

# *Digital Abutment*

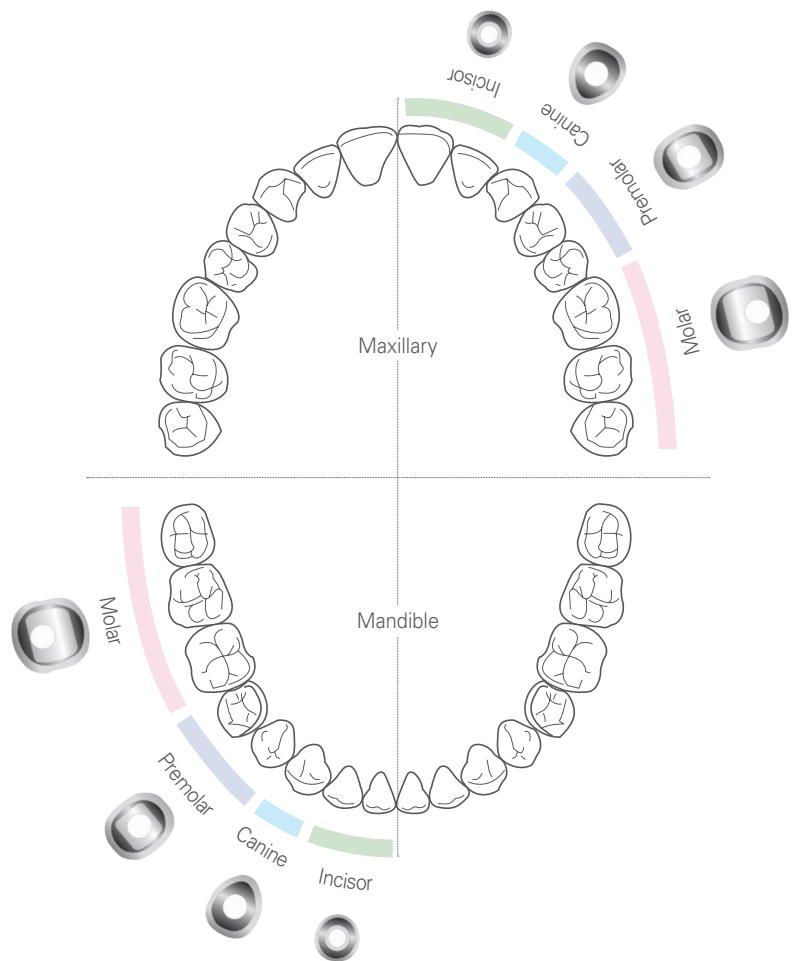


MORE developed than  
the Ready-made Abutments,  
MORE convenient than  
the Customized Abutments!



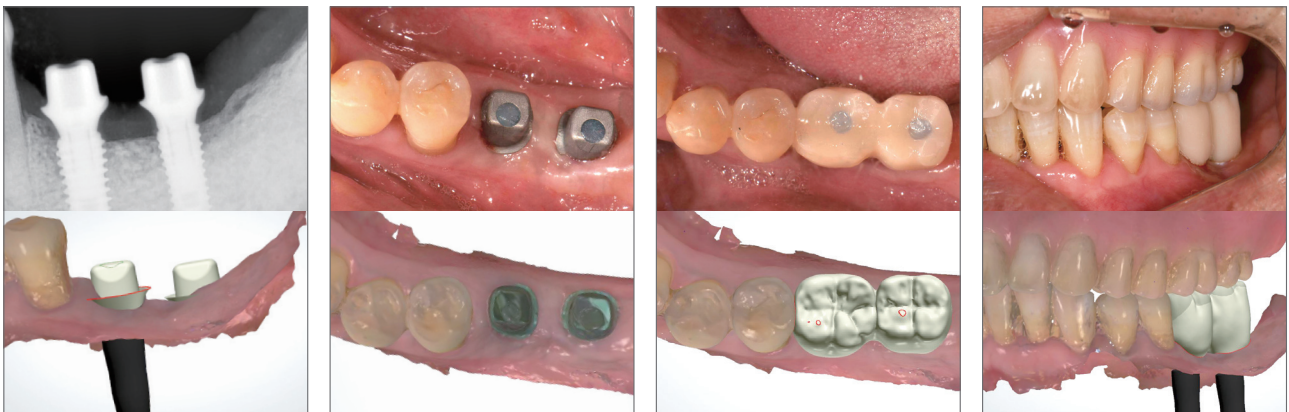
### CEJ Cemento Enamel junction

Digital abutment was created based on the CEJ therefore has excellent esthetic appearance, and is healed more similar to a natural teeth due to its induction to sufficient gingiva adhesion.



## A Clinical Application Example of Digital Abutment

Prosthetic production process using Digital Abutment in DIONavi Surgery



- An Abutment optimized for Immediate Loading during Flapless Surgery
- Modification possible during immediate loading even if the height of gingiva changes
- The convenience of not needing to detach the abutment up to the Final prosthetic placement after the Implant Surgery
- The possibility of Double Crown Technique in the case of Full mouth Flapless Surgery, within the range of errors

## Scan Adapter Function

## Marking

<b>L25</b> · <b>L</b> Lower Incisor	2 Cuff Height	5 Post Height
<b>U25</b> · <b>U</b> Upper Incisor	2 Cuff Height	5 Post Height
<b>C25</b> · <b>C</b> Canine	2 Cuff Height	5 Post Height
<b>P25</b> · <b>P</b> Pre-Molar	2 Cuff Height	5 Post Height
<b>M25</b> · <b>M</b> Molar	2 Cuff Height	5 Post Height

### Attention

0.5 unit marking exempted in accordance with marketing  
ex) Cuff 2.5 = 2 / Post 5.5 = 5

Protect Cap  
Lock-Groove

Shoulder Margin

## UF(II) Connection



UF(II)  
Connection



UF(II) Narrow  
Connection



**Lower Incisor**



**Upper Incisor**



**Canine**



**Pre-Molar**



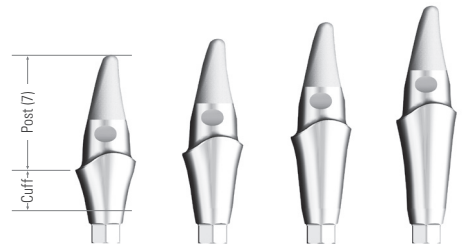
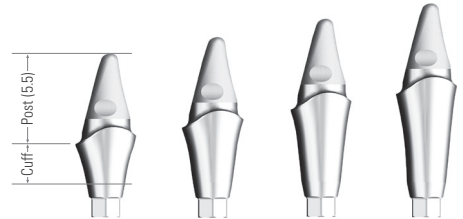
**Molar**

	Lower Incisor	Upper Incisor	Canine	Pre-Molar	Molar
Cross Section					
Cervical Margin Cross Section					
Facial Side	→	→	→	→	→
Connection	UF(II) Narrow	UF(II) Narrow / UF(II)	UF(II)	UF(II)	UF(II)
Cervical Margin Dimension (Mesiodistal x faciolingual)	5 X 5.2	6.1 X 5.7	5.3 X 6.3	5.8 X 6.8	7.3 X 7.8
Ratio (%)	70%	70% / 85%	85%	85%	85%

## Lower Incisor

### UF(II) Narrow Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DLN 2555H	2.5	5.5	L25
2	DLN 3555H	3.5		L35
3	DLN 4555H	4.5		L45
4	DLN 5555H	5.5		L55
5	DLN 2570H	2.5	7.0	L27
6	DLN 3570H	3.5		L37
7	DLN 4570H	4.5		L47
8	DLN 5570H	5.5		L57



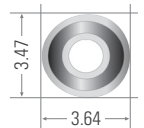
### UF(II) Narrow Protect Cap

No.	Code	Post
9	DCLN 55	5.5
10	DCLN 70	7.0



### UF(II) Narrow Screw

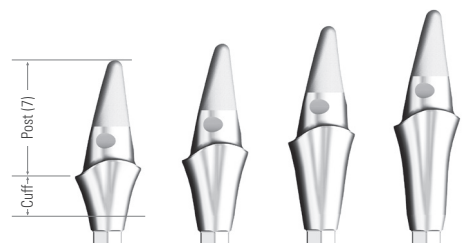
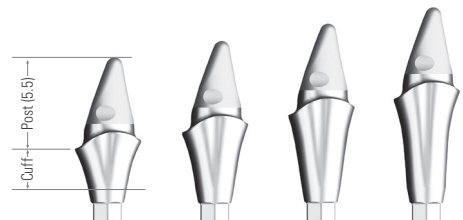
UF(II) Narrow Abutment Screw used  
Tightening torque : 20Ncm  
**Order Code** : UNSAS 1407H



## Upper Incisor

### UF(II) Narrow Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DUN 2555H	2.5	5.5	U25
2	DUN 3555H	3.5		U35
3	DUN 4555H	4.5		U45
4	DUN 5555H	5.5		U55
5	DUN 2570H	2.5	7.0	U27
6	DUN 3570H	3.5		U37
7	DUN 4570H	4.5		U47
8	DUN 5570H	5.5		U57



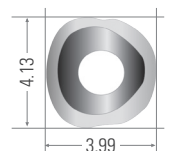
### UF(II) Narrow Protect Cap

No.	Code	Post
9	DCUN 55	5.5
10	DCUN 70	7.0



### UF(II) Narrow Screw

UF(II) Narrow Abutment Screw used  
Tightening torque : 20Ncm  
**Order Code** : UNSAS 1407H

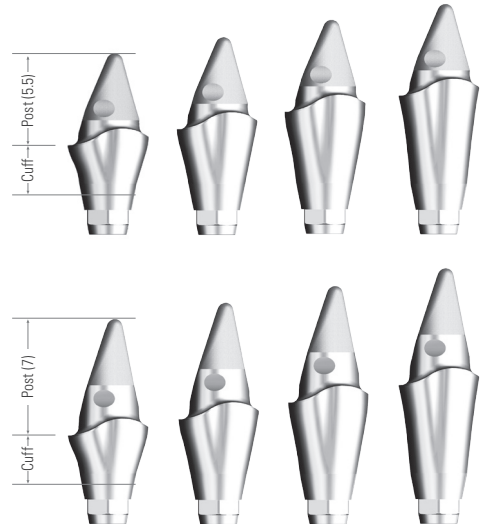


## Upper Incisor



### UF(II) Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DUR 2555H	2.5	5.5	U25
2	DUR 3555H	3.5		U35
3	DUR 4555H	4.5		U45
4	DUR 5555H	5.5		U55
5	DUR 2570H	2.5	7.0	U27
6	DUR 3570H	3.5		U37
7	DUR 4570H	4.5		U47
8	DUR 5570H	5.5		U57



### UF(II) Protect Cap

No.	Code	Post
9	DCUR 55	5.5
10	DCUR 70	7.0

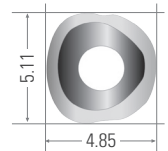


### UF(II) Regular Screw

Tightening torque : 30 ~ 35Ncm

**Order Code** : DASC 2008H

**Caution** This screw is only for Digital Abutment which is not compatible with other screws or abutments.

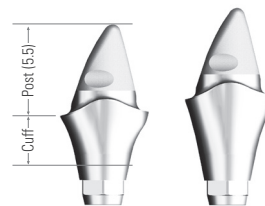


## Canine



### UF(II) Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DCR 2555H	2.5	5.5	C25
2	DCR 3555H	3.5		C35
3	DCR 2570H	2.5	7.0	C45
4	DCR 3570H	3.5		C55



### UF(II) Protect Cap

No.	Code	Post
9	DCCR 55	5.5
10	DCCR 70	7.0

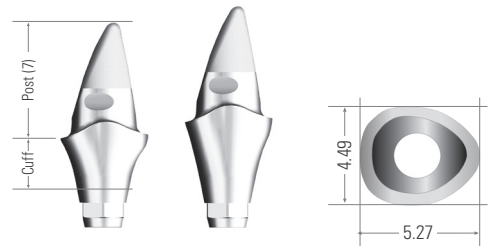


### UF(II) Regular Screw

Tightening torque : 30 ~ 35Ncm

**Order Code** : DASC 2008H

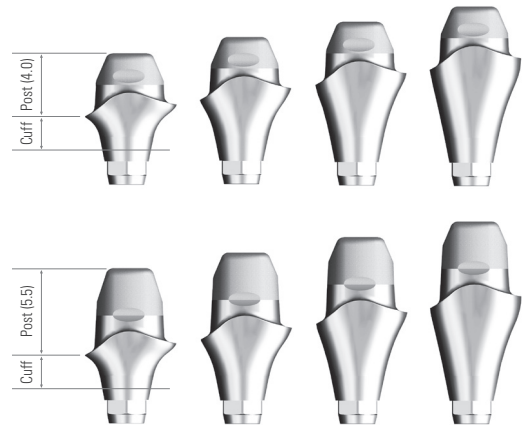
**Caution** This screw is only for Digital Abutment which is not compatible with other screws or abutments.



## Pre-Molar

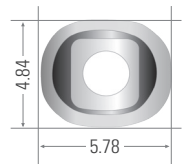
### UF(II) Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DPR 1540H	1.5	4.0	P14
2	DPR 2540H	2.5		P24
3	DPR 3540H	3.5		P34
4	DPR 4540H	4.5		P44
5	DPR 1555H	1.5	5.5	P15
6	DPR 2555H	2.5		P25
7	DPR 3555H	3.5		P35
8	DPR 4555H	4.5		P45



### UF(II) Protect Cap

No.	Code	Post
9	DCPR 40	4.0
10	DCPR 55	5.5



### UF(II) Regular Screw

Tightening torque : 30 ~ 35Ncm

**Order Code** : DASC 2008H

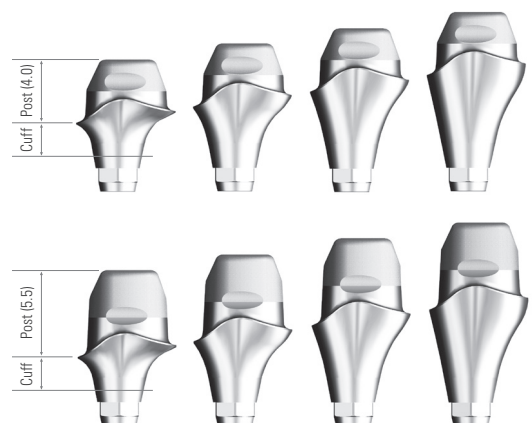
**Caution** This screw is only for Digital Abutment which is not compatible with other screws or abutments.



## Molar

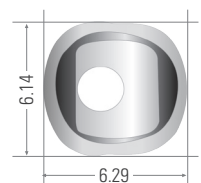
### UF(II) Angled Abutment\_Hex

No.	Code	Cuff	Post	Marking
1	DMR 1540H	1.5	4.0	M14
2	DMR 2540H	2.5		M24
3	DMR 3540H	3.5		M34
4	DMR 4540H	4.5		M44
5	DMR 1555H	1.5	5.5	M15
6	DMR 2555H	2.5		M25
7	DMR 3555H	3.5		M35
8	DMR 4555H	4.5		M45



### UF(II) Protect Cap

No.	Code	Post
9	DCMR 40	4.0
10	DCMR 55	5.5



### UF(II) Regular Screw

Tightening torque : 30 ~ 35Ncm

**Order Code** : DASC 2008H

**Caution** This screw is only for Digital Abutment which is not compatible with other screws or abutments.



## The Advantages of Digital Abutment

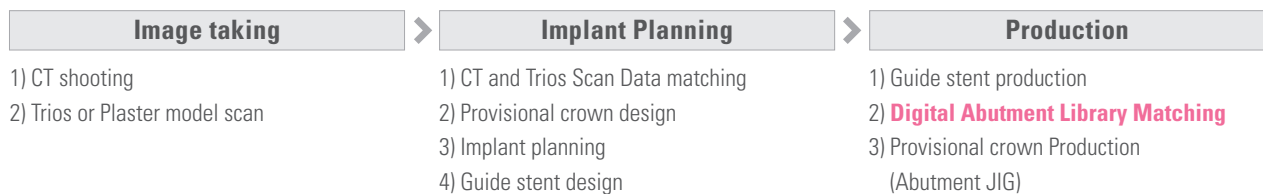


- In the case of Immediate Loading, it is possible to instantly choose the abutment based on the patients' oral environment.
- The prosthetic production time for the Digital Abutment is reduced because it doesn't need to go through the Milling and CAD process due to its data in the Digital Library.
- Taking the Digital Impression is very convenient for the Digital Abutment because it functions as a Scan adaptor and there is no need to take the exact impression up to the margin because its' data is stored in the Digital Library.



## Digital Abutment Workflow

### ○ DIONavi.

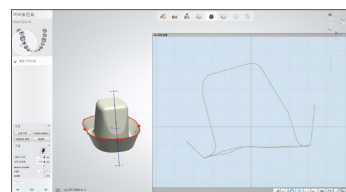
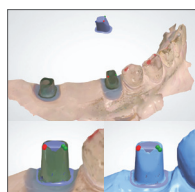


#### TIP

**In the case where the fixture implantation depth does not match the planning depth due to change of operation environment during surgery**

- It is possible to choose the different height cuffs of Digital Abutment.
- The provisional Crown that is custom fitted to the DA can be used as it is even if the cuff changes and it can be modified on the field but if there is too much height difference, it should be remanufactured.
- If not using the Provisional crown, healing can be induced by attaching a protect cap.

### ○ Scanning



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