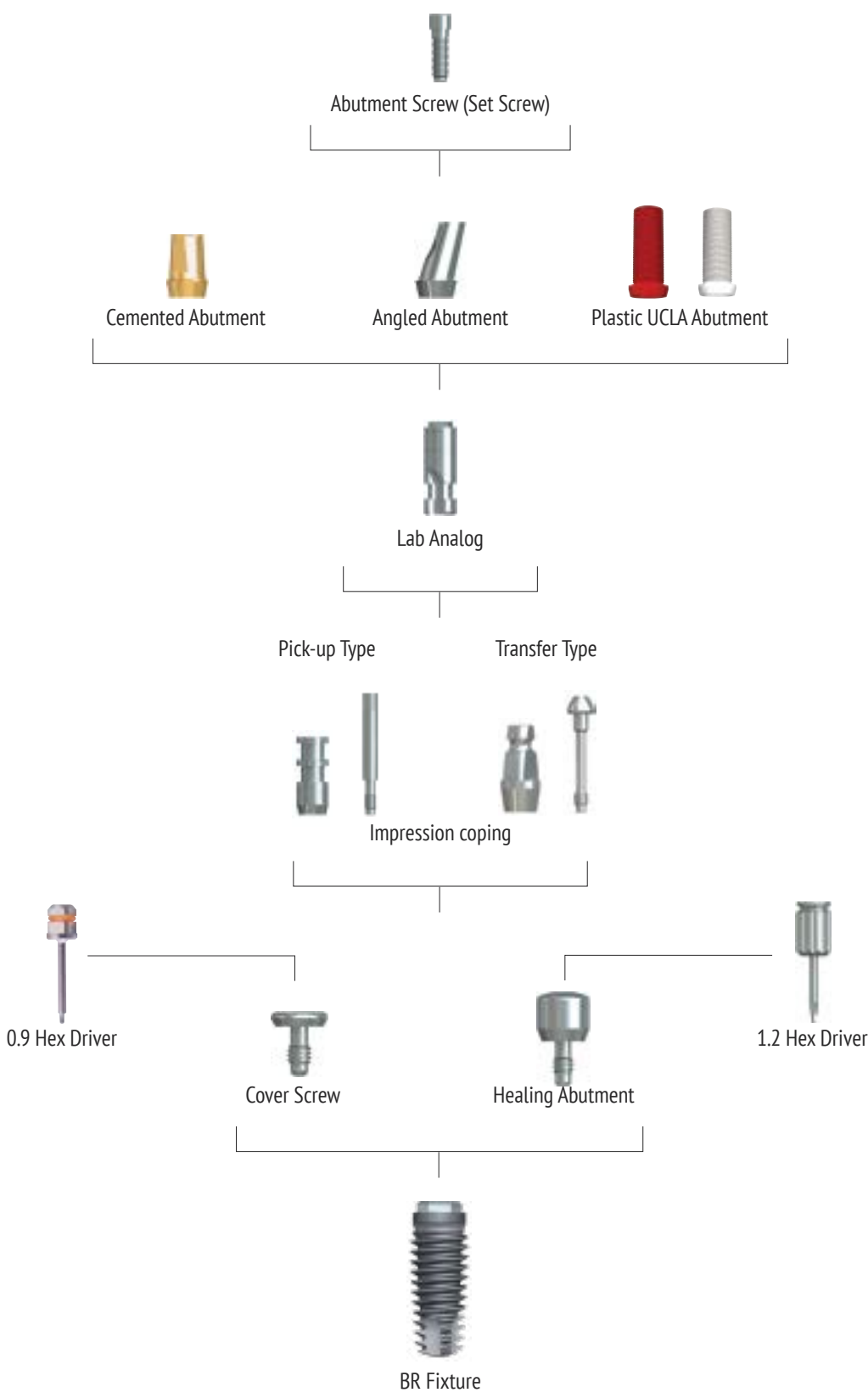


BR External Hex Impalnt System	66
BR Prosthetic Flow Chart	67
FXBR 3.3 Drilling Sequence	68
FXBR 3.7 Drilling Sequence	68
FXBR 4.0 Drilling Sequence	68
FXBR 4.5 Drilling Sequence	69
FXBR 5.0 Drilling Sequence	69
FXBR 6.0 Drilling Sequence	69
BR Fixture SLA	70
Cover Screw	71
Healing Abutment	71
Cemented Abutment (Hex)	72
Cemented Abutment (Non-Hex)	72
Angled Abutment	73
Plastic UCLA Abutment	74
Transfer Impression Coping	74
Pick-up Impression Coping	75
Lab Analog	75

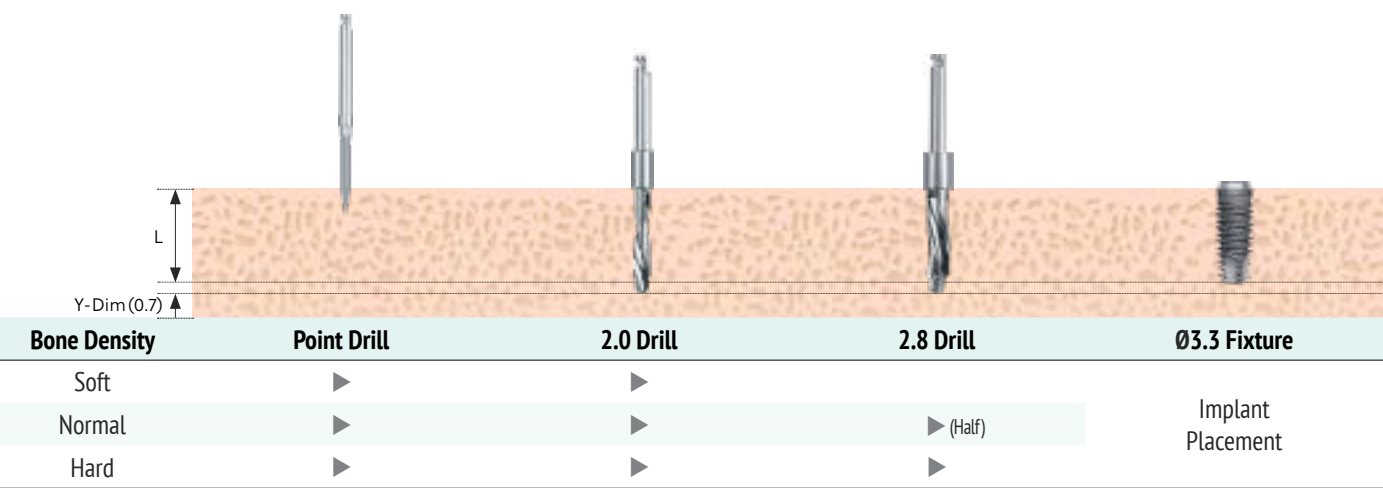
BR | External Hex Implant System



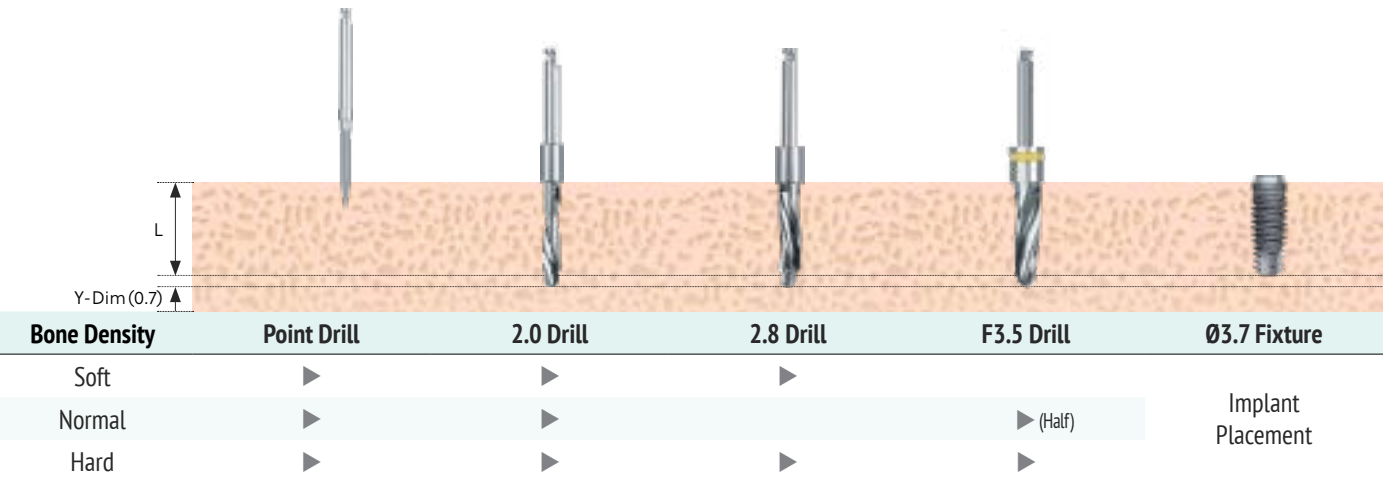
BR | Prosthetic Flow Chart



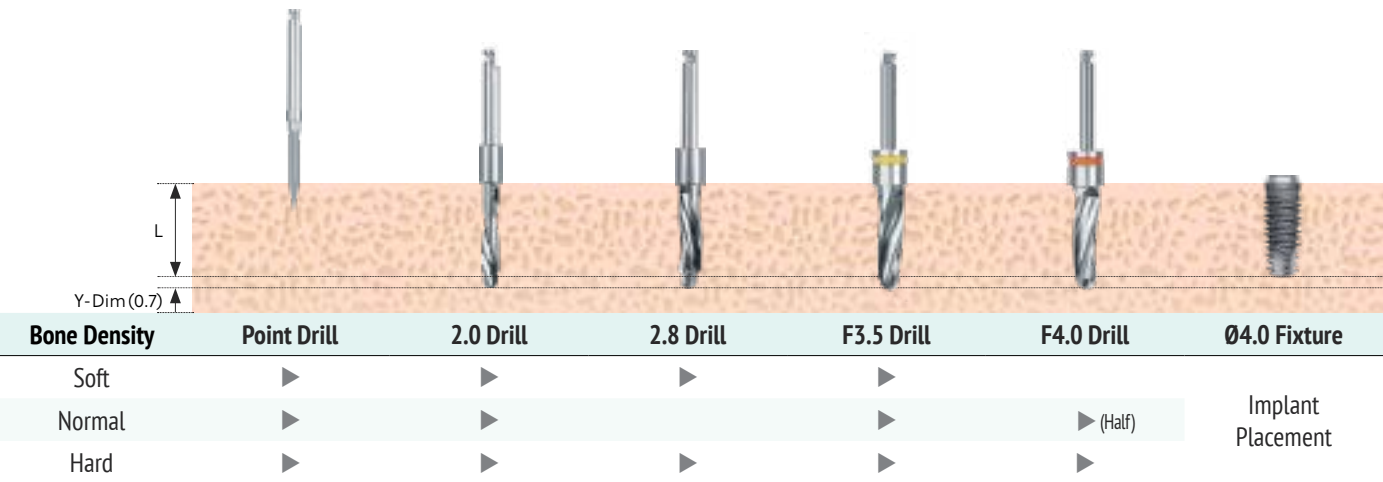
FXBR 3.3 | Drilling Sequence



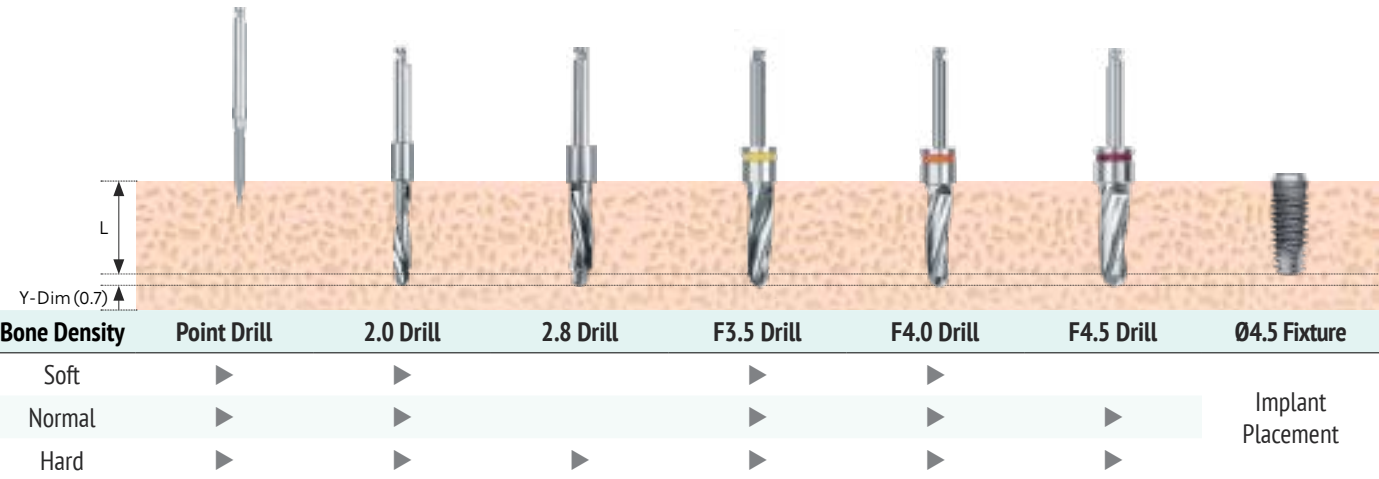
FXBR 3.7 | Drilling Sequence



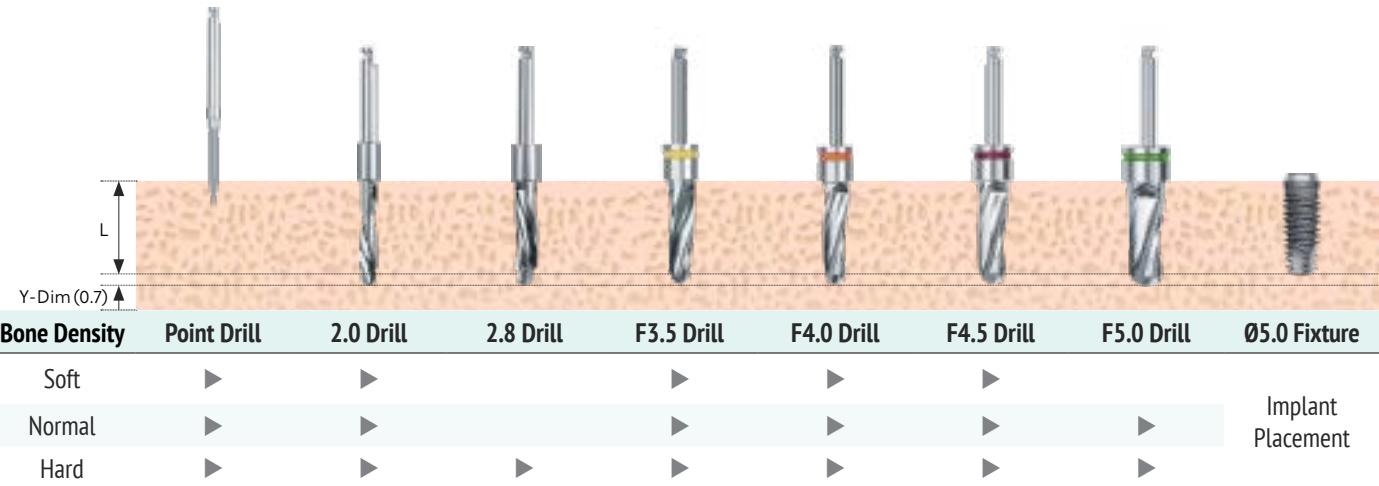
FXBR 4.0 | Drilling Sequence



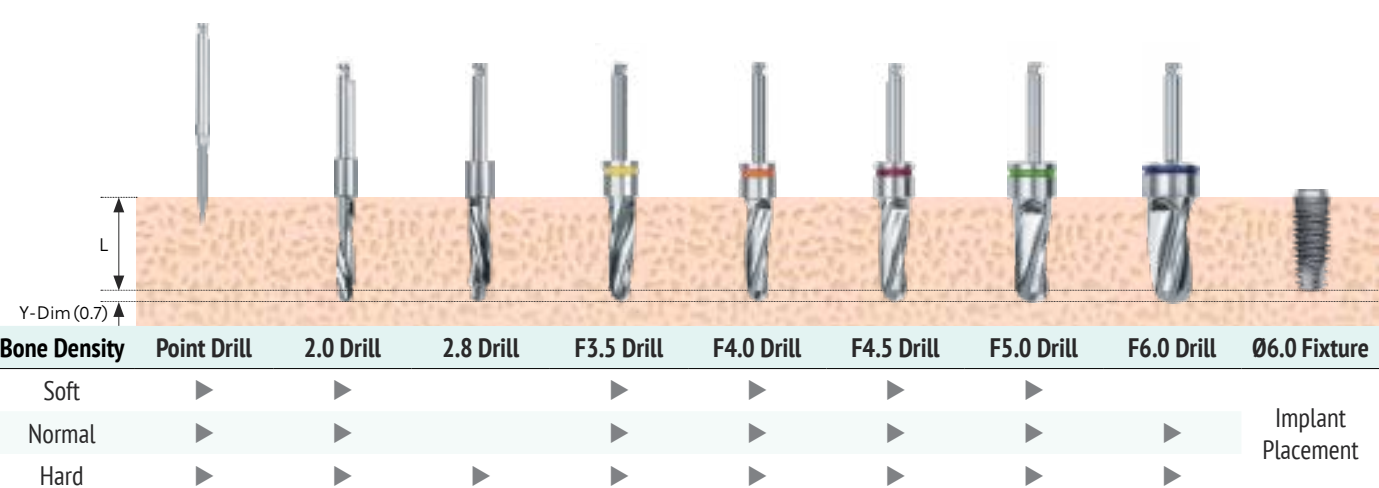
FXBR 4.5 | Drilling Sequence



FXBR 5.0 | Drilling Sequence

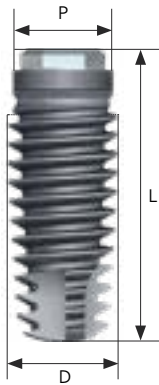


FXBR 6.0 | Drilling Sequence



BR Fixture | SLA

- No Mount System : Using a special fixture driver with more durability and easy separation to fixture
- External hex connection
- Optimal shape for initial stability
- Recommended placement torque 25 ~ 30Ncm
- Surface : SLA



D/L		7.5	8.5	10	11.5	13	15	18
P Ø3.5 Hex 2.4 N	D Ø3.3		FXBR 3308 RS	FXBR 3310 RS	FXBR 3311 RS	FXBR 3313 RS	FXBR 3315 RS	
	D Ø3.75	FXBR 3707 RS	FXBR 3708 RS	FXBR 3710 RS	FXBR 3711 RS	FXBR 3713 RS	FXBR 3715 RS	FXBR 3718 RS
P Ø4.1 Hex 2.7 R	D Ø4.0	FXBR 4007 RS	FXBR 4008 RS	FXBR 4010 RS	FXBR 4011 RS	FXBR 4013 RS	FXBR 4015 RS	FXBR 4018 RS
	D Ø4.5		FXBR 4508 RS	FXBR 4510 RS	FXBR 4511 RS	FXBR 4513 RS		
P Ø5.1 Hex 3.4 W	D Ø5.0	FXBR 5007 RS	FXBR 5008 RS	FXBR 5010 RS	FXBR 5011 RS	FXBR 5013 RS	FXBR 5015 RS	
	D Ø6.0	FXBR 6007 RSS	FXBR 6008 RSS	FXBR 6010 RSS	FXBR 6011 RSS	FXBR 6013 RSS	FXBR 6015 RSS	
T-Type Hex 2.7 W-T	D Ø5.0	FXTR 5007 RS	FXTR 5008 RS	FXTR 5010 RS	FXTR 5011 RS	FXTR 5013 RS	FXTR 5015 RS	

Cover Screw

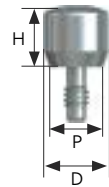
- 0.9 Hex Driver
- Fastening torque : 8Ncm



P Ø3.5	N	CSB 3501
P Ø4.1	R	CSB 4101
P Ø5.1	W	CSB 5001
P Ø5.0	W-T	CST 5000

Healing Abutment

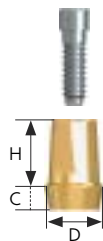
- Use a 1.2 Hex Driver
- Fastening torque : 8Ncm



D/H	2	3	4	5	7
Ø4.0 	HAB 35402		HAB 35404		
Ø5.0 	HAB 41502	HAB 41503	HAB 41504	HAB 41505	HAB 41507
Ø6.0 	HAB 41602	HAB 41603	HAB 41604	HAB 41605	HAB 41607
Ø6.0 	HAB 50602	HAB 50603	HAB 50604	HAB 50605	
Ø6.0 	HAT 50602	HAT 50603	HAT 50604	HAT 50605	HAT 50607

Cemented Abutment (Hex)

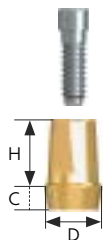
- An abutment for a single prosthesis.
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm
- Regular / Wide 30Ncm



D/C		1	2	3	4
Ø4.0 N	H 6.0		SABT 35425 S		SABT 35445 S
	H 7.5	SABT 35417 S	SABT 35427 S		SABT 35447 S
	Screw	Abutment Screw M 1.6 (ABHS 1608)			
Ø5.0 R	H 4.0	SABT 40514 S	SABT 40524 S	SABT 40534 S	SABT 40544 S
	H 5.5	SABT 40515 S	SABT 40525 S	SABT 40535 S	SABT 40545 S
	H 7.0	SABT 40517 S	SABT 40527 S	SABT 40537 S	SABT 40547 S
	Screw	Abutment Screw M 2.0 (ABHS 2008)			
Ø6.0 W	H 4.0	SABT 50614 S	SABT 50624 S	SABT 50634 S	SABT 50644 S
	H 5.5	SABT 50615 S	SABT 50625 S	SABT 50635 S	SABT 50645 S
	H 7.0	SABT 50617 S	SABT 50627 S	SABT 50637 S	SABT 50647 S
	Screw	Abutment Screw M 2.5 (ABHS 2508)			
Ø6.0 T-Type W-T	H 4.0	SATT 50614 S	SATT 50624 S	SATT 50634 S	SATT 50644 S
	H 5.5	SATT 50615 S	SATT 50625 S	SATT 50635 S	SATT 50645 S
	H 7.0	SATT 50617 S	SATT 50627 S	SATT 50637 S	SATT 50647 S
	Screw	Abutment Screw M 2.0 (ABHS 2008)			

Cemented Abutment (Non-Hex)

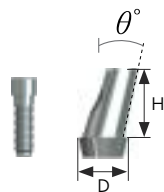
- An abutment for multiple prosthesis.
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm
- Regular / Wide 30Ncm



D/C		1	2	3	4
Ø4.0 N	H 7.5	SABT 35417 NS	SABT 35427 NS	SABT 35437 NS	SABT 35447 NS
	Screw	Abutment Screw M 1.6 (ABHS 1608)			
Ø5.0 R	H 7.0	SABT 40517 NS	SABT 40527 NS	SABT 40537 NS	SABT 40547 NS
	Screw	Abutment Screw M 2.0 (ABHS 2008)			
Ø6.0 W	H 5.5		SABT 50625 NS	SABT 50635 NS	
	H 7.0	SABT 50617 NS	SABT 50627 NS	SABT 50637 NS	SABT 50647 NS
	Screw	Abutment Screw M 2.5 (ABHS 2508)			
Ø6.0 T-Type W-T	H 5.5		SATT 50635 NS		
	Screw	Abutment Screw M 2.0 (ABHS 2008)			

Angled Abutment

- 15°/25° fixture insertion for angle compensation
- Using a 1.2 Hex Driver
- Fastening torque : Narrow 20Ncm
- Regular / Wide 30Ncm
- H : 7mm



D/C		1	2	3	4
Ø4.0 N	$\theta^{\circ}15^{\circ}$	AABT 35115 S	AABT 35215 S	AABT 35315 S	AABT 35415 S
	$\theta^{\circ}25^{\circ}$	AABT 35125 S	AABT 35225 S	AABT 35325 S	AABT 35425 S
	Screw	Abutment Screw M 1.6 (ABHS 1608)			
Ø5.0 R	$\theta^{\circ}15^{\circ}$	AABT 40115 S	AABT 40215 S	AABT 40315 S	AABT 40415 S
	$\theta^{\circ}25^{\circ}$	AABT 40125 S	AABT 40225 S	AABT 40325 S	AABT 40425 S
	Screw	Abutment Screw M 2.0 (ABHS 2008)			
Ø6.0 W	$\theta^{\circ}15^{\circ}$		AABT 50215 S		AABT 50415 S
	$\theta^{\circ}25^{\circ}$		AABT 50225 S		AABT 50425 S
	Screw	Abutment Screw M 2.5 (ABHS 2508)			
Ø6.0 T-Type W-T	$\theta^{\circ}15^{\circ}$		AATT 50215 S		AATT 50415 S
	$\theta^{\circ}25^{\circ}$		AATT 50225 S		AATT 50425 S
	Screw	Abutment Screw M 2.0 (ABHS 2008)			

Plastic UCLA Abutment

- Abutment for producing cement-retained/combination/ screw-retained prosthesis
- Used to produce customized prosthesis by casting with nonprecious metal alloy up to the abutment joint
- Fixture level impression
- Tightened with a 1.2 hex driver
- Recommended tightening torque : Narrow 20Ncm. Regular / Wide 30Ncm



P Ø3.5 N	Hex	PABT 3540 S
	Non-Hex	PABT 3540 NS
	Screw	Abutment Screw M 1.6 (ABHS 1608)
P Ø4.0 R	Hex	PABT 4050 S
	Non-Hex	PABT 4050 NS
	Screw	Abutment Screw M 2.0 (ABHS 2008)
P Ø5.0 W	Hex	PABT 5060 S
	Non-Hex	PABT 5060 NS
	Screw	Abutment Screw M 2.5 (ABHS 2508)
P Ø5.0 T-Type W-T	Hex	PATT 5060 S
	Non-Hex	PATT 5060 NS
	Screw	Abutment Screw M 2.0 (ABHS 2008)

Transfer Impression Coping

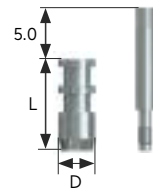
- Components for fixture level impression taking
- Using closed tray
- Triangular arc structure for stable fastening and accurate repositioning
- Hand tightened with a 1.2 hex driver



D/L	8 (Short)	11 (Long)
D Ø4.0 N	ITB 3508 TS	ITB 3511 TS
Pin	GTB 1611 T	GTB 1614 T
D Ø5.0 R	ITB 4108 TS	ITB 4111 TS
Pin	GTB 2011 T	GTB 2014 T
D Ø6.0 W	ITB 5108 TS	ITB 5111 TS
Pin	GTB 2511 T	GTB 2514 T

Pick-up Impression Coping

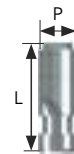
- Components for fixture level impression taking
- Using open tray
- Hand tightened with a 1.2 hex driver



P/L	12
D Ø4.0 N	IPB 35412 S
Pin	GPB 1615
D Ø5.0 R	IPB 40512 S
Pin	GPB 2015
D Ø6.0 W	IPB 50612 S
Pin	GPB 2515

Lab Analog

- Lab analog for fixture level impression



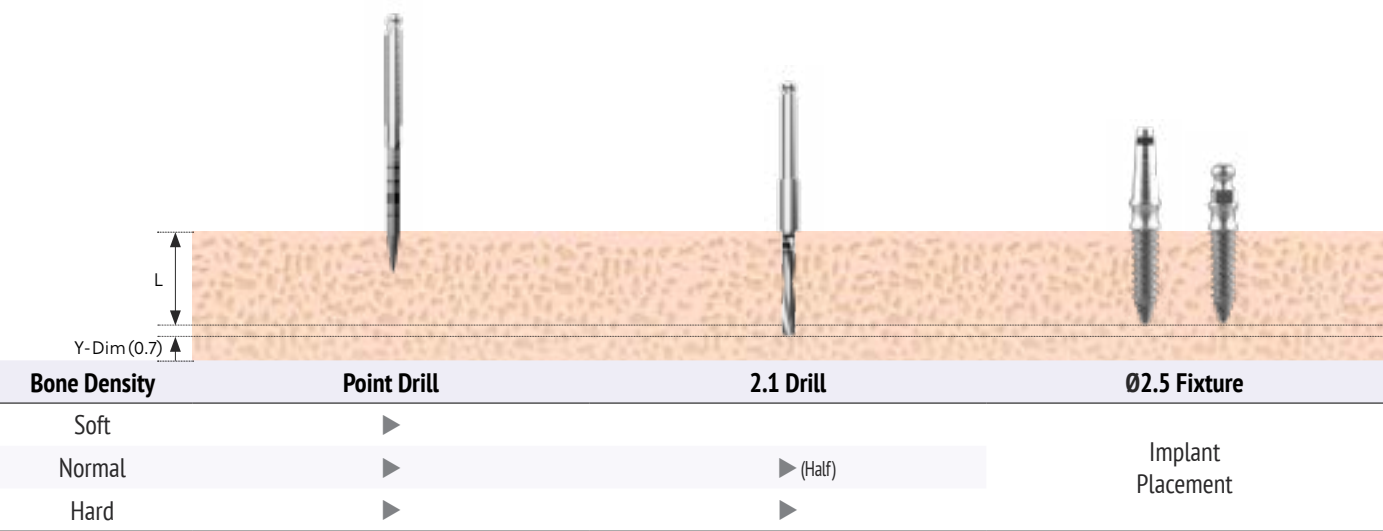
P/L	15 (Short)	18 (Long)
P Ø3.5 N	LAB 3515	
P Ø4.0 R	LAB 4015	LAB 4018
P Ø5.0 W	LAB 5015	LAB 5018
P Ø5.0 T-Type W-T	LAT 5015	

MR | ONE BODY IMPLANT SYSTEM

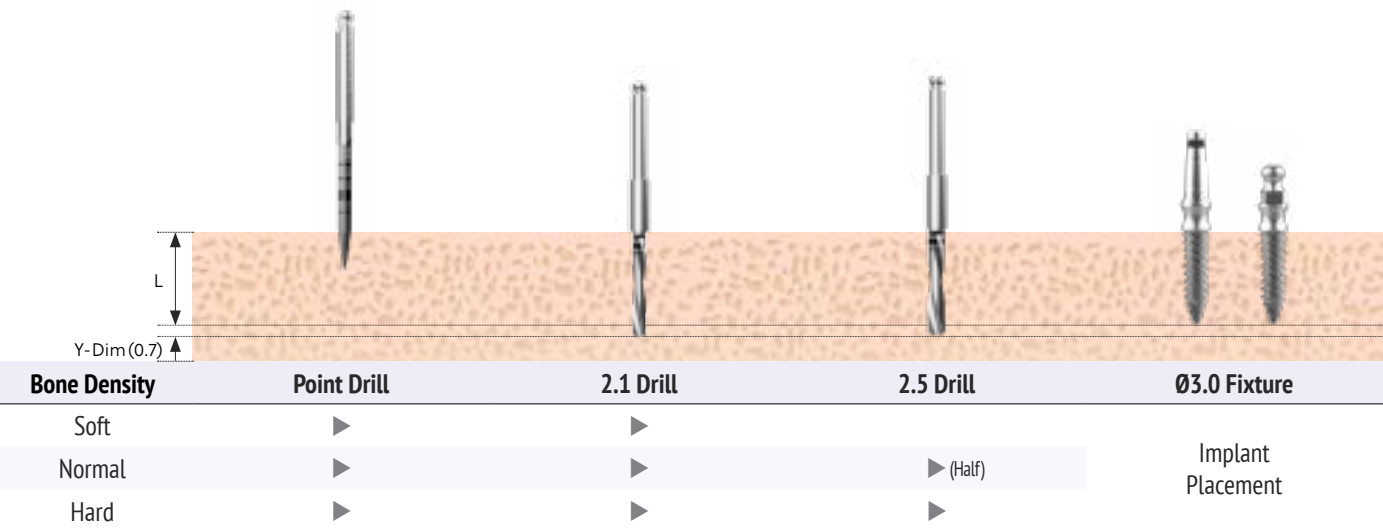


BOS 2.5/BOB 2.5 Drilling Sequence	78
BOS 3.0/BOB 3.0 Drilling Sequence	78
Micro Thread Type	79
Single Thread Type	80
Plastic Impression Coping	81
Plastic Temporary Cap	81
Lab Analog	81
Burn-out Cylinder	81
Denture Type	82
Retainer Cap Set	83
O-ring	83
O-ring Lab Analog	83
O-ring Abutment Torque driver	83

BOS 2.5/BOB 2.5 | Drilling Sequence

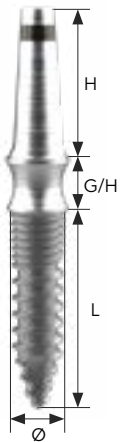


BOS 3.0/BOB 3.0 | Drilling Sequence



Micro Thread Type

- This implant is suitable for a narrow ridge, such as the lower anterior region
- Fixture and abutment are combined to withstand chewing pressure and Micro thread design was adopted to increase chewing power
- Surface treatment is sandblasted with alumina oxide and acid etched (SLA)
- The shape and the size of abutment part were optimized to enable prosthetics without cutting
- Temporary cap increases the convenience of manufacturing immediate prosthetics
- Impression cap and lab analog enable a sophisticated restorative process
- Optimal insertion torque : 30Ncm



Code	Ø	L	G/H	H
BOM 2508S25	2.5	8.5	2.5	7.0
BOM 2510S25	2.5	10.0	2.5	7.0
BOM 2511S25	2.5	11.5	2.5	7.0
BOM 2513S25	2.5	13.0	2.5	7.0
BOM 2508S40	2.5	8.5	4.0	7.0
BOM 2510S40	2.5	10.0	4.0	7.0
BOM 2511S40	2.5	11.5	4.0	7.0
BOM 2513S40	2.5	13.0	4.0	7.0
BOM 3008S25	3.0	8.5	2.5	7.0
BOM 3010S25	3.0	10.0	2.5	7.0
BOM 3011S25	3.0	11.5	2.5	7.0
BOM 3013S25	3.0	13.0	2.5	7.0
BOM 3008S40	3.0	8.5	4.0	7.0
BOM 3010S40	3.0	10.0	4.0	7.0
BOM 3011S40	3.0	11.5	4.0	7.0
BOM 3013S40	3.0	13.0	4.0	7.0

Single Thread Type

- A single body, mini dental implant that is designed for narrow spaces such as the mandibular anterior jaw
- Surface treatment is sandblasted with alumina oxide and acid etched (SLA)
- Abutment shape and size is optimized for cutting-free prosthetic work
- Body and thread are designed for flawless insertion and excellent stability
- Optimal insertion torque : 30Ncm



Code	Ø	L	G/H	H
BOS 2508S25	2.5	8.5	2.5	7.0
BOS 2510S25	2.5	10.0	2.5	7.0
BOS 2511S25	2.5	11.5	2.5	7.0
BOS 2513S25	2.5	13.0	2.5	7.0
BOS 2508S40	2.5	8.5	4.0	7.0
BOS 2510S40	2.5	10.0	4.0	7.0
BOS 2511S40	2.5	11.5	4.0	7.0
BOS 2513S40	2.5	13.0	4.0	7.0
BOS 3008S25	3.0	8.5	2.5	7.0
BOS 3010S25	3.0	10.0	2.5	7.0
BOS 3011S25	3.0	11.5	2.5	7.0
BOS 3013S25	3.0	13.0	2.5	7.0
BOS 3008S40	3.0	8.5	4.0	7.0
BOS 3010S40	3.0	10.0	4.0	7.0
BOS 3011S40	3.0	11.5	4.0	7.0
BOS 3013S40	3.0	13.0	4.0	7.0

Plastic Impression Coping

- Precise impressions



Code
BOPIC

Plastic Temporary Cap

- Fabricate provisional prosthesis



Code
BOPTC

Lab Analog

- Implementing the oral MR implant narrow ridge abutment on the working model



Code
MRPLA

Burn-out Cylinder

- Can be used as the framework for a prosthesis
- Used to clean the margin of a casted prosthesis



MRPBCS

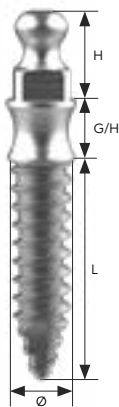


MRPBCB

Code	Type
MRPBCS	Single
MRPBCB	Bridge

Denture Type

- A single body, mini dental implant that is designed for denture fixation
- Surface treatment is sandblasted with alumina oxide and acid etched (SLA)
- Comes in 2.5 or 4mm gingival heights
- Collar O-ball head for use with O-ring Retainer Cap Set
- Optimal insertion torque : 30Ncm



Code	Ø	L	G/H	H
BOB 2508S25	2.5	8.5	2.5	3.85
BOB 2510S25	2.5	10.0	2.5	3.85
BOB 2511S25	2.5	11.5	2.5	3.85
BOB 2513S25	2.5	13.0	2.5	3.85
BOB 2508S40	2.5	8.5	4.0	3.85
BOB 2510S40	2.5	10.0	4.0	3.85
BOB 2511S40	2.5	11.5	4.0	3.85
BOB 2513S40	2.5	13.0	4.0	3.85
BOB 3008S25	3.0	8.5	2.5	3.85
BOB 3010S25	3.0	10.0	2.5	3.85
BOB 3011S25	3.0	11.5	2.5	3.85
BOB 3013S25	3.0	13.0	2.5	3.85
BOB 3008S40	3.0	8.5	4.0	3.85
BOB 3010S40	3.0	10.0	4.0	3.85
BOB 3011S40	3.0	11.5	4.0	3.85
BOB 3013S40	3.0	13.0	4.0	3.85

Retainer Cap Set

- Packing unit : Retainer cap + O-ring



Code
BRCS

O-ring

- Packing unit : O-ring 1 piece



Code
BOR45R

O-ring Lab Analog

- Make Oral Ball abutments on the working model
- Packing unit : Lab analog



Code
MRBLA

O-ring Abutment Torque driver



Code	L	D
BOBTDS	Short	Ø 3.8
BOBTDL	Long	Ø 3.8

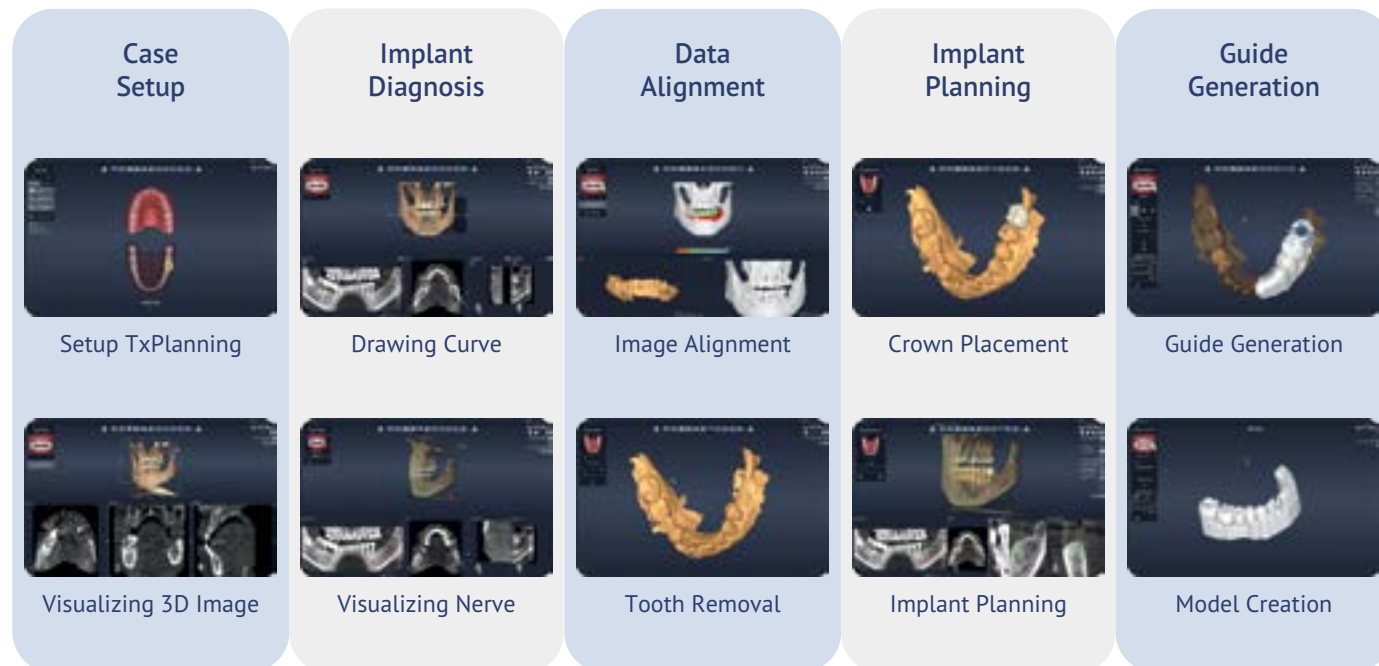
DIGITAL PART



Dentiq Guide (Implant Planning & Guide Design)	86
Why DentiqGuide	86
Scan Body (Intra-Oral)	87
Scan Body (Model)	88
How to use scan body	89
DBTS Technique (Digital Biotem Technology System)	90
Scan Body (Intra-Oral)	91
Scan Body (Model)	91
3D-Analog (GeoMedi)	91
Q - base	92
Pre-Milled Abutment (Lab)	93
Ti-base Abutment	94
HERI System	95
Ready Made Abutment (Intra-Oral & Lab)	96
3D LAB Analog	97
Multi Abutment (library)	97
Multi Scan-Body	97
Digital Multi Lab Analog	98
Multi Ti-base	98

Dentiq Guide (Implant Planning & Guide Design)

- DentiqGuide is a dental implant planning and design software to perform implant treatment planning & simulation based on prosthetics and design any surgical guides including even edentulous cases.
- Our implant planning & design software supports various implant surgery cases for dental clinics and fully realizes open digital implant workflow.



Why DentiqGuide



- Open, Flexible, and Secured Implant Dentistry Workflow
- Easy and Fast Planning & Design



- Prosthetic Driven Implant Planning & Guide Design
- Full CAD Functionalities for Prosthetic Design



- Comprehensive Ranges of Clinical Cases
- Multiple Implants or Edentulous Cases



- Cost-Effective Licensing & Payment Model
- Based on Pay-Per-Usage Model



- *NOTICE

- You can download a trial version of the program from the link.
- (<https://www.dentiqsolution.com/support/download/>).
- The trial version allows 2 free export (print).

Scan Body (Intra-Oral)

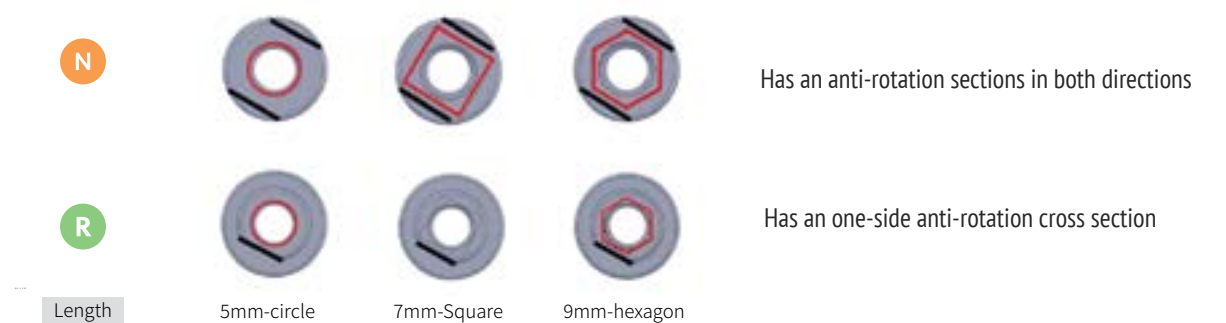
- Healing type scanbody
 - Can be used instead of healing abutment
 - Minimizes the feeling of foreign body sensation when replacing with Biotem healing abutment
- Special coating allows accurate scanning without any scan spray
- Provides various sizes for ease in the clinic
- Easy-to-recognize design
- Can be used on model in the lab
- Engage using a exclusive holder and lock using a 1.2 hex driver.



Sizes

D/H	5	7	9
Ø4.0 	HSAM 4005 S	HSAM 4007 S	HSAM 4009 S
Screw	SSAM 10	SSAM 12	SSAM 14
Ø4.0 	HSAM 4005 OS	HSAM 4007 OS	HSAM 4009 OS
Screw	SSAM 10 O	SSAM 12 O	SSAM 14 O
Ø4.0 	HSAR 4005 S	HSAR 4007 S	HSAR 4009 S
Ø5.0 	HSAR 5005 S	HSAR 5007 S	HSAR 5009 S
Ø6.0 	HSAR 6005 S	HSAR 6007 S	HSAR 6009 S
Screw	SSAR 10	SSAR 12	SSAR 14

Shape



- Advantages of forming a shape in the middle of the platform
 - Easy to read even if part of the platform is covered with gum

Scan Body (Model)

- Scanbody for model
- The specifications are the same as the oral scan body
- The library code is the same as for oral scanbody use
- Special coating allows accurate scanning without any scan spray
- Provides various sizes for ease in the lab
- Easy-to-recognize design
- Engage using a exclusive holder and lock using a 1.2 hex driver
- Packing - Body + screw



Sizes

D/H	5	7	9
Ø4.0 N	SMAM 4005 S	SMAM 4007 S	SMAM 4009 S
Screw	SMSAM 10	SMSAM 12	SMSAM 14
Ø4.0 O	SMAM 4005 OS	SMAM 4007 OS	SMAM 4009 OS
Screw	SMSAM 10 O	SMSAM 12 O	SMSAM 14 O
Ø4.0 R	SMAR 4005 S	SMAR 4007 S	SMAR 4009 S
Ø5.0 R	SMAR 5005 S	SMAR 5007 S	SMAR 5009 S
Ø6.0 R	SMAR 6005 S	SMAR 6007 S	SMAR 6009 S
Screw	SMSAR 10	SMSAR 12	SMSAR 14

Shape

N

R

Length

5mm-circle

7mm-Square

9mm-hexagon

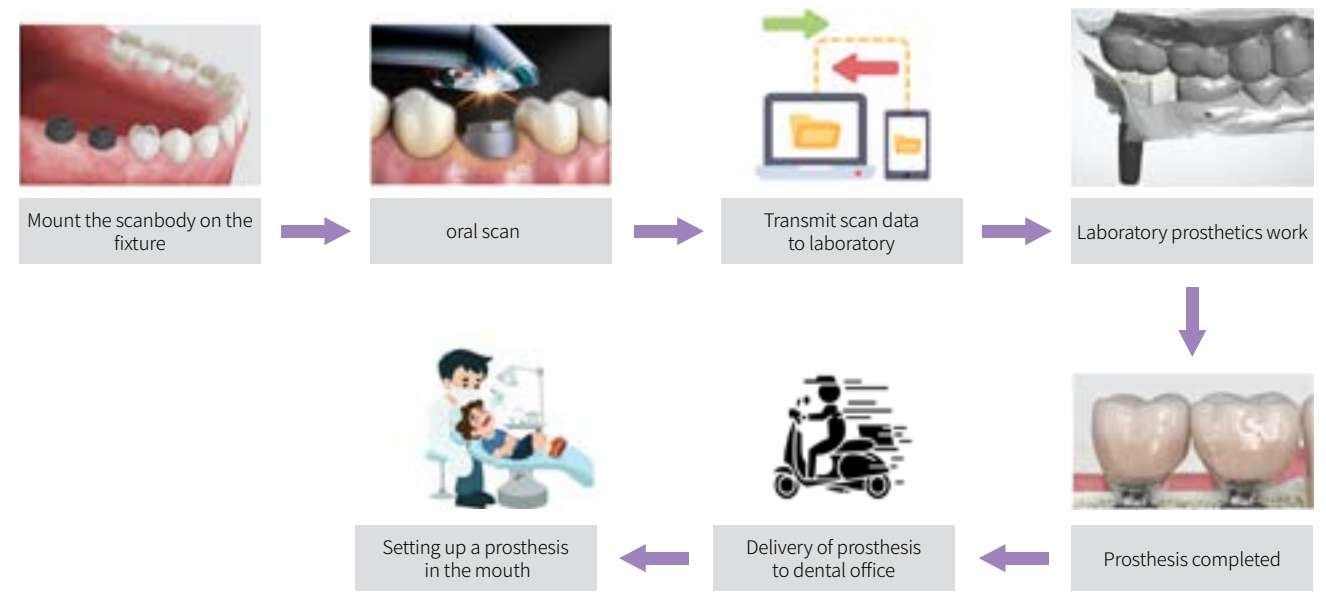
Has an anti-rotation sections in both directions

Has an one-side anti-rotation cross section

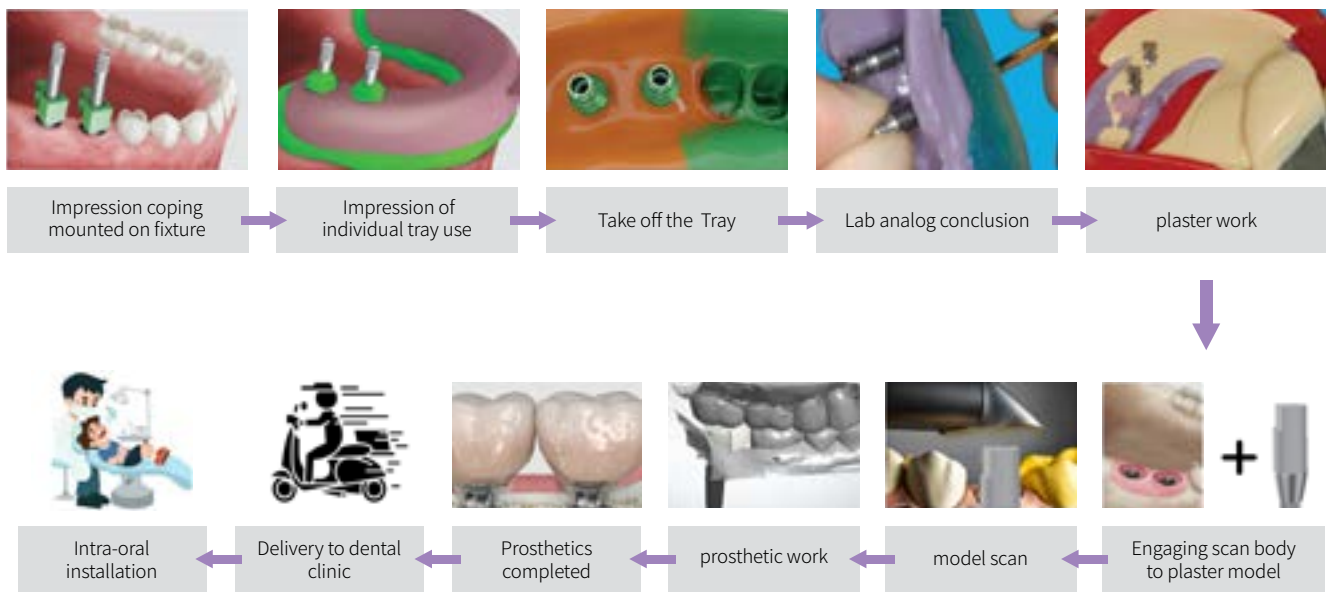
- Advantages of forming a shape in the middle of the platform
- Easy to read even if part of the platform is covered with gum

How to use scan body

Intra-oral scanning



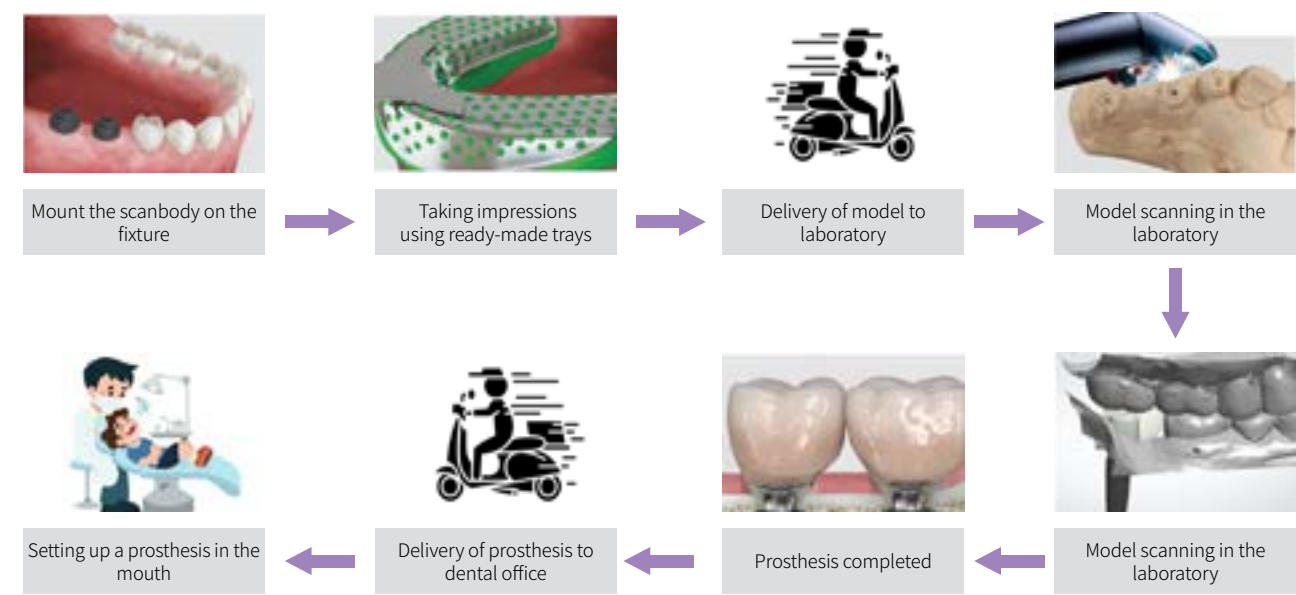
Model scanning



DBTS Technique (Digital Biotem Technology System)

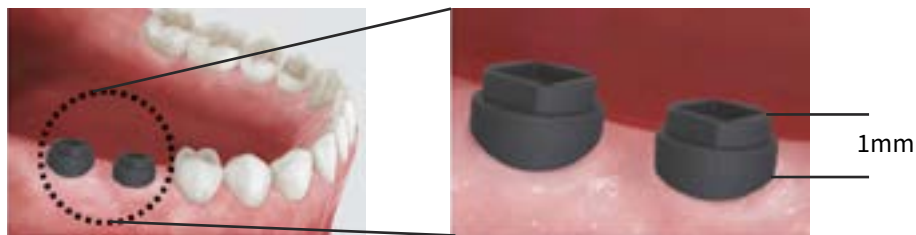
- Can be used even without intraoral scanner
- No need to make individual trays
- Eliminates the hassle of finding guide pins
- Increased accuracy by skipping the analog fastening process
- Reduced chair time by skipping the removal process of intra-oral impression coping

Procedure



Tips for use

- Accuracy is high when the scan body platform is located 1mm higher than the gum level



- For full mouth cases, the impression taking method is more accurate than using an intraoral scanner.

Scan Body (Intra-Oral)

- Biocompatible Titanium(Ti-6Al-4V ELI) from CARPENTER Co. guarantees durability which can be autoclavable and reusable.
- Special coating allows to scan without any scan spray
- Provides with two different sizes. - Short(7.5mm) / Long(11.5mm)
- Highly precise library (Geo) is provided for CAD s/w (3Shape, Exocad, Dental Wings)



	Short	Long
N	GMS-ASRS	GMS-ASRL
R	GMS-SUROS	GMS-SUROL

Scan Body (Model)

- Dental Lab Scan Body (For stone model)
- Teflon-coating
- Scan spray not necessary
- Semipermanent scanbody which assures accurate scan data.



	Size
N	SC-ASR
R	SC-SURO

3D-Analog (GeoMedi)

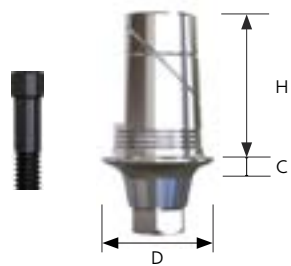
- Can be used both stone & 3D printed model
- 3D Analog has grooves for additional retention.
- Simple structure of 1 piece



	Code
N	3D-ASR
R	3D-SURO

Q - base

- Abutment that can be transformed into four different layouts
- Abutment designed for zirconia prosthetics
- Increased convenience by providing libraries in four shapes
- Cut out and use according to the required shape
- H = 7mm



Sizes

D/C	1	3	5
Ø4.4 N	QBAM 4401 S	QBAM 4403 S	QBAM 4405 S
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)		
Ø4.4 O	QBAM 4401 OS	QBAM 4403 OS	QBAM 4405 OS
Screw	Abutment Screw M 1.6 (OAAHS 1612 Ebony)		
Ø5.5 R	QBAR 5501 S	QBAR 5505 S	QBAR 5505 S
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)		



Pre-Milled Abutment (Lab)

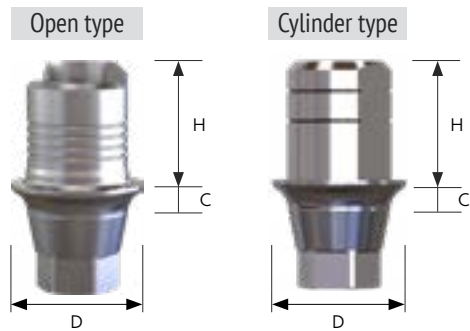
- Fabricate custom abutment using milling machine
- Compatible for use with various implant systems
- Recommended torque : Narrow - 20Ncm
Regular - 30Ncm



	D/H	10	14
AM	N	PLAM10H AM (Hex) PLAM10N AM (NonHex)	PLAM14H AM (Hex) PLAM14N AM (NonHex)
	R	PLAR10H AM (Hex) PLAR10N AM (NonHex)	PLAR14H AM(Hex) PLAR14N AM (NonHex)
VH	N	PLAM10H VH (Hex) PLAM10N VH (NonHex)	PLAM14H VH (Hex) PLAM14N VH (NonHex)
	R	PLAR10H VH (Hex) PLAR10N VH (NonHex)	PLAR14H VH (Hex) PLAR14N VH (NonHex)
RD	N	PLAM10H RD (Hex) PLAM10N RD (NonHex)	PLAM14H RD (Hex) PLAM14N RD (NonHex)
	R	PLAR10H RD (Hex) PLAR10N RD (NonHex)	PLAR14H RD (Hex) PLAR14N RD (NonHex)
II	N	PLAM10H II (Hex) PLAM10N II (NonHex)	PLAM14H II (Hex) PLAM14N II (NonHex)
	R	PLAR10H II (Hex) PLAR10N II (NonHex)	PLAR14H II (Hex) PLAR14N II (NonHex)

Ti-base Abutment

- Used for producing Ti + Zr custom abutment with CAD/CAM equipment
- Implant level impression
- Fastening torque : Narrow 20Ncm / Regular 30Ncm
- Use the official Biotem implant library



		D/C	1	2	3	4
D Ø4.0 	HEX	H 4.0 open	Tibs-011 MSA	Tibs-021 MSA	Tibs-031 MSA	Tibs-041 MSA
		H 4.0	Tibs-014 MSA	Tibs-024 MSA	Tibs-034 MSA	Tibs-044 MSA
		H 6.0	Tibs-016 MSA	Tibs-026 MSA	Tibs-036 MSA	Tibs-046 MSA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.0 	Nonhex	H 4.0 open	Tibs-011 MNSA	Tibs-021 MNSA	Tibs-031 MNSA	Tibs-041 MNSA
		H 4.0	Tibs-014 MNSA	Tibs-024 MNSA	Tibs-034 MNSA	Tibs-044 MNSA
		H 6.0	Tibs-016 MNSA	Tibs-026 MNSA	Tibs-036 MNSA	Tibs-046 MNSA
Screw	Abutment Screw M 1.6 (AAHS 1687 Gold)					
D Ø4.0 	HEX	H 4.0 open	OTibs-011 MS	OTibs-021 MS	OTibs-031 MS	OTibs-041 MS
	Nonhex	H 4.0 open	OTibs-011 MNS	OTibs-021 MNS	OTibs-031 MNS	OTibs-041 MNS
	Screw	Abutment Screw M 1.6 (OAAHS 1612 Ebony)				
D Ø4.5 	HEX	H 4.0 open	Tibs-012 SA	Tibs-022 SA	Tibs-032 SA	Tibs-042 SA
		H 4.0	Tibs-014 SA	Tibs-024 SA	Tibs-034 SA	Tibs-044 SA
		H 6.0	Tibs-016 SA	Tibs-026 SA	Tibs-036 SA	Tibs-046 SA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					
D Ø4.5 	Nonhex	H 4.0 open	Tibs-012 NSA	Tibs-022 NSA	Tibs-032 NSA	Tibs-042 NSA
		H 4.0	Tibs-014 NSA	Tibs-024 NSA	Tibs-034 NSA	Tibs-044 NSA
		H 6.0	Tibs-016 NSA	Tibs-026 NSA	Tibs-036 NSA	Tibs-046 NSA
Screw	Abutment Screw M 2.0 (AAHS 2083 Ebony)					

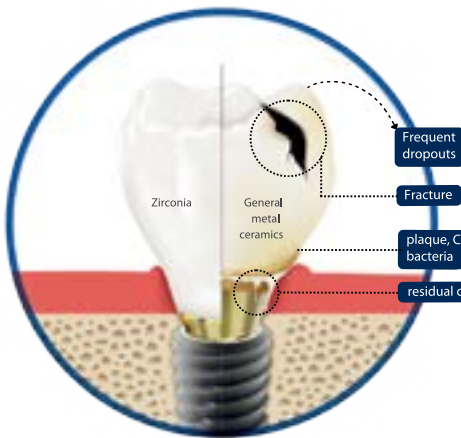
HERI System

HERI System

- Reduce food sticking
- Reduce the risk of dropping out
- Reduce the risk of fracture
- Reduce peri-implantitis

Implant prostheses made with the HERI System are connected with screws rather than cement, so they will not suddenly fall off.

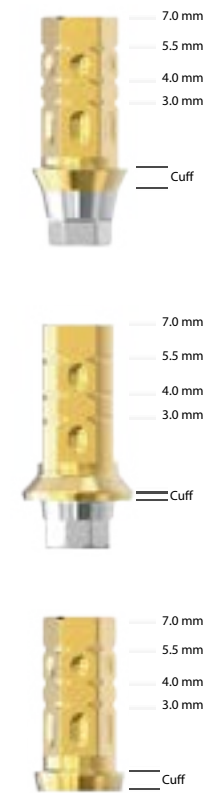
Additionally, even if a problem arises, disassembly and modification of the implant prosthesis is quick and easy in the clinic.



CEMENT Type

- Frequent food ingestion
- Possibility of accidental dropout
- High risk of fracture
- Peri-implantitis is common

Cemented implant prosthesis with peri-implantitis, fracture, detachment, and food entrapment



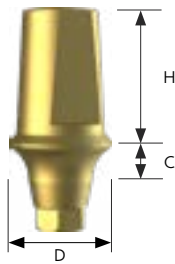
Implant System	Height	Cuff	Product Code
Biotem AR Narrow	7.0 mm	1.3 mm	HR-ASR_H/N
Biotem AR Regular	7.0 mm	1.3 mm	HR-SURO1370_H/N
	7.0 mm	2.5 mm	HR-SURO2570_H/N
	5.5 mm	1.3 mm	HR-SURO1355_H/N
	5.5 mm	2.5 mm	HR-SURO2255_H/N
Biotem AR Narrow O-type	7.0 mm	1.3 mm	HR-SUM13_H/N
	7.0 mm	2.5 mm	HR-SUM25_H/N

Implant System	Height	Cuff	Product Code
Biotem IR Regular	7.0 mm	0.3 mm	HR-ISR_O/N
Biotem IR Wide	7.0 mm	0.3 mm	HR-ISW_O/N

Implant System	Height	Cuff	Product Code
Biotem BR Narrow	7.0 mm	0.7 mm	HR-EXM_H/N
Biotem BR Regular	5.5 mm	0.7 mm	HR-EXR55_H/N
	7.0 mm	0.7 mm	HR-EXR70_H/N
Biotem BR Wide	7.0 mm	0.7 mm	HR-EXW_H/N

Ready Made Abutment (Intra-Oral & Lab)

- Can be used for dual purposes as scanbody and prosthetic abutment
- Digital work can be performed using existing libraries
- Recommended torque : Narrow - 20Ncm
Regular - 30Ncm



D/C		1	2	3	4	5	6
D Ø4.5 N	H 4.0	SAAT 30514 MSA	SAAT 30524 MSA	SAAT 30534 MSA	SAAT 30544 MSA		
	H 5.5	SAAT 30515 MSA	SAAT 30525 MSA	SAAT 30535 MSA	SAAT 30545 MSA		
	H 7.0	SAAT 30517 MSA	SAAT 30527 MSA	SAAT 30537 MSA	SAAT 30547 MSA		
D Ø4.5 R	H 4.0	SAAT 45514 SA	SAAT 45524 SA	SAAT 45534 SA	SAAT 45544 SA		
	H 5.5	SAAT 45515 SA	SAAT 45525 SA	SAAT 45535 SA	SAAT 45545 SA	SAAT 45555 SA	SAAT 45565 SA
	H 7.0	SAAT 45517 SA	SAAT 45527 SA	SAAT 45537 SA	SAAT 45547 SA	SAAT 45557 SA	SAAT 45567 SA
D Ø5.5 R	H 4.0	SAAT 55614 SA	SAAT 55624 SA	SAAT 55634 SA	SAAT 55644 SA		
	H 5.5	SAAT 55615 SA	SAAT 55625 SA	SAAT 30535 MSA	SAAT 55645 SA	SAAT 55655 SA	SAAT 55665 SA
	H 7.0	SAAT 55617 SA	SAAT 55627 SA	SAAT 55637 SA	SAAT 55647 SA	SAAT 55657 SA	SAAT 55667 SA
D Ø6.5 R	H 4.0	SAAT 65714 SA	SAAT 65724 SA	SAAT 65734 SA	SAAT 65744 SA		
	H 5.5	SAAT 65715 SA	SAAT 65725 SA	SAAT 65735 SA	SAAT 65745 SA	SAAT 65755 SA	SAAT 65765 SA
	H 7.0	SAAT 65717 SA	SAAT 65727 SA	SAAT 65737 SA	SAAT 65747 SA	SAAT 65757 SA	SAAT 65767 SA

3D LAB Analog

- Two pieces for accurate attachment to the model
- 1 line of groove means narrow connection
- 2 lines of groove means regular connection
- Double structure for anti-rotation
- Fasten with 1.2 hex driver for lower part screw
- Using exclusive screw for lower part (DLAS4003)



Connection	Code
N	DLAAF 3415 S
O	DLAAF 3415 OS
R	DLAAF 4015 S

Multi Abutment (library)

- For screw retained full arch implant restoration, especially for All-on-four/six cases
- Multi Scan-Body (AMSB 48) to be used as scanbody on multi abutment
- This item is only used in the cad program.



D/C	1
D Ø4.8 N R	DBTS MUA

Multi Scan-Body

- Scan-body for multi unit
- Can be used for healing cap of multi abutment
- Special coating allows accurate scanning without any scan spray
- Non-hex structure for purpose of multi unit
- Fasten with 1.2 hex driver



D/C	1
D Ø4.8 N R	AMSB 48

Digital Multi Lab Analog

- Two pieces for accurate attachment to the model
- Double structure for anti-rotation
- Fasten with 1.2 hex driver for lower part screw
- Using exclusive screw for lower part (DLAS4003)



Connection	Code
N R	DMLA 48 S

Multi Ti-base

- Abutment level impression with multi scanbody (AMSB48)
- Only non-hex type for bridge
- Fasten with 1.2 hex driver for upper part screw
- Recommend 20Ncm of torque
- Using exclusive screw (AMCS14)



Connection	Code
N R	MTB 4805 S



SURGICAL KIT



SBB-O	100
SBB-S	100
SBB-Clinical Case 1	101
SBB-Clinical Case 2	101
Surgical Kit	102
Convenient Kit	108
Convenient Kit Drilling Sequence	108
SantaSurgical Kit	111
Santa Surgical Kit Drilling Sequence	111
Drill Stopper	112
MR Kit	114
Surgical Guide Kit	117
Bonepen Kit AIR	122
How to use the Pen	123
Fixture remover system	124
Screw remover system	125
Fixture remover Kit	126
SCREW REMOVER KIT	127
C&L SINUS KIT	128

SBB

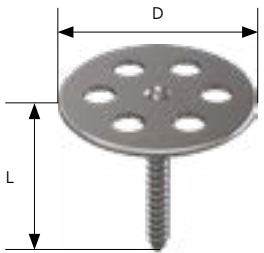
Sohn's Bone Builder

Main Features

- Applied to severe bone defect or resorption cases before or simultaneously with implantation
- Excellent tenting effect in GBR cases of broader areas
- Outstanding bone augmentation not only vertically but laterally
- Fast recovery due to halls for smooth blood supply
- Simpler and less invasive compared to existing GBR techniques

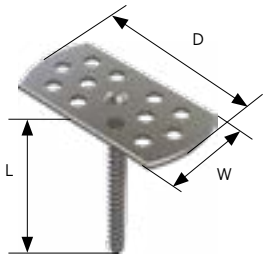
SBB-O

Connection	L/D	Ø6	Ø9	Ø12
Circle	8mm	SBB 0608 CH	SBB 0908 CH	SBB 1208 CH
	9mm	SBB 0609 CH	SBB 0909 CH	SBB 1209 CH
	10mm	SBB 0610 CH	SBB 0910 CH	SBB 1210 CH
	12mm	SBB 0612 CH	SBB 0912 CH	SBB 1212 CH
	15mm	SBB 0615 CH	SBB 0915 CH	SBB 1215 CH



SBB-S

Connection	L/D,W	D10,W5	D12,W6	D14,W7
Shield	8mm	SBB 1008 SH	SBB 1208 SH	SBB 1408 SH
	9mm	SBB 1009 SH	SBB 1209 SH	SBB 1409 SH
	10mm	SBB 1010 SH	SBB 1210 SH	SBB 1410 SH
	12mm	SBB 1012 SH	SBB 1212 SH	SBB 1412 SH
	15mm	SBB 1015 SH	SBB 1215 SH	SBB 1415 SH

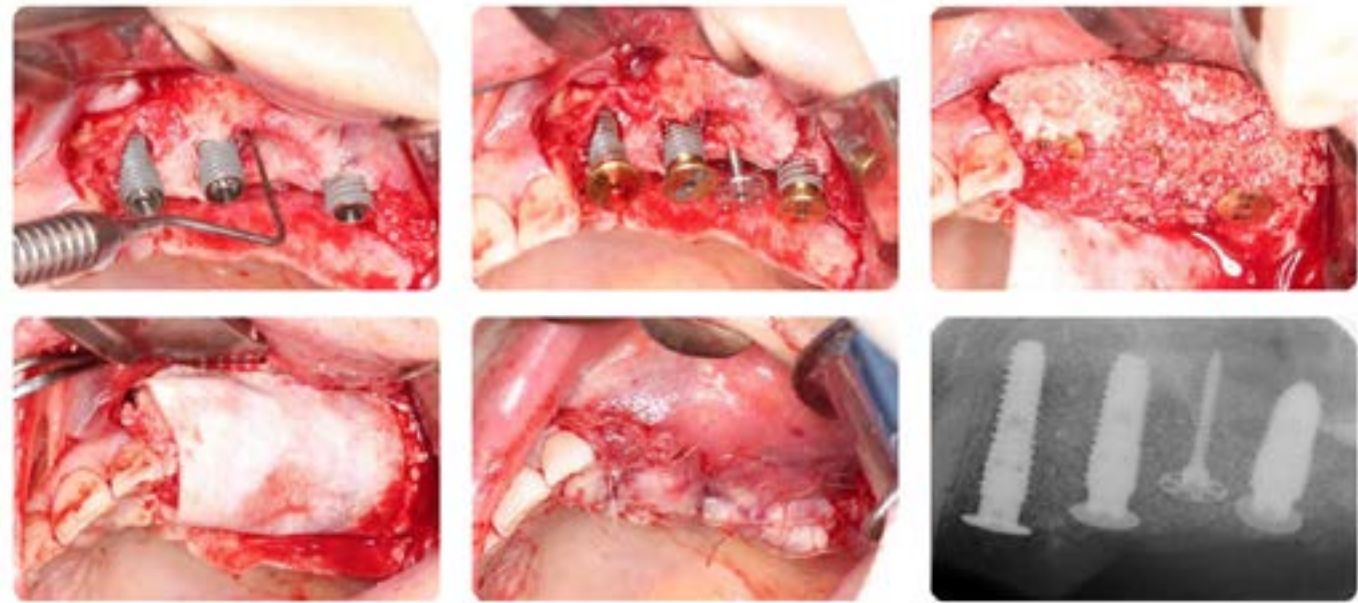


Drill & Driver	Code
Point Drill Ø1.0	DGD 1000
Straight Drill Ø1.0	BPDD 1010
Machine Driver Ø1.2	HDM 12 S
Ratchet Driver Short Ø1.2	MHD 1200 S
Hand Driver Short Ø1.2	HDT 1209

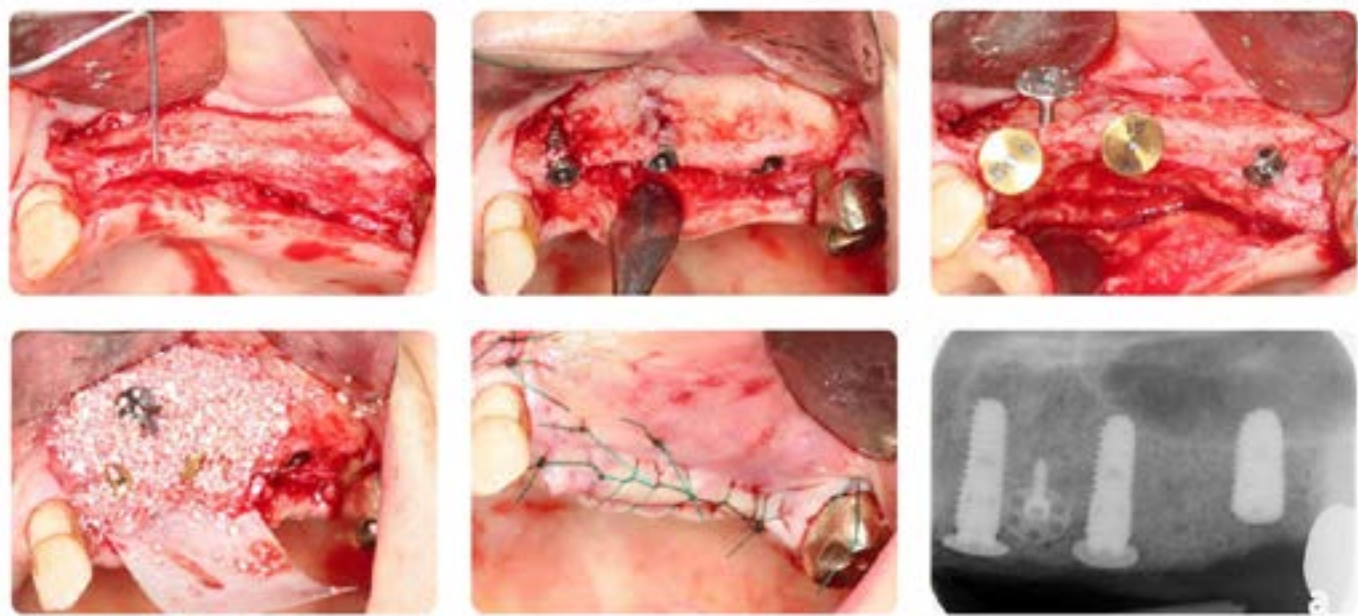
SBB

Sohn's Bone Builder

SBB-Clinical Case 1



SBB-Clinical Case 2



Surgical Kit

• Biotem surgical kit set with excellent drilling function and convenient surgical procedure.

Product Code
BHS



Lower panel component
Torque Wrench TRA45



Point Drill

Product Code	MGD 2000
--------------	----------



Lindermann Drill

Product Code
LMD 20



Step Drill

Ø 2.0

L	7.5	8.5	10	11.5	13
Product Code	BPD 2207	BPD 2208	BPD 2210	BPD 2211	BPD 2213



Ø 2.8

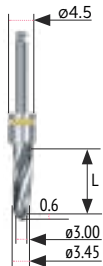
L	7.5	8.5	10	11.5	13
Product Code	BPD 2807	BPD 2808	BPD 2810	BPD 2811	BPD 2813



Tapered Drill

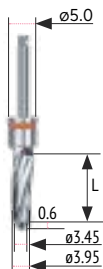
F 3.5

L	7.5	8.5	10	11.5	13
Product Code	BPD 3507	BPD 3508	BPD 3510	BPD 3511	BPD 3513



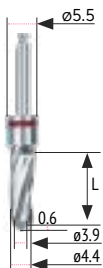
F 4.0

L	7.5	8.5	10	11.5	13
Product Code	BPD 4007	BPD 4008	BPD 4010	BPD 4011	BPD 4013



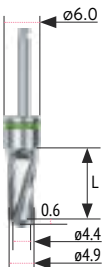
F 4.5

L	7.5	8.5	10	11.5	13
Product Code	BPD 4507	BPD 4508	BPD 4510	BPD 4511	BPD 4513



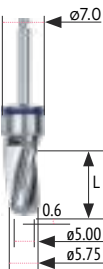
F 5.0

L	7.5	8.5	10	11.5	13
Product Code	BPD 5007	BPD 5008	BPD 5010	BPD 5011	BPD 5013



F 6.0

L	8.5	10	11.5
Product Code	BPD 6008	BPD 6010	BPD 6011



Hex Driver For Hand (Manual)

Diameter	Product Code	Type
0.9mm (BR)	HDT 0909	Short
	HDT 0915	Long
1.2mm	HDT 1209	Short
	HDT 1215	Long



Prosthetic type

Diameter	Product Code	Type
0.9 mm (BR)	HDB 0915	Long
1.2 mm	MHD 1200 S	Short
	MHD 1200 L	Long



Parallel Pin

Product Code
BPP2230



Fixture Pin

Diameter	Product Code
N Ø 2.1	BFFP 3500
R Ø 2.5	BFFP 4500



Drill Extension

Product Code
DE



AR Fixture Driver (Machine)

Diameter	Product Code	Type
N	BFMD 3521 S	Short
	BFMD 3521 L	Long
R W	BFMD 4525 S	Short
	BFMD 4525 L	Long



AR Fixture Driver (Wrench)

Diameter	Product Code	Type
N	BFHD 3521 S	Short
	BFHD 3521 L	Long
R W	BFHD 4525 S	Short
	BFHD 4525 L	Long



IR Fixture Driver (Machine)

Diameter	Product Code	Type
N	BFMD 4531 S	Short
	BFMD 4531 L	Long
R W	BFMD 4529 S	Short
	BFMD 4529 L	Long



IR Fixture Driver (Wrench)

Diameter	Product Code	Type
N	BFHD 4531 S	Short
	BFHD 4531 L	Long
R W	BFHD 4529 S	Short
	BFHD 4529 L	Long



BR Fixture Driver (Machine)

Diameter	Product Code	Type
N	FDBM 3512 C	Long
R	FDBM 4108 C	Short
	FDBM 4112 C	Long
W	FDBM 5008	Short



BR Fixture Driver (Wrench)

Diameter	Product Code	Type
N	FDBH 3515	Long
R	FDBH 4115	Long
W	FDBH 5012	Long



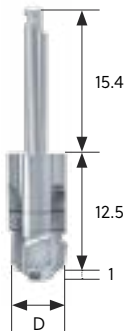
IR Type Drill

L/D	Ø 4.8	Ø 5.5
Product Code	BPD 4813	BPD 5513



Cortical Drill

D	Ø 4.0	Ø 4.5	Ø 5.0	Ø 6.0
Product Code	CDA 4011 T	CDA 4511 T	CDA 5011 T	CDA 6011 T



Bone Profiler

D	Ø 4.8
Product Code	BPAR 48

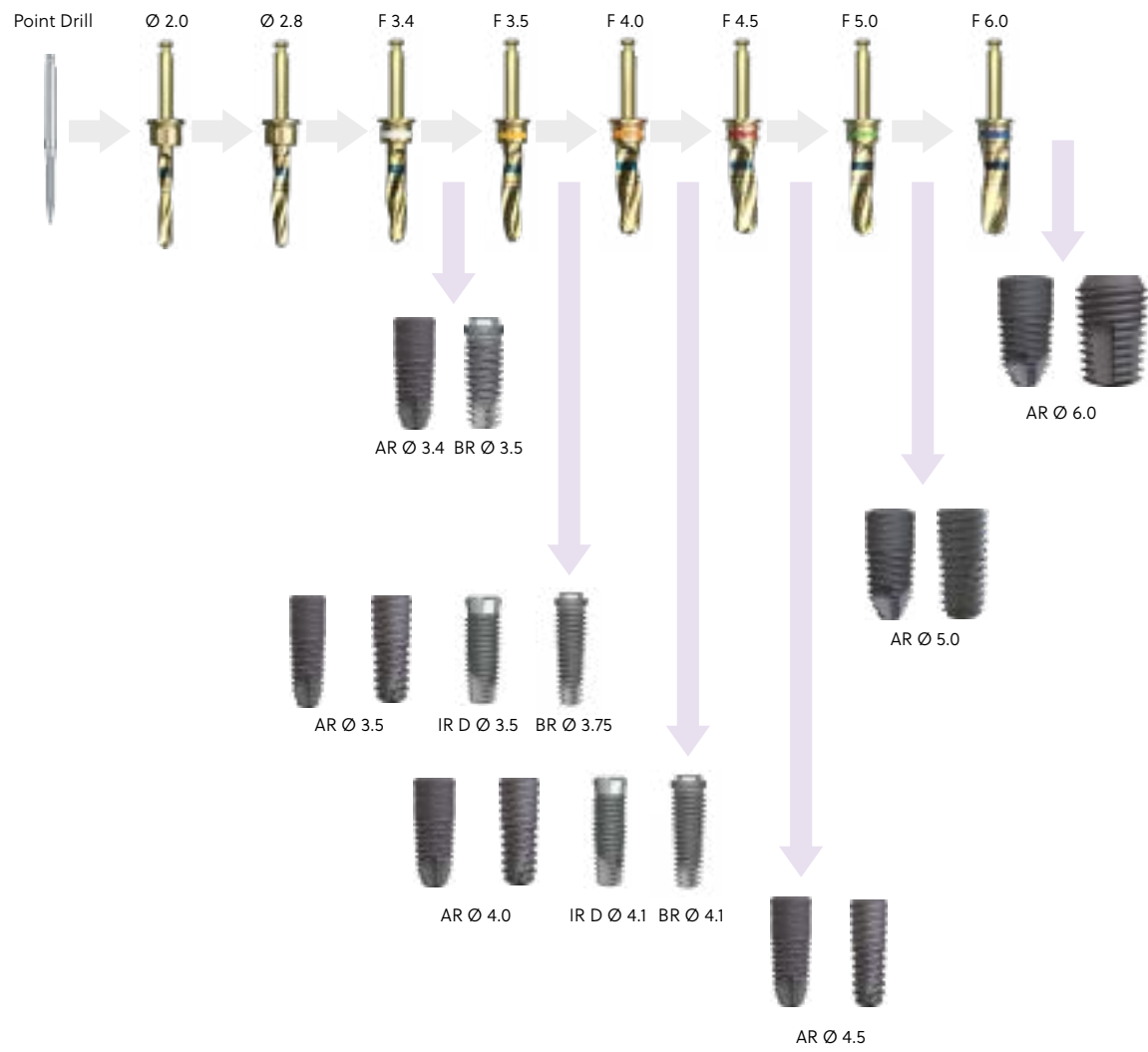


Convenient Kit

- Biotem surgical kit set with excellent drilling function and convenient surgical procedure.



Convenient Kit Drilling Sequence

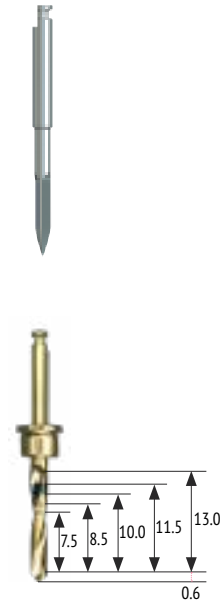


Point Drill

Product Code	MGD 2000
--------------	----------

Straight Twist Drill

D/L	15
Ø 2.2	BPSD 2215
Ø 2.3 / 2.8	BPSD 2815



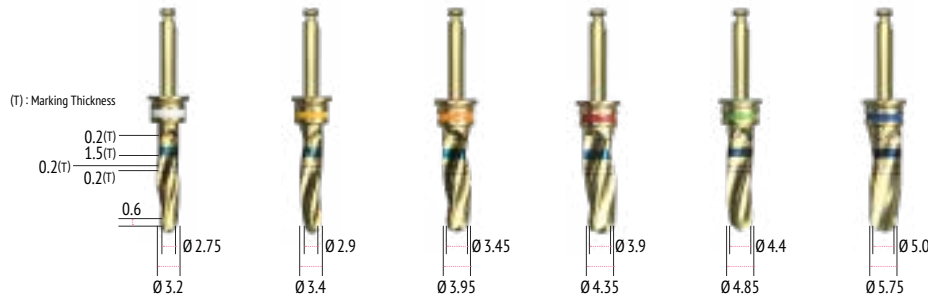
Drill Stopper

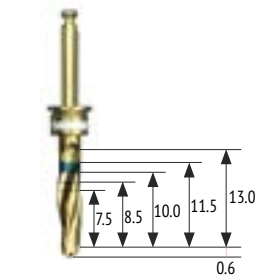
D	7.5	8.5	10	11.5	13
N R	BDS 5207	BDS 5208	BDS 5210	BDS 5211	BDS 5213
W	BDS 6507	BDS 6508	BDS 6510	BDS 6511	BDS 6513



Stopper Drill

D	F 3.4	F 3.5	F 4.0	F 4.5	F 5.0	F 6.0
Product Code	BPSD 3215	BPSD 3515	BPSD 4015	BPSD 4515	BPSD 5015	BPSD 6015





Hex Driver For Hand (Manual)

Diameter	Product Code	Length
1.2mm	HDT 1209	Short
	HDT 1215	Long

Parallel Pin

Product Code
BPP 2230

Fixture Pin

D	Ø 2.1	Ø 2.5
Product Code	BFFP 3500	BFFP 4500

Drill Extension

Product Code
DE

Fixture Driver (Machine)

Diameter	Product Code	Length
N	BFMD 3521 S	Short
	BFMD 3521 L	Long
R W	BFMD 4525 S	Short
	BFMD 4525 L	Long

Fixture Driver (Wrench)

Diameter	Product Code	Length
N	BFHD 3521 S	Short
	BFHD 3521 L	Long
R W	BFHD 4525 S	Short
	BFHD 4525 L	Long



SantaSurgical Kit

- Used when the vertical bone height is insufficient or short
- Kit for accurate and safe drilling in short lengths

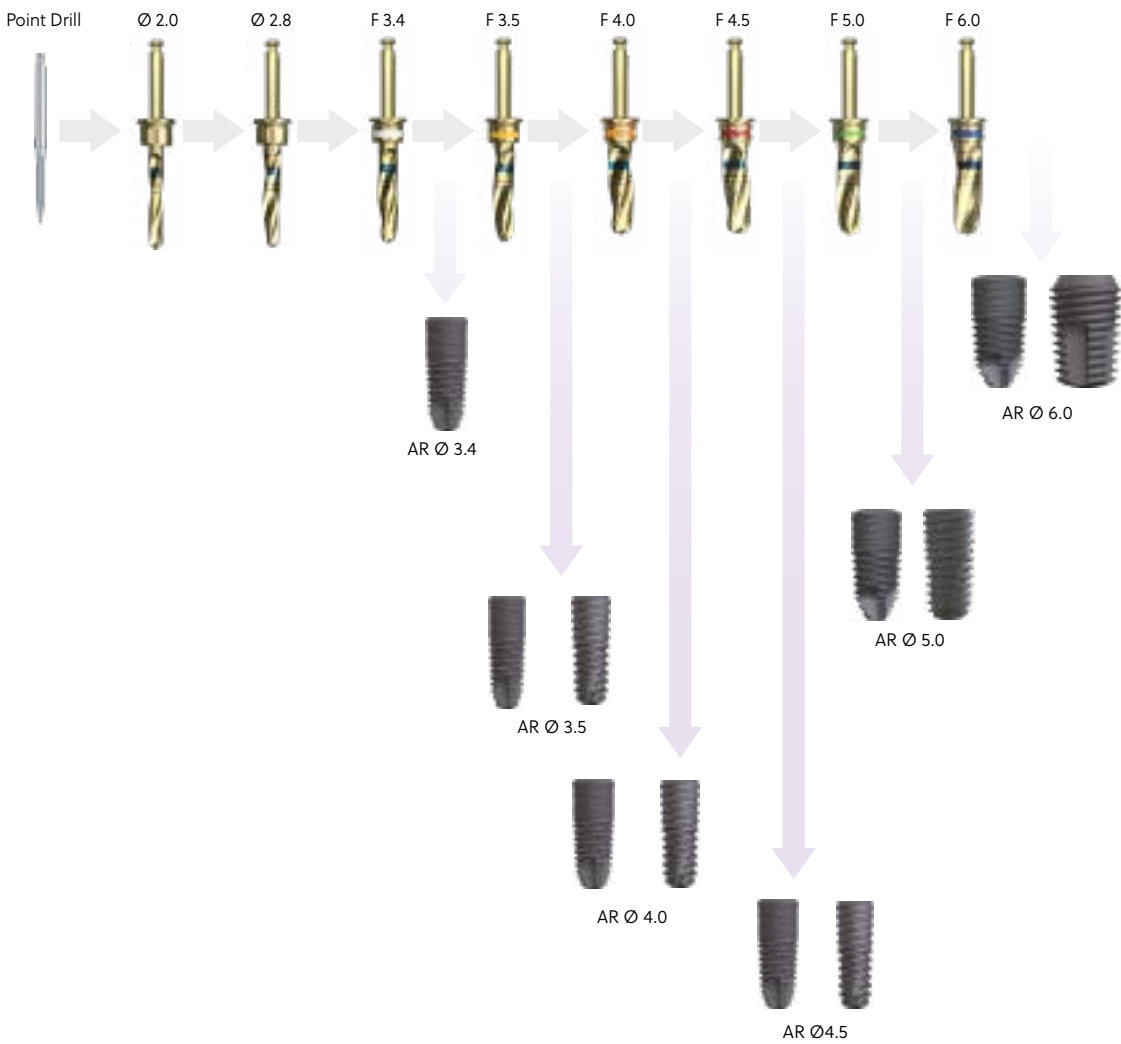
Product Code
SSK



Lower panel component

Torque Wrench
TRA45

Santa Surgical Kit Drilling Sequence



Point Drill

Product Code	MGD 2000
--------------	----------

Straight Twist Drill

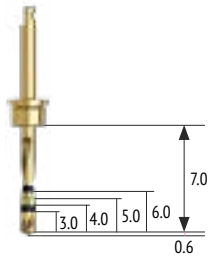
D/L	15
Ø 2.2	BPSD 2215
Ø 2.3 / 2.8	BPSD 2815

Drill Stopper

D	3.0	4.0	5.0	6.0	7.0
Ø 5.0	BDSS 5003	BDSS 5004	BDSS 5005	BDSS 5006	BDSS 5007
Ø 6.5	BDSS 6503	BDSS 6504	BDSS 6505	BDSS 6506	BDSS 6507

Stopper Drill

D	F 3.4	F 3.5	F 4.0	F 4.5	F 5.0	F 6.0
Product Code	BPSD 3215-S	BPSD 3515-S	BPSD 4015-S	BPSD 4515-S	BPSD 5015-S	BPSD 6015-S
						



Hex Driver For Hand (Manual)

Diameter	Product Code	Length
1.2mm	HDT 1209	Short
	HDT 1215	Long



Parallel Pin

Product Code
BPP 2230



Fixture Pin

D	Ø 2.1	Ø 2.5
Product Code	BFFP 3500	BFFP 4500



Drill Extension

Product Code
DE



Fixture Driver (Machine)

Diameter	Product Code	Length
N	BFMD 3521 S	Short
	BFMD 3521 L	Long
R W	BFMD 4525 S	Short
	BFMD 4525 L	Long



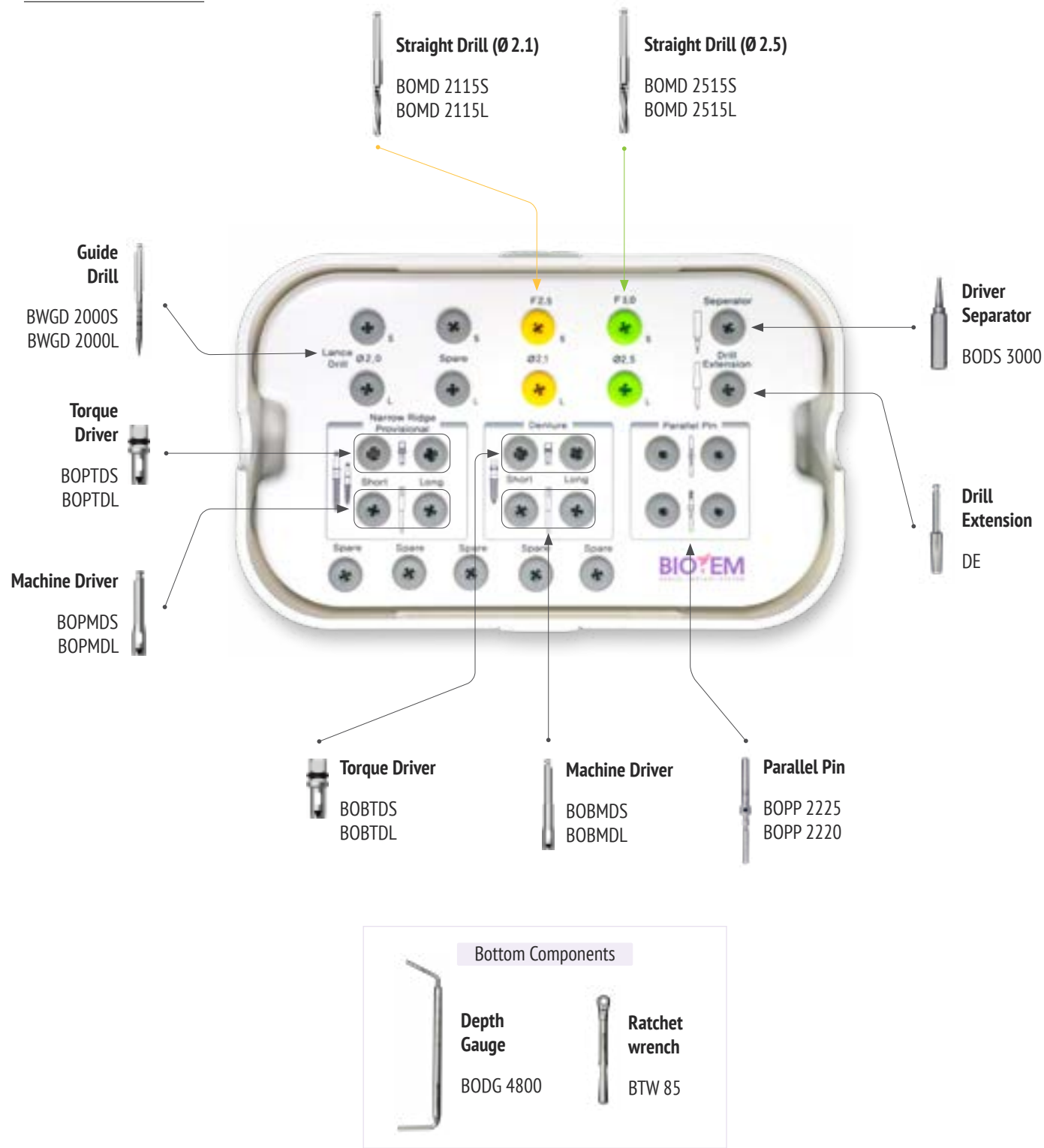
Fixture Driver (Wrench)

Diameter	Product Code	Length
N	BFHD 3521 S	Short
	BFHD 3521 L	Long
R W	BFHD 4525 S	Short
	BFHD 4525 L	Long



MR Kit

Product Code
BOK



Drill for MR Implant

- High visibility during surgery with laser markings at 8, 10, 11.5, 13, and 15, measurements correspond to the length of MR implants.
- The Lance Drill is for cortical bone only; however, it is possible to drilling up to marker depending upon the surgical situation.

Guide drill		
D	L	Code
Ø 2.0	Short	BWGD 2000 S
Ø 2.0	Long	BWGD 2000 L

Straight Drill		
D	L	Code
Ø 2.1	Short	BOMD 2115 S
Ø 2.1	Long	BOMD 2115 L
Ø 2.5	Short	BOMD 2515 S
Ø 2.5	Long	BOMD 2515 L

Parallel Pin

- Parallel pin for MR implant
- Use to check the path after drilling

Code	BOPP 2225	BOPP 2220
------	-----------	-----------

Driver for Narrow Ridge & Provisional Type

- Driver for the MR implant narrow ridge and provisional type
- Connect by matching up the triangle marker with the cross section of the implant (as shown)

Torque driver		
D	L	Code
Ø 3.8	Short	BOPTDS
Ø 3.8	Long	BOPTDL

Machine driver		
D	L	Code
Ø 3.8	Short	BOPMDS
Ø 3.8	Long	BOPMDL

Driver for Denture Type

- Driver for MR implant denture
- Connect by matching up the triangle marker with the cross section of the implant (as shown)

O-ring Abutment Torque driver

D	L	Code
Ø 3.8	Short	BOBTDS
Ø 3.8	Long	BOBTDL

O-ring Abutment Machine driver

D	L	Code
Ø 3.8	Short	BOBMDS
Ø 3.8	Long	BOBMDS

Gauge for MR Implant

- Depth gauge
 - Left side: Measures drilling depth
 - Right side: Used to modify the MR Implant Provisional neck angle
- Never modify the MR narrow ridge neck
- Parallel pin is used to check the path after drilling

Code	
Depth gauge	BODG 4800
Ratchet wrench	BTW 85

Driver Separator

- Use when the driver is wedged with the implant. Insert the driver separator into the opening on the driver, and lever the driver off the implant.

Code
BODS 3000



Ratchet wrench



Surgical Guide Kit

Product Code
GSK



SURGICAL GUIDE KIT COMPONENT

Guide Point Drill

Product Code	BGD 2205	BGDB 5205
Marking	Ø 2.2	Ø 5.2



Tissue Punch Drill

Product Code	BTPD 4500
Marking	Ø 4.5



Guide Anchor Screw

Product Code	BGAS 1809
--------------	-----------



Guide Cortical Drill

Product Code	BGCD 4000	BGCD 4500	BGCD 5000
Marking	Ø 4.0 (orange)	Ø 4.5 (red)	Ø 5.0 (green)



Guide Vertical Anchor

Product Code	BGVA 4500	BGVA 4501	BGVA 4503
Marking	0 mm	1.5 mm	3 mm



Guide Anchor Drill

Product Code	BGAD 1309
Marking	Ø 1.35



Guide Anchor Driver

Type	Machine	Wrench
Product Code	BGAMD 21	BGATD 21



Guide Drill Tube

Product Code	BGDT 2200
Marking	Ø 2.2



Guide Bone Profiler Drill

Product Code	BGBF 5035	BGBF 5050
Marking	Ø 3.5	Ø 5.0



Guide Fixture Driver (Machine)

Diameter	Product Code	Type
N	BGFMD 2100 S	Short
	BGFMD 2100 L	Long
R	BGFMD 2500 S	Short
	BGFMD 2500 L	Long



Guide Fixture Driver (Wrench)

Diameter	Product Code	Type
N	BGFTD 2100 S	Short
	BGFTD 2100 L	Long
R	BGFTD 2500 S	Short
	BGFTD 2500 L	Long



Hex Driver (Hex)

Diameter	Product Code	Length
1.2mm	HDT 1209	Short
	HDT 1215	Long



Torque Wrench

Product Code	TRA 45
--------------	--------



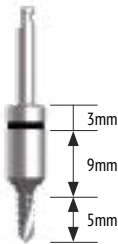
Drill Extension

Product Code	DE
--------------	----



Guide Path Drill

D	Ø 2.2	Ø 3.5	Ø 4.0	Ø 4.5	Ø 5.0
Product Code	BGPD 2205	BGPD 3505	BGPD 4005	BGPD 4505	BGPD 5005
					



Guide Straight Twist Drill

Ø 2.2						
L	5	7.5	8.5	10	11.5	13
Product Code	BGSTD 2205	BGSTD 2207	BGSTD 2208	BGSTD 2210	BGSTD 2211	BGSTD 2213



Guide Step Drill

Ø 2.2 / 2.8					
L	7.5	8.5	10	11.5	13
Product Code	BGSD 2807	BGSD 2808	BGSD 2810	BGSD 2811	BGSD 2813



Guide Sleeve Drill

Ø 3.5					
L	7.5	8.5	10	11.5	13
Product Code	BGSTD 3507	BGSTD 3508	BGSTD 3510	BGSTD 3511	BGSTD 3513



Ø 4.0					
L	7.5	8.5	10	11.5	13
Product Code	BGSTD 4007	BGSTD 4008	BGSTD 4010	BGSTD 4011	BGSTD 4013



Ø 4.5					
L	7.5	8.5	10	11.5	13
Product Code	BGSTD 4507	BGSTD 4508	BGSTD 4510	BGSTD 4511	BGSTD 4513



Ø 5.0					
L	7.5	8.5	10	11.5	13
Product Code	BGSTD 5007	BGSTD 5008	BGSTD 5010	BGSTD 5011	BGSTD 5013



Sleeves

Ø 5.3 (Inner Diameter)				
L	4.0	4.0	4.0	6.0
Product Code	BSR53	GS5304	BS5304	BS5306
				

- BSR53 - Normal sleeve with inner diameter of 5.3mm.
- GS5304 - Arrowhead-shaped cementless fixing sleeve, snap-fit fixing method.
- BS5304 - Arrowhead-shaped cementless sleeve, snap-fit fixation, minimizing gingival interference.
- BS5306 - Arrowhead-shaped cementless sleeve, snap-fit fixation, minimizing gingival interference.

Bonepen Kit AIR

Bone Pen Drill

Middle

Short

Ø2.0mm

Ø2.0mm

Bone Cup

6 7 8 9 10

Bone Pin

6 7 8 9 10

Middle

Short

Depth Max 7.3mm

Depth Max 4.3mm

Option

Lindemann Pen

GBR Pen

Bone Trimmer

Step 1

Step 2

Step 3

Clinical Case

Caution ※ Be careful not to separate the cup and drill from the product while in use. (Insert it until it clicks into place when assembling)

※ To prevent the patient from swallowing the product during the use of the product, put a medical thread (more than 30 cm in length) through the safety hole of the product outside the mouth and make a knot, ensuring that it does not become loose.

How to use the Pen

• Limited number of uses : 30 times

300~1,500RPM 20:1(Gear rate)
45~55N.cm Irrigation

Proper size =No interference

Two handed surgery

Bone collection
[Collected bone inside the cup]

Before use

• Use it after sterilization. (Autoclaving for 15min over 132℃)

Assembly

※ Insert it until it clicks into place when assembling

After use

• Disassemble cup and clean thoroughly



Product Code

SD-FSR

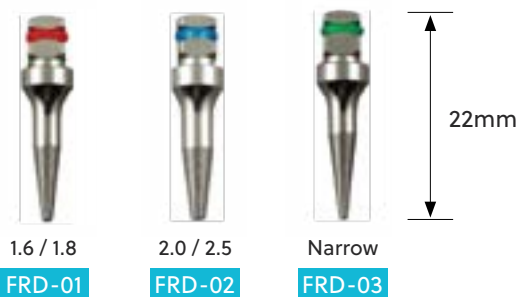
- Assorted kits of components needed to remove failed implant fixture and fractured screw in simple and safe way

Fixture remover system

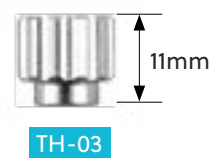
- For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety

Fixture remover screw

- Fixed in and remove implant tixture by turning counterclockwise
- In case that Fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise.
- Recommended RPM : 50 RPM or less



Turning handle (For fixture remover)



- Handles for manual use of Fixture remover screw.

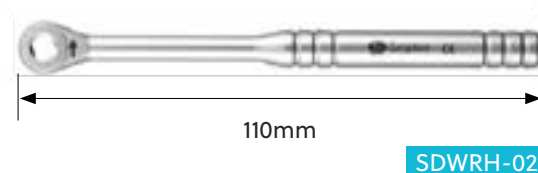
Handpiece condenser

- A connection tool used to fasten Fixture remover screw to an implant handpiece.



Wrench - Long

- Connected with wrench when the surgcal site is not accessible.



Ratchet extension

- Used with f ixture remover screw manually.



Screw remover system

- Possible to remove fractured screws in fixtures safely without slip by drill guide selected from the standard of the fixture connection and the screw broken in that.

Drill Guide

- Used with Guide holder 10 lix Orilling.

G-EM External Mini



G-ER External Regular



G-OI Octa Internal



G-HS Hex Submerged



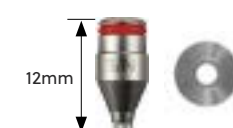
G-TSV TSV 3.7/4.1



G-TRI Tri-Lobe



G-SN Submerged Narrow



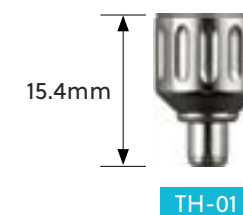
Guide holder

- In surgery, it is used to fix drill guide before and while drilling.



Turning handle (For screw remover)

- Used with drills for manual use.



Remover drill

- Used by turning counterclockwise in drill guide engaged with Guide holder.
- * Recommended RPM : 25 RPM or less.



Reverse drill

- Used to form a hole into the fractured surface of the screw by turning it counterclockwise in drill guide with enough irrigation. in case that a fractured abutment screw is not removed by Remover drill.
- Recommended for 1-time use.
- * Recommended RPM : 800 ~1200 RPM



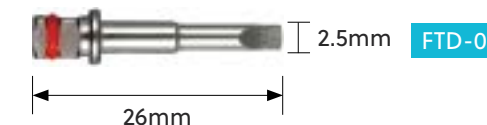
Tap drill

- Used after a hole formed by Reverse drill. Fixed it into the hole and remove the screw by turing it counterclockwise
- * Recommended RPM: Below 80



Flat tip driver

- Used to form a slot with a bur in case of fractured one-body implant or damage to the hex of upper structure
- * Tip Thickness : 0.8mm



Fixture remover Kit

For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety.

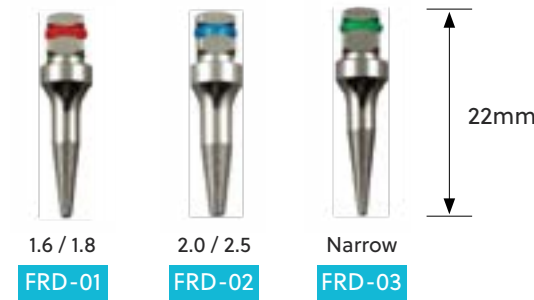
Product Code
SD-FR



Fixture remover screw

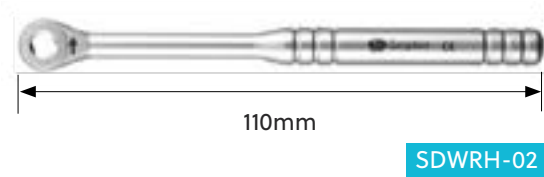
- fixed in and remove implant fixture by turning counterclockwise In case that fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise

* Recommended RPM: Below 80



Wrench - Long

- Used with Fixture remover screw manually.



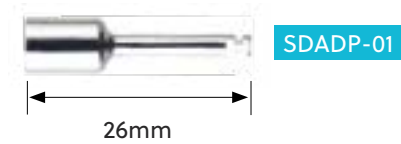
Turning handle
(For fixture remover)

- Handle tool with Fixture remover screw for manual use.



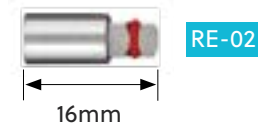
Handpiece condenser

- Used to connect Fixture remover screw with implant engine.



Ratchet extension

- Connected with wrench when the surgical site is not accessible.



Guide holder

- In surgery, it is used to fix Drill guide before and while drilling



SCREW REMOVER KIT

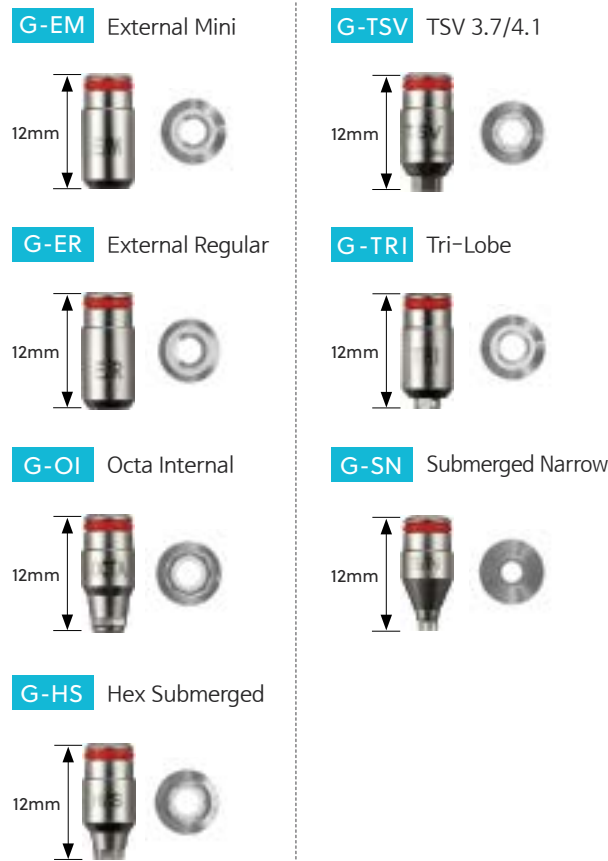
Possible to remove fractured screws in fixtures safely without slip by Drill guide selected from the standard of the fixture connection and the screw broken in that.

Product Code
SD-SR



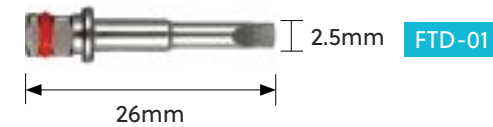
Drill Guide

- Used with Guide holder to fix Drilling.



Flat tip driver

- Used to form a slot with a bur in case of fractured one -body implant or damage to the hex of upper structure.



Remover drill

* Recommended RPM : 25 RPM or less

- Used by turing counterclockwise in drill guide engaged with Guide holder



Reverse drill

*Recommended RPM : 800~1200 RPM

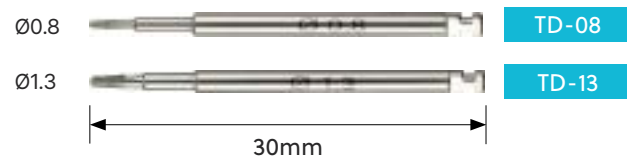
- Used by turing counterclockwise in drill guide engaged with Guide holder



Tap drill

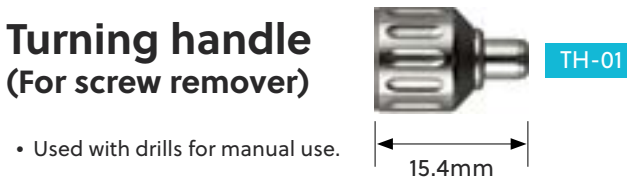
*Recommended RPM : Below 80 RPM

- Used after a hole formed by Reverse drill. Fixed into the hole and remove the screw by turning it counterclockwise.



Turning handle
(For screw remover)

- Used with drills for manual use.



C&L SINUS KIT

Possible of convenient operation with surgical tools needed for both Crestal approach and Lateral approach as Sinus lifting system.

Product Code
SD-CL

Crestal approach - Stopper

- It prevents excessive perforation of sinus membrane.



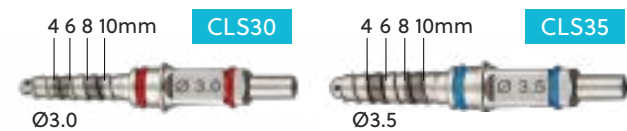
SD-Reamer *Recommended RPM : 800~1200 RPM

- Used for Perforation Sinus interior wall.
- Safe membrane lifting as round shape at drilling on bone.



Aqua lift system

- It makes a role of delivering saline discharged from it to sinus membrane.



Wrench

- Used to manually secure the aqua lift system.



Silicone Rubber Tube

* Length: 60cm



Guide drill

- It makes guide hole marking an accurate point before using reamer.



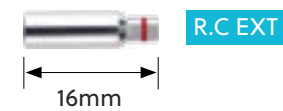
Handpiece condenser

- Used to connect Aqua Lift System using implant engine.
- * Recommended RPM : 30~40 RPM
- * Recommended N/cm : 20



Ratchet extension

- Used when Wrench's access is difficult due to teeth around the hole.



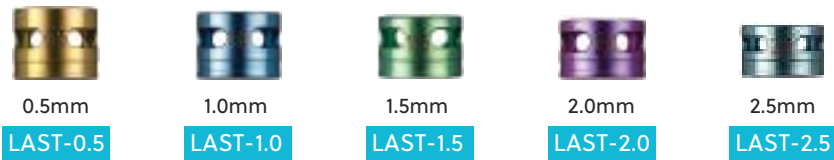
Bone packer

- It inserts and fills graft material.



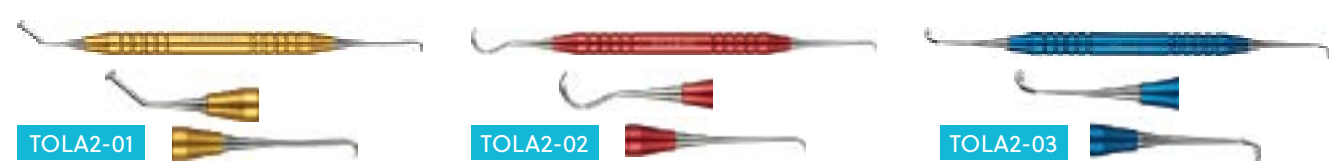
Lateral approach - Stopper

- Engaged with Lateral approach tools, the safety for damage on sinus membrane while drilling. (Depth controlling)



Sinus curette

- Used to sinus membrane.
- Recommended to use by its sequential order.



LASR : Lateral Approach Sinus Reamer

- Modified drill from SD-Reamer for use in Lateral approach.
- It can be used with stopper.



LACD : Lateral Approach Core Drill

- Drill for safe perforation of lateral wall.
- It can be used with stopper.



LASC : Lateral Approach Side Cutter

- Used to trim or expand formed sinus lateral window
- Coated diamond material on it helps to remove bone clearly minimizing heat.



BONE GRAFT MATERIAL



SANTA OSS	132
SANTA Oss Clinical Case	133
Inno Oss-Allo	134
InnoOss-Allo Clinical Case	135
Inno-Oss	136
Inno-Oss Clinical Case	137
MegaDerm Plus	138
MegaDerm Plus Clinical Case	139
BONEPLANT	140
BONEPLANT Clinical Case	141

SANTA OSS

Medical Device

Xeno Graft

Bovine Cancellous 100%

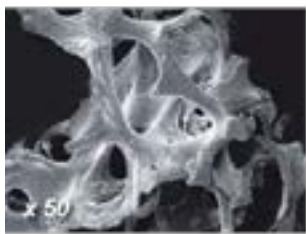
Vial Type

Expiry Date 5 Years From P-Day

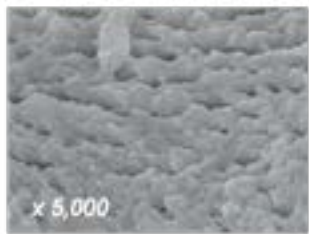
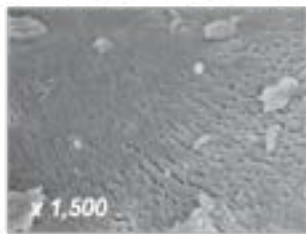
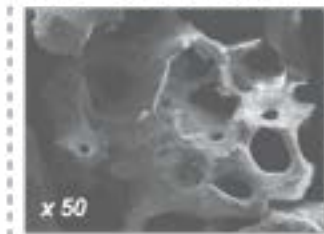
- 100% bovine cancellous bone used
- The structure most similar to the bones of the human body.



The micro and macro porous structure, similar to human bone, allows for rapid bone formation through smooth blood inflow.



Human Bone



SANTA OSS

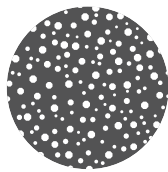
FEATURES

- With rapid and excellent hydrophilicity, manipulating bone grafts becomes convenient.
- Utilizing safe and reliable adult bovine cancellous bones.
- Bovine cancellous bones collected from an HACCP-certified facility enable traceability through their production history.
- Stably removing proteins using a precision furnace from Germany.
- Reasonable and economical pricing.
- Safe and convenient usage with the application of the “Easy Open Cap”.

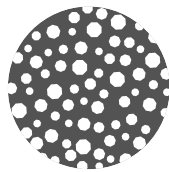


SPECIFICATION

Item No. (Model No.)	Particle Size	Weight	Insurance Code
G2015	0,25 ~ 1,0 mm	0,15 g	L7401030
G2025		0,25 g	L7401130
G2050		0,50 g	L7401230
G2100		1,00 g	L7401330
G5015	1,0 ~ 2,0 mm	0,15 g	L7401030
G5025		0,25 g	L7401130
G5050		0,50 g	L7401230
G5100		1,00 g	L7401330



0,25 ~ 1,0 mm



1,0 ~ 2,0 mm

Specification

INDICATION FOR USE

- Alveolar bone defect site
- Oral maxillofacial reconstruction
- Maxillary sinus bone graft
- Area of periapical cyst excision
- Excision site of periapical cyst



CLINICAL CASES

Case I

Fig.1 Pre-op radiography.

Fig.2 Implants placement.

Fig.3 Bone graft (SANTA OSS with allograft).

Fig.4 Post-op 4 months photo.

Fig.5 Post-op 4 months radiography.

Case II

Fig.1 Pre-op radiography.

Fig.2 Extraction and immediate implants placement.

Fig.3 Bone graft (SANTA OSS).

Fig.4 Post-op 3 months photo.

Fig.5 Post-op 3 months radiography.

Case III

Fig.1 Pre-op radiography.

Fig.2 Extraction and immediate implants placement.

Fig.3 Bone graft (SANTA OSS).

Fig.4 Post-op 4 months photo.

Fig.5 Post-op 4 months radiography.

Utilization

Detach vial from blister packaging.

Open the plastic cap by lifting and bending the specified section.

Rotate the plastic cap counter clockwise to detach the aluminum joint fully.

Displayed with the outer cap fully removed.

Open the vial by lifting the rubber cap upward.

Notice! Please exercise caution when opening, as there is a potential risk of injury from the aluminum cap when removing it.

InnoOss-Allo

Medical
Device

Allo
Graft

Freezed
Dried
Bone
Allograft

Syringe
Type

Expiry Date
3 Years
From P-Day

InnoOss-Allo is

a freeze-dried allogeneic bone graft material with an ideal 50:50 combination of **cortical bone** and **cancellous bone**.

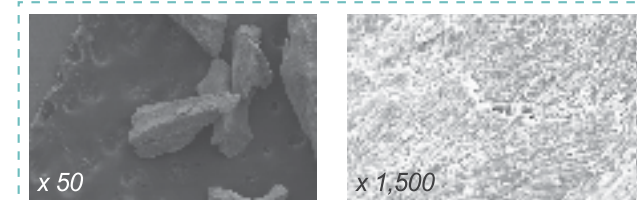
OsteoConduction by Cortical Bone

Cortical bone, which is slowly resorbed, maintains space in the graft site while new bone is formed.

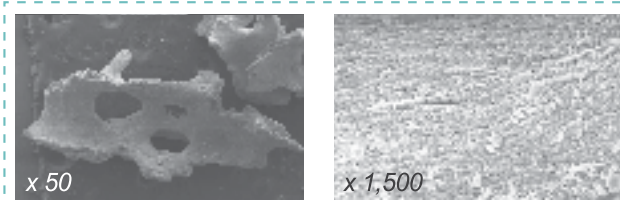
OsteoInduction by Cancellous Bone

Cancellous bone, which contains minerals and collagen, induces the attachment of osteoblasts and promotes the remodeling of blood vessels and bones.

Cortical



Cancellous

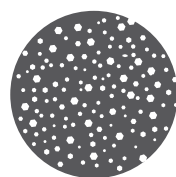


FEATURES

- Autogenous tissues are collected and processed according to strict medical standards including FDA, AATB, and KFSA standards.
- Processed as a single donor unit to prevent cross contamination.
- Easy to use syringe type.
- As a Class 4 medical device product, no need to write Tissue Graft Outcome Report.

SPECIFICATION

Item No.	Model No.	Particle Size	Weight
IA3	M0101	0.4 ~ 1.0 mm	0.3 g
IA6	M0102		0.6 g



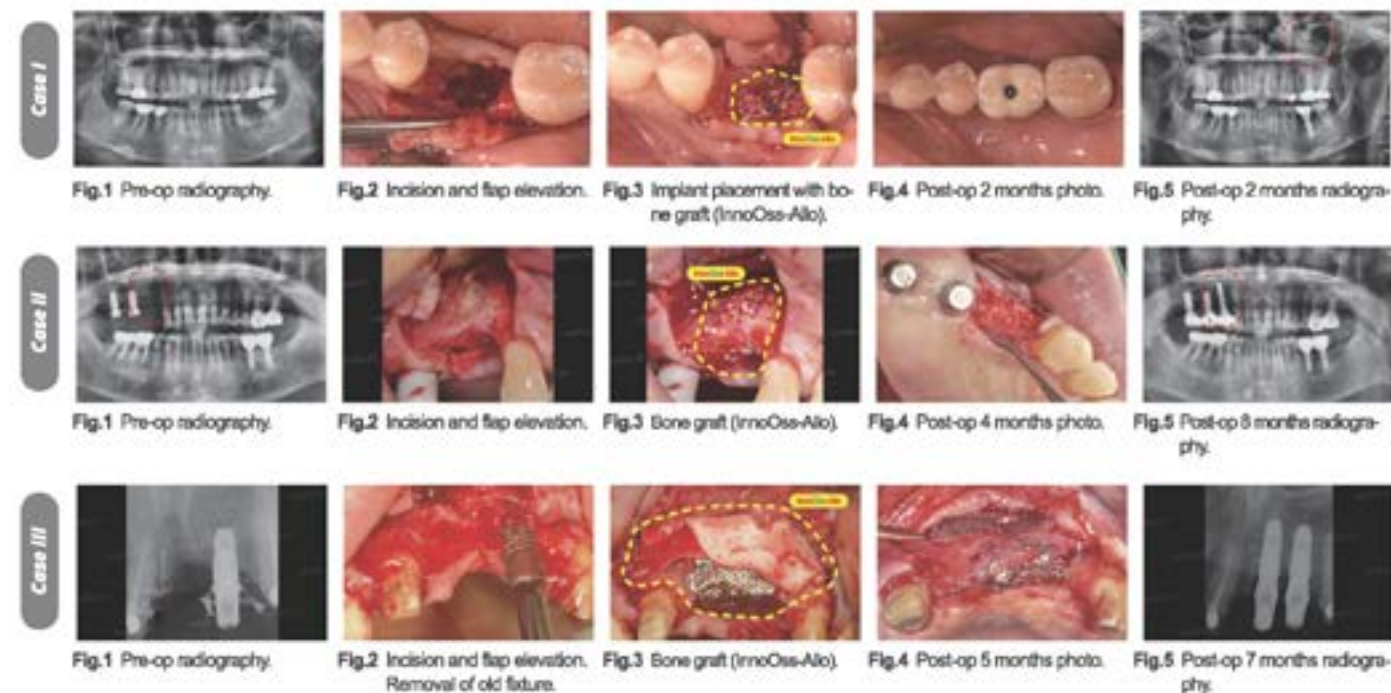
0.4 ~ 1.0 mm

INDICATION FOR USE

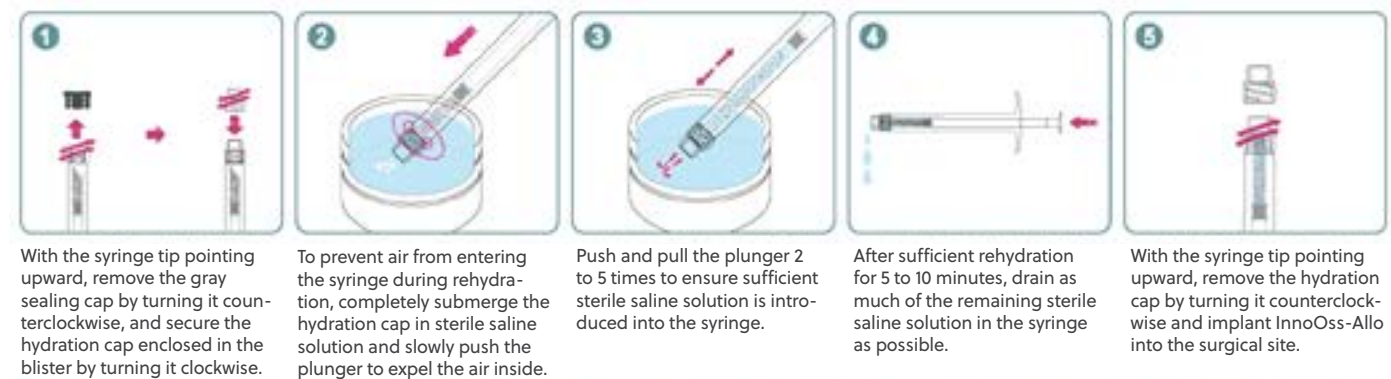
- Area of alveolar bone defect.
- Oral and maxillofacial reconstruction.
- Maxillary sinus bone grafting.
- Root cyst excision site.
- Implant placement site.



CLINICAL CASES



HOW TO USE



Notice!

The rubber packing inside the syringe is coated with a very small amount of medical oil for lubrication purposes. Medical silicone oil stabilizes over time, so the lubricating performance does not work immediately. Before use, gently push and pull the plunger back and forth little by little to restore the lubricating performance, and then use. If you pull the plunger right away, the rubber packing and the plunger may come off or be damaged.

Inno-Oss

Human Tissue

Allo Graft

Freezed Dried Bone Allograft

Syringe Type

Expiry Date 5 Years From P-Day

Inno-Oss is

a freeze-dried allogeneic bone graft material with an ideal 50:50 combination of **cortical bone** and **cancellous bone**.

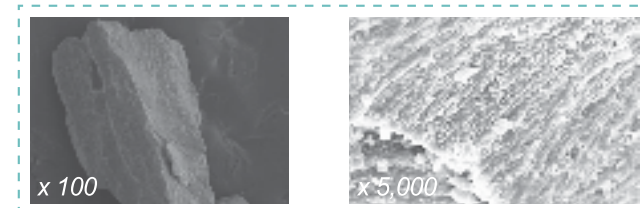
OsteoConduction by Cortical Bone

Cortical bone, which is slowly resorbed, maintains space in the graft site while new bone is formed.

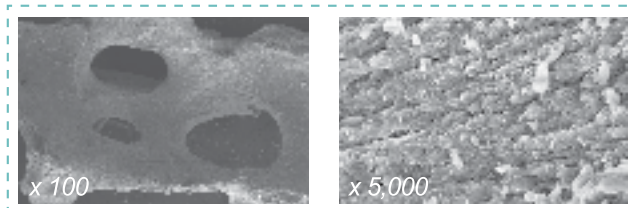
OsteoInduction by Cancellous Bone

Cancellous bone, which contains minerals and collagen, induces the attachment of osteoblasts and promotes the remodeling of blood vessels and bones.

Cortical



Cancellous

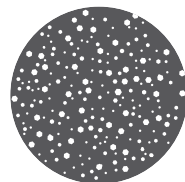


FEATURES

- Autogenous tissues are collected and processed according to strict medical standards including FDA, AATB, and KFSA standards.
- Processed as a single donor unit to prevent cross contamination.
- Easy to use syringe type.
- As a Class 4 medical device product, no need to write Tissue Graft Outcome Report.

SPECIFICATION

Item No.	Particle Size	Volume	Insurance Code
I3	0.3~0.8 mm	0.3 cc	TBB51068
I6	0.3~0.8 mm	0.6 cc	TBB55068



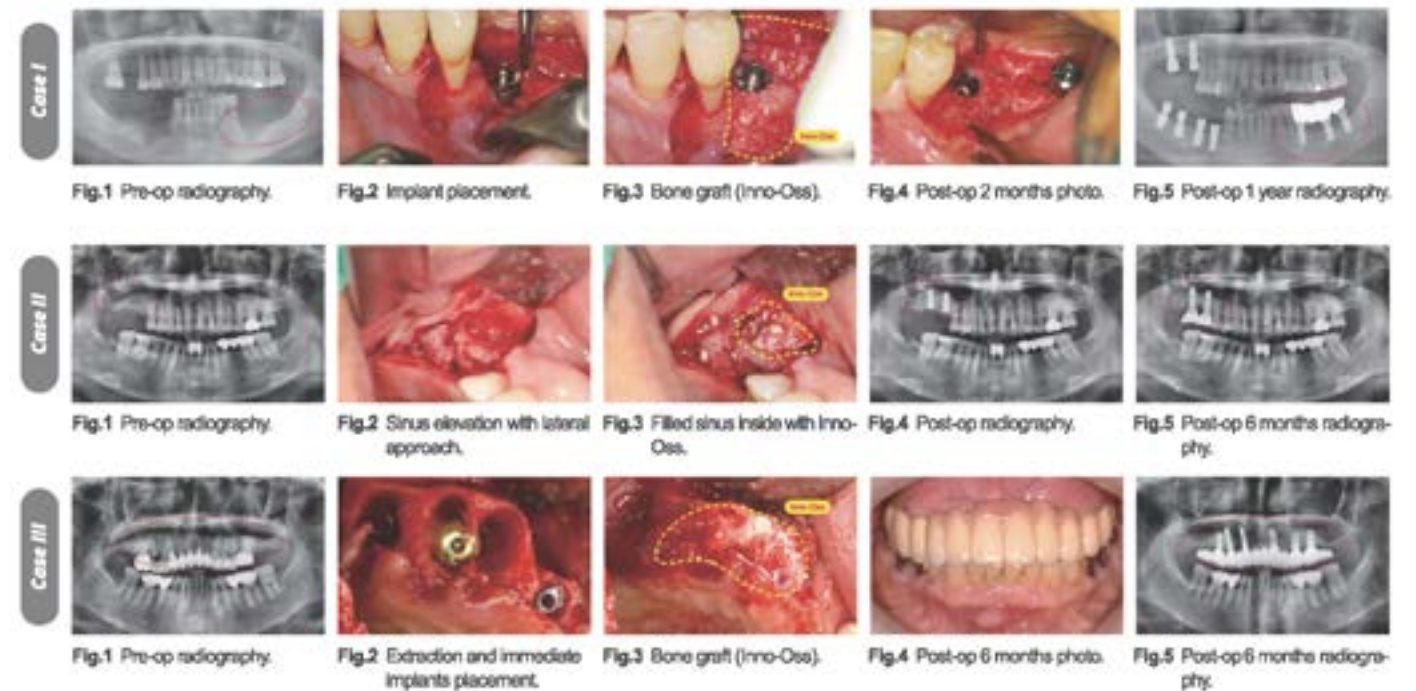
0.3 ~ 0.8 mm

INDICATION FOR USE

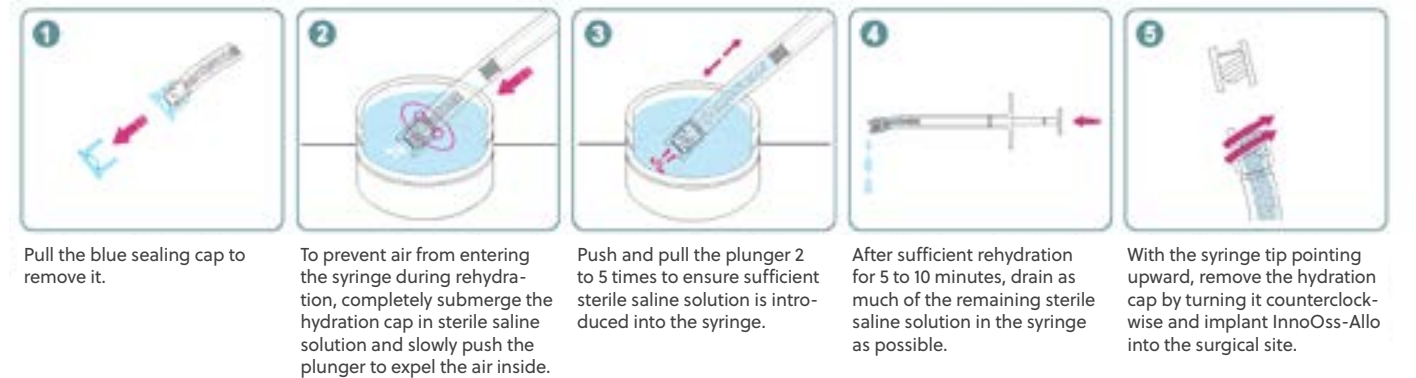
- Area of alveolar bone defect.
- Oral and maxillofacial reconstruction.
- Maxillary sinus bone grafting.
- Root cyst excision site.
- Implant placement site.



CLINICAL CASES



HOW TO USE



Notice!

The rubber packing inside the syringe is coated with a very small amount of medical oil for lubrication purposes. Medical silicone oil stabilizes over time, so the lubricating performance does not work immediately. Before use, gently push and pull the plunger back and forth little by little to restore the lubricating performance, and then use. If you pull the plunger right away, the rubber packing and the plunger may come off or be damaged.

MegaDerm Plus

Medical Device

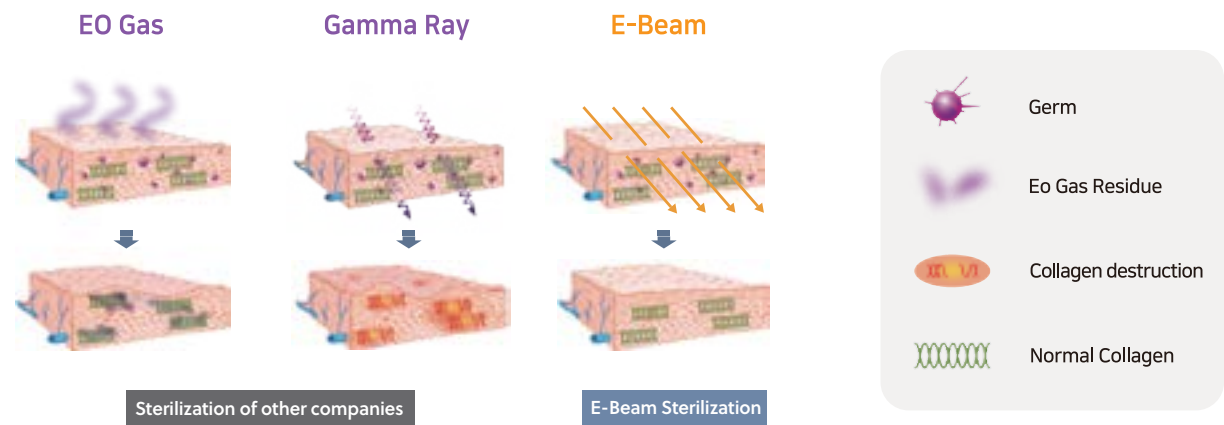
Acellular Dermal Matrix

Resorbable Membrane

E-Beam Sterilized

Expiry Date 3 Years From P-Day

MegaDerm Plus is a safe and effective acellular dermis sterilized using E-Beam technology.



FEATURES

- Maximizes the influx of fibroblasts to rapidly induce blood vessel formation and engraftment.
- Unlike synthetic materials, regenerates with autologous tissue after transplantation.
- Perfectly prevents soft tissue penetration during long absorption periods.
- AExcellent operability.
- Acellular dermal graft with removed basement membrane layer.
- Acellular dermal graft with multiple penetrations

SPECIFICATION

Item Code	Medical Device Model No.	Size	Area	Thickness
MDP1520	M015020S0305	15 x 20 mm	3.00 cm ²	0.3 ~ 0.5 mm
MDP1525	M015025S0305	15 x 25 mm	3.75 cm ²	

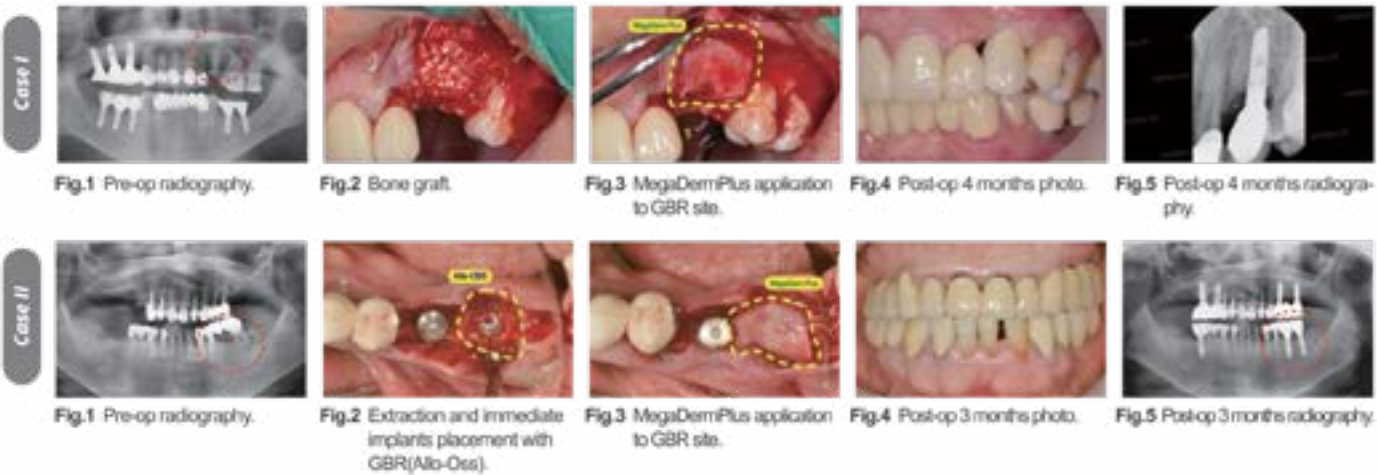


INDICATION FOR USE

- Defect of the mucosal gingiva
- Formation of soft tissue around implants
- Perforation of the maxillary sinus membrane.
- GBR Membrane



CLINICAL CASES



HOW TO USE

1

For hydration, prepare an appropriate amount of sterile saline solution or PRP, blood, etc. in a bowl.

2

Trim to a size and shape appropriate for the treatment area using scissors, a punch, etc.

3

Place the trimmed MegaDerm Plus in the prepared bowl and allow to hydrate for at least 5 minutes.

4

Attach Megaderm Plus to the surgical site

Notice! Megadum Plus is a double-sided product that can be used conveniently regardless of direction.

BONEPLANT

Bone graft material
Synthetic bone

FEATURES

Volume Preservation

- **Bone materials which is not rolling down**
Other bone materials are usually powder type but this product is Matrix Structure Block type that is not rolling down
- **Making effects to seal the moment it breaks**
It makes highly reactive surface when it is pushed into the defection
- **Good blood absorption with 95% of pore structure**
Good bone regeneration by circulation of blood between inside and outside of block bone



BLOCK TYPE

3D hexahedron 6WAY channel structure

- Blood circulates in six directions through the pipes of Boneplant and bone regeneration occurs easily



BonePlant Block



Name Of Goods BP0125
Size 5x5x5mm³
Volume 0.125 cc



Name Of Goods BP0125-1
Size 5x5x10mm³
Volume 0.25 cc

BonePlant Powder



Name Of Goods BPPOWDER-3 Size 1-2mm Volume 0.25cc/0.5cc

Name Of Goods BPPOWDER-2 Size 0.5-1mm Volume 0.25cc/0.5cc

CASE I



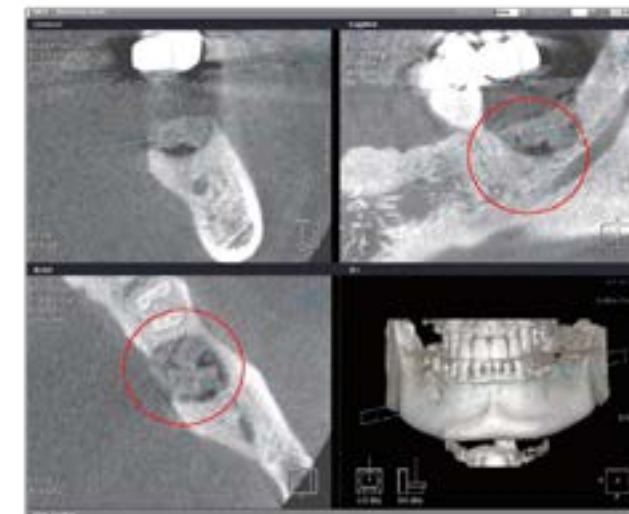
Before grafting



After grafting



Collagen tape



After grafting(CT)



Two months after grafting(CT)

CASE II



Before grafting



After grafting



Collagen tape

How to pick up the fixture



Take off the ampoule cap from ampoule with hand



Pick up the fixture



Detach fixture from the ampoule



KGMP Certificate



CE Certificate



ISO 13485 Certificate



FDA 510(K) AR



FDA 510(K) BR



FDA 510(K) IR



RUSSIA Certificate



JAPAN Certificate



R&D Institute Certificate



World-wide accredited implant Biotem Implant!



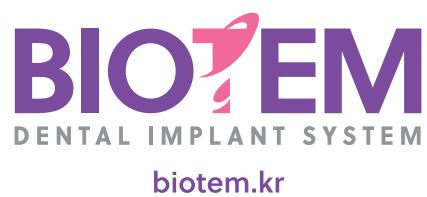
Biotem-expert of dental implant has been leading the world class dental implant technology and enhancing the satisfactory for the stability of quality and surgical convenience for the patients and dentists.

We have gained the international certificates such as CE, ISO13485 with together K.G.M.P and have stepped into the world wide market. We will make every effort to become an excellent world-leading implant company by developing high standardized, better quality and more satisfied products.



ISO 13485





#435-#438, Da-dong, Misagangbyeon Skypolis, 135, Misagangbyeonhangang-ro, Hanam-si, Gyeonggi-do, Korea
Tel. +82-2-6278-3050 ~ 1 Fax. +82-2-6278-3052



422, Sasang-ro, Sasang-gu, Busan, Korea
Tel. +82-70-8220-4934 Fax. +82-51-908-8257