CASANGELS
中 科 安 齿



DENTAL IMPLANT

casacdental@gmail.com

CASANGELS

中 科 安 齿

CONTENTS

Company Introduction 01-02

Implant Introduction 03-04

Dental Implant 05

Cover Screw 06

Healing Abutment 06

Straight Abutment 07

Angled Abutment 17° 08

Temporary Abutment 08

Abutment Screw 08

Multi-angle Straight Abutment 09

Multi-angle Abutment 09

Multi-angle Abutment Screw 09

Carrier 10

Multi-angle Abutment Protective Cap 10

Prosthetic Screw 10

Ti-base 10

COMPANY INTRODUCTION

Casangels is a professional company dedicated to the R&D, precision manufacturing, and clinical solutions of high-end dental implant systems. We focus on high-precision, high-compatibility implant technologies. Backed by a national-level research platform and a mature medical device industrialization system, we deliver high-quality implants that meet international standards and are better adapted to the bone conditions of patients worldwide.

We are committed to independent technological innovation. With an experienced R&D team and a comprehensive medical materials R&D system, we continuously optimize implant structural design, bioactive surface technology, and precision connection technology. We possess solid core technical capabilities and can independently carry out product upgrades and sustained innovation, contributing to the technological advancement and standardization of the oral implant industry.

Our factory features a Class 10,000 cleanroom production base and micron-level precision production lines, with strict quality control throughout the entire process. From raw material selection and precision machining to surface treatment and finished product inspection, every implant undergoes 17 inspection procedures and 67 performance tests, ensuring controllable precision, good biocompatibility, and excellent long-term stability. All products hold official medical device registration certificates and have been validated through a large number of clinical cases, suitable for both routine and complex implant restorations.

Casangels upholds the core values of professionalism, stability, and efficiency. With strong intelligent manufacturing capabilities and a clinically oriented R&D philosophy, we provide dentists with an easy-to-use, reliable full set of implant restoration systems, and offer patients safe, durable, and cost-effective implant solutions.

Casangels Implant - Design Features

Casangels implants are engineered around the design logic of “precise placement, multi-scenario compatibility". Through structural optimization, they deliver improvements in both clinical efficiency and stability.

Connection & Cutting Design

Conical internal locking structure:

An 11°taper combined with an internal hex lock provides both sealing and anti-rotation performance, along with flexible restoration compatibility, reducing the risk of abutment loosening.

Spiral cutting edge system：

A combination of spiral threads and self-tapping cutting edges enables efficient insertion and achieves better primary stability. It adapts to different bone conditions, from soft to dense bone, and shortens surgical time.

Multi-Form Clinical Adaptability

Customizable diameter / specifications:

Available in two connection types: M-type and R-type, with 5 diameters and 29 specifications, covering complex scenarios such as insufficient bone volume, osteoporosis, and anterior aesthetic zones. (e.g., short implants for vertical bone defects, narrow-diameter implants for the anterior region)



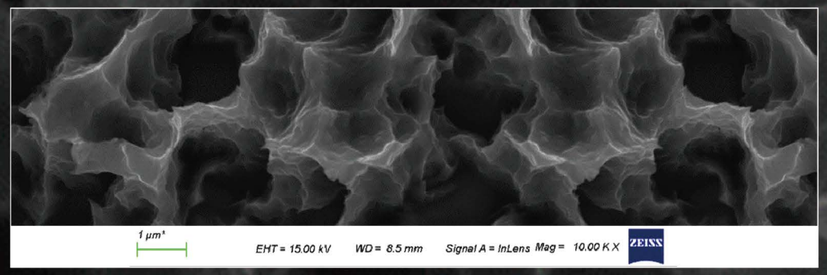
New Generation Patented S.L.A Surface Treatment Technology

PATENT NO.: ZL 201610063596.9

Independently developed Zirconia Sandblasting and Fully Automated Acid Etching Technology

- No aluminum is contained in the entire production and manufacturing process, with ultra-clean and zero residue
- Brand-new acid etching solution formula, safer and more reliable
- Guides osteoblast attachment and growth, accelerating osseointegration
- Improves early biological stability and promotes bone tissue growth

√Ultra-clean surface with zero residue **√Faster and better osseointegration** **√Higher initial stability**



The implant surface layer magnified to 10,000 times

IMPLANT

Unit: mm

M ⌀3.5mm Implant

Length	Catalog No.	Picture
8.5	AM3508	
10.0	AM3510	
11.5	AM3511	
13.0	AM3513	
15.0	AM3515	

R ⌀ 4.0mm Implant

Length	Catalog No.	Picture
7.0	AR4007	
8.5	AR4008	
10.0	AR4010	
11.5	AR4011	
13.0	AR4013	
15.0	AR4015	

R ⌀ 4.5mm Implant

Length	Catalog No.	Picture
7.0	AR4507	
8.5	AR4508	
10.0	AR4510	
11.5	AR4511	
13.0	AR4513	
15.0	AR4515	

R ⌀ 5.0mm Implant

Length	Catalog No.	Picture
7.0	AR5007	
8.5	AR5008	
10.0	AR5010	
11.5	AR5011	
13.0	AR5013	
15.0	AR5015	

R ⌀ 5.5mm Implant

Length	Catalog No.	Picture
7.0	AR5507	
8.5	AR5508	
10.0	AR5510	
11.5	AR5511	
13.0	AR5513	
15.0	AR5515	

RESTORATION COMPONENTS

Unit: mm

Cover Screw

Connection Type	Gingival Height	Catalog No.	Picture
M	0.4	ACS35	 M  R
	2.0	ACS35L	
R	0.4	ACS40	
	2.0	ACS40L	

Healing Abutment

Connection Type	Diameter	Gingival Height	Catalog No.	Picture
M	4.0	3.0	AHA403M	 M
		4.0	AHA404M	
		5.0	AHA405M	
		7.0	AHA407M	
M	4.5	3.0	AHA453M	
		4.0	AHA454M	
		5.0	AHA455M	
		7.0	AHA457M	
R	4.0	3.0	AHA403R	 R
		4.0	AHA404R	
		5.0	AHA405R	
		7.0	AHA407R	
R	5.0	3.0	AHA503R	
		4.0	AHA504R	
		5.0	AHA505R	
		7.0	AHA507R	
R	6.0	3.0	AHA603R	
		4.0	AHA604R	
		5.0	AHA605R	
		7.0	AHA607R	
R	7.0	3.0	AHA703R	
		4.0	AHA704R	
		5.0	AHA705R	
		7.0	AHA707R	

RESTORATION COMPONENTS

Unit: mm

Straight Abutment

Connection Type	Diameter	Gingival Height	Catalog No.	Picture
M	4.6	1.0	ATA4611	
		2.0	ATA4621	
		3.0	ATA4631	
		4.0	ATA4641	
		5.0	ATA4651	
R	4.6	1.0	ATA4610	
		2.0	ATA4620	
		3.0	ATA4630	
		4.0	ATA4640	
		5.0	ATA4650	
R	5.0	1.0	ATA5610	
		2.0	ATA5620	
		3.0	ATA5630	
		4.0	ATA5640	
		5.0	ATA5650	
		1.0	ATA5710	
		2.0	ATA5720	
		3.0	ATA5730	
		4.0	ATA5740	
		5.0	ATA5750	
R	6.0	1.0	ATA6610	
		2.0	ATA6620	
		3.0	ATA6630	
		4.0	ATA6640	
		5.0	ATA6650	
		1.0	ATA6710	
		2.0	ATA6720	
		3.0	ATA6730	
		4.0	ATA6740	
		5.0	ATA6750	
R	7.0	1.0	ATA7610	
		2.0	ATA7620	
		3.0	ATA7630	
		4.0	ATA7640	
		5.0	ATA7650	



RESTORATION COMPONENTS

Unit: mm

Angled Abutment 17°

Connection Type	Diameter	Gingival Height	Catalog No.	Picture
M	4.5	2.0	AAA4520MA	 Type A
		2.0	AAA4520MB	
		4.0	AAA4540MA	
		4.0	AAA4540MB	
R	5.0	2.0	AAA5020RA	
		2.0	AAA5020RB	
		4.0	AAA5040RA	
		4.0	AAA5040RB	
R	6.0	2.0	AAA6020RA	 Type B
		2.0	AAA6020RB	
		4.0	AAA6040RA	
		4.0	AAA6040RB	

Temporary Abutment

Connection Type	Diameter	Gingival Height	Catalog No.	Picture
M	4.0	1.0	ATTA4010M	
		3.0	ATTA4030M	
R	4.5	1.0	ATTA4510R	
		3.0	ATTA4530R	

Abutment Screw

Connection Type	Tightening Torque	Catalog No.	Picture
M	20	AABSM	
R	30	AABSR	

RESTORATION COMPONENTS

Unit: mm

Multi-angle Straight Abutment

Connection Type	Diameter	Gingival Height	Tightening Torque	Catalog No.	Picture
M	4.8	1.0	30	AMA5010M	
		2.0	30	AMA5020M	
		3.0	30	AMA5030M	
		4.0	30	AMA5040M	
		5.0	30	AMA5050M	
R	4.8	1.0	30	AMA5010R	
		2.0	30	AMA5020R	
		3.0	30	AMA5030R	
		4.0	30	AMA5040R	
		5.0	30	AMA5050R	

Multi-angle Abutment

Angle	Connection Type	Diameter	Gingival Height	Catalog No.	Picture
17°	M	4.8	2.5	A17MAM4820	
			3.0	A17MAM4830	
			4.0	A17MAM4840	
17°	R	4.8	2.5	A17MAR4820	
			3.0	A17MAR4830	
			4.0	A17MAR4840	
30°	M	4.8	3.5	A30MAM4830	
			4.0	A30MAM4840	
			5.0	A30MAM4850	
30°	R	4.8	3.5	A30MAR4830	
			4.0	A30MAR4840	
			5.0	A30MAR4850	

Multi-angle Abutment Screw

Connection Type	Tightening Torque	Catalog No.	Picture
M	20	AMABSM	
R	30	AMABSR	

RESTORATION COMPONENTS

Unit: mm

Carrier

Connection Type	Catalog No.	Picture
M	AMACM	
R	AMACR	

Multi-angle Abutment Protective Cap

Connection Type	Diameter	Length	Catalog No.	Picture
Compatible Multi-angle Abutment Diameter	4.8	4.6	AMHCR100	

Prosthetic Screw

Tightening Torque	Catalog No.	Picture
15	AMTS200	

Ti-base

Connection Type	Diameter	Length	Catalog No.	Picture
Compatible Multi-angle Abutment Diameter	4.8	12	AMTR100	