[AD-IFU-001 (Rev. 8.0) 2022.06

Device description

1) Brand Name : Custom Abutment 2) Device Name : Abutment & Abutment screw Intended for use

Implant, endosseous, superstructure An abutment of the implant, which is inserted to support a prosthesis like an artificial tooth to be used for restoring the patient's masticatory function.

Raw Material

Device	Material
Abutment	Ti-6Al-4V Eli
Abutment Screw	Ti-6Al-4V Eli

trained physicians and licensed people, and into the oral cavity to use disposable products. It shall establish procedures for the accurate examination and treatment planning of oral before use and do not use it if found.

※ How to sterilization

Since this is a non-sterilized medical device, you should sterilize it through autoclave method before use. Standard for the autoclave : autoclave at 121°C, pressure of 1.5 for 30 minutes

(Temperature: 121°C, time: 30 minutes) 4) When finished, take out the product.

How to use [Abutment Design Process] 1) Fabricate model from patient's impression using traditional laboratory techniques. 2) The Model work and appropriate Arum Dentistry scan bodies should be used with Dental CAD/CAM scanner technology to produced digital case model work for implant abutment design. 3) Using dental implant abutment design in consideration of characteristics of the medical device. - If the condition of patient is not software, such as 3Shape Implant Designer, design the implant abutment within the following parameters: All digitally-designed Pre-Mill Blank abutments are intended to be sent to an ARUM Dentistry-validated milling center for manufacture.

Parameter	Min (mm)	10Ø Max (mm)	14Ø Max (mm)
Total Height	6.0 mm	16.0mm	16.0mm
Post Height for Single-Unit Restoration	4.0mm	13.0mm	13.0mm
Angle	0°	30°	30°
Wall Thickness	0.5mm	3.8mm	6.0mm
Diameter	Based on minimum wall thickness	9.9mm	13.9mm
Gingival Height	0.5mm	4.0mm	4.0mm

[Table 1. Abutment Design parameter] ※ Note: Abutment parameters may vary, depending on the size of the abutments. center devices and software are specifically engineered to fit into this digital workflow.

designed. 3) CAM : Use a proven cam process and refer to the following for connector sizes.

loosen counter-clockwise using a torque wrench with the specified torque value, 4-4) cause these problems. Remove the residuals from the connector with the micro motor, which is commonly used I Storage Method Store at room temperature.

Method of use [Precautions prior to use] 1) It should never be used, other than those who in the LAB, and perform the overall polishina. 4-5) Caution: The abutment screw in the IDisposal For disposal, country specific laws and regulations must be observed. hole of the abutment using conventional procedures. Alternatively, if a final crown/ bridge is Instructions for Use to be cemented onto the abutment, conventional procedures should be followed.

Warning - Since product damage and surrounding bone tissue damage can occur. the product should be used only by an experienced clinician. - This product should not be reused and should be applied according to the correct use and purpose. - Defective I Address and Contact 1) Supply power to the auto-clave. 2) Place the product in the autoclave. 3) Set the autoclave. products should not be used. - This product should not handled carefully to prevent production damage and deformation. - If patients suffer from any incident or adverse event with regard to the device, they must report it to the manufacturer, European Authorized Representative and competent authority.

Caution in Use 1) Cautions on the target age, gender, or health status shall be mentioned suitable for operation, the clinician should not use this product. 2) Cautions against adverse events that are likely to be incurred after the use of medical device, or fatal adverse events I Label Symbols

that may be incurred by the careless use, and other accidents shall be mentioned. - Do not use this product for patient with metal allergy. 3) General Cautions - The product should not be used if contaminated by mistake of the operator during operation, - Since all products that are used in the intraoral area are single-use products, they should not be reused. Implant surgery should be reconsidered when patients have contraindication. * A single tooth implant surgery can typically take about one hour from start to finish.

Indication It was designed for dental implant surgery, it is placed on the maxillary or mandibular alveolar bone through a surgical operation to replace the dental root.

Contraindications Contraindications include following, but are not limited to: -Uncontrollable hypertension, diabetes, - Leukemia, hemophilia, thrombopenia, - Patients who have been taking the drugs(osteoporosis) for a long time, - Alcohol dependence. depression, schizophrenia, - Radiation therapy on jaw.

Side Effect

The problem (loss of implant stability, loss of prosthesis, etc.) may occur after implantation, deficient quality and quantity of remaining bone, infection, inferior oral hygiene or uncooperativeness of patient, implant mobility, partial deterioration of tissue, and improper

[Fabrication Process (ARUM Dentistry-validated milling center)] CAD/CAM dental systems position and arrangement of implants can cause instability. Implant operating procedures refers to the software used to both design and mill dental prosthetics, CAD (Computer are dangerous and may cause dehiscence of certain parts, temporary hypersensitivity Aided Design) includes digitally scanning and designing prosthetics, while CAM (Computer reaction, voice disorder, delayed healing, edema, hematoma, gingivitis, and bleeding. Aided Manufacturing) is the process of sending final designed restoration files to the output Insensibility may occur to the lower lip. Jaw parts from the lower jawbone operation device and manufacturing them via milling or 3D printing. ARUM Dentistry-validated milling and parts near the nose from the upper jawbone operation may suffer from side effects.

Most of them may be temporary but permanent paralysis may occur in very rare cases. ▶ Digital process 1) Scan : Attach the scan body to the model. Make sure that it is correctly. This may cause gingival-mucous membrane (gum tissue) ulcer and reacted infection of mounted on the implant(fixtures) and tighten it completely with a screw, 2) CAD : The cellular tissues. However, these are reactions generally from local treatment. Complications Table 1, provided values of the Abutment Parameters MIN/MAX shall be complied with and found in clinical literatures include initial tooth mobility, Infection, failed osseointegration (removal), paralysis, fracture, prosthetic complications, peri-implantitis, bone loss and 4) Machining 4-1) After the abutment design is complete, the machine is processed using gingival recession. After the procedure, some problems (loss of implant fixture, damage of a proven milling machine. 4-2) When fixing the abutment to the machine jig, tighten the prosthesis, etc.) may occur. The quality and quantitative deficiencies of the remaining bones, specified torque value. The D-cut face and the abutment fastening face must be parallel. infection, poor oral hygiene or non- coordination of the patient, movement of the implants, Also, the jig of abutment a side should be 90 degrees. 4-3) Once machining is complete, local tissue degeneration, and the location and arrangement of unsuitable implants can

package is for final restoration and must be delivered to the prosthetic dentist. [Clinical 🔳 Warranty 1) Safety Instructions : Responsibility for proper cleaning, disinfection and it should not be re-used. 2) Check the packaging. 3) Operation shall be carried out in a Procedure? Clinical procedure to be carried out in the dental practice, following delivery of sterilization of products is the sole responsibility of the operator / product user. 2) National clean place, to be so the patient is not contaminated other contaminates during surgery. 4) the restoration from the dental laboratory. 1) Connect the abutment onto the implant. It is regulations including limitations must be carefully followed. 3) All our products are designed recommended the original implant manufacturers prosthetic tooling and torque are applied and manufactured to meet the highest quality demands. 4) The manufacturer of the and systemic conditions of the patient. At this time, there is a need for a consensus among to the screw. For Abutments the abutment should be torqued to recommended torque products excludes any warranty claims and assumes no liability for direct or consequential dental technicians, the surgeon, restorative dentist. 5) It should pay particular attention to value using a driver and Manual Torque Wrench Prosthetic. 2) Once the abutment is inserted damage as a result of: - Misuse - Improper use, application or handling - Improper personal injury due to surgery or heat. 6) Check for damage or discoloration of the product into the implant, its seating verified and the defined torque applied, seal the screw access preparation and sterilization -Improper maintenance and repair - Failure to observe the

% This product is a non-sterile medical device.

* In case of serious accidents, users should inform ARUM DENTISTRY and the authority.

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EC REP

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[Symbol	Description	Symbol	Description
	REF	Catalog Number	ĺ	Consult Instructions for Use
	LOT	Batch Code	$(\underline{2})$	Do Not reuse
	~~~	Date of Manufacture	NON	Non-Sterile
' [	$\triangle$	Caution	EC REP	European Authorized Representative
-	<b>**</b> *	Legal Manufacturer	<b>CE</b> 1370	CE mark

# Instructions For Use (Link Abutment)

# [AD-IFU-002 (Rev. 8.0) 2022.06]

Device description

1) Brand Name : Link Abutment

2) Device Name : Abutment & Abutment screw

#### Intended for use

Implant, endosseous, superstructure An abutment of the implant, which is inserted to support a prosthesis like an artificial tooth to be used for restoring the patient's masticatory function.

#### Raw Material

Device	Material
Abutment	Ti-6Al-4V Eli
Abutment Screw	Ti-6Al-4V Eli

Method of use [Precautions prior to use]

1) It should never be used, other than those who trained physicians and licensed people. and into the oral cavity to use disposable products, it should not be re-used. 2) Check the packaging.

3) Operation shall be carried out in a clean place, to be so the patient is not contaminated other contaminants during surgery.

4) It shall establish procedures for the accurate examination and treatment planning of oral and systemic conditions of the patient. At this time, there is a need for a consensus among dental technicians, the surgeon, restorative dentist.

5) It should pay particular attention to personal injury due to surgery or heat.

6) Check for damage or discoloration of the product before use and do not use it if found. * How to sterilization

Since this is a non-sterilized medical device, you should sterilize it through autoclave method before use. Standard for the autoclave : autoclave at 121 ∕₽` pressure of 1.5 for 30 minutes.

1) Supply power to the auto-clave.

2) Place the product in the autoclave.

3) Set the autoclave. (Temperature: 121°C, time: 30 minutes)

4) When finished, take out the product.

#### How to use

1) When attaching the prosthesis in the patient's mouth after the operator must check the fixture and condition of the patient's teeth with X-ray pictures and percussion reaction, the treatment should be performed.

2) Make a dental technical model based on the impression techniques and fabricate the prosthesis considering occlusion, intensity, and aesthetics.

3) Finish the surgery after installing the prosthesis.

4) Non-sterile conditions, so use the high-pressure steam sterilization treatment (Autoclave1.5atm, 121°C, 30 min), including surgical instruments before mounting in the oral.

5) Abutment Screw is comply with the recommended toraue when signing. 6) It is thoroughly cleaned to eliminate any residual impurities after signing. Do not use other surgical procedure other than for the stated purpose.

## Warning

be used only by an experienced clinician.

purpose.

- Defective products should not be used.
- This product should not handled carefully to prevent production damage and deformation.

- If patients suffer from any incident or adverse event with regard to the device, they 
Storage Method must report it to the manufacturer. European Authorized Representative and competent. Store at room temperature. authority.

Caution in Use

- 1) Cautions on the target age, gender, or health status shall be mentioned in consideration of characteristics of the medical device
- product.
- 2) Cautions against adverse events that are likely to be incurred after the use of medical 2) National regulations including limitations must be carefully followed. device, or fatal adverse events that may be incurred by the careless use, and other accidents 3) All our products are designed and manufactured to meet the highest quality demands.
- shall be mentioned
- Do not use this product for patient with metal allergy.
- 3) General Cautions
- The product should not be used if contaminated by mistake of the operator during Improper use, application or handling operation.

 Since all products that are used in the intraoral area are single-use products, they should not be reused

Implant surgery should be reconsidered when patients have contraindication.

* A single tooth implant surgery can typically take about one hour from start to finish.

#### Indication

It was designed for dental implant surgery, it is placed on the maxillary or mandibular I Address and Contact alveolar bone through a surgical operation to replace the dental root.

### Contraindications

- Contraindications include following, but are not limited to:
- Uncontrollable hypertension, diabetes,
- Leukemia, hemophilia, thrombopenia,
- Patients who have been taking the drugs(osteoporosis) for a long time.
- Alcohol dependence, depression, schizophrenia.
- Radiation therapy on jaw.

### Side Effect

The problem (loss of implant stability, loss of prosthesis, etc.) may occur after implantation, deficient quality and quantity of remaining bone, infection, inferior oral hygiene or uncooperativeness of patient, implant mobility, partial deterioration of tissue, and improper position and arrangement of implants can cause instability. Implant operating procedures are dangerous and may cause dehiscence of certain parts, temporary hypersensitivity reaction, voice disorder, delayed healing, edema, hematoma, gingivitis, and bleeding. Insensibility may occur to the lower lip. Jaw parts from the lower lawbone operation and parts near the nose from the upper jawbone operation may suffer from side effects. Most of them may be temporary but permanent paralysis may occur in very rare cases. This may cause gingival-mucous membrane (gum tissue) ulcer and reacted infection of cellular tissues. However, these are reactions generally from local treatment. Complications found in clinical literatures include initial tooth mobility, Infection, failed osseointegration

(removal), paralysis, fracture, prosthetic complications, peri-implantitis, bone loss and - Since product damage and surrounding bone tissue damage can occur, the product should gingival recession. After the procedure, some problems (loss of implant fixture, damage of prosthesis, etc.) may occur. The quality and quantitative deficiencies of the remaining bones, - This product should not be reused and should be applied according to the correct use and infection, poor oral hygiene or non-coordination of the patient, movement of the implants, local tissue degeneration, and the location and arrangement of unsuitable implants can cause these problems.

Disposal

For disposal, country specific laws and regulations must be observed.

#### Warranty

- If the condition of patient is not suitable for operation, the clinician should not use this 1) Safety Instructions : Responsibility for proper cleaning, disinfection and sterilization of products is the sole responsibility of the operator / product user.

- 4) The manufacturer of the products excludes any warranty claims and assumes no liability for direct or consequential damage as a result of:
- Misuse

- Improper preparation and sterilization

- Improper maintenance and repair

- Failure to observe the Instructions for Use

* This product is a non-sterile medical device.

% In case of serious accidents, users should inform ARUM DENTISTRY and the authority.



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