Conical Active

Conical connection with internal hexagon

MADE IN ITALY

MaCo DENTAL CARE

Open letter to our partners

For over 30 years we have been shaping the future of implantology

An all-Italian story written with passion, dedication and a relentless pursuit of perfection.

“Changing implantology one smile at a time.”

Scan the QR Code

Esteemed Professionals and Collaborators,

What began as a bold vision in 1993 has become an extraordinary reality, driven by a passion for change and a desire to improve people's lives through healthier and brighter smiles. Reflecting on our past, we see the imprints of our commitment to innovation and quality.

Every smile we've transformed and every patient we have helped regain confidence represent milestones in our journey. However, we are aware that our mission is far from over.

We are tirelessly working to introduce new technologies that will make dental procedures safer, more accessible and more effective.

We want every individual, anywhere in the world, to have access to the best dental care possible. We are committed to building a future where our technology and social commitment go hand in hand. We will never settle, as we believe every success of our present is merely a springboard for new and bold initiatives of tomorrow.

On this journey, you are more than just spectators. You are an integral part of our MaCo family, and together we can achieve the unparalleled. Thank you for your continuous trust. With your support, we will reach new heights and transform the dental industry like never before.

With gratitude and determination,

MaCo INTERNATIONAL

The Company

1993 The Beginning

From a bold idea to the global market: MaCo Dental Care's extraordinary journey began in 1993.

2000 From Trade to Manufacturing

In the heart of Southern Italy, our 6,000 m2 facility is constructed. Here, our dedication to implantology takes shape, crafting cutting-edge dental implants.

2010 First International Branch

Expanding beyond Italian borders, we established our inaugural international branch. This marked the inception of our global expansion, carrying Italian excellence worldwide.

Today The Story Continues

Today, we stand as the bridge between Italian artisanal tradition and technological innovation, crafting dental implants that transform lives.

Over 30 Years of History

From a small dental implant trading company to a renowned leader in the implantology sectorSince our inception, we've consistently aimed for excellence, driven by a passion to transform smiles worldwide.

Our values permeate every aspect of our operation, fostering a culture built on integrity, collaboration, and continual progress. Through these foundational principles, we not only design and manufacture cutting-edge dental implants but also nurture enduring relationships founded on trust and reliability.

Our factory in Buccino (SA) - Italy

Proudly Made in Italy

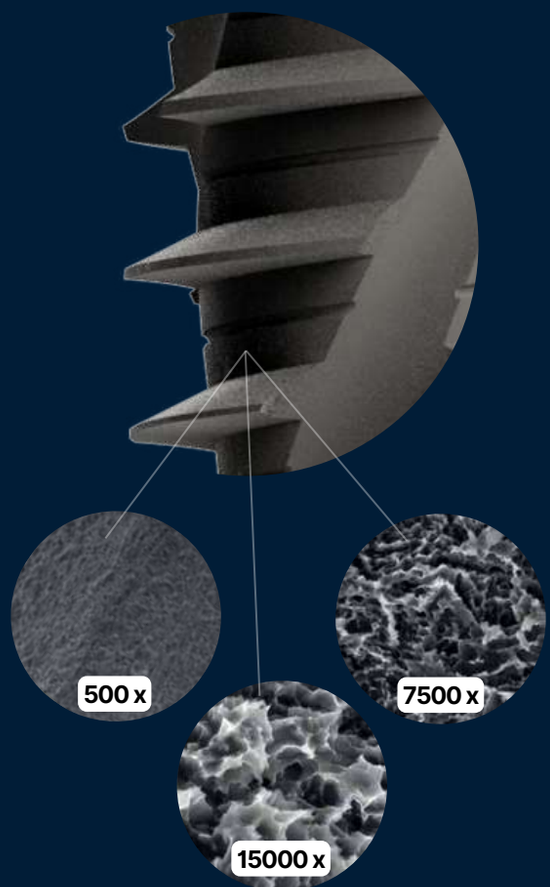
We take immense pride in upholding the Italian tradition in the field of dentistry. We've solidified our reputation as leaders in the dental industry. In every new MaCo Dental Care product lies a purpose: to create cutting-edge solutions that streamline dental practice. This process starts with a continuous dialogue with customers and scientific communities — a dynamic interaction inspiring innovative ideas. Every product, every component, undergoes a series of tests ensuring the precision and reliability that define MaCo Dental Care implants.

MaCo Surface

Our surface technology boasts over **20 years of positive feedback**. Achieved through a combination of sandblasting and etching, it facilitates osseointegration, ensuring a stable and enduring connection between the implant and the surrounding bone.

Advanced Surface for Enhanced Osseointegration

Unlike other surfaces, our solution delivers exceptional performance due to a meticulously designed microtopography, ensuring platelet activation and clot retention at the implant site.



Impeccable Quality

Our **commitment to excellence** is evident in every stage of the production cycle, from conception and manufacturing to efficient distribution.

We operate in compliance with stringent quality control standards, ensured by **CE 0425** certification, and fully aligned with **UNI ISO 13485:2021** regulations.

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Global Training Experience

At MaCo Dental Care, we believe that **ongoing education is key to success** in the field of dental implantology. That's why we organize training courses in various countries **worldwide**, bringing the educational experience directly to you.

Led by experienced professors, our courses cover a **broad spectrum of topics**, ranging **from basic implantology to advanced surgical techniques**.

Moreover, we don't just offer theory but also provide the opportunity to put your knowledge into practice through **hands-on practical sessions**.

Professional Growth

Through our courses, you'll have the **opportunity** to meet colleagues and industry professionals, **expanding your network** and learning from the experiences of others.

In each course, we're committed to fostering a **collaborative environment** where you can share knowledge, gain new perspectives, and grow alongside fellow professionals.

Discover the upcoming courses.

Conical Active

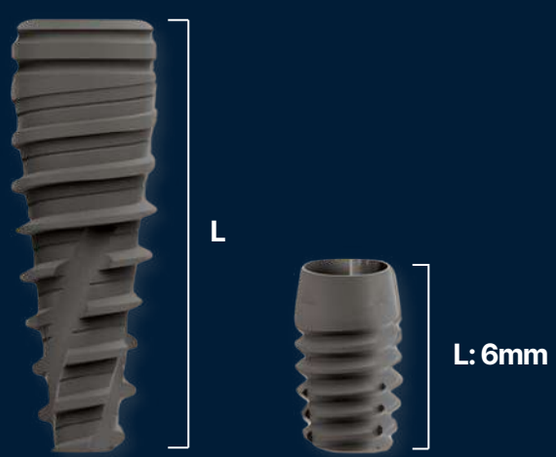
Truncated Cone Implant with 8° Conometric Connection, Fixation Screw, and Anti-Rotational Hexagon.

Conical Active represents the perfect blend of **precision and flexibility** in implant-prosthetic rehabilitation. Its **8° conometric connection with an anti-rotational hexagon** sets new reliability standards, eliminating the perilous bacterial microleakage and offering superior stability in the coronal zone. The aggressive main thread, along with the dual-thread principle, ensures excellent primary stability, even in **D4 bone type**.

The future is Conical

The abutment's **Platform Switching** ensures tissue augmentation, stabilizing the papilla and creating a harmonious smile.

The **Concave Design** facilitates tissue volume increase, leading to the stabilization of the underlying bone and enhancing the length of the papilla between adjacent implants.



Conometric Connection

The conometric connection eliminates traditional issues related to implant rotation, providing superior stability and ensuring a **seamless connection** between the implant and the prosthesis.

Thanks to the **anti-rotational hexagon** at an **8-degree angle**, this connection guarantees a perfect fit, eliminating the risk of **bacterial infiltration**. Its **precision** and **reliability** make it a preferred choice among dental professionals worldwide.

1 - Beveled shoulder:

This feature optimizes retention in crestal bone tissue and conforms more appropriately to bone morphology, reducing the volume of narrow ridges

2 - Square Threads:

They optimize force distribution by converting much of the applied force into compression. This configuration provides more surface area than V-shaped, burr and inverted cantilever threads, promoting more effective osseointegration

3 - Anti-Rotational Groove:

Increases primary stability, the main criterion for success in the immediate loading procedure

4 - Aggressive apical design:

The ideal choice for immediate insertion through the screw-in principle. It ensures excellent stability even in D4 bone type

5 - Thin Apical Threads:

They enhance the efficiency of implant insertion and self-tapping into the bone

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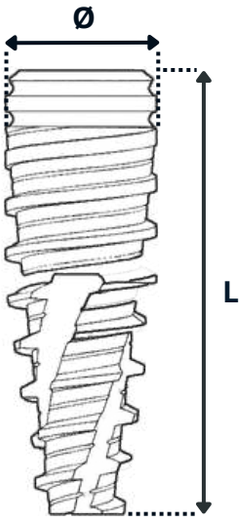
MaCo DENTAL CARE

Implant measures



	L		COD
Ø 3,50	6,0 mm	*Short*	**ICA000**
	8,0 mm		**ICA001**
	10,0 mm		**ICA002**
	11,5 mm		**ICA003**
	13,0 mm		**ICA004**
	16,0 mm		**ICA005**

	L		COD
Ø 3,90	6,0 mm	*Short*	**ICA006**
	8,0 mm		**ICA007**
	10,0 mm		**ICA008**
	11,5 mm		**ICA009**
	13,0 mm		**ICA010**
	16,0 mm		**ICA011**

	L		COD
Ø 4,40	6,0 mm	*Short*	**ICA012**
	8,0 mm		**ICA013**
	10,0 mm		**ICA014**
	11,5 mm		**ICA015**
	13,0 mm		**ICA016**
	16,0 mm		**ICA017**

	L		COD
Ø 5,50	6,0 mm	*Short*	**ICA018**
	8,0 mm		**ICA019**
	10,0 mm		**ICA020**
	11,5 mm		**ICA021**
	13,0 mm		**ICA022**

The 6mm Conical Active implants feature a platform profile ensuring a significant implant-to-bone contact surface, despite their reduced length.

Surgical Protocol

The surgical protocol for Conical Active implants involves the initial use of the pilot drill (LD), followed by height-calibrated drills.

Conical Active implants are self-tapping, requiring bone pre-preparation as they engage with four different bone resistance levels (D1, D2, D3, or D4), commonly known in the field.

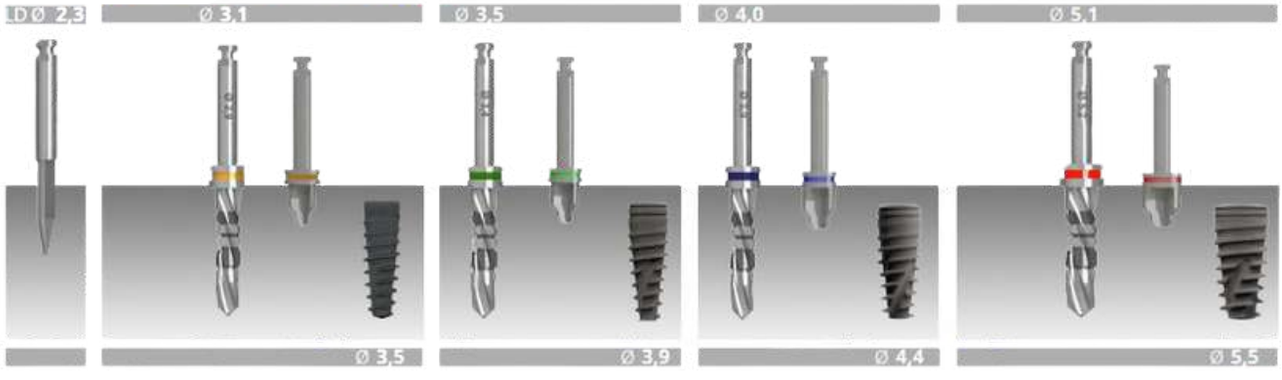
Assessing the cortical bone density is advisable. Specific countersink drills are available for all diameters to prepare the cortical bone adequately.

Upon completion of the drilling phase, the implant can be placed using dedicated implant drivers, directly engaging with the implant. Depending on the case specifics, one can choose between manual drivers (compatible with fixed/dynamic torque ratchets) or motorized drivers, ensuring not to exceed a torque of 50Ncm.

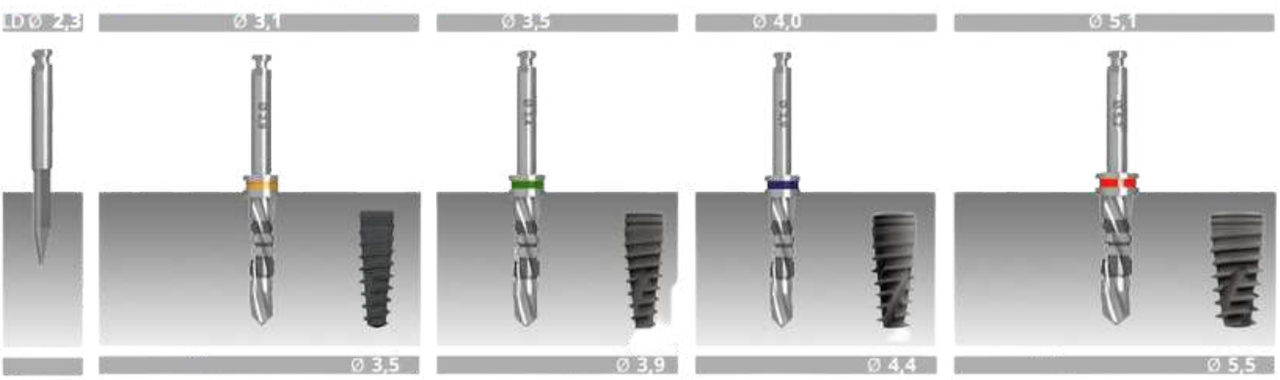
Finally, the implant is closed either with the included healing cap screw or with a separately available transmucosal healing screw.

RECOMMENDED PROTOCOL

TYPE D1 - D2



TYPE D3 - D4



Healing screws

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

ANATOMICAL		
H	COD	
0,7 mm	**VGCA001**	**Ø 4,00**
1,5 mm	**VGCA002**	
3,0 mm	**VGCA004**	
5,0 mm	**VGCA006**	

H	COD	
0,7 mm	**VGCA008**	**Ø 5,00**
1,5 mm	**VGCA009**	
3,0 mm	**VGCA011**	
5,0 mm	**VGCA013**	

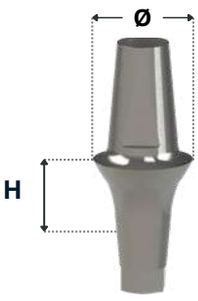
STANDARD		
H	COD	
0,7 mm	**VGCA041**	**Ø 4,00**
1,5 mm	**VGCA042**	
3,0 mm	**VGCA044**	
5,0 mm	**VGCA046**	

H	COD	
0,7 mm	**VGCA048**	**Ø 5,00**
1,5 mm	**VGCA049**	
3,0 mm	**VGCA051**	
5,0 mm	**VGCA053**	

SATURABLE		
H	COD	
4,0 mm	**VGCA021**	**Ø 5,00**
5,0 mm	**VGCA022**	
6,0 mm	**VGCA023**	

Straight abutments

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)



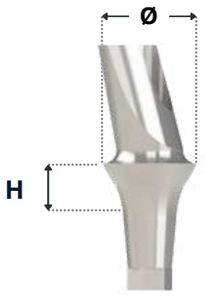
WITH SHOULDER		
H	COD	
0,7 mm	**MDCA001**	**Ø 4,00**
1,5 mm	**MDCA002**	
3,0 mm	**MDCA003**	
5,0 mm	**MDCA004**	

H	COD	
0,7 mm	**MDCA006**	**Ø 5,00**
1,5 mm	**MDCA007**	
3,0 mm	**MDCA008**	
5,0 mm	**MDCA009**	

NO SHOULDER
COD
MDCA022

Angulated abutments

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)



15° WITH SHOULDER		
H	COD	
0,7 mm	MQCA000	Ø 4,00
1,5 mm	MQCA001	
3,0 mm	MQCA003	
5,0 mm	MQCA005	

H	COD	
0,7 mm	MQCA006	Ø 5,00
1,5 mm	MQCA007	
3,0 mm	MQCA009	
5,0 mm	MQCA011	

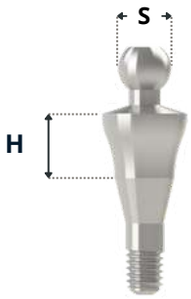
15° NO SHOULDER
COD
MQCA022

25° WITH SHOULDER		
H	COD	
0,7 mm	MVCA000	Ø 5,00
1,5 mm	MVCA001	
3,0 mm	MVCA003	
5,0 mm	MVCA005	

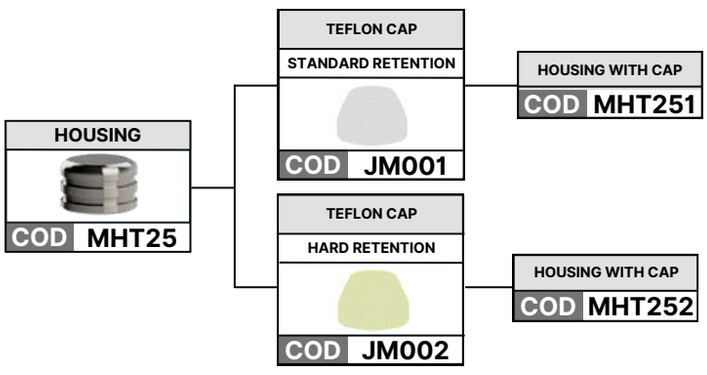
25° NO SHOULDER
COD
MVCA022

Ball abutments

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

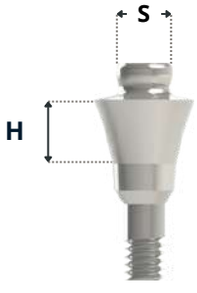


S = 2,5 mm	
H	COD
0,7 mm	MOCA001
1,5 mm	MOCA002
3,0 mm	MOCA003
5,0 mm	MVCA004

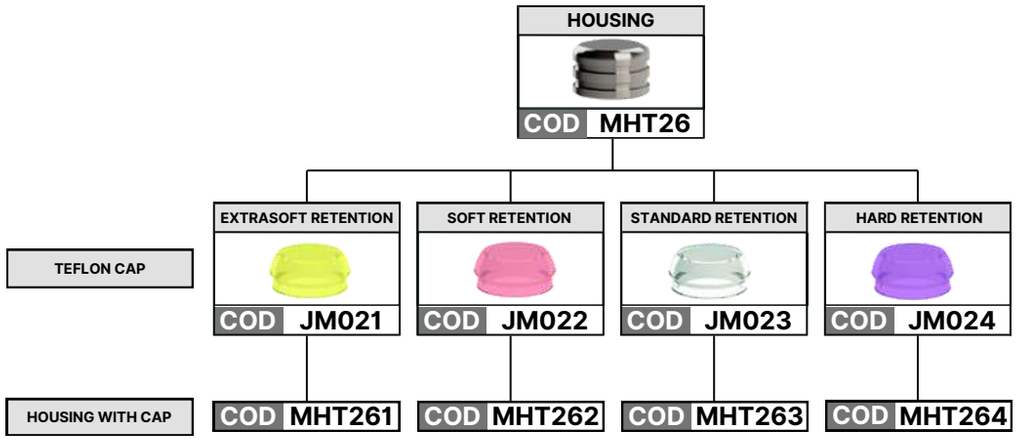


Hemispherical attachment

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)



S = 2,5 mm	
H	COD
1,5 mm	MOCA021
3,0 mm	MOCA022
5,0 mm	MOCA023



Multi-unit abutments (MUA)

STRAIGHT	
H	COD
0,7 mm	**MUCA001**
1,5 mm	**MUCA002**
3,0 mm	**MUCA003**
5,0 mm	**MUCA004**

ANGULATED 17°	
H	COD
2,0 mm	**MUCA172**
3,0 mm	**MUCA173**

ANGULATED 30°	
H	COD
3,0 mm	**MUCA303**
4,0 mm	**MUCA304**

Accessories for multi-unit

Material: TITANIUM Gr. 5 - Ti AL6V4 ELI *(abutment, analog, healing cap, z-base, impression coping, scan abutment)*
POM-C/ACETAL RESIN *(castable)*

TITANIUM TURRET	COD
Standard turret	**MPS001**
Standard slim turret	**MPS002**
Anatomical slim turret	**MPSA002**

PLASTIC ABUTMENT	COD
Rotating	**CMU001**

HEALING CAP	COD
Standard cap	**TPS001**
Anatomical cap	**TPSA001**

Z-BASE ABUTMENT	COD
Z-Base abutment	**ZBMU001**

TRANSFER	COD
Rotating	**TIMU001**

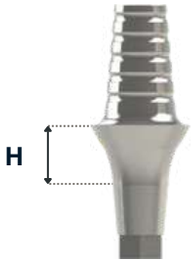
ANALOG	COD
Analog for laboratory	**LMU001**
Analog for digital	**LDMU001**

SCAN ABUTMENT	COD
Rotating	**SAMU001**

GLUING ABUTMENT	COD
Standard abutment	**MIMU001**
Anatomical abutment	**MIMUA001**

Temporary abutments

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)



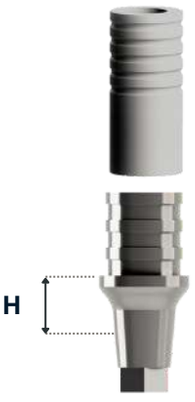
H	COD
1,5 mm	**MTCA001**
3,0 mm	**MTCA003**

Millable abutments

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

COD
MFCA001

Castable with titanium base



Base material: TITANIUM Gr. 5 (Ti AL6V4 ELI)
Castable material: POM-C/ACETAL RESIN

H	COD
1,5 mm	**CBTCA001**
3,0 mm	**CBTCA002**
5,0 mm	**CBTCA003**

Scan abutment

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

TYPE	COD
NOT ROTATING	**SACA001**
ROTATING	**SARCA001**

Z-Base

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

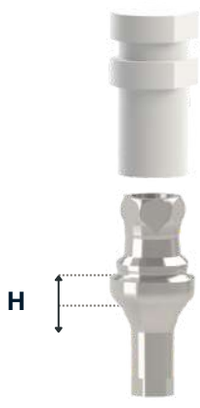
NOT ROTATING	
H	COD
1,5 mm	**ZBCA001**
3,0 mm	**ZBCA002**
5,0 mm	**ZBCA003**

ROTATING	
H	COD
1,5 mm	**ZBRCA001**
3,0 mm	**ZBRCA002**
5,0 mm	**ZBRCA003**

Laboratory components

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

IMPRESSION COPING TRANSFER
COD
TICA001



Base material: TITANIUM Gr. 5 (Ti AL6V4 ELI)
Case material: POM-C/ACETAL RESIN

PULL-OUT TRANSFER	
H	COD
1,5 mm	**TSCA001**
3,0 mm	**TSCA002**
5,0 mm	**TSCA003**

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

ANALOG FOR LABORATORY
COD
LCA001

Material:
TITANIUM Gr. 5 (Ti AL6V4 ELI)

ANALOG FOR DIGITAL
COD
LDCA001

Surgical kit

COD
YCH426-SM

PILOT DRILLS	
FP004	PILOT DRILL Ø 2,3 mm
DRILLS	
FIN035	DRILL Ø 3,1 mm
FIN036	DRILL Ø 3,5 mm
FIN037	DRILL Ø 4,0 mm
FIN038	DRILL Ø 5,1 mm
THREADING TAPS	
MADCA001	THREADING TAP Ø 3,5 mm
MADCA002	THREADING TAP Ø 3,9 mm
MADCA003	THREADING TAP Ø 4,4 mm
MADCA004	THREADING TAP Ø 5,5 mm
KD004	DYNAMOMETRIC WRENCH 10-45 Ncm

EMCA001	ABUTMENT REMOVAL TOOL
DA022	KEY FOR MULTI-UNIT ABUTMENTS
HEX TIP SCREWDRIVERS	
DCS012	SHORT SCREWDRIVER FOR HANDPIECE
DDS012	SHORT SCREWDRIVER FOR WRENCH
DDL012	LONG SCREWDRIVER FOR WRENCH
IMPLANT DRIVERS	
DCS011	SHORT DRIVER FOR HANDPIECE
DDS011	SHORT DRIVER FOR WRENCH
DDL011	LONG SCREWDRIVER FOR WRENCH
FPR001	HANDPIECE EXTENDER

DRILLS STOP FOR Ø 2,4 - Ø 2,9 - Ø 3,4	
FST021	6,0 mm DRILL STOP
FST022	8,0 mm DRILL STOP
FST023	10,0 mm DRILL STOP
FST024	11,5 mm DRILL STOP
FST025	13,0 mm DRILL STOP
DRILLS STOP FOR Ø 3,9 - Ø 4,7 - Ø 5,2	
FST026	6,0 mm DRILL STOP
FST027	8,0 mm DRILL STOP
FST028	10,0 mm DRILL STOP
FST029	11,5 mm DRILL STOP
FST030	13,0 mm DRILL STOP

Guided surgery kit

COD
YCH426-CA

FMU004	MUCOTOME
FCS010	COUNTERSINK
FPS003	SHORT PILOT DRILL
FPS004	LONG PILOT DRILL
FPR001	HANDPIECE EXTENDER
FCG2806 - FCG2813	5 FINAL DRILLS Ø 2,8 mm
FCG3206 - FCG3213	5 FINAL DRILLS Ø 3,2 mm
FCG3606 - FCG3613	5 FINAL DRILLS Ø 3,6 mm
FCG4006 - FCG4013	5 FINAL DRILLS Ø 4,0 mm
FPP001	DRILL FOR ANCHOR PIN
PPIN001	3 ANCHOR PIN FOR GUIDE
KD004	DYNAMOMETRIC WRENCH 10-45 Ncm
DA022	KEY FOR MULTI-UNIT ABUTMENTS
DDCG011	IMPLANT DRIVER FOR WRENCH
DCCG011	IMPLANT DRIVER FOR HANDPIECE
EMCA001	ABUTMENT REMOVAL TOOL
DDS012	SHORT SCREWDRIVER FOR WRENCH

Italy - Poland - Spain - Portugal - Iran - Azerbaijan - Algeria - Mexico - Guatemala - Colombia - Peru - Bolivia - Argentina - Armenia - Nicaragua - Iraq - Syria - Albania - Morocco

MACO INTERNATIONAL

CERTIFIED IQNet QUALITY SYSTEM

ICIM

CE 0425

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