



CSM Implant

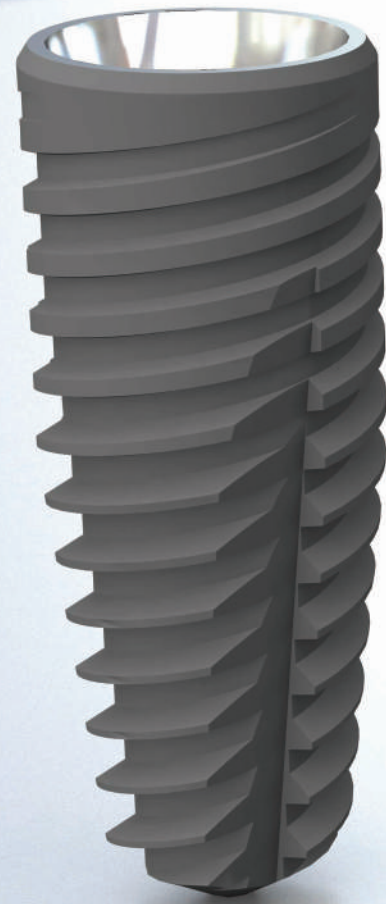
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SIIC-Rev02_AH/04

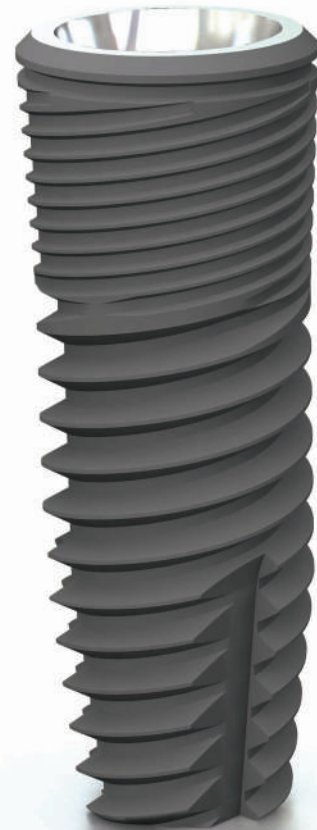


SUBMERGED III-L
Implant **SYSTEM**

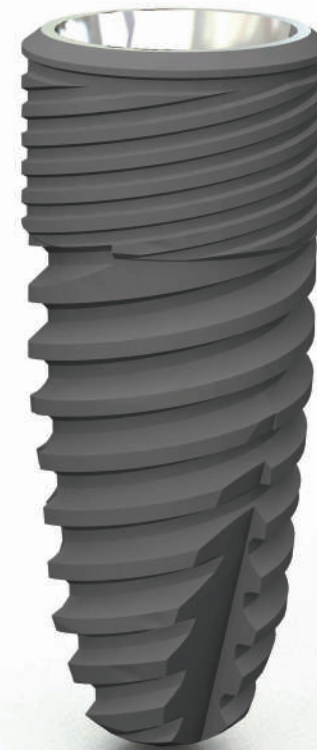
Submerged III Implant



Submerged II Implant



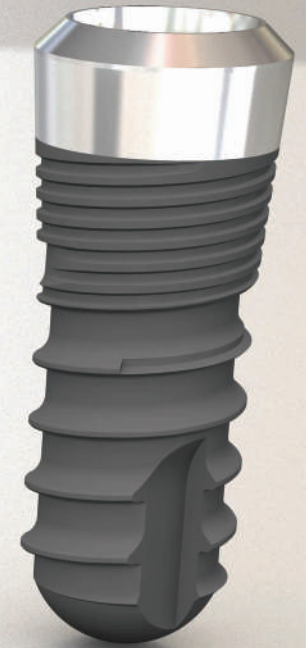
Submerged Implant



Internal Implant (Taper)



Internal Implant (Straight)



CSM Implant System SINCE 2000

Contents



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Surgical KIT >>



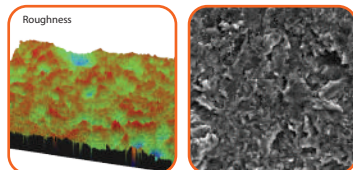
P55
Drill



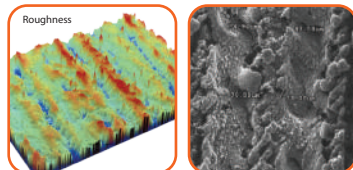
P55
Driver

Fixture Features

SLA Surface Treatment
 Sand-Blasted, Large Grit, Acid Etched
 Roughness value(Ra) of 2.0um~2.3um.

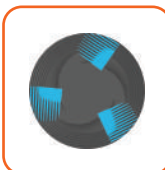


Dual Laser Surface Treatment
 We are the world's first laser surface treatment technology holder for early loading.



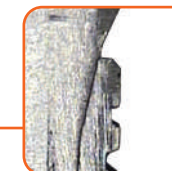
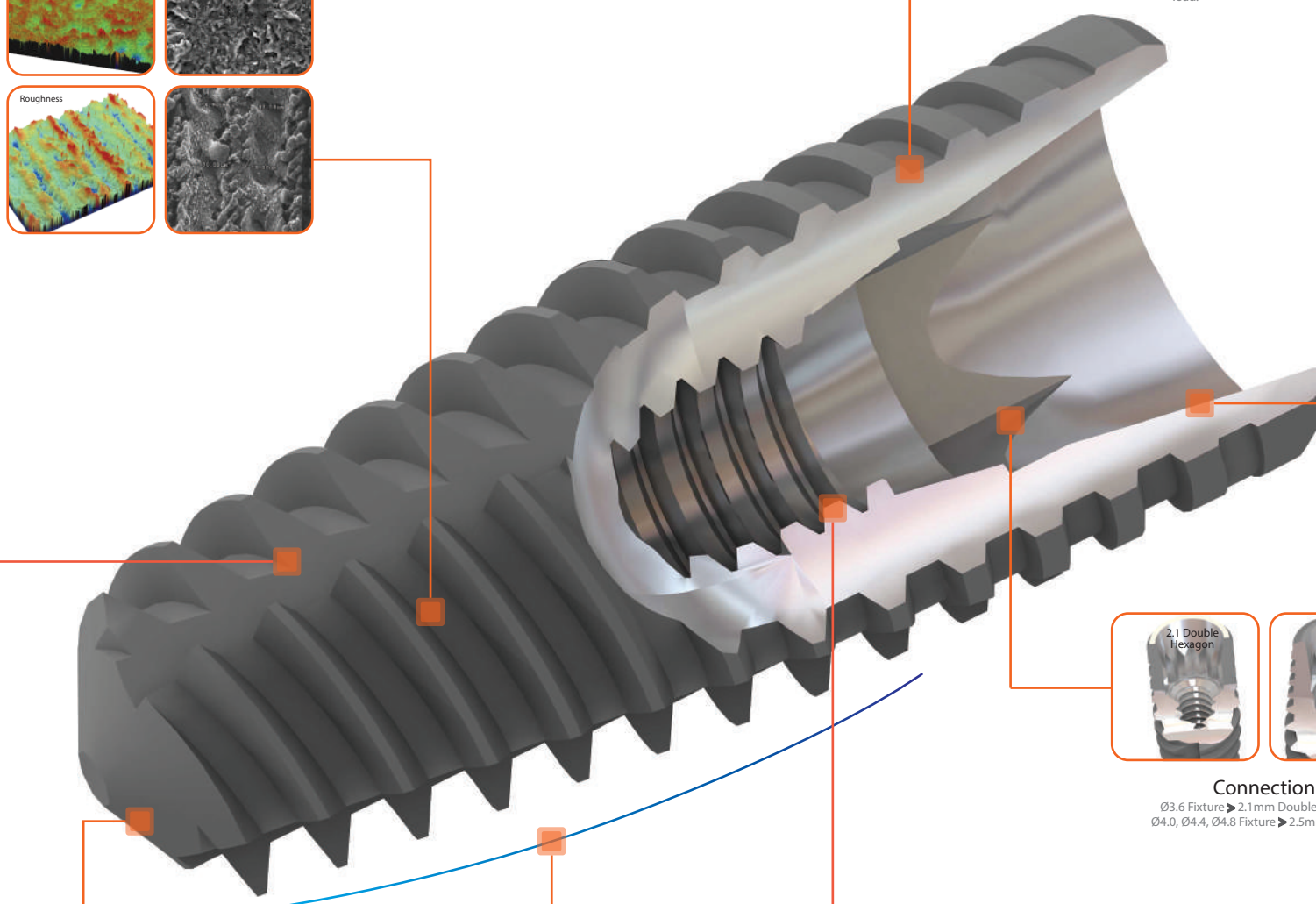
Dynamic Body Thread

Triple thread supports rapid insertion speed during the implantation. The wide and deep triangle screw shaped thread is effective in implantation and distribution of stress breakup from external load.



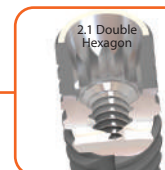
Cutting Edge

Triple cutting edge helps smooth self tapping and the surplus bone is to be accumulated into fixture's cutting edge. Also it enhances primary stability.



11° Taper

With perfect combination between abutment and 11° taper bacterial penetrations are prevented. Also it supports distribution of bone stress to minimize bone loss.



Connection

Ø3.6 Fixture ▶ 2.1mm Double Hexagon
 Ø4.0, Ø4.4, Ø4.8 Fixture ▶ 2.5mm Hexagon



Platform Switching

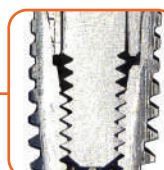
With perfect combination between abutment and 11° taper bacterial penetrations are prevented. Also it supports distribution of bone stress to minimize bone loss.



V-line Apex

V-Line apex is designed for an excellent initial implantation.

Taper Design






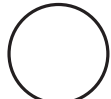
Screw Connection

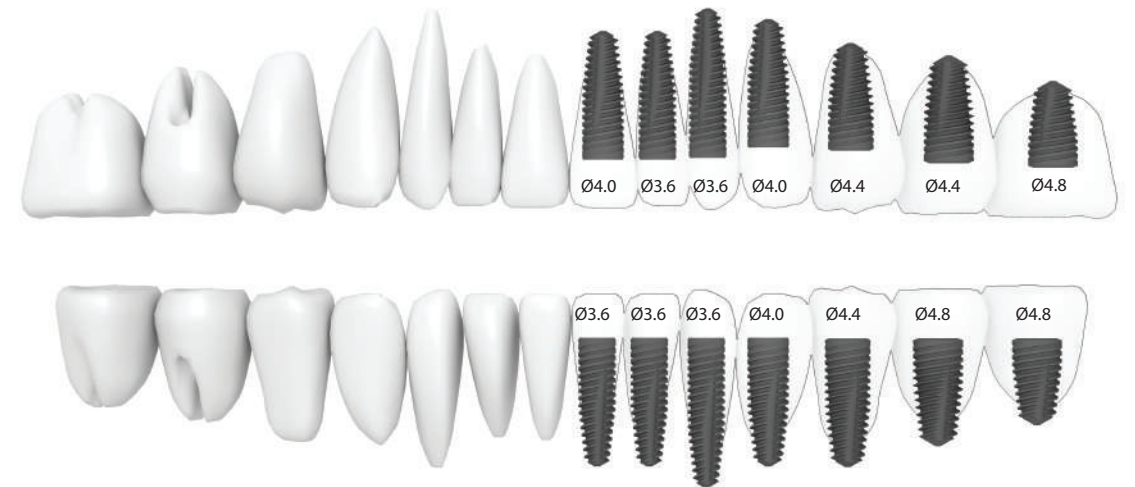
The M.1.6 screw is coupled with 2.1 double hexagon fixtures. And the other size of fixtures are coupled with M2.0

Fixture Line Up



Connection & Select Guide

Connection Form	Connection Dimension
	2.1 Double Hex 2.1mm
	2.5 Hex 2.5mm
	3.0 Oct 3.0mm
	



Package System



- | | | | |
|--|---|---|--|
| <p>01</p> | <p>02</p> | <p>03</p> | <p>04</p> |
| <p>Check the size of fixture and pull out the product from the box.</p> | <p>Rip off the paper on plastic case and pull out the ampoule.</p> | <p>Hold plastic ampoule and rotate the cap to open.</p> | <p>Check inside of fixture.</p> |
| <p>05</p> | <p>06</p> | <p>07</p> | <p>08</p> |
| <p>Pull out mountless driver carefully after it firmly combined with fixture by moving mountless driver right and left direction in the fixture.</p> | <p>Implantation.
(Use CSM mountless driver softly in right and left way till it firmly combined with fixture)</p> | <p>Hold up the ampoule cap and remove cap cover.</p> | <p>Use CSM torx driver and connect the screw and tighten coupling of the cover screw into the fixture.</p> |

KIT



Product Overview

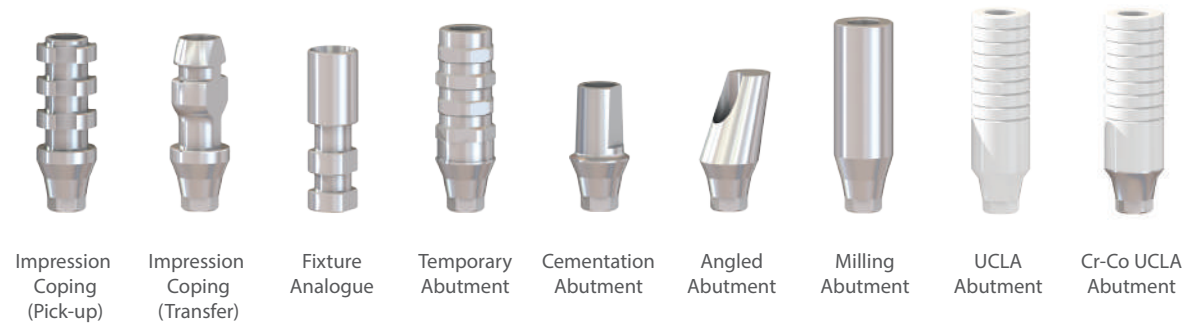
Fixture



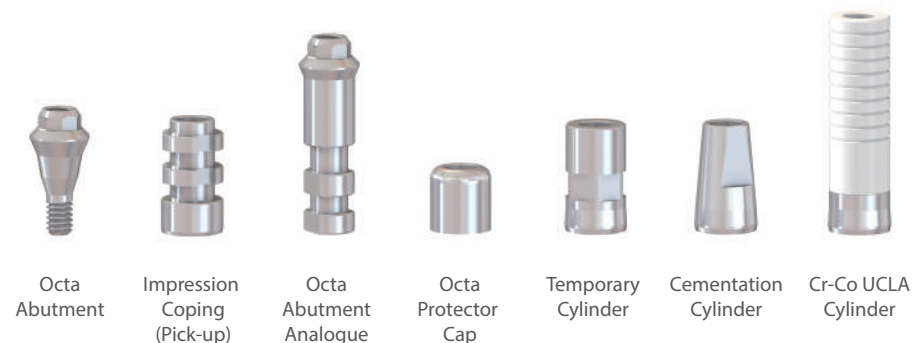
Cover Screw / Healing Abutment



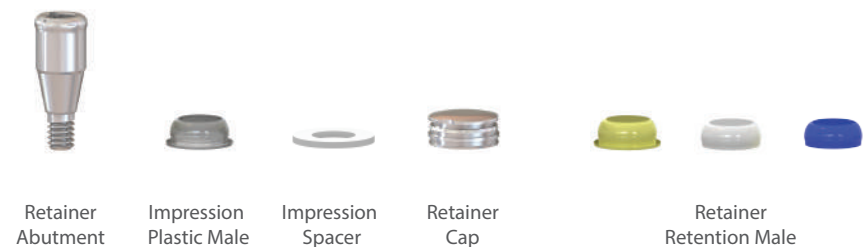
Fixture Level Impression



Abutment Level Impression



Overdenture



Fixture

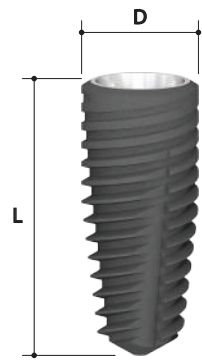
Fixture

2.1 Hex

Diameter (Ø)	3.6	3.6	3.6	3.6
Length (mm)	08	10	12	14
Pro' Code	C5F3608	C5F3610	C5F3612	C5F3614

2.5 Hex

Diameter (Ø)	4.4	4.4	4.4	4.4
Length (mm)	08	10	12	14
Pro' Code	C5F4408	C5F4410	C5F4412	C5F4414



2.5 Hex

Diameter (Ø)	4.0	4.0	4.0	4.0
Length (mm)	08	10	12	14
Pro' Code	C5F4008	C5F4010	C5F4012	C5F4014



2.5 Hex

Diameter (Ø)	4.8	4.8	4.8	4.8
Length (mm)	08	10	12	14
Pro' Code	C5F4808	C5F4810	C5F4812	C5F4814

Cover Screw

Non Hex



Torque : 5~10Ncm

2.1 Non



Diameter (Ø)
Pro' Code

2.83
CCS283

2.5 Non

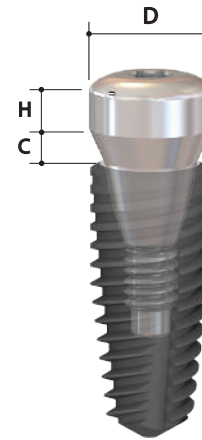


Diameter (Ø)
Pro' Code

3.35
CCS335

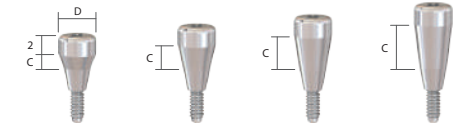
Healing Abutment

Non Hex



Torque : 5~10Ncm

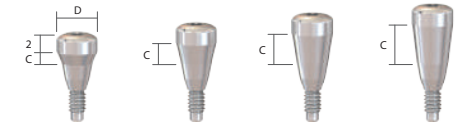
2.1 Non



Diameter (Ø)
Collar (mm)
Pro' Code

4.0	4.0	4.0	4.0
1.5	2.5	3.5	4.5
CHA4015	CHA4025	CHA4035	CHA4045

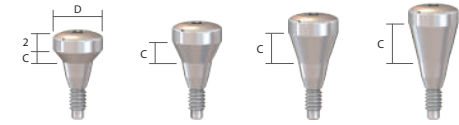
2.5 Non



Diameter (Ø)
Collar (mm)
Pro' Code

4.5	4.5	4.5	4.5
1.5	2.5	3.5	4.5
CHA4515	CHA4525	CHA4535	CHA4545

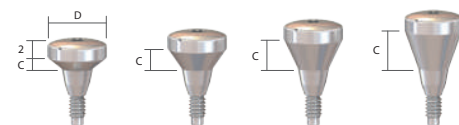
2.5 Non



Diameter (Ø)
Collar (mm)
Pro' Code

5.5	5.5	5.5	5.5
1.5	2.5	3.5	4.5
CHA5515	CHA5525	CHA5535	CHA5545

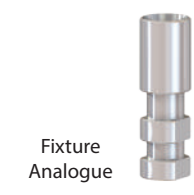
2.5 Non



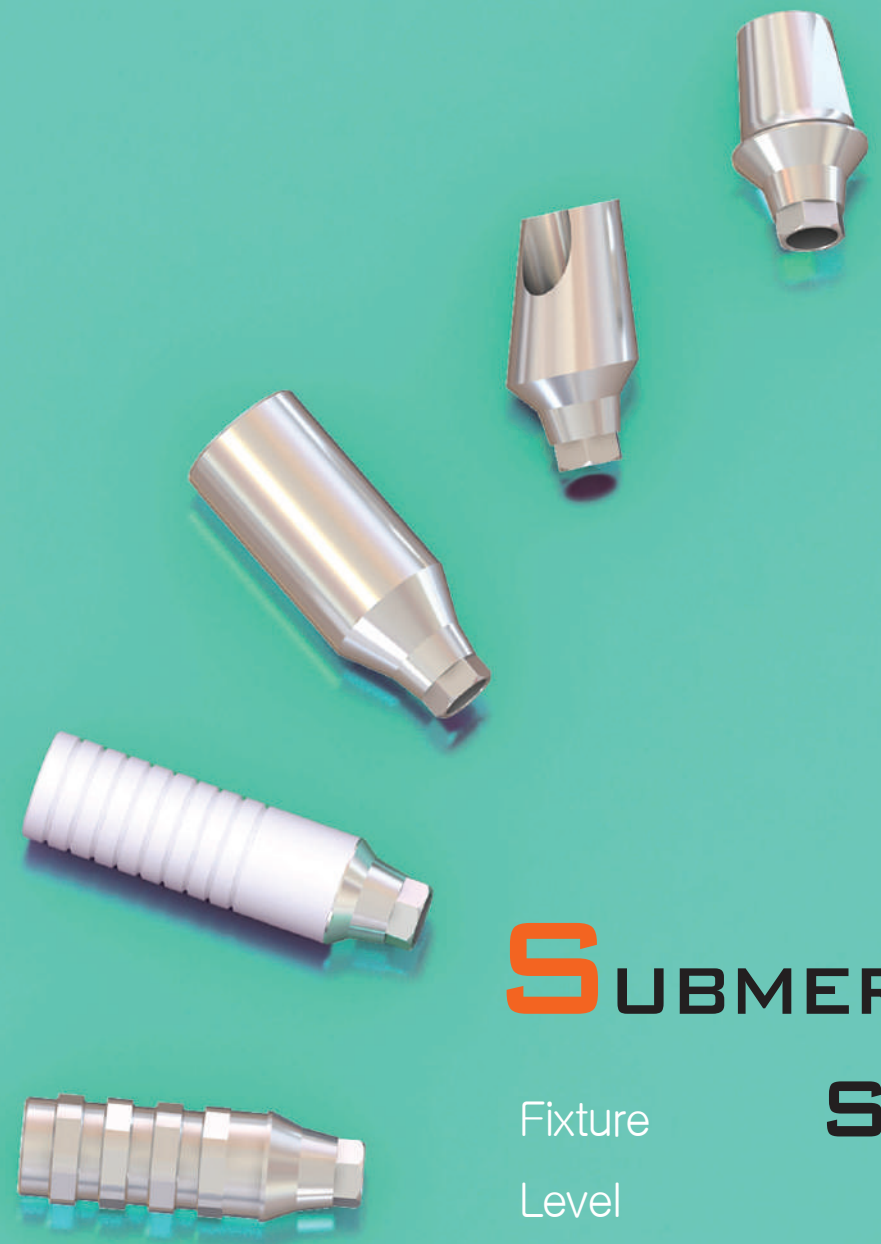
Diameter (Ø)
Collar (mm)
Pro' Code

6.5	6.5	6.5	6.5
1.5	2.5	3.5	4.5
CHA6515	CHA6525	CHA6535	CHA6545

Flowchart



Fixture

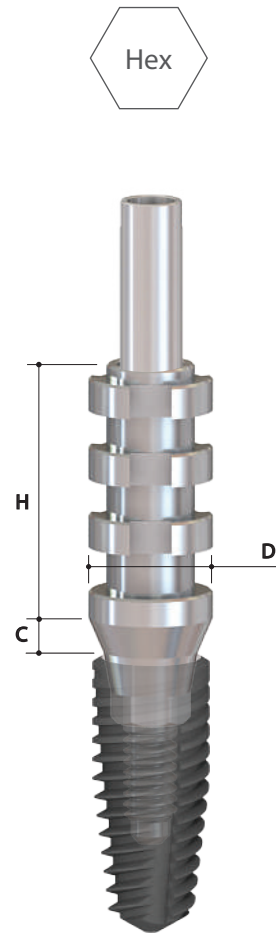


SUBMERGED III-L SYSTEM

Fixture
Level
Impression

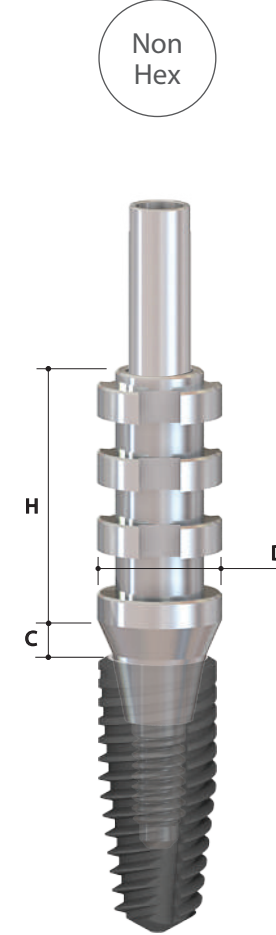


Impression Coping [Pick-up] Hex



Hex	2.1 Hex	2.5 Hex	2.5 Hex	2.5 Hex	*Coping Pin
Diameter (Ø)	4.0	4.5	5.5	6.5	
Collar (mm)	1.5	1.5	1.5	1.5	
Pro' Code	CIP4015	CIP4515	CIP5515	CIP6515	ICPPS-21
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	2.5	2.5	2.5	2.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4025	CIP4525	CIP5525	CIP6525	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	3.5	3.5	3.5	3.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4035	CIP4535	CIP5535	CIP6535	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	4.5	4.5	4.5	4.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4045	CIP4545	CIP5545	CIP6545	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	1.5	1.5	1.5	1.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4015	CIP4515	CIP5515	CIP6515	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	1.5	1.5	1.5	1.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4015	CIP4515	CIP5515	CIP6515	*Coping Pin

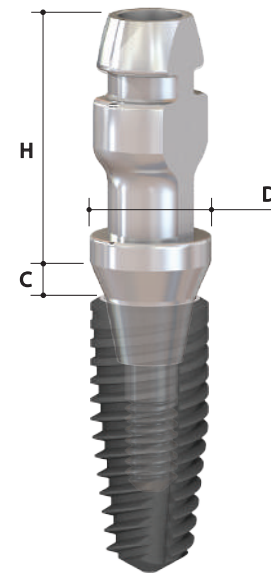
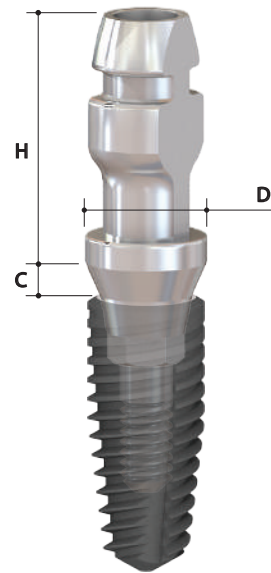
Impression Coping [Pick-up] Non-Hex



Non Hex	2.1 Non	2.5 Non	2.5 Non	2.5 Non	*Coping Pin
Diameter (Ø)	4.0	4.5	5.5	6.5	
Collar (mm)	1.5	1.5	1.5	1.5	
Pro' Code	CIP4015N	CIP4515N	CIP5515N	CIP6515N	ICPPS-21
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	2.5	2.5	2.5	2.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4025N	CIP4525N	CIP5525N	CIP6525N	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	3.5	3.5	3.5	3.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4035N	CIP4535N	CIP5535N	CIP6535N	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	4.5	4.5	4.5	4.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4045N	CIP4545N	CIP5545N	CIP6545N	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	1.5	1.5	1.5	1.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4015N	CIP4515N	CIP5515N	CIP6515N	*Coping Pin
	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	Diameter (Ø)	
	4.0	4.5	5.5	6.5	
	Collar (mm)	Collar (mm)	Collar (mm)	Collar (mm)	
	1.5	1.5	1.5	1.5	
	Pro' Code	Pro' Code	Pro' Code	Pro' Code	
	CIP4015N	CIP4515N	CIP5515N	CIP6515N	*Coping Pin

Impression Coping [Transfer] Hex

Impression Coping [Transfer] Non-Hex



Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT4515	CIT4525	CIT4535	CIT4545	

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT4515N	CIT4525N	CIT4535N	CIT4545N	

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT5515	CIT5525	CIT5535	CIT5545	

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT5515N	CIT5525N	CIT5535N	CIT5545N	

Diameter (Ø)	6.5	6.5	6.5	6.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT6515	CIT6525	CIT6535	CIT6545	

Diameter (Ø)	6.5	6.5	6.5	6.5	*Screw AS20-25
Collar (mm)	1.5	2.5	3.5	4.5	
Pro' Code	CIT6515N	CIT6525N	CIT6535N	CIT6545N	

Fixture Analogue

2.1
Double
Hex

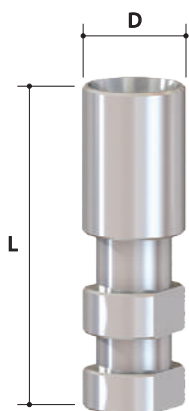


Diameter (Ø)	3.5
Length(mm)	12
Pro' Code	CAN35

2.5
Hex



Diameter (Ø)	3.8
Length (mm)	12
Pro' Code	CAN38



Temporary Abutment [Hex]

Temporary Abutment [Non-Hex]

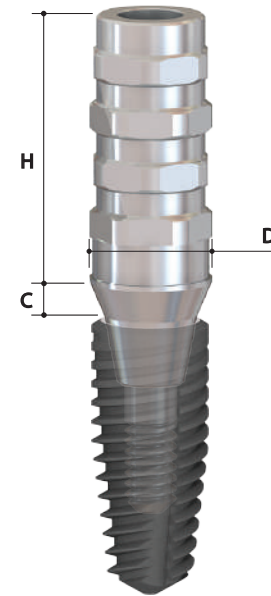
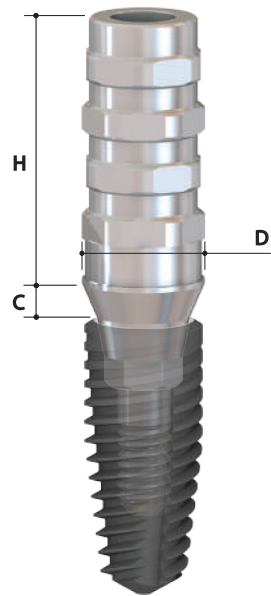


2.1 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	TA4515-21	TA4525-21	TA4535-21	TA4545-21	

2.1 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	TA4515N-21	TA4525N-21	TA4535N-21	TA4545N-21	



2.5 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CTA4515	CTA4525	CTA4535	CTA4545	

2.5 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CTA4515N	CTA4525N	CTA4535N	CTA4545N	

2.5 Hex

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CTA5515	CTA5525	CTA 5535	CTA5545	

2.5 Non

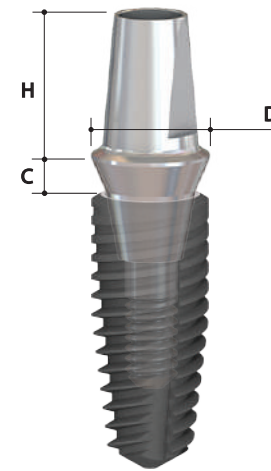
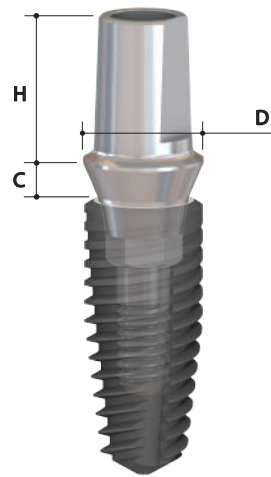
Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CTA5515N	CTA5525N	CTA5535N	CTA5545N	

Torque : 20Ncm

Torque : 20Ncm

Cementation Abutment [Hex]

Cementation Abutment [Non-Hex]



Torque : 30Ncm

Torque : 30Ncm

2.1 Hex					
Diameter (Ø)	4.0	4.0	4.0	4.0	*Screw AS16-21
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA4015	CCEA4020	CCEA4025	CCEA4035	

2.1 Non					
Diameter (Ø)	4.0	4.0	4.0	4.0	*Screw AS16-21
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA4015N	CCEA4020N	CCEA4025N	CCEA4035N	

2.5 Hex					
Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA4515	CCEA4520	CCEA4525	CCEA4535	

2.5 Non					
Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA4515N	CCEA4520N	CCEA4525N	CCEA4535N	

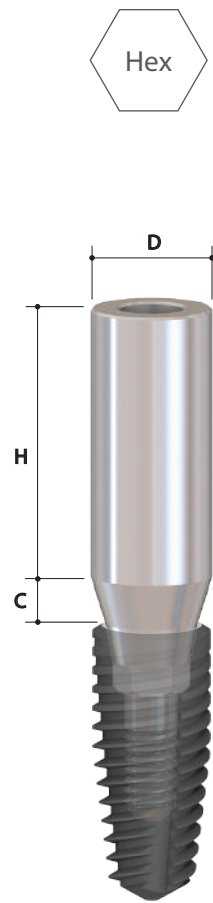
2.5 Hex					
Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA5515	CCEA5520	CCEA5525	CCEA5535	

2.5 Non					
Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA5515N	CCEA5520N	CCEA5525N	CCEA5535N	

2.5 Hex					
Diameter (mm)	6.5	6.5	6.5	6.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA6515	CCEA6520	CCEA6525	CCEA6535	

2.5 Non					
Diameter (mm)	6.5	6.5	6.5	6.5	*Screw AS20-25
Collar (mm)	1.5	2.0	2.5	3.5	
Pro' Code	CCEA6515N	CCEA6520N	CCEA6525N	CCEA6535N	

Milling Abutment [Hex]



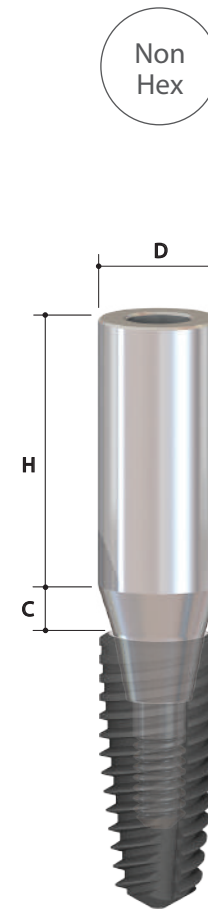
Hex

Torque : 30Ncm

	Diameter (Ø)	4.5	5.5		6.5
	Collar (mm)	1.0	1.5		3.5
Pro' Code	MA4510-21	MA5515-21	MA6535-21	*Screw AS16-21	

	Diameter (Ø)	4.5	5.5		6.5
	Collar (mm)	2.0	2.5		3.0
Pro' Code	CMA45	CMA55	CMA65	*Screw AS20-25	

Milling Abutment [Non-Hex]



Non Hex

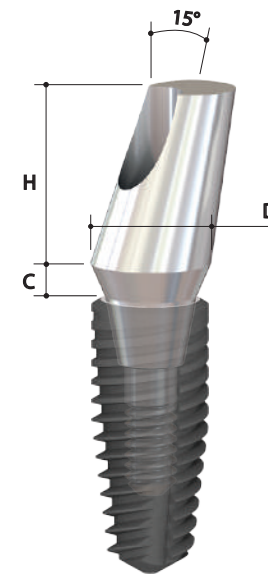
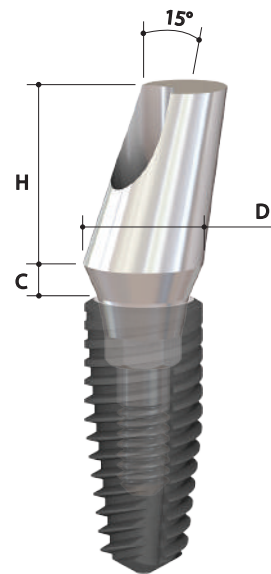
Torque : 30Ncm

	Diameter (Ø)	4.5	5.5		6.5
	Collar (mm)	1.0	1.5		3.5
Pro' Code	MA4510N-21	MA5515N-21	MA6535N-21	*Screw AS16-21	

	Diameter (Ø)	4.5	5.5		6.5
	Collar (mm)	2.0	2.5		3.0
Pro' Code	CMA45N	CMA55N	CMA65N	*Screw AS20-25	

15° Angled Abutment [Hex]

15° Angled Abutment [Non-Hex]



Torque : 30Ncm

Torque : 30Ncm

2.1 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA451515-21	AA452515-21	AA453515-21	AA454515-21	

2.1 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA451515N-21	AA452515N-21	AA453515N-21	AA454515N-21	

2.1 Hex

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA551515-21	AA552515-21	AA553515-21	AA554515-21	

2.1 Non

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA551515N-21	AA552515N-21	AA553515N-21	AA554515N-21	

2.5 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA451515	CAA452515	CAA453515	CAA454515	

2.5 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA451515N	CAA452515N	CAA453515N	CAA454515N	

2.5 Hex

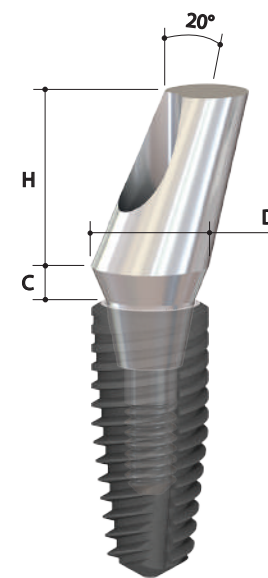
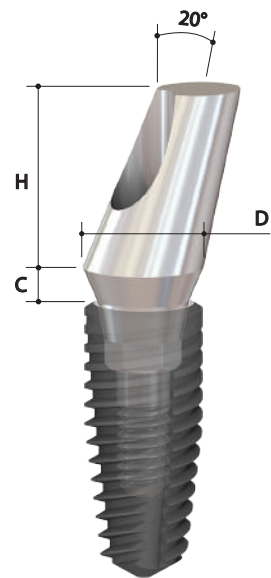
Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA551515	CAA552515	CAA553515	CAA554515	

2.5 Non

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA551515N	CAA552515N	CAA553515N	CAA554515N	

20° Angled Abutment [Hex]

20° Angled Abutment [Non-Hex]



Torque : 30Ncm

Torque : 30Ncm

2.1 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA451520-21	AA452520-21	AA453520-21	AA454520-21	

2.1 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA451520N-21	AA452520N-21	AA453520N-21	AA454520N-21	

2.1 Hex

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA551520-21	AA552520-21	AA553520-21	AA554520-21	

2.1 Non

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS16-21
Pro' Code	AA551520N-21	AA552520N-21	AA553520N-21	AA554520N-21	

2.5 Hex

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA451520	CAA452520	CAA453520	CAA454520	

2.5 Non

Diameter (Ø)	4.5	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA451520N	CAA452520N	CAA453520N	CAA454520N	

2.5 Hex

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA551520	CAA552520	CAA553520	CAA554520	

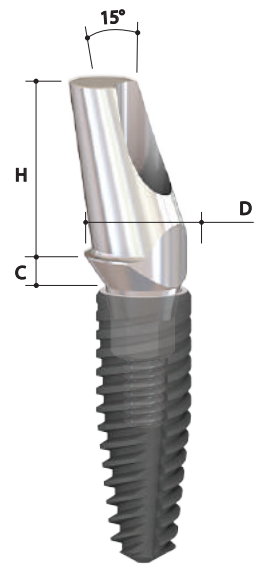
2.5 Non

Diameter (Ø)	5.5	5.5	5.5	5.5	*Screw
Collar (mm)	1.5	2.5	3.5	4.5	AS20-25
Pro' Code	CAA551520N	CAA552520N	CAA553520N	CAA554520N	

15° Angled Abutment Easy [Hex]



2.1 Hex				
Diameter (Ø)	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	AS16-21
Pro' Code	AA451515W-21	AA452515W-21	AA453515W-21	

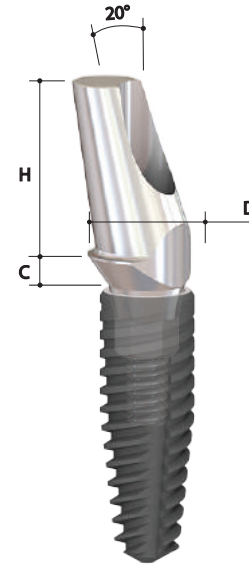


Torque : 30Ncm

20° Angled Abutment Easy [Hex]

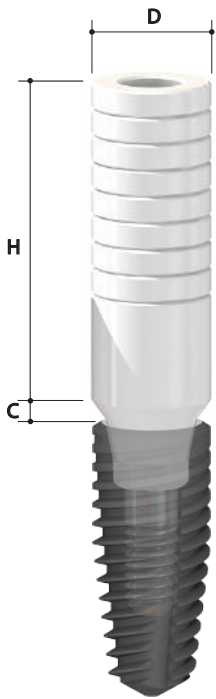


2.1 Hex				
Diameter (Ø)	4.5	4.5	4.5	*Screw
Collar (mm)	1.5	2.5	3.5	AS16-21
Pro' Code	AA451520W-21	AA452520W-21	AA453520W-21	







Torque : 30Ncm

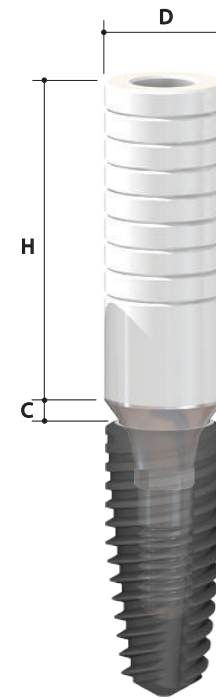
UCLA Abutment



Torque : 30Ncm

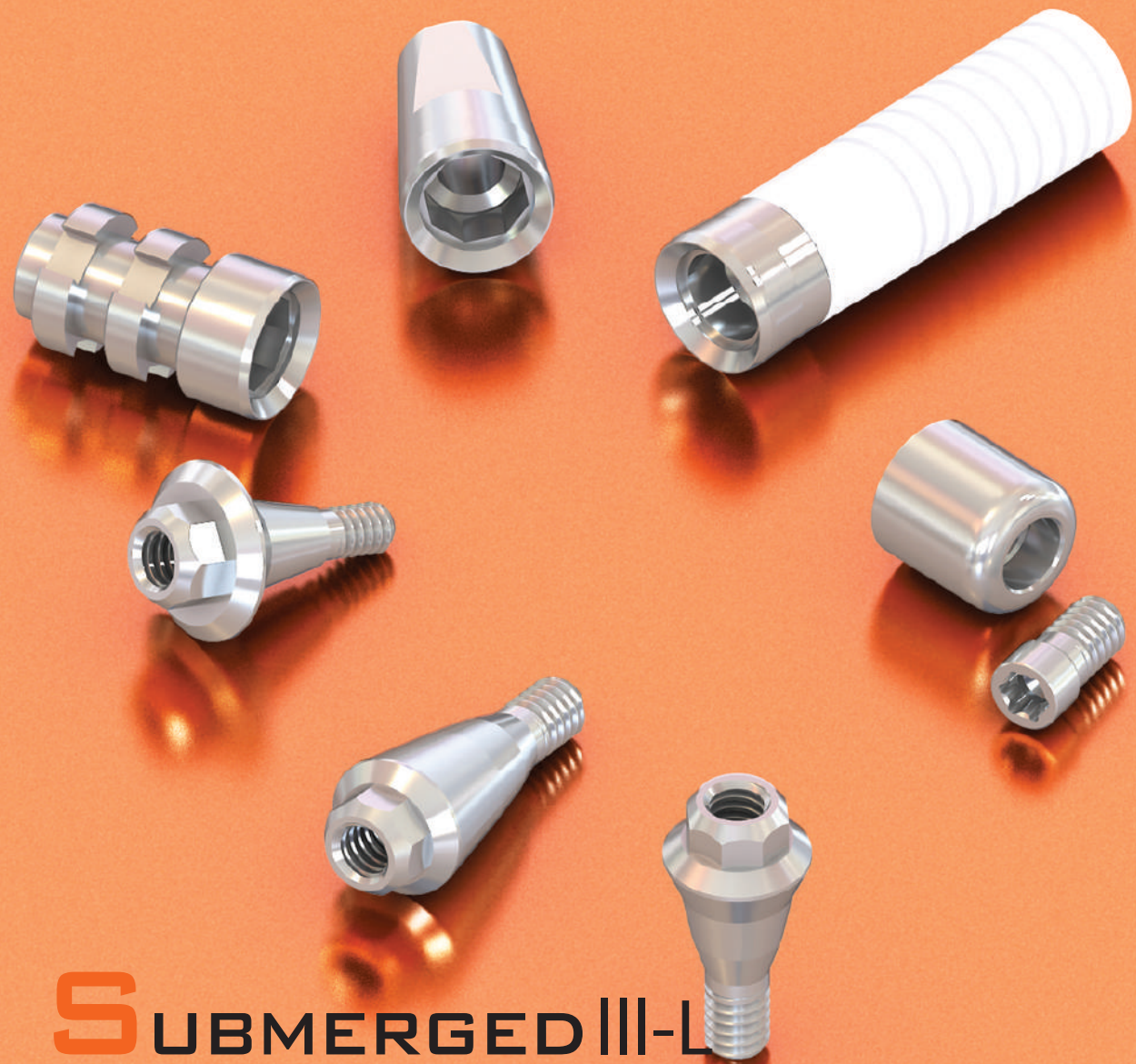
 2.1 Hex	 2.1 Non												
 2.5 Hex	 2.5 Non												
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Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	UA4510-21												
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	UA4510N-21												
<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>CUAPH</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	CUAPH	<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>CUAPN</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	CUAPN
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	CUAPH												
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	CUAPN												
	*Screw AS16-21												
	*Screw AS20-25												

Cr-Co UCLA Abutment



Torque : 30Ncm

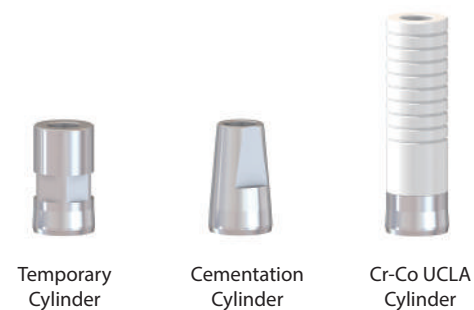
 2.1 Hex	 2.1 Non												
 2.5 Hex	 2.5 Non												
<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>Cr.UA4510-21</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	Cr.UA4510-21	<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>Cr.UA4510N-21</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	Cr.UA4510N-21
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	Cr.UA4510-21												
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	Cr.UA4510N-21												
<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>Cr.CUAPH</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	Cr.CUAPH	<table border="0"> <tr><td>Diameter (Ø)</td><td>4.5</td></tr> <tr><td>Collar (mm)</td><td>1.0</td></tr> <tr><td>Pro' Code</td><td>Cr.CUAPN</td></tr> </table>	Diameter (Ø)	4.5	Collar (mm)	1.0	Pro' Code	Cr.CUAPN
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	Cr.CUAPH												
Diameter (Ø)	4.5												
Collar (mm)	1.0												
Pro' Code	Cr.CUAPN												
	*Screw AS16-21												
	*Screw AS20-25												



SUBMERGED III-L SYSTEM

Abutment
Level
Impression

Flowchart



Temporary Cylinder

Cementation Cylinder

Cr-Co UCLA Cylinder



Octa Abutment Analogue



Impression Coping (Pick-up)

Protector Cap



Octa Abutment

Fixture

Octa Abutment



Torque : 30Ncm

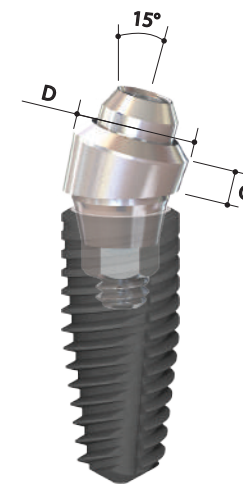
2.1 Non				
Diameter (Ø)	4.5	4.5	4.5	4.5
Collar (mm)	1.5	2.5	3.5	4.5
Pro' Code	OA4515-21	OA4525-21	OA4535-21	OA4545-21

2.1 Non				
Diameter (Ø)	5.5	5.5	5.5	5.5
Collar (mm)	1.5	2.5	3.5	4.5
Pro' Code	OA5515-21	OA5525-21	OA5535-21	OA5545-21

2.5 Non				
Diameter (Ø)	4.5	4.5	4.5	4.5
Collar (mm)	1.5	2.5	3.5	4.5
Pro' Code	COA4515	COA4525	COA4535	COA4545

2.5 Non				
Diameter (Ø)	5.5	5.5	5.5	5.5
Collar (mm)	1.5	2.5	3.5	4.5
Pro' Code	COA5515	COA5525	COA5535	COA5545

15° Octa Angeld Abutment



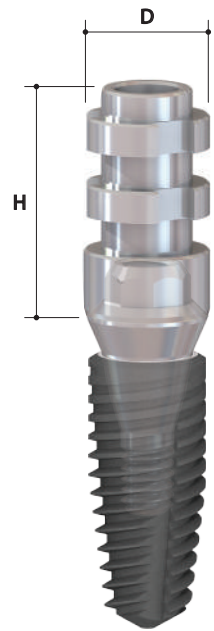
Torque : 30Ncm

2.1 Hex	
Diameter (Ø)	4.5
Collar (mm)	1.5
Pro' Code	OA451515-21

2.5 Hex	
Diameter (Ø)	4.5
Collar (mm)	1.5
Pro' Code	COA451515

Octa Abutment System

Octa Abutment Temporary Cylinder



* Protector Cap

Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	4.7	4.7	COAS
Pro' Code	COP45	COP55	

* Impression Coping

Diameter (Ø)	4.5	5.5	*Coping Pin
Height (mm)	8.5	8.5	COAIPP
Pro' Code	COAIP45	COAIP55	

Diameter (Ø)	4.5	5.5	*Coping Pin
Height (mm)	8.5	8.5	COAIPP
Pro' Code	COAIP45N	COAIP55N	

* Analogue

Diameter (Ø)	4.5	5.5
Length (mm)	14.5	14.5
Pro' Code	COAA45	COAA55



Torque : 20Ncm

Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	8	8	COAS
Pro' Code	COAT45	COAT55	

Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	8	8	COAS
Pro' Code	COAT45N	COAT55N	

Octa Abutment Cementation Cylinder



Torque : 20Ncm

3.0 Oct			
Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	8	8	COAS
Pro' Code	COAC45	COAC55	

3.0 Non			
Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	8	8	COAS
Pro' Code	COAC45N	COAC55N	

Octa Abutment Cr-Co UCLA Cylinder



Torque : 20Ncm

3.0 Oct			
Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	16	16	COAS
Pro' Code	Cr.CO45	Cr.CO455	

3.0 Non			
Diameter (Ø)	4.5	5.5	*Screw
Height (mm)	16	16	COAS
Pro' Code	Cr.CO45N	Cr.CO455N	



SUBMERGED III-L

Overdenture **SYSTEM**

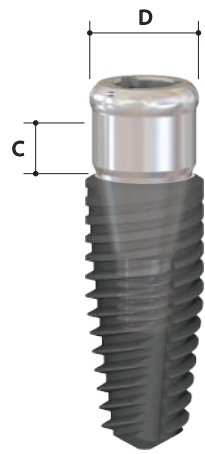
Flowchart



Fixture

Retainer Abutment

Non Hex



Torque : 30Ncm

2.1 Non

Diameter (Ø)	3.9	3.9	3.9	3.9	3.9
Collar (mm)	1	2	3	4	5
Pro' Code	RA3910-21	RA3920-21	RA3930-21	RA3940-21	RA3950-21

2.1 Non

Diameter (Ø)	3.9	3.9	3.9	3.9	3.9
Collar (mm)	6	7	8	9	10
Pro' Code	RA3960-21	RA3970-21	RA3980-21	RA3990-21	RA39100-21

2.5 Non

Diameter (Ø)	3.9	3.9	3.9	3.9	3.9
Collar (mm)	1	2	3	4	5
Pro' Code	CSRA3910	CSRA3920	CSRA3930	CSRA3940	CSRA3950

2.5 Non

Diameter (Ø)	3.9	3.9	3.9	3.9	3.9
Collar (mm)	6	7	8	9	10
Pro' Code	CSRA3960	CSRA3970	CSRA3980	CSRA3990	CSRA39100

Retainer Abutment System



* Retainer Cap



Diameter (Ø)	5.5
Height (mm)	2.4
Pro' Code	CSRC

* Retainer Retention Male


			
Retention Force	0.8 lbs	1.8 lbs	3.1 lbs
Pro' Code	CSRP-Y	CSRP-W	CSRP-B

* Retainer Impression Plastic Male



Pro' Code	NCRBPM
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* Retainer Impression Spacer



Pro' Code	CSRS
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* Retainer Magic Tool

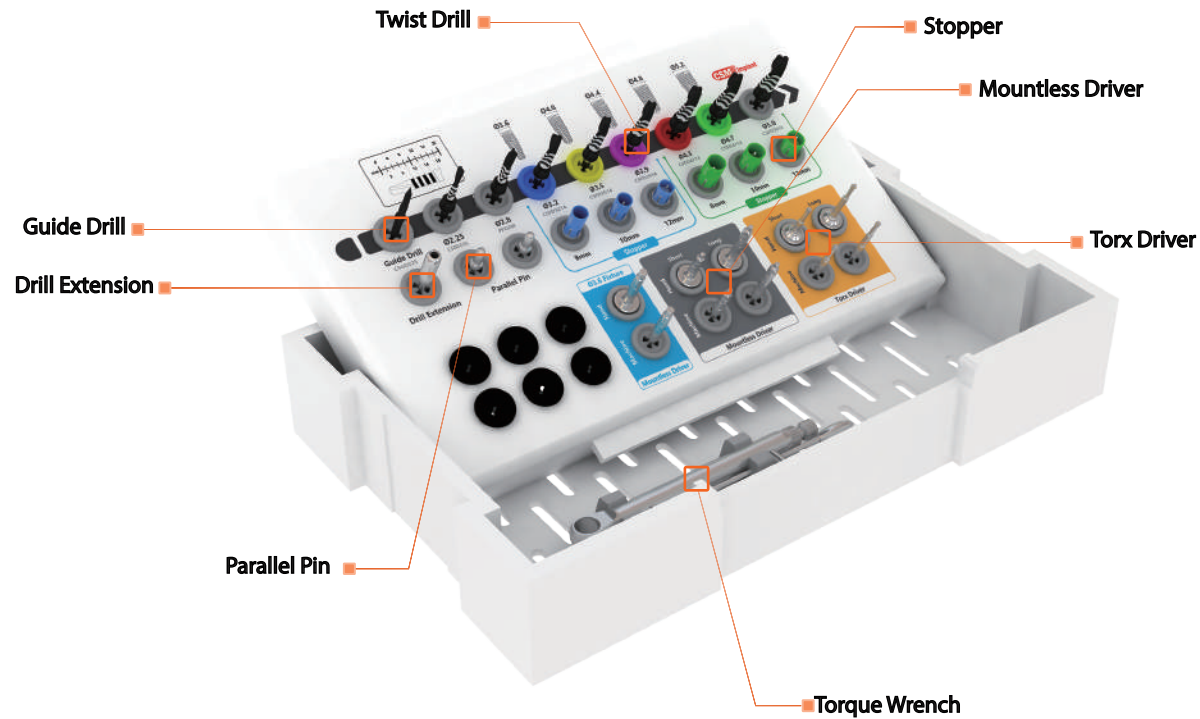


Pro' Code	RDIE
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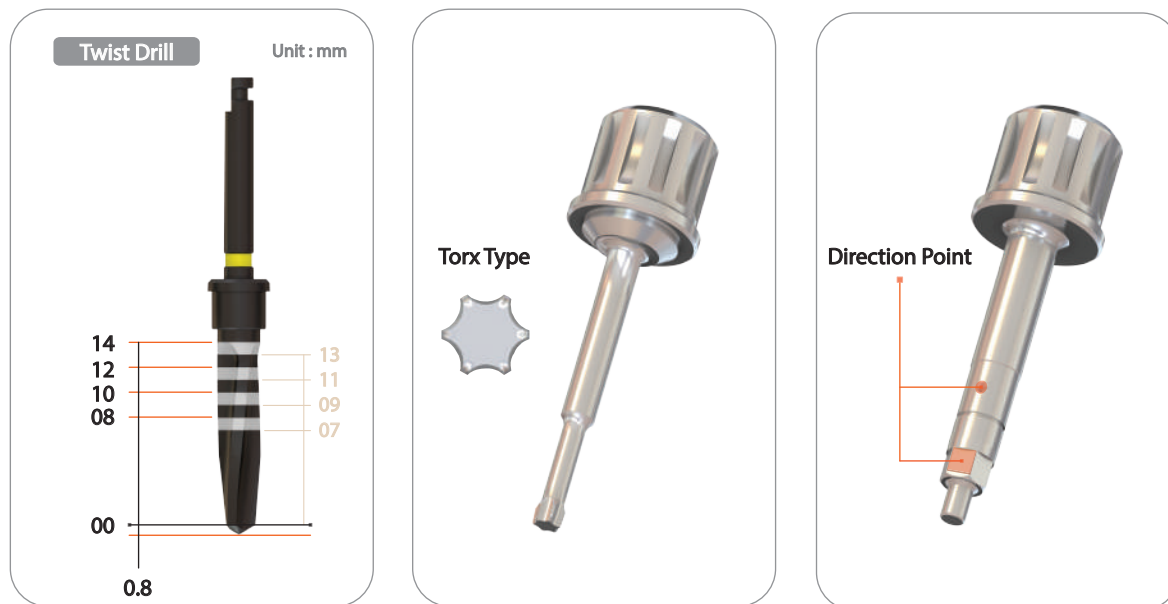
Submerged III-L Surgical KIT



Submerged III KIT Pro' Code : SK3R



Features



Component

No	Part Name	Picture	Diameter (Ø)	Length(mm)	Pro' Code
1	Guide Drill		2.25	34	CSGD225
2	Initial Drill		2.25	36	CSID225
3	Twist Drill		2.8	36	PFD28I
4	Twist Drill		3.2	36	CSFD3214
5	Twist Drill		3.5	36	CSFD3514
6	Twist Drill		3.9	36	CSFD3914
7	Twist Drill		4.3	36	CSFD4314
8	Twist Drill		4.7	36	CSFD4714
9	Twist Drill		5.0	36	CSFD5014
10	Stopper		5.2	10 08 06	SS-08 SS-10 SS-12
11	Stopper		2	10 08 06	SB-08 SB-10 SB-12
12	Drill Extention		Machine	27	CSDE
13	Parallel Pin		Hand	26	CSPP2030
14	Torx Driver		Hand	26	TDH18 TDH13
15	Torx Driver		Machine	26	TDM18 TDM08
16	Mountless Driver (2.1 Double Hex) (2.5 Hex)		Hand	24	MDH14-21 MDH08-25 MDH14-25
17	Mountless Driver (2.1 Double Hex) (2.5 Hex)		Machine	26	MDM14-21 MDM08-25 MDM14-25
18	Torque Wrench		Hand	85	TWI/RWI

Instruction For USE

1. Product Description

The CSM Submerged III -L Implant System includes various one-stage fixtures and two-stage fixtures made of titanium. These implants are inserted into the upper and/or lower jawbone and served as a tooth root replacement providing a stable foundation for restorations.

2. Precautions

Surgical technique for endosseous dental fixture implant requires special and complex procedures. Formal training for fixture placement is recommended.

Important : Determine local anatomy and suitability of the available bone for fixture placement. Thorough screening of prospective fixture must be performed. Panoramic and periapical radiograph for visual inspection are essential to determine anatomical landmarks, occlusal condition, periodontal status and adequacy of bone. Lateral cephalometric radiographs, computerized axial tomography and tomogram could be instructive. Appropriate radiography, direct palpation and visual inspection of the fixture site are necessary for planning or treatment prior to use fixtures.

3. Directions for use

The surgical procedure should be done under aseptic condition with specially designed sterile surgical instruments. The sterilized implants have to be delivered precisely from package to preparation site. An electrical surgical drilling system with internal or external irrigation is recommended. Prescribed drilling sequences (Guide drill – Pre-final drill - Final drill) or combination of surgical tools with 70Ncm torque power should be followed to make a hole in the jawbone and to place a fixture. In case of Hard Bone(D1) please use CSM D1 Drill or the drill of next diameter. Parallel Pin is used for measuring the direction and the depth of the hole. Fixture in the ampul should be placed up by using Mountless Driver and be planted into the bone. Handpiece or Ratchet Wrench is usable to plant. Insertion depth of CSM fixture shall be 0.2mm below than the bone level. When the fixture is fully seated, carefully remove Mountless Driver and place Cover Screw or Healing Abutment on the fixture. Then close tissue flap and suture it. The healing period will be 45~90days for lower jaw, 90~180days for upper jaw. (Don't lost balance in drilling work during operation)

4. Usage and Storage

- This product is disposable.
- It should not be reused.
- All the product package should be stored at low humidity and room temperature condition

5. Caution

- Surgical Complications : Implant procedure has risks such as localized swelling, dehiscence, temporary pain, edema, hematoma or bleeding. Numbness of the lower lip and jaw after mandible surgery and tissue beside the nose after maxilla surgery is a possible side-effect. It is a temporary nature, though the numbness lasts permanently very rarely. Gingival-mucosal (gum tissue) ulceration, tissue reaction, or infection may occur but it generally responds to local care.
- After the procedure of implant treatment could be found swollenness of a specific part, rupture, temporary palpate sensitiveness, an edema, hematoma, bleeding.
- Insensibility of lower jaw and lip, some side effects relating around the nose from maxillary sinus treatment may occur that is mostly temporary but rarely permanent paralysis could appear.
- Contraindications : Fixture should not be placed in case where the remaining jaw bone is too diminished to provide adequate width and height to surround the implant. Lack of osseointegration or subsequent implant failure may occur in cases insufficient bone available, poor bone quality, poor oral hygiene, heavy smoking, or under medical conditions such as blood disorders, infected HIV virus or uncontrolled diabetes.
- Warnings (Warnings for possible side effects from the usage of medical devices) : As fixture surgery and dental restoration involve complex surgical procedures, for safe and effective use of fixtures, specialized training is strongly suggested. Improper patient selection and technique can cause the fixture failure and/or loss of supporting bone. Wobble of fixture, bone loss, or chronic infection may cause fixture failure. If the fixture becomes contaminated by the patient's body fluids in any way, the fixture cannot be used in other patient. Do not splint or bridge with natural tooth. Excessive force on the fixture will cause metal fatigue and can cause fixture fracture. Single stand or by fixtures are recommended.
- Interaction : Dental fixtures are designed only for its use and must not be altered and converted in any way. The use of electro-surgical or laser surgical instruments around metallic fixtures and their abutments is not recommended due to the risk of electric shock and/or heat burn.
- Usage for the aged or a pregnant woman : The aged, a pregnant woman, growth phase, an obese patient or a patient who had other case history shall be considered to perform an operation.
- Warnings for application : A surgeon shall be followed instruction of the procedure for high success rate of implant surgery. Advert to not damage on nerves, diagnose concavity on lingual side of the submaxillary bone for preventing perforation of the submaxillary bone. Do not put over torque for preventing bone crack.
- Caution of safety accidents : Take any possible stuffs away as combustibility materials or unsterilization devices from a patient and a surgeon.

■ Suitable location

Use the fixtures as [Ø3.6], [Ø4.0] for incisor(1,2,3) or premolar(4), [Ø4.4], [Ø4.8] for premolar(5) or molar(6,7).

■ Package Check/Management

- CSM Fixtures are sterilized with gamma radiation. If the sterilized package are/were damaged or opened, please do not use the products.
- Do not use the product after the expiry date written on the package.
- Unpacked product by users cannot be returned to the manufacturer or distributor.
- Manufacturer or distributor has no responsibility of any following matters for the products re-sterilized by users.

KIT Case & Instrument Maintenance

1. After operation, Immediately all the tools should be soaked in alcohol and removed bloodstain and any visible debris with a soft bristle brush.

*Before wash and sterilizing the Torque Wrench, Please disassemble the Wrench.

*Caution. Do not use hydrogen peroxide to prevent discoloration of Laser Marking and Coating.

2. The tools should be washed again with distilled water or running water.

3. Dry the tools completely with dry cloth or air.

4. Return the instruments to the appropriate locations in the surgical tray.

5. Sterilize with Autoclave and store the kit at room temperature. (temperature:132°C, duration : 15min, Steam pressure:1.5)

*Notes

The CSM surgical kit has a one year warranty and the maximum usage of the drills is 50 times.

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