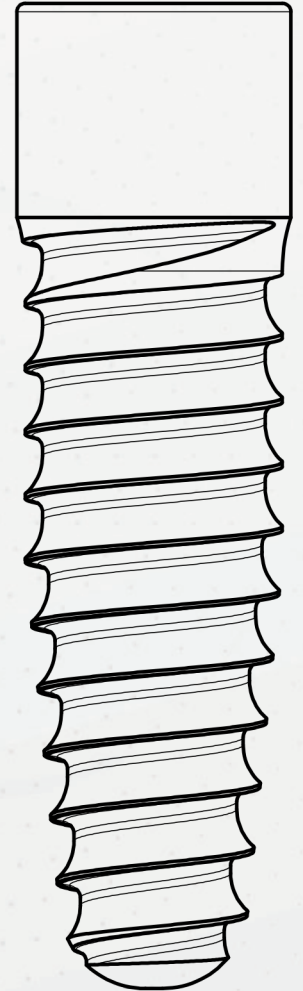


**Di**<sup>∅</sup>**TRE**  
IMPLANT PLATFORM **∅3.0**





## **YOUR IMPLANT MADE IN ITALY**

IDC® - Implant & Dental Company comes from the experience in the dental industry and precision mechanics and is a synthesis of experiences of dentists, industry experts in the field of 'implant dentistry and the dental sector.

IDC® studies, designs and markets dental implants rooted in tradition but with components and innovative designs that allow you to meet the latest demands of both the professional and the patient.

The unique design of the prosthetic implant systems HELI® - FINE® - LUCID® - SPEEDHEX® - ZIGOPLUS® are the result of research and innovative solutions in collaboration with research institutes and with opinion leaders of national and international level, to keep this constantly in the vanguard technology.

The search for quality, both in production and in the organization and the services provided, is a strategic choice of the company, as well as key factor in its success. Daily checks are carried out on the direct and rigorous 100% of semi-finished products at the end of each stage of the production process, using sophisticated equipment, precision optics. To ensure this high level of quality, every product has undergone extensive testing and verification processes using both internal and external. The company maintains the highest quality standards in all aspects of our operations from research and development, procurement of raw materials, manufacture, storage and delivery of the product, the sales consultants and customer service.

With the program IDC Academy® also intend to be close to the physician and the patient in every phase of treatment by providing constant advice of our opinion leaders on specific cases.



**IBE**

**Di<sup>Ø</sup>TRE**  
**IMPLANT PLATFORM Ø 3.0**

**SMALL, PRECISE AND LONG LASTING**

DiTRE® the new IDC® implant with 3.0mm diameter was created to be used in limited spaces.

**New treatment options**

Specially designed for replacing single maxillary lateral incisors and central and lateral mandibular incisors.

**Strong conical connection**

The internal conical connection with hex block offers a sealed connection and stable positioning of the abutments.

**Maximum soft tissue volume**

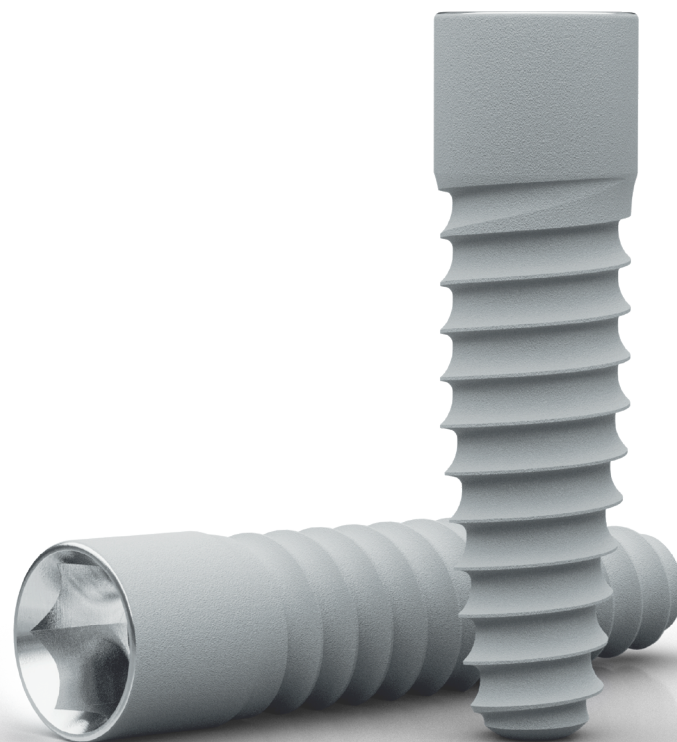
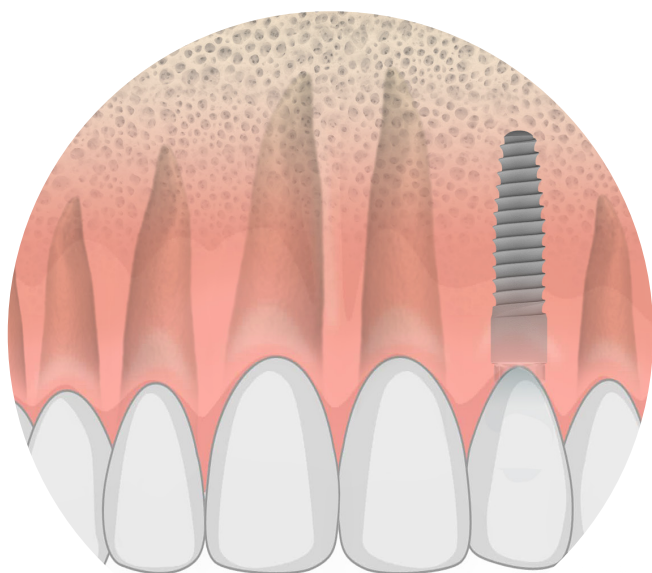
Integrated platform shifting, designed to enhance soft tissue for natural aesthetic results.

**Excellent initial stability, even in the presence of bone compromise**

The expansion of the conical implant body with a double thread design gradually condenses the bone.

**Maximum bone conservation**

The rounded design allows for less trauma in the apex area.



# FEATURES

DITRE® is a conical implant with internal hex and conical connection. The conical connection allows a perfect seal between implant and abutment avoiding micro-movements and complications. Its design allows for easy insertion and to obtain high primary stability, even in very complex clinical situations. DITRE® offers a wide range of abutments to meet the different needs of implant-prosthetic rehabilitation.

## IMPLANT CROWN

### FEATURES

- Reduced pressure along the implant head;
- Micro porous surface up to the implant head;
- Excellent osseointegration capacity (BIC increased by 10%).

### BENEFITS

- Facilitates the increase in bone volume around the head;
- Reduce crestal resorption;
- Optimized load distribution;
- Reduce crestal stress.

## IMPLANT BODY

### FEATURES

- Tapered body;
- Conical core - more pronounced than the coils;
- Osteotome-like condensing body.

### BENEFITS

- Bone condensation;
- Excellent primary stability;
- Easy insertion.

## IMPLANT CONNECTION

### FEATURES

- Conical internal hex connection;
- 60 ° abutment implant connection increased in precision

### BENEFITS

- Perfect implant-abutment connection;
- Simplicity in the prosthetic or prosthetic rehabilitation process.

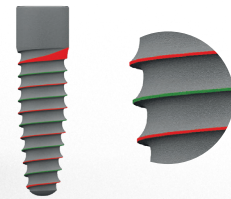
## IMPLANT SPIRES

### FEATURES

- Spire with 0.8mm pitch (2 principles);
- Reverse threads with wide flat leading edges for greater stability;
- Quick and controlled penetration.

### BENEFITS

- It favors the insertion procedure;
- High primary stability in the bone compromise (D4-D5);
- Allows for bone condensation;
- Allows for reduced osteotomy.



## IMPLANT APEX

### FEATURES

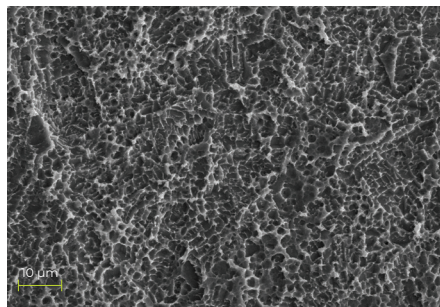
- Effective cutting taper;
- Centering function and gripping tip;
- Extremely narrow apical area (1.7mm);
- Osteocondensing design.

### BENEFITS

- Checks and facilitates insertion;
- Prevents damage to anatomical structures;
- Great on undersized sites.

# HBS SURFACE TREATMENT

**H**YDROPHILIC **B**IOLOGICAL **S**URFACE



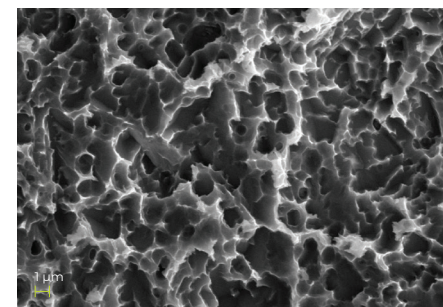
MAGNIFICATION - 3.00 K X  
Electron microscope images of surfaces SLA®

The titanium alloy is known for its excellent tensile strength and its superior biocompatibility.

IDC® uses Titanium Grade 4 to produce all of its implants.

The surface obtained by sandblasting and subsequent acidification (Sa 1.3 μ), it is realized with the aim to significantly increase the contact surface and promote differentiation of osteoblastic cells.

The HBS (Hydrophilic Biological Surface) surface treatment has an average surface roughness Sa of 1.3 μ. This value is in agreement with data from experimental research that indicate greater osteoblastic response on the part of surfaces with such characteristics.



MAGNIFICATION - 10.00 K X  
Electron microscope images of surfaces SLA®

The processing modules provide extensive documentation of its efficacy and long-term stability and is a process that makes the device indicated in standard conditions and in the presence of suboptimal quality or quantity of bone tissue. The surface is made by leading companies in the research and development of implant surfaces.

The HBS surface treatment combine sandblasting and subsequent acidification.

This procedure effectively increases the “increase in percentage area” value that represents the contact surface between the implant and the bone.

# CONICAL CONNECTION

## NEW CONICAL CONNECTION

The new DiTRE® implant has a prosthetic implant connection designed for small size with high strength.

Correct implant-abutment contact is essential for a lasting functional and aesthetic result.

The measured space of the conical connection has an average gap of 0.06 µm and this guarantees the prosthesis the necessary stability for a predictable and optimal result.

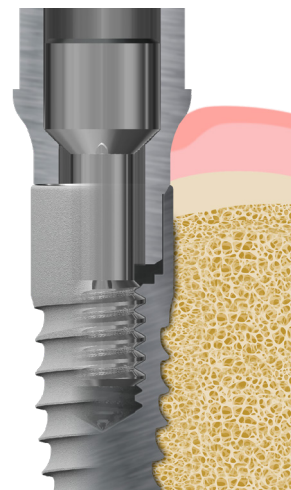
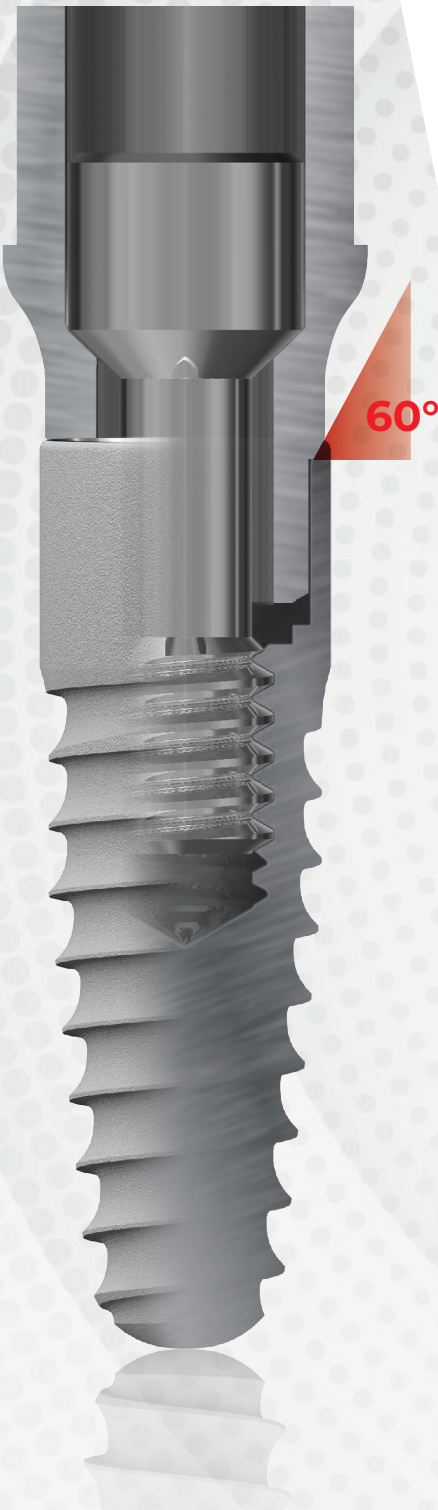
## STRONG PRIMARY STABILITY

The pure Grade 5 Titanium with which the DiTRE® implant is made together with the HBS® surface treatment increases the stability of the implant thanks to rapid osseointegration.

Designed for high initial stability, even in the presence of compromised bone, DiTRE® is an ideal implant for immediate functional loading both in the extraction sockets and in healed sites.

## NATURAL AESTHETIC RESULTS

To offer a natural aesthetic result, the volume of soft tissues is conditioned with the A.S.E.P.® function (Advanced Shape Emergency Profile) and is essential for increasing the volume of soft tissues and obtaining an excellent, absolutely natural aesthetic result.





# IMPLANTS MEASURES

Implants with a narrow diameter (less than 3.5 mm), whose clinical performance has been validated by many studies with follow-up even up to 7 years, allow for the safe and predictable treatment of situations in which traditional diameter implants would increase clinical risk, for example indications with minimal hard tissue and limited space.

Implant Platform		Apex Diameter	Screw Pitch	Length	Implant Diameter	Interface abutment	Interface Bridge
3.0	3.0x10 mm	1.7	2.4	10	3.15	2.9	3.0
	3.0x11.5 mm	1.7	2.4	11.5	3.15	2.9	3.0
	3.0x13 mm	1.7	2.4	13	3.15	2.9	3.0
	3.0x15 mm	1.7	2.4	15	3.15	2.9	3.0

# IMPLANTS CODES

ø3.0x10 mm

ø3.0x11.5 mm

ø3.0x13 mm

ø3.0x15 mm



**H30100**



**H30115**

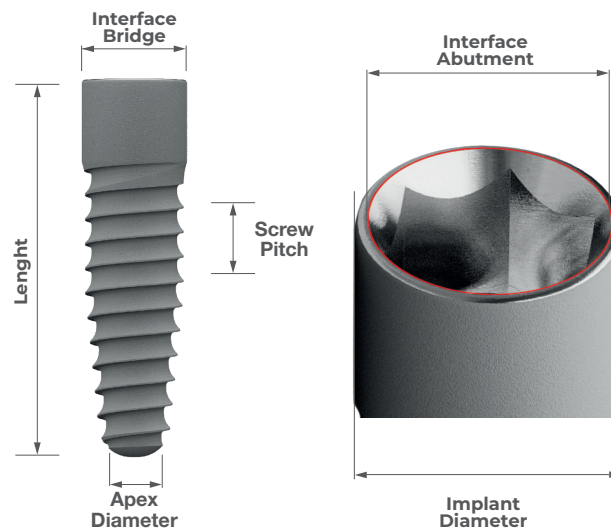


**H30130**



**H30150**

**SCREW CAP**  
1181



# CLINICAL INDICATIONS

The new DITRE® implant is a small diameter implant for narrow interdental spaces and ridges in the anterior region specifically for upper lateral incisors and all lower incisors.

DITRE® collects all the know-how and tradition of IDC® and is a specific implant solution for narrow interdental spaces or ridges: less invasive and truly reliable with a pleasant result. A perfect combination of design, stability and high-level aesthetic solution.

Its new design together with the specifically designed prosthetic components adapt perfectly to the anatomy of the mouth.

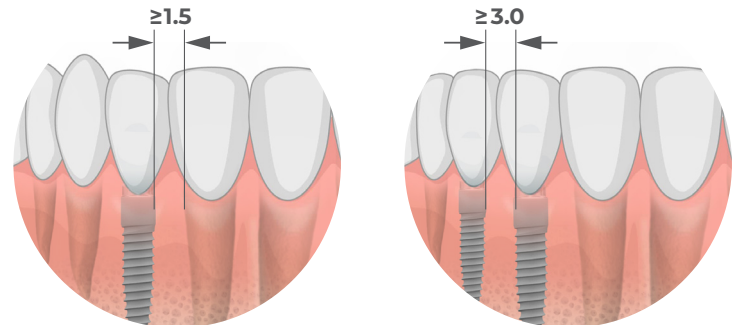
## Position of the mesial distal implant

The availability of mesiodistal bone is an important factor for choosing the type and diameter of the implant, as well as the interimplant distances in the case of multiple implants. The reference point on the implant for measuring mesiodistal distances is always the shoulder which is the most voluminous part of the implant.

The following basic rules must be applied:

**Rule 1** - The distance from the adjacent tooth at the bone level:  
A minimum distance of 1.5 mm from the implant shoulder to the adjacent tooth at the bone level (mesial and distal) is recommended.

**Rule 2** - the distance from adjacent implants at the bone level:  
A minimum distance of 3.0 mm between 2 adjacent implant shoulders (mesial and distal) is recommended.



## Position of the orofacial implant

The buccal and palatal bone thickness must be at least 1 mm thick to ensure stable conditions of the hard and soft tissues. Within this limitation, it is necessary to choose a position and an axis of the orofacial implant guided by the restoration so that screw-retained restorations are possible.

**Caution:** An augmentation procedure is indicated when the orofacial bone wall is less than 1 mm or a layer of bone is missing on one or more sides. This technique should only be used by dentists who have adequate experience in the use of augmentation procedures.



The available bone layer must have a minimum thickness of 1 mm.

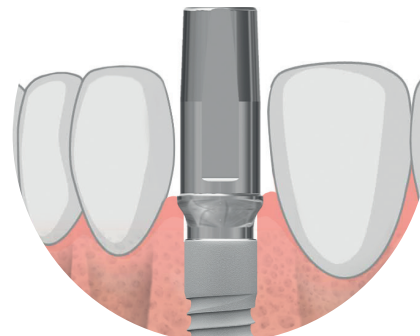
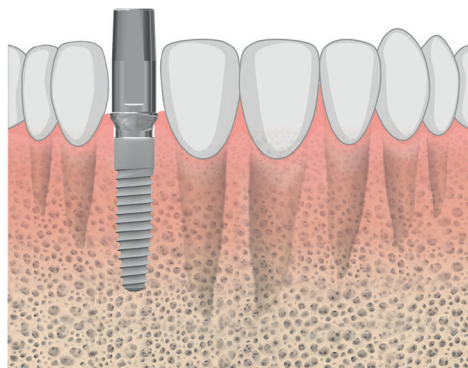


Choose the position and axis of the orofacial implant so that the screw channel of the screwed restorations is located behind the incisal edge.

## Position of the coronal apical implant

DiTRE® dental implants allow flexible positioning of the coronal apical implant, depending on the individual anatomy, the implant site, the type of restoration planned and preferences.

**Attention:** the implant must be positioned in the aesthetic region, making sure that the shoulder is placed about 3-4 mm subgingival with respect to the prospective gingival margin.



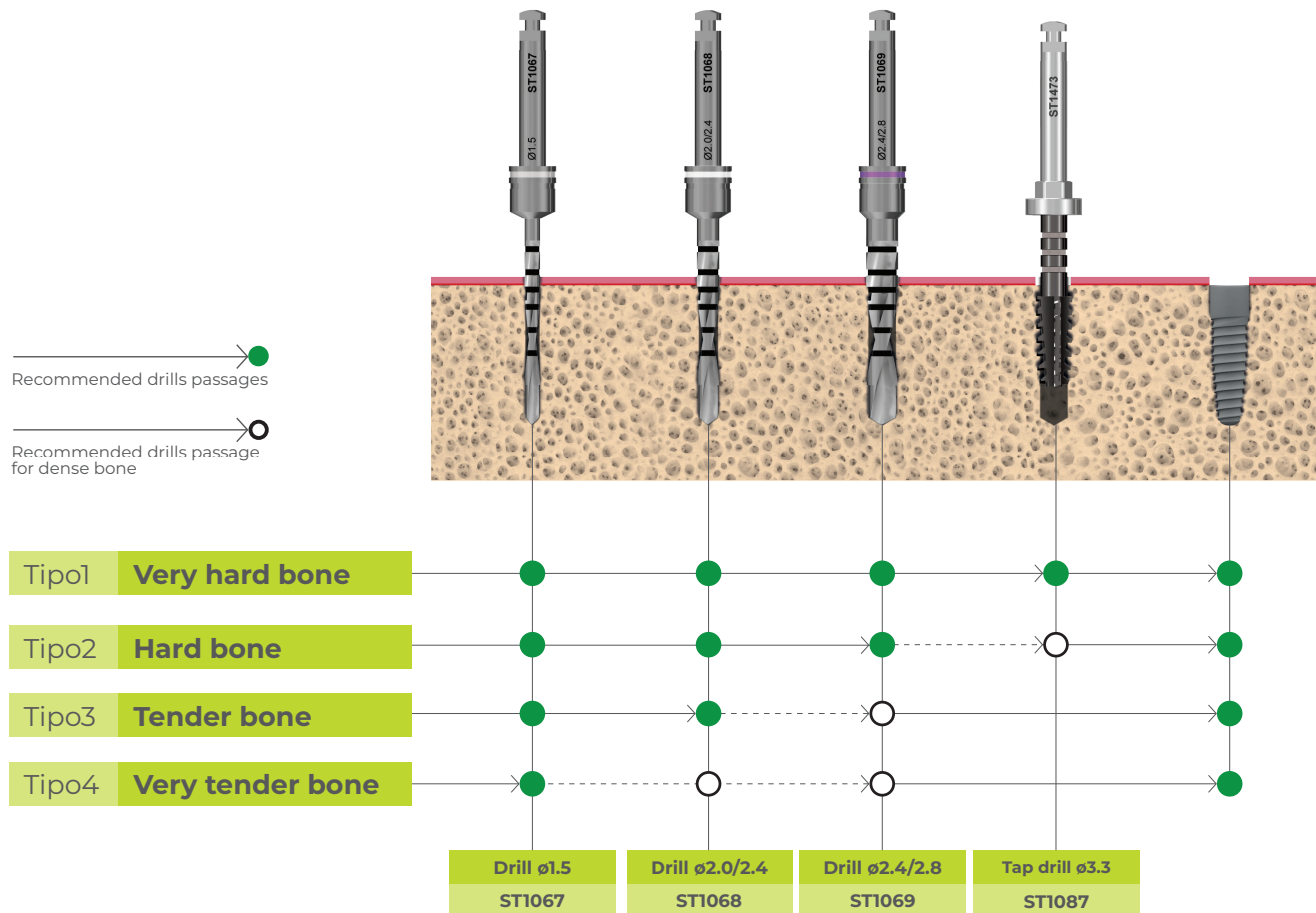
# SURGICAL PROTOCOL

To obtain the best results in terms of optimal insertion, primary stability and to guarantee a correct osseointegration process: it is recommended to follow the indicated surgical procedure and the correct sequence of drills.

a) The osteotomy must proceed at high speed (max 2000g / m) with abundant and constant irradiation of sterile physiological solution.

b) Never exceed 45/50 Ncm with implant insertion torque.

Excessive tightening can lead to damage to the connection and / or breakage of the implant with consequent necrosis of the bone site.

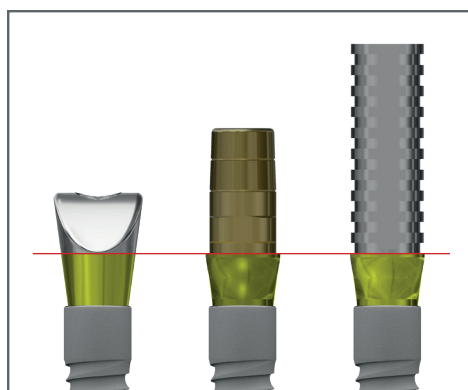
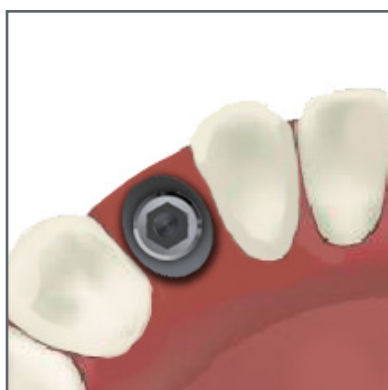


# PROSTHETIC COMPONENTS

DiTRE® offers a range of standard, angled and temporary abutments that allow a perfectly sealed prosthetic implant connection.

The new prosthetic design adapts perfectly to the anatomy of the teeth:

1. Unique oval shape for soft tissue
2. Exclusive **A.S.E.P.**® profile (Advanced Shape Emergency Profile)
3. Conical design with improved primary stability



Effective soft tissue management has a decisive impact on aesthetic results. To optimize this process, various components with A.S.E.P.® emergence profile are available in the prosthetic portfolio of the DiTRE® implant. This applies to all healing abutments, temporary abutments and abutments for the final restoration.

Therefore, the emergence profiles are uniform throughout the improved treatment process.



# COMPONENTS CEMENTED PROSTHESIS

Our line of cemented prosthesis components includes straight, angled, aesthetic abutments and custom casting components. The abutments are supplied in numerous models to support all restoration needs: the abutments in even small diameters allow use in cases with minimal prosthetic spaces such as maxillary lateral incisors and mandibular anterior teeth. The wide profile abutments offer greater flexibility when grinding is required. The straight aesthetic titanium abutments are designed for high aesthetic results.



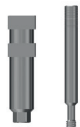
<b>ANALOGG A.D.M.</b>	
Ø3.5 NP	1170



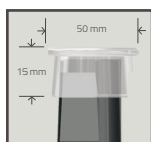
<b>HEALING SCREW ANATOMICAL</b>	
H3.0mm - P.E. 3.5	1241
H5.0mm - P.E. 3.5	1242
H7.0mm - P.E. 3.5	1243



<b>HEALING SCREW SLIM</b>	
H 3.0 mm	1178
H 5.0 mm	1179
H 7.0 mm	1180



<b>TRANSFER OPEN TRAY</b>	
Not Rotating	1171
Vite Transfer Open Tray	1189



<b>TRANSFER CLOSED TRAY</b>	1172
Transfer Closed Tray Screw	1190

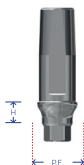
<b>UNIVERSAL IMPRESSION CAP</b>	2142
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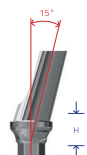
<b>CASTABLE ABUTMENT</b>	
Rotating	1176
Not Rotating	1177



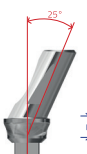
<b>TEMPORARY ABUTMENT</b>	
Rotating - H1.5mm	1175
Rotating - H2.5mm	1239
Rotating - H3.5mm	1240
Not Rotating - H1.5mm	1174
Not Rotating - H2.5mm	1237
Not Rotating - H3.5mm	1238



<b>STRAIGHT ABUTMENT AESTHETIC</b>	
H1.5mm - P.E. 4.5	1183
H3.5mm - P.E. 4.5	1184



<b>ABUTMENT 15°</b>	
H1.5mm	1185
H3.5mm	1186



<b>ABUTMENT 25°</b>	
H3.5mm	1187



<b>COMBY CHROME T.BASE</b>	
Rotating	1198
Not Rotating	1197



<b>DUAL SISTEM T. BASE</b>	
Rotating - H0.5mm	1194
Rotating - H1.5mm	1196
Rotating - H2.5mm	1234
Rotating - H3.5mm	1236
Not Rotating - H0.5mm	1193
Not Rotating - H1.5mm	1195
Not Rotating - H2.5mm	1233
Not Rotating - H3.5mm	1236

Postponing the letter **e** to the DUAL SYSTEM codes you will receive: **screw D.I.S. hex head**

Postponing the letter **t** to the DUAL SYSTEM codes you will receive: **screw D.I.S. torx head**



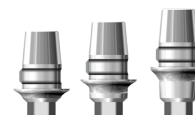
<b>SCANBODY</b>	
Rotating	S-R
Not Rotating	S



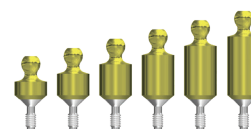
<b>SCREWS</b>	
Primary	1188
Prosthetics D.I.S. Esa	1191
Prosthetics D.I.S. Torx	1192



<b>INTRAORAL SCANBODY</b>	
I.Scan	SCAN 1023



<b>SIRONA® CEREC® I-BASE</b>	
H0.5mm	1199
H1.5mm	1200
H2.5mm	1201



<b>MONCONE SFERA NORMO</b>	
H1.0mm	1214
H2.0mm	1215
H3.0mm	1216
H4.0mm	1217
H5.0mm	1218
H6.0mm	1219



<b>MONCONE OT-EQUATOR</b>	
H1.0mm	1207
H2.0mm	1208
H3.0mm	1209
H4.0mm	1210
H5.0mm	1211
H6.0mm	1212
H7.0mm	1213

## NOTE

The correct position of the angled abutments can be verified by considering that the external hex of the driver is in phase with the internal hex.

## TIGHTENING

The prosthetic screw is tightened with the 1.27 hexagonal screwdriver and the dynamometric ratchet. For the final placement, a torque of 25 Ncm is recommended.



# COMPONENTS M.S.A. SCREW RETAINED PROSTHESIS

The M.S.A. (Multi System Abutment) IDC®, allows in one day to extract and insert implants and apply the temporary prosthesis with an immediate fixed bridge.

In this way, patients will never be edentulous and will always have a stable fixed prosthesis.

Furthermore, the temporary prosthesis guarantees the patient an immediate improvement, on a psychological, aesthetic and functional level. This line supports various clinical situations from a single tooth, a partial or complete edentulous jaw.



**PROTECTION ANALOG**

1080



**ANALOG**

1072



**TRANSFER**

1073



**PROTECTION SCREW**

H4.0mm 1077



**CASTABLE ABUTMENT**

1075



**COMBY CHROME T.BASE**

1078



**TEMPORARY ABUTMENT**

1074



**SCREW**

Microvite M.S.A.	1037
MicroVite D.I.S. Esa	2218
MicroVite D.I.S. Torx	3894
Vite Transfer M.S.A. Open Tray	1036



**A.D.M. ANALOGO PER DIGITAL MODEL**

2212



**DUAL SISTEM T. BASE**

1076

Postponing the letter **e** to the DUAL SYSTEM codes you will receive: **screw D.I.S. hex head**

Postponing the letter **t** to the DUAL SYSTEM codes you will receive: **screw D.I.S. torx head**



**SCANBODY FOR LAB**

SCAN-M



**INTRAORAL SCANBODY**

SCAN 1000



**MELTING ABUTMENT Titanium**

1079



**MELTING ABUTMENT Stainless Steel**

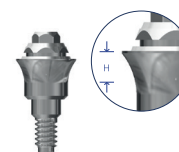
1132



**WAXING SCREW**

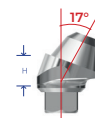
L 1.0 - Ribassata	1134
L 2.0	1037
L 4.0	1135
L 6.0	1136
L 8.0	1137
L 14.0	1036
L 24.0	1138

Replacement screw for prosthetic components for M.S.A. abutments in titanium gr. 5, are provided for the construction of the superstructure.



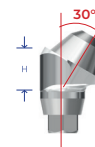
**ABUTMENT M.S.A. STRAIGHT**

H1.0mm	1220
H2.0mm	1221
H3.0mm	1222
H5.0mm	1223



**ABUTMENT M.S.A. 17°**

H2.5mm	1224
H3.5mm	1227



**ABUTMENT M.S.A. 30°**

H3.5mm	1225
H4.5mm	1228



**BALL ABUTMENT M.S.A.**

1163



**CONNKTOR ABUTMENT M.S.A.**

1162



**M.S.A. SCREW**

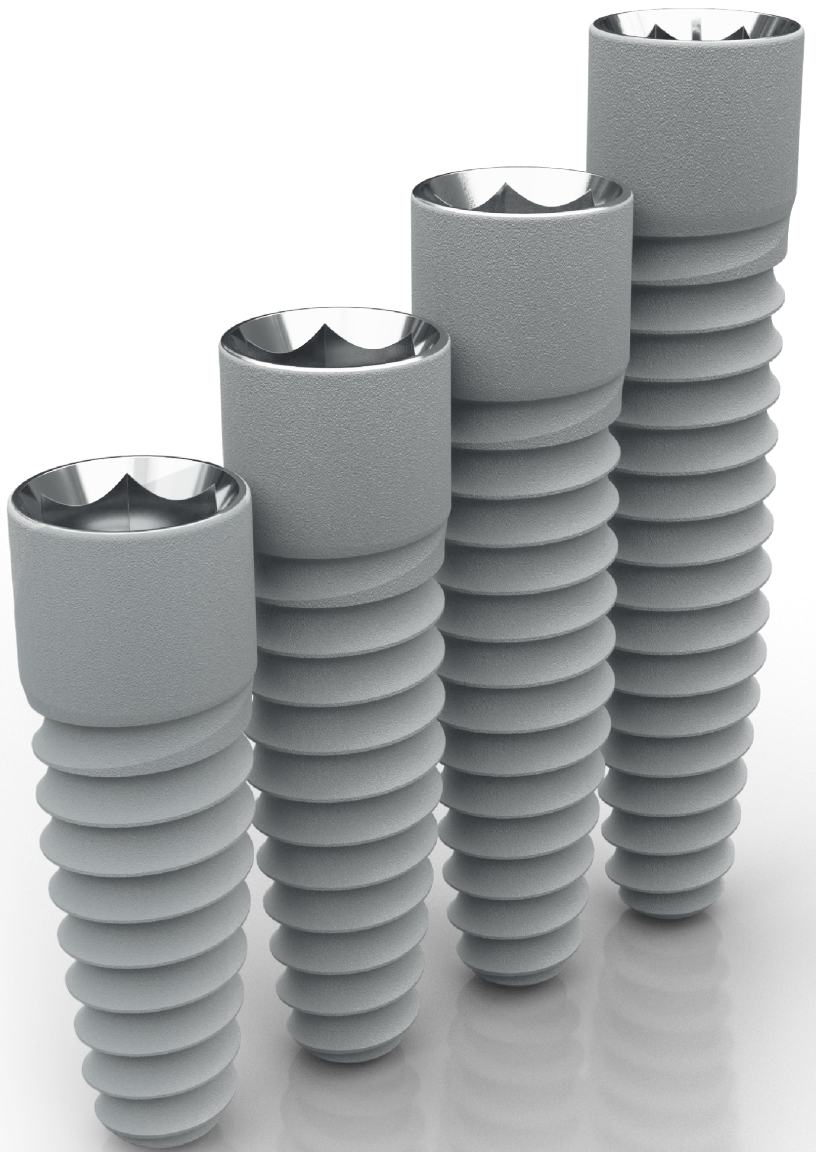
Ø3.0 1226





**DiTRE**  
IMPLANT PLATFORM Ø 3.0







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