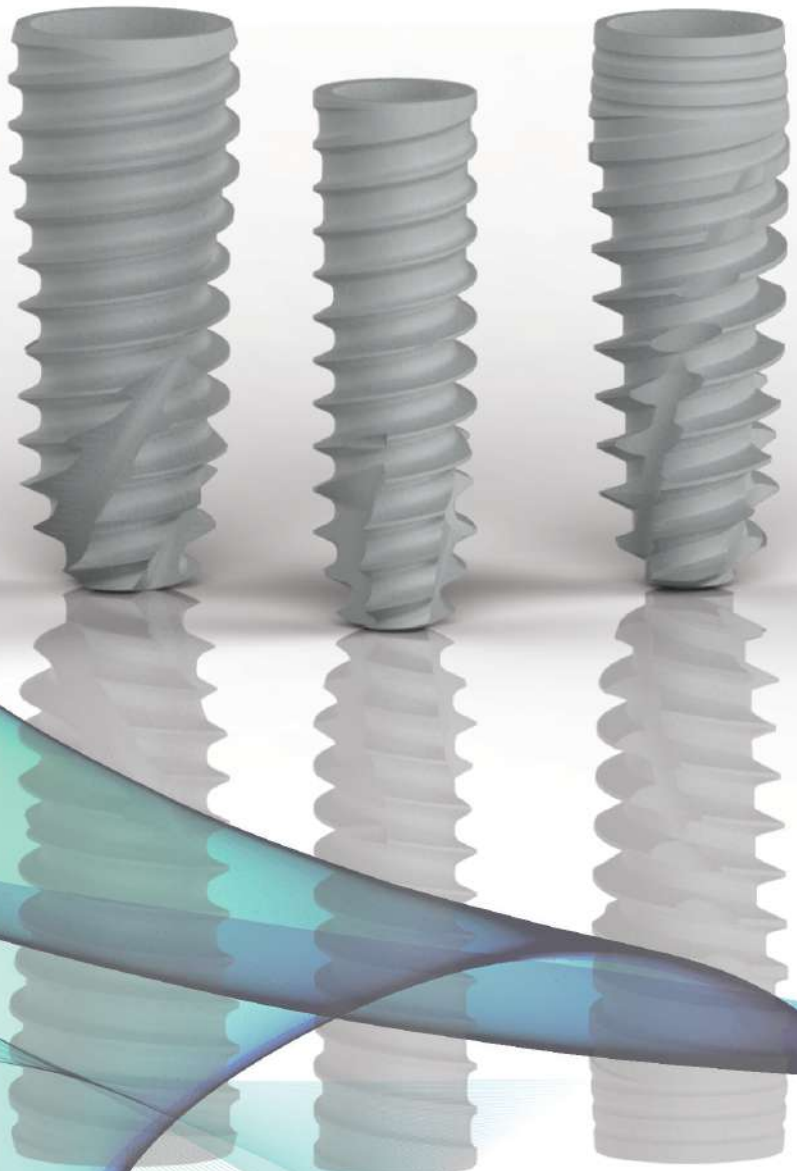
IMPLANT



INDEX

Greeting

About I Do biotech

I do Biotech Co., Ltd is a Company founded by Dentists with a Special Commitment to Dentists, where our Ideas, mould by our practice experience, are carried out by our Engineers onto the reality of BEST IMPLANTS, due to the combination of these two basic clinic and technical know-how.

With our continued R & D investments, we are constantly trying developing new concepts and new techniques, aiming to quality and innovation.
We want to achieve this innovation by sharing our experience with Yours, caring to Your Voice and Opinions, for You to become our Partners and our Mentors.
And, being DOING GOOD IMPLANTS our every day Wish and Satisfaction, this is the basic Meaning of our Company Name : “Can You Do Implants?” – “I DO!”

Greeting from CEO

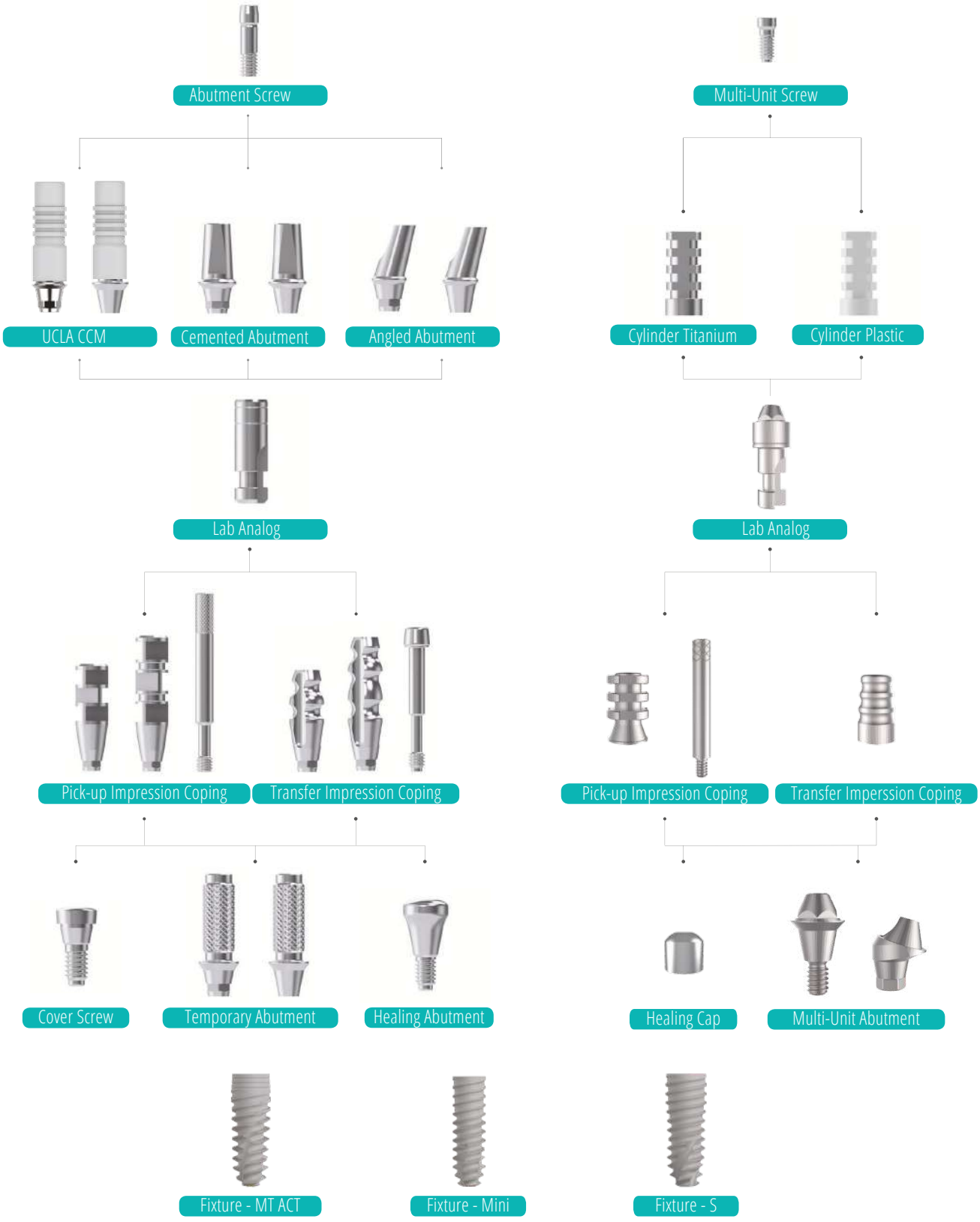
I cannot forget that moment when I proposed to my wife " Would you like to marry with me?" answer was " I Do !!"
I remember all for that moment all the preparations and the tremors, values, thoughts was for right time.

and satisfactions, etc. This is all we face every day.
That is implant for me and if you ask me "You do implant ?"
" I DO" and that is our objective, your request and your wish will be our goals !
Dental Implant is complete science for dentist and that's is our hope, every dentist can say " I Do implant !! "

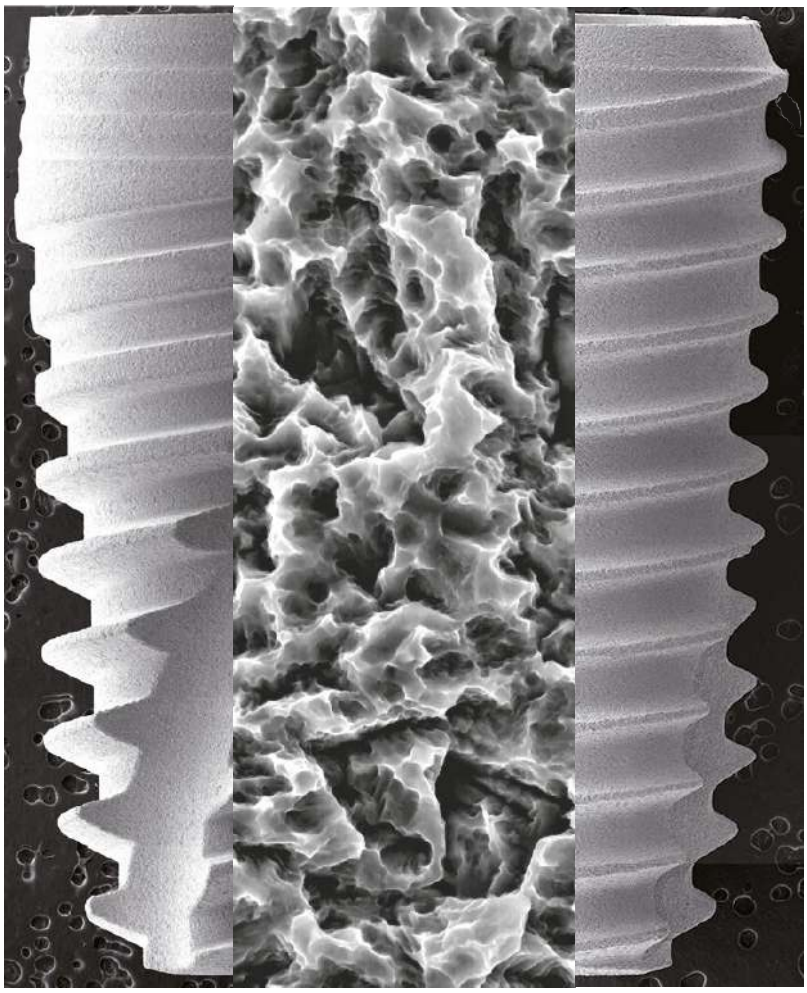
I Do Biotech CEO

Dr. Jimmy Song DDS

Implant flow



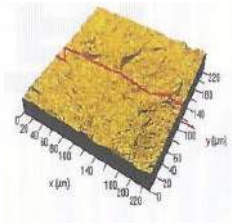
SLA Surface Features

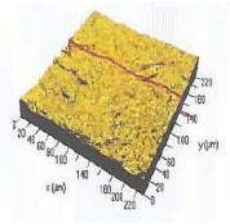


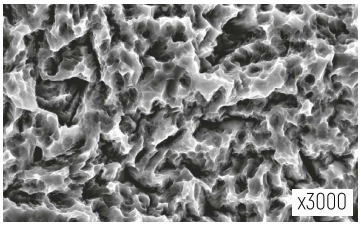
SLA Surface

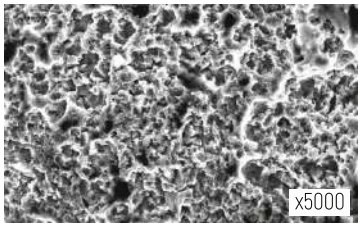
S.L.A are excellent in morphology and roughness(Ra=1.8um ~ 2.5um)
Increased 50% of the surface area than RBM and giving increased retention strength
and affect the attachment and growth of bone cell enhance the rate of Osseo-intergration

Limited insertion torque : 40Ncm









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

Reference Data

Open Journal of Stomatology, 2020, 10, 121-139
www.scirp.org/journal/ojst
ISSN Online: 2160-8717
ISSN Print: 2160-8709

I Do Biotech Dental Implants: Prospective Multicentric Study after 5 Years of Functional Loading

Abstract

Introduction: I Do Biotech's implants were developed starting in 2014. Since then, they obtained GMP and KFDA licenses for distribution in 2015. The main objective of this paper is to determine the survival rate of I Do Biotech implants !ve years after the !rst surgery. Material and Methods: 1000 implants were used on 480 prostheess across 10 clinics on 320 healthy, non-smoker and non-diabetic patients, chosen at random, of which 160 are male and 160 female, all in the age range of 30 to 50 years old. The failure rate was studied related to the paitent's gender, the length and diameter of the implant, anatomical location, the percentage of per-iimplantitis, prosthodontic failures and the patient's quality of life. Discussion: The results obtained are similar to those of Van Steenberghe D. Dieter-Busenlechner, E. Serrano Catauria and far superior to those of Sáenz Guzmán. Failure rates vary greatly from study to study due to the heterogeneity of the samples in the othere r-search papers. Conclusion: The overall implant failure rate at 5 years is 1.7%. The factors a"ecting signi!cantly the survival rate are: the implant diameter, its length and the anatomic area. Failure ratios increase signi!cantly when the diameter or the length of the implant decreasse, and when they are placed in the posterior maxilla (up to 4.3%). The rate of peri-implantitis is 5.1%. The prosthodontic failure rate is 2.91%. The improvement in quality of life and satisfaction increases with the years .

Keywords

Dental Implants, Titanium, Morse Taper, SLA Surface, Multicentric Study, Peri-Implantitis, Prosthodontic Failures, Study after 5 Years of Loading, Quality of Life

5.Conclusions

The failure rate of the I Do Biotech implant after 5 years was 1.7%. It increases up to 4.3% when the length of the implant or its diameter decreases, and when it is placed in posterior areas.

The failure rate of the prosthesis after 5 years was 2.91%.

The rate of peri-implantitis after 5 years was 5.1%.

No signi!cant di"erences were found between both gender, sso it can be said that gender does not in#uence failure rates .

With a statistically signi!cant di"erence, the highest failure rates were seen with short implants, smaller diameter, and located in the posterior areas of the maxilla.

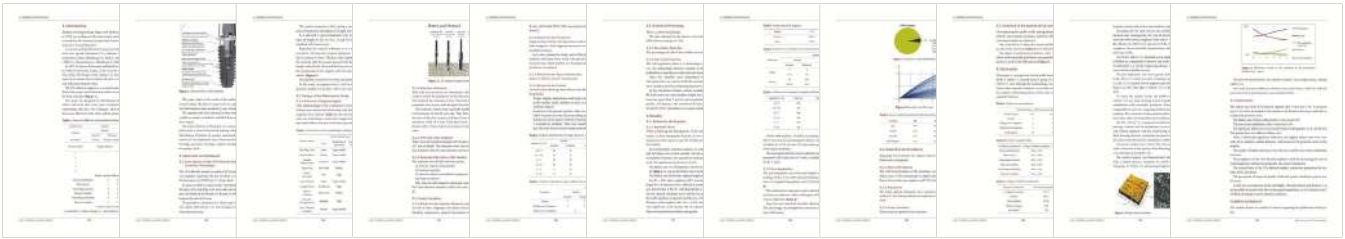
The quality of hygiene decreases over the years and the rate of per-implantitis increases.

The roughness of the I Do Biotech implant is ideal for increasing the rate of osseointegration without increasing the rate of per-iimplantitis.

The conical form of the I Do Biotech implant connection guarantees the stability of the prosthesis.

The perception of improved quality of life and patient satisfaction grows over the years.

As this was a prospective study with highly selected patients and dentists, it is not possible to transfer this data to the general population, as it is limited to the I Do Biotech implant used in optimal conditions.



Characteristics of S Implant

Excellent soft tissue response

S-line for natural emergence profile

Platform switching

Prevents crestal bone loss and increase the volume of soft tissue to improve esthetic end result

Beveled shoulder

Releases the pressure in cortical bone
Facilitates bone growth above the shoulder

11° morse tapered connection

Creates sealed connection between fixture and abutment

Straight and tapered design

Provides initial fixation with convenient depth and torque controls

Straight body

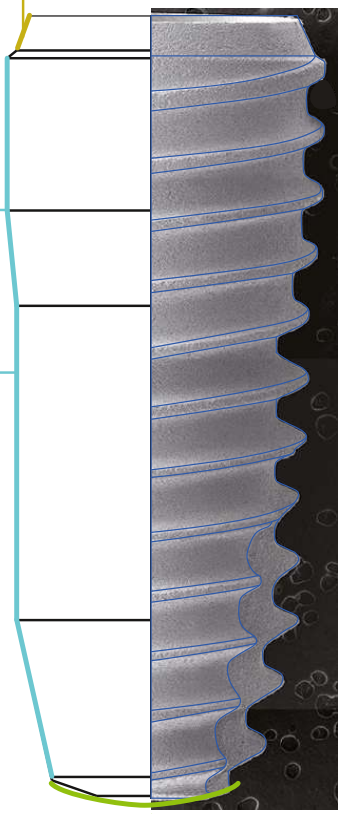
Minimize bone Stress

2.5mm hex connection

Dual contact

Ideal pitch and depth design

Upper 4mm with 0.25mm depth and 0.4mm rest design provides the best primary stability even with soft bone.
Pitch is 0.8mm



Aggressive apical design

15° tapered apical design
Self-tapping thread for Immediate Placement

Double thread

Increase bone to implant contact
Enables faster insertion without damaging bone structure
Enhances bone condensing properties for best primary stability

Rounded apex

Protect from damaging the sinus floor, nerve canal, and other important anatomical structure during surgery

S Implant Fixture

Fixture

Model	Diameter	Length	Apex
S3807	Ø3.8	7	Ø2.7
S3808		8.5	
S3810		10	
S3811		11.5	
S3813		13	
S4007	Ø4.0	7	Ø2.7
S4008		8.5	
S4010		10	
S4011		11.5	
S4013		13	
S4015		15	
S4507	Ø4.5	7	Ø3.1
S4508		8.5	
S4510		10	
S4511		11.5	
S4513		13	
S4515		15	

Model	Diameter	Length	Apex
S5007	Ø5.0	7	Ø3.2
S5008		8.5	
S5010		10	
S5011		11.5	
S5013		13	
S6007	Ø6.0	7	Ø4.3
S6008		8.5	
S6010		10	
S7007	Ø7.0	7	Ø5.0
S7008		8.5	
S7010		10	

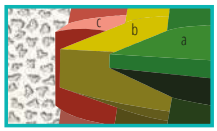
Cover Screw

Model	Diameter	Length
SCS35	Ø3.4	5.8

Characteristics of MT-Active Implant

Thread Design is taper shape with progressive bone expansion ability to increase the insertion depth and to elevate high stability.

Variable Threads Design

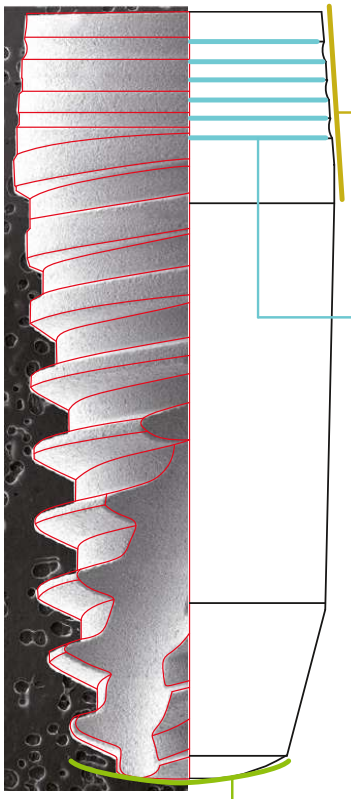


a : Apical V thread

b : Thinner square Thread

c : Thick squared Thread

Thread Design is taper shape with progressive bone expansion ability to increase the insertion depth and to elevate high stability.
Micro rings for prevention of alveolar crest cortical bone resorption
Double thread design enables bone condensing properties and highest primary stability
Apical blades enables the changing of direction for optimal restorative position
Reverse Taper
Allow for maximum cortical bone volume around implant for improved soft tissue support, Decrease Stress in cortical area to long-term bone loss
Expanding tapered body acts like a threaded osteotome: enables narrow ridge expansion and is designed to get high stability in compromised different bone types



Excellent soft tissue response

S-line for natural emergence profile

Platform switching

Prevents crestal bone loss and increase the volume of soft tissue to improve esthetic end result

Reverse Taper

Allows maximum cortical bone volume around the implant for improved soft tissue support and reduced stress in cortical area for long-term bone loss

11° morse tapered connection

Strong sealed Connection between fixture and abutment

Micro rings

Prevents alveolar crest cortical bone resorption

2.5 Hex connection

Dual Contact

Rounded Apex

Protect from damaging the sinus floor, nerve canal, and other important anatomical structure during surgery

Double thread

Increase bone to implant contact
Enables faster insertion without damaging bone structure
Enhances bone condensing properties for best primary stability

Aggressive Apical design

15° tapered apical design
Self-tapping thread for Immediate Placement

MT Active Implant Fixture

Fixture

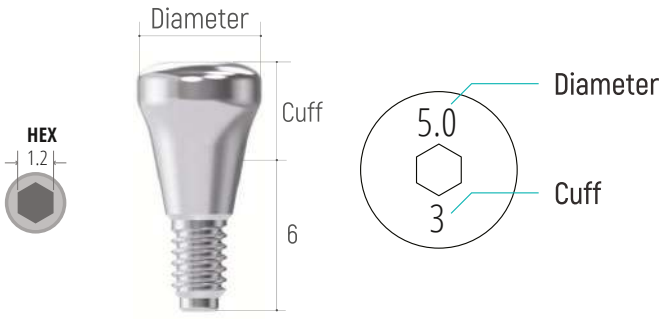
Model	Diameter	Length
MT-ACT3808	Ø3.8	8.5
MT-ACT3810		10
MT-ACT3811		11.5
MT-ACT3813		13
MT-ACT3815		15
MT-ACT4007	Ø4.0	7
MT-ACT4008		8.5
MT-ACT4010		10
MT-ACT4011		11.5
MT-ACT4013		13
MT-ACT4015		15

Model	Diameter	Length
MT-ACT4507	Ø4.5	7
MT-ACT4508		8.5
MT-ACT4510		10
MT-ACT4511		11.5
MT-ACT4513		13
MT-ACT5007	Ø5.0	7
MT-ACT5008		8.5
MT-ACT5010		10
MT-ACT5011		11.5
MT-ACT5013		13

Cover Screw

Model	Diameter	Length
SCS35	Ø3.4	5.8

Healing Abutment



Model	Diameter	Cuff	Total Length
SHA4002	Ø4.0	2	8
SHA4003		3	9
SHA4004		4	10
SHA4005		5	11
SHA4006		6	12
SHA4502	Ø4.5	2	8
SHA4503		3	9
SHA4504		4	10
SHA4505		5	11
SHA4506		6	12

Model	Diameter	Cuff	Total Length
SHA5502	Ø5.5	2	8
SHA5503		3	9
SHA5504		4	10
SHA5505		5	11
SHA5506		6	12
SHA6502	Ø6.5	2	8
SHA6503		3	9
SHA6504		4	10
SHA6505		5	11
SHA6506		6	12

*Use 1.2 Hex driver

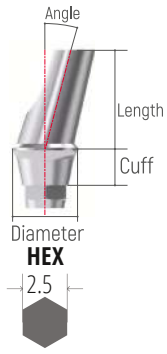
Cemented Abutment

* Abutment Screw (MAS20) included, Tightening Torque: 30Ncm

Straight (hex)

Model	Diameter	Length	Cuff
MTA4051	Ø4.0	5.5	1
MTA4052			2
MTA4053			3
MTA4054			4
MTA4055			5
MTA4551	Ø4.5	5.5	1
MTA4552			2
MTA4553			3
MTA4554			4
MTA4555			5
MTA5551	Ø5.5	5.5	1
MTA5552			2
MTA5553			3
MTA5554			4
MTA5555			5

Angled (hex)



Model	Diameter	Cuff	Length	Angle
MAA4011	Ø4.0	1	7	15
MAA4012		2		
MAA4013		3		
MAA4014		4		
MAA4511	Ø4.5	1	7	15
MAA4512		2		
MAA4513		3		
MAA4514		4		
MAA4021	Ø4.0	1	7	25
MAA4022		2		
MAA4023		3		
MAA4024		4		
MAA4521	Ø4.5	1	7	25
MAA4522		2		
MAA4523		3		
MAA4524		4		

Abutment Screw

Model	Diameter	Length
MAS 20	Ø2.3	8.3

Accessories

Temporary Abutment

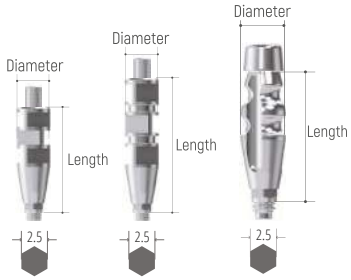
Model		Diameter	Length
Hex	MTA4511H	Ø4.5	11
Non Hex	MTA4511N	Ø4.5	11

* Abutment Screw (MAS20) included, Tightening Torque: 30Ncm
* Using at the manufacturing of temporary prosthetics.

UCLA CCM

Product	Diameter	Type	Model
UCLA CCM	Ø4.5	Regular	CCMRH
			CCMRN

* Abutment Screw (MAS20) included, Tightening Torque: 30Ncm



Impression Coping

Product	Type		Model	Diameter	Length
Impression Coping	Pick Up (open tray)	Short	ICP45HS	Ø4.5	14.7
		Short	ICP55HS	Ø5.5	
		Long	ICP45HL	Ø4.5	18.7
		Long	ICP55HL	Ø5.5	
	Transfer (closed tray)	Short	ICT45HS	Ø4.5	12.7
			ICT55HS	Ø5.5	

Lab Analog

Model	Diameter	Length
Lab001	Ø4.2	13

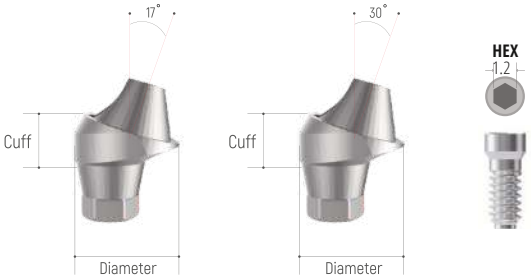
Multi Unit Abutment

Straight

Model	Diameter	Cuff
MUSA4801	Ø4.8	1
MUSA4802		2
MUSA4803		3
MUSA4804		4
MUSA4805		5

*Recommended Torque-30 Ncm

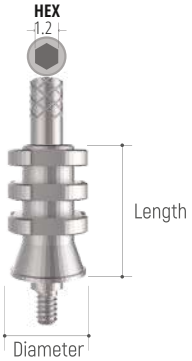
Angled



Model	Angulation	Cuff
MUAA17482	17	2
MUAA17483		3
MUAA17484		4
MUAA30483	30	3
MUAA30484		4
MUAA30485		5

*Recommended Torque-30 Ncm

Impression Coping Pick up

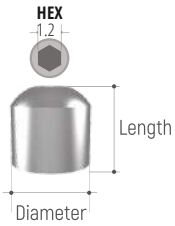


Model	Diameter	Length
MUICP	Ø4.8	8

Impression Coping Transfer

Model	Diameter	Length
MUICT	Ø4.8	5.5

Healing Cap

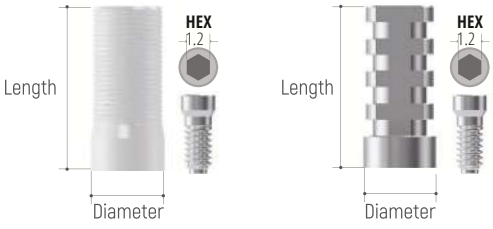


Model	Diameter	Length
MHC	Ø4.8	4.6

Analog

Model	Diameter	Length
MULA	Ø4.8	11.1

Cylinder



Model	Diameter	Length
MUPC (Plastic)	Ø4.8	10
MUTC (Titanium)	Ø4.8	10

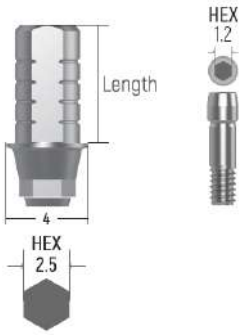
*Recommended Torque 20Ncm

Digital Components

*Must use Ido implant system library for Digital line

Scan Body

Regular
SB - R



Ti Base

Model	Length
TI4 - R	4
TI6 - R	6

Digital Lab Analog

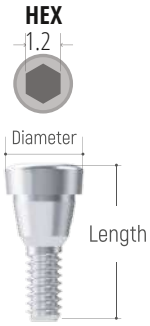
Regular
DLA - R

Mini Implant System

Fixture, Mini 1.7mm Hex

*Mini Fixture : Use only for anterior tooth

Model	Diameter	Length
S3008	Ø3.0	8.5
S3010		10
S3011		11.5
S3013		13
S3308	Ø3.3	8.5
S3310		10
S3311		11.5
S3313		13



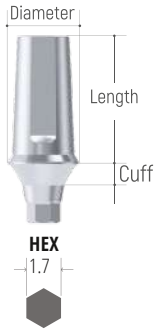
Cover Screw

Model	Diameter	Total Length
SCSM	2.7	4.7

Healing Abutment

Cuff	Ø4.2
2	SHAN4024
3	SHAN4035
4	SHAN4047

Mini Implant System - Accessories



Cemented Abutment

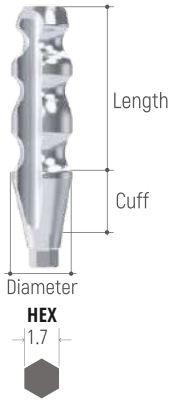
Diameter	Cuff	L 5.5 HEX 1.7
4	1	MTAN4051H
	2	MTAN4052H
	3	MTAN4053H
	4	MTAN4054H

*Abutment Screw (MAS10) included, Tightening Torque: 25Ncm

Angled Abutment

Diameter	Cuff	15 ° HEX 1.7
4	1	MAAN4012H
	2	MAAN4014H

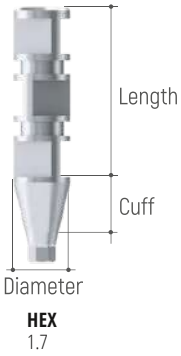
*Abutment Screw (MAS10) included, Tightening Torque: 25Ncm



Transfer Impression Coping

Diameter	Cuff	Length	Hex
4	4	18	ICTN404L

*For closed tray



Pick-up Impression Coping

Diameter	Cuff	Length	Hex
4	4	18	ICPN404L

*For open tray

Mini Implant System - Accessories

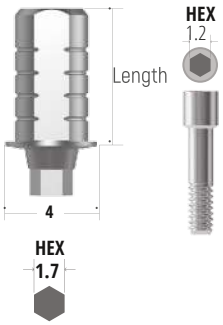
Lab Analog

Diameter	Length	Model
3	12	Lab002

UCLA CCM

Product	Diameter	Type	Model
UCLA CCM	Ø4.5	Mini	CCMMH (hex)
			CCMMN (non-hex)

*Abutment Screw (MAS10) included, Tightening Torque: 25Ncm



Ti Base

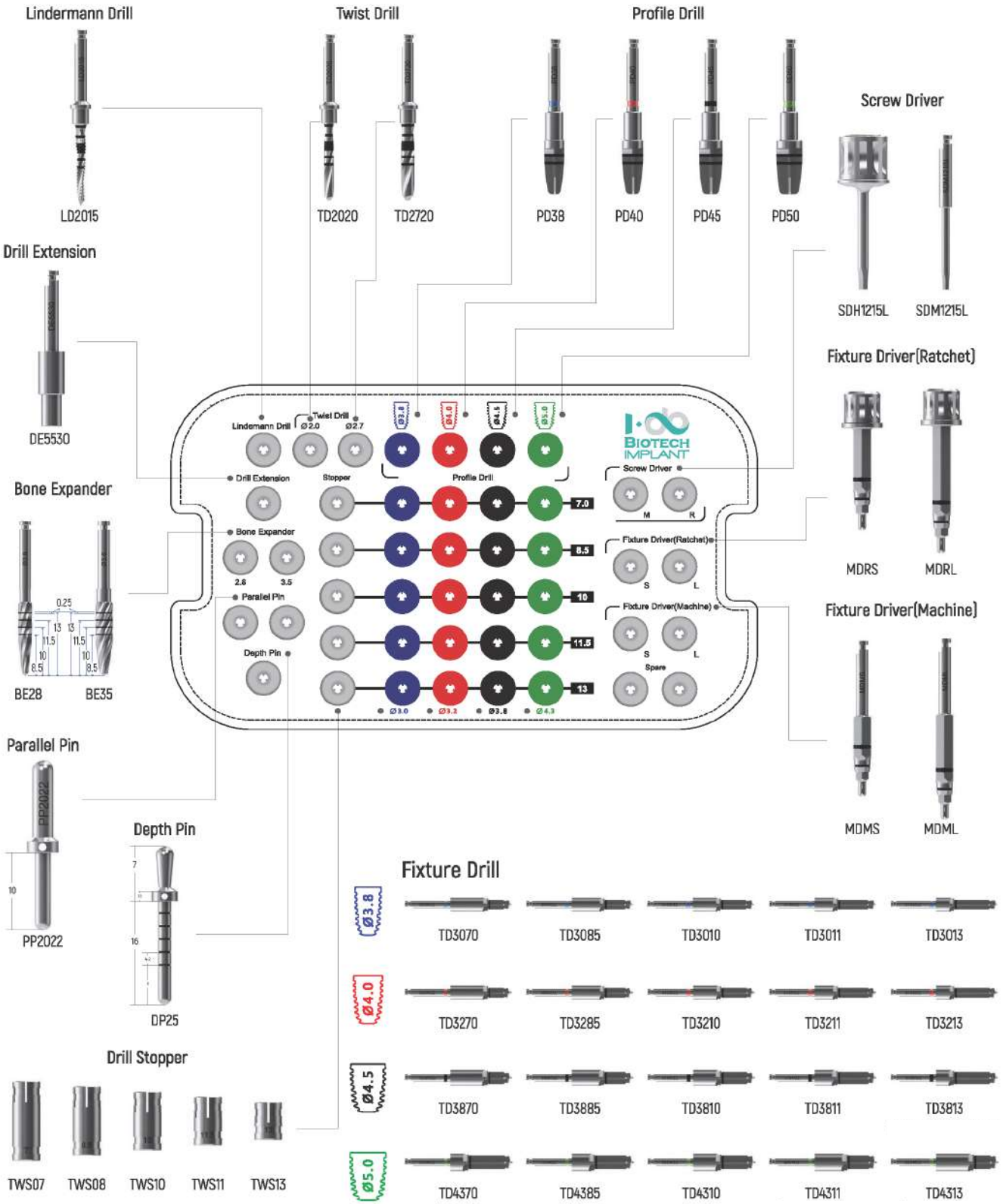
Model	Length
TI4 - M	4
TI6 - M	6

Scan Body

Mini
SB - M

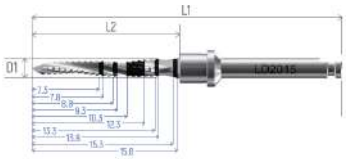
*Must use Ido library for digital components

Complete Kit



Kit Components

1) Lindemann Drill



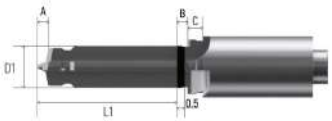
Model	D1	L1	L2
LD2015	Ø3.05	34.5	16
LD2715	Ø3.25	34.5	16

2) Twist drill & Stopper

Model	D1	L1	L2
TD2015	Ø2.0	34.5	16
TD2715	Ø2.7	34.5	16

Model	D2	L3	Marking
TWS07	Ø4.0	11.5	7
TWS08		10	8.5
TWS10		8.5	10
TWS11		7	11.5
TWS13		5.5	13

3) Fixture Drill



Model	L1	D1	A	B	C	Color
TD3070	7.35	Ø3.0	0.35	0.7	1.05	BLUE
TD3085	8.85					
TD3010	10.35					
TD3011	11.85					
TD3013	13.35					
TD3270	7.25	Ø3.2	0.35	0.7	1.05	RED
TD3285	8.75					
TD3210	10.2					
TD3211	11.7					
TD3213	13.2					
TD3870	7.45	Ø3.8	0.45	0.7	1.05	BLACK
TD3885	8.95					
TD3810	10.4					
TD3811	11.9					
TD3813	13.4					
TD4370	7.65	Ø4.3	0.45	0.7	1.05	GREEN
TD4385	9.15					
TD4310	10.6					
TD4311	12.1					
TD4313	13.6					

4) Fixture Driver

Type	Model	L1
Ratchet	MDRXS	5
	MDRS	14
	MDRL	19
	MD17RL	19 (Mini)
Machine	MDMXS	5
	MDMS	10
	MDML	15
	MD17ML	15 (Mini)

5) Screw Driver

Type	Model	L1
Ratchet	SDH1210S	10
	SDH1215L	15
Machine	SDM1210S	11
	SDM1215L	16

6) Drill Extension

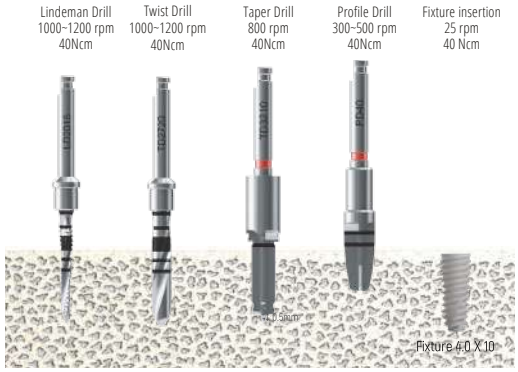
Model	L1	L2
DE5530	27	13

7) Torque Wrench

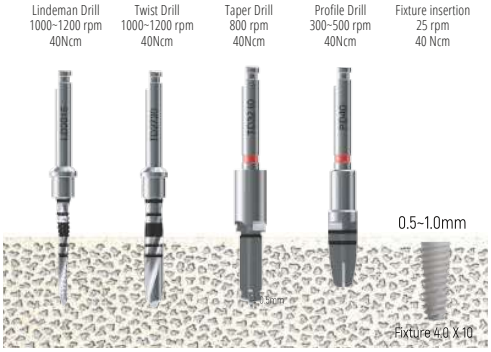
Model	IZTR60

Drilling Sequence for S / Mini

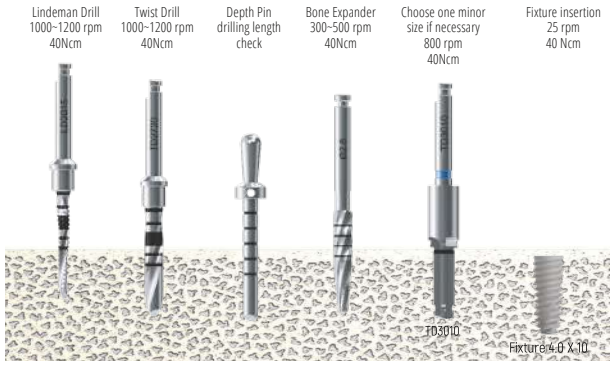
Bone Level protocol for S fixture



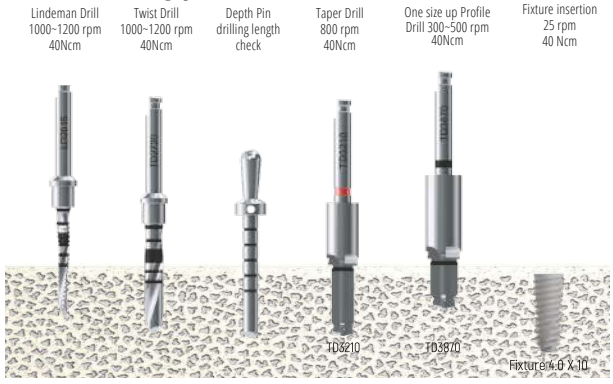
Under bone Level Drilling protocol for S fixture



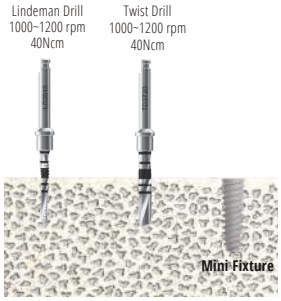
D4 Bone or Narrow drilling protocol for S fixture

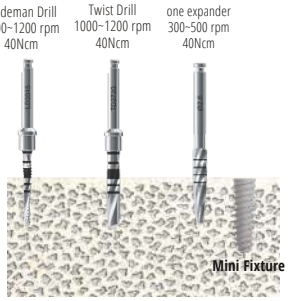


D1 ~ D2 Drilling protocol for s fixture

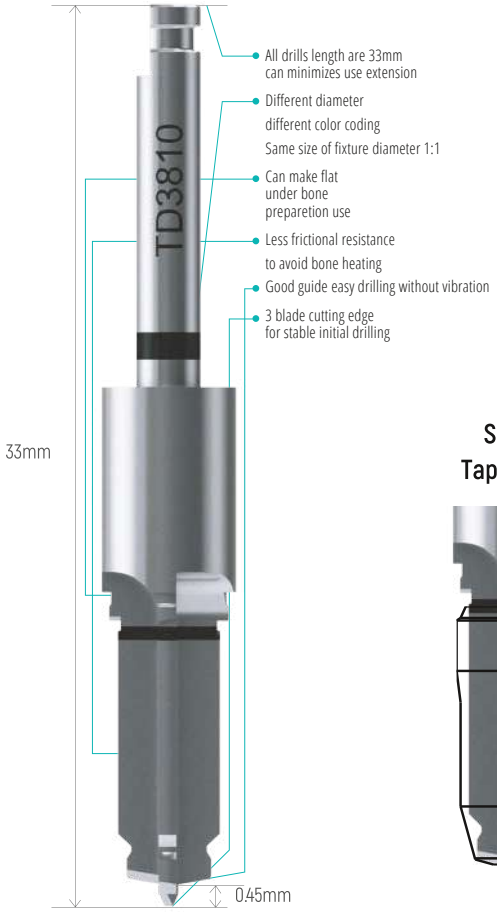


Mini implant protocol

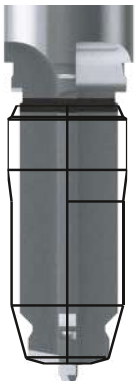




D1~D2



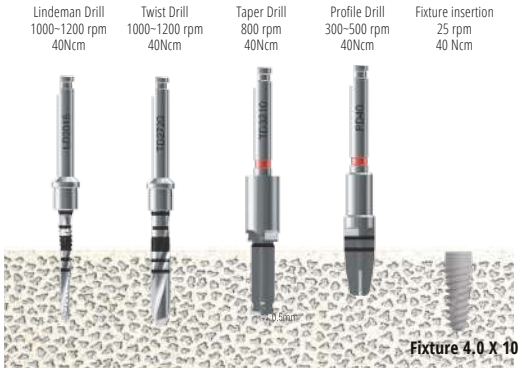
S fixture
Taper drill fit



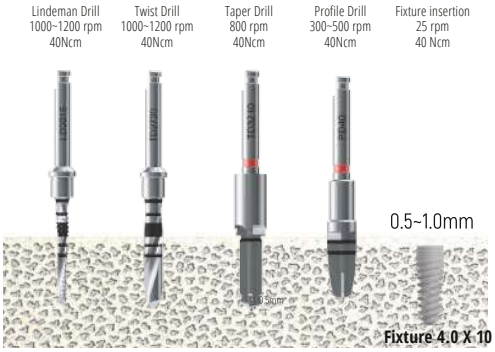
Low speed (50~300 rpm) Drilling autogenous Bone Collecting

Drilling Sequence for MT-ACT

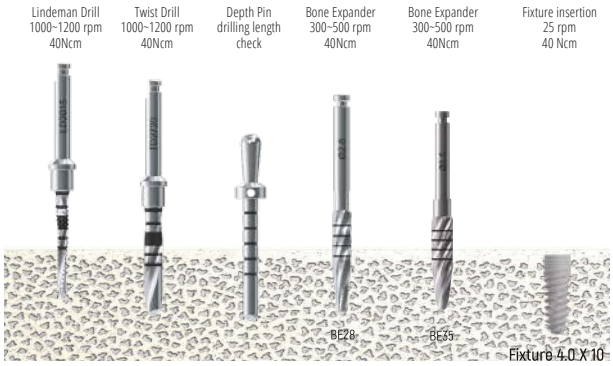
Bone Level protocol



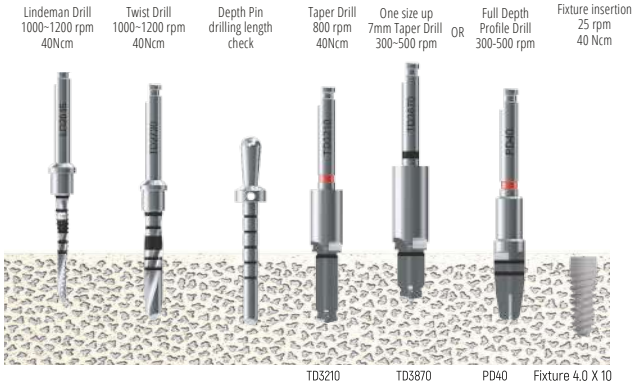
Under bone Level Drilling protocol



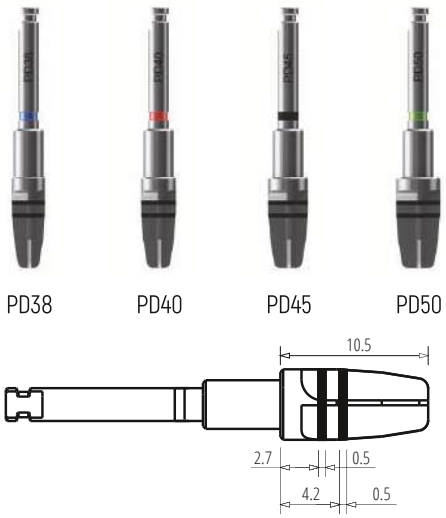
D4 Bone or Narrow drilling protocol



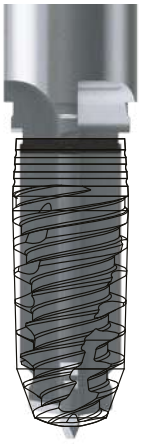
Alternative of drilling protocol



Mt-Act Fixture Must use Profile Drill



MT-Act 4.0mm x 10mm using TD3210 drill



MT-Act fixture Must use Profile drill

D2~D3 D1

Unpacking

Fixture

Wear your gloves

Open box

Remove box content

Open the packaging

Remove the Capsule

Carefully separate the o-ring capsules.

Flip side over to remove implant

Open white cap

Remove implant using hand driver or handpiece. Make sure that is is fully engaged with the implant. Be careful not to scratch the side of the capsule.

Correct

Incorrect

Fixture must fit perfectly to the line below of fixture driver. Otherwise, fixture can fall when you move

Cover screw

Flip side over and open implant cover screw side

Remove cover screw using 1.2 screw driver

Universal Prosthetic Kit

Item code: PDDK-03

Adjustable
Torque Wrench ,10-40 Ncm
(item code: IZTR60)

Spare for a extra driver and
convert adaptor

	1.2 Hex	1.25 Hex	SCS	Unigrip
Driver Tips				
Compatible systems	IDO Nobel Biocare, 3i, Keystone, Hiossen, MegaGen, Dentium	Zimmer, Astra, Biohorizons, Intra-Lock, MIS, Implant Direct, Dentis	Straumann SCS	NobelBiocare Active & Ungrip Screw, Neoss
15mm (long) 10mm (short)	HEDR1215 HEDR1210	HEDR12515 HEDR12510	SCDR1715 SCDR1710	UNDR1715 UNDR1710

Accessories

	1.2 Hex	1.25 Hex	SCS	Unigrip
25mm Extra long Tip	HEDR1225	HEDR12525	SCDR1725	UNDR1725

Convert Adaptor	Description	Item Code
	Adaptor to convert square head to round head	PDDK-ADT

*Accessories are NOT included in the kit

IOS

*Each Abutment Comes with Male Processing Set

For Regular

Type	Model	Cuff Height
Straight	G401	1
	G402	2
	G403	3
	G404	4
	G405	5
	G406	6
Angled (15°)	G4AN1.5	1.5
	G4AN3.0	3

For Mini

Type	Model	Cuff Height
Straight	SHZ401	1
	SHZ402	2
	SHZ403	3
	SHZ404	4
	SHZ405	5
	SHZ406	6

*Angled abutments are not available for Mini

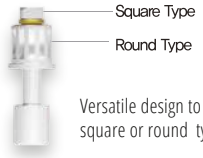
Optimax Tool (Item code : LKW)

Removal End **Insert End**

Turn the body clockwise to spread the removal tip for better grip on the old or worn out caps

Combo Torque Wrench Tip

(Item code : TWT)



Versatile design to accommodate square or round type of torque wrench

Accessories

Image	Description	Item Code
	Male Processing Set	Pack of 2: MP-02pk Pack of 10: MP-10pk
	Insert Caps - white: 4 lbs retention - Green cap : Angled, 3.2 lbs retention - Pink cap: 2.4 lbs retention - Orange cap: light angled, 1.8 lbs retention - Blue cap: 1.2 lbs retention - Red cap: extra light angled, 0.8 lbs retention - Yellow cap: zero retention	Pack of 4: Cap-[color]-4pk Pack of 10: Cap-[color]-10pk *One type of color per pack*
	Metal Housing	Pack of 4: MH-04pk Pack of 10: MH-10pk
	Impression Coping	Pack of 4: Imp-coping-IOS-04pk Pack of 10: Imp-coping-IOS-10pk
	Lab Analog	Pack of 4, Lab-Analog-04pk Pack of 10, Lab-Analog-10pk

Instruction

❶ The IDOcator selected in consideration of the tissue level is combined with the implant placed in the oral cavity

❷ Tighten it with 25~30N using IDOcator Torque Wrench Tip and re-lock it by repeating 2~3 times

❸ Insert the Block Out Spacer into the groove on the upper part of the IDOcator and press the metal housing firmly to fasten it

❹ Cut the place where the metal housing will be located in the denture to secure a space in advance and make a vent hole

❺ Apply resin evenly to the metal housing installed in the mouth to increase the bonding strength with the denture

❻ Fill the resin in the hole cut in the denture of no.4

❼ Place the denture in the mouth and wait for the resin to be hardened

❽ After removing the block out spacer in the denture, polish the surroundings

❾ Remove the black cap from the metal housing in the denture and select an appropriate male cap for the patient to use

BIOTECH

I DO BIOTECH USA, INC.
info@idobiotechusa.com
www.idobiotechusa.com