

**MULTYSYSTEM** IMPLANT SYSTEM  
**PROSTHETIC** SOLUTIONS  
TRADITIONAL AND GUIDED **SURGERY**

CATALOG 2025





**Multysystem** benefits from its more **than thirty-year** experience in the biomedical sector, gained by participating in multidisciplinary research aimed at the design and development of new implant prosthetic technologies.

Multysystem offers a **real support to Professionals** of the dental field, with innovative solutions, flexibility and speed of action.

Multysystem products stands out with the following features:

- **high quality** of production processes, raw materials and treatments;
- wide range of implants and **completeness** of prosthetic solutions;
- **optimization** of tools and ease of use.

The wide range guarantees several alternatives in the various clinical and operational situations with which the operator must deal, aimed at designing a correct prosthetic rehabilitation plan.

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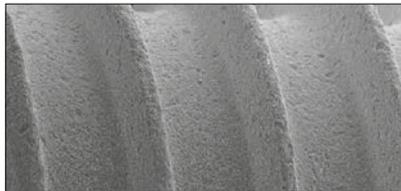
# Multysystem implant line

## Features

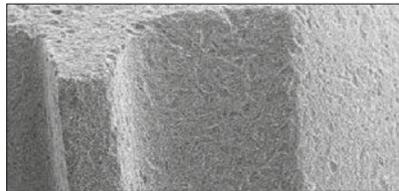
### Surface treatment with High-Frequency Roughness (HFR)

Innovative osteo-conductive treatment surface with High Frequency roughness (HFR), submitted to all Multysystem® Implants, complies with the most recent studies related to the chemical and physical aspects and to the biological response of the implant surfaces. As has been amply demonstrated, development of such surfaces has led to identifying the response of osteogenic cells to micro-roughness. The topographic surface aspect influences osteoblastic activity, amplifying the platelet response and accelerating the progress of the bone regeneration process

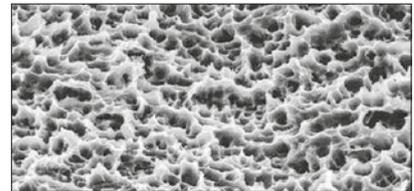
### Electron microscope analysis (SEM)



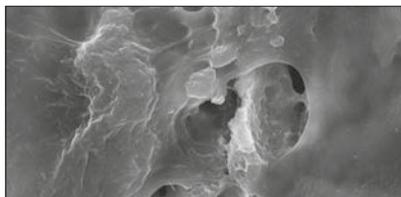
SEM detail (100X) of the thread of a Multysystem® implant with HFR surface treatment



SEM detail (200X) of the distal end of a Multysystem® implant with HFR surface treatment



SEM detail (5.00 K X). The roughness details produced by the HFR treatment are highlighted. As is evidenced, the distance between Apexes is only of a few microns.



SEM view (7.00 K X). In vitro testing. Note how, after three days' contact, the bone cells have completely colonised the surface

In SEM images, HFR surface treatment creates a characteristic homogeneous roughness which further increases the bone-implant contact surface supporting osseointegration process

### Decontamination with cold Argon Plasma

After surface treatment cycles, the Multysystem® implants are subjected to decontamination process with suitable solvents, followed by a final cold Argon Plasma treatment. This step performed in a suitable reactor for plasma treatment. After decontamination phase, the implants are subjected to XPS (X-Ray Photoelectron Spectroscopy) technical analysis to determine their decontamination status

### Packaging

In order to ensure perfect sterility, Multysystem® implants are packaged in unbreakable plastic bottles with a hermetic cap. In order to ensure a controlled atmosphere environment, packaging takes place in a clean room. The implant pack aging procedures are performed under laminar flow hood in compliance with the highest standards of cleanliness.

## Multysystem Implants packaging

The Multysystem® implants are individually packed as follows:

- External packaging with adhesive label for immediate identification of the implant.
- Secondary packaging consisting of a vial with a removable adhesive label to be attached to the medical records (which then allows product identification and traceability).
- Primary packaging consisting of a container on which the implant is anchored by means of the specific mount support that facilitates its transfer to the oral cavity. In the case of biphasic implants, the container also acts as a surgical screw cap holder.



TC Implant Packaging



Before using, check packaging integrity. If package shows signs of tampering, sterilisation is no longer guaranteed.



Remove the closing cap of TC implant



Remove the primary container of TC implant



Remove the fixture with the aid of the tool driver contained in the surgical set



Implant passport accompanying the package

**N.B.** The fixture must be pulled out of primary container using the appropriate mount transfer, in order to avoid contamination and deterioration of the layer of titanium oxide formed by exposure to air.

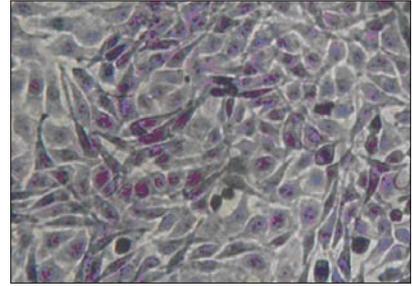
## Sterilisation

Multysystem® implants undergo a sterilisation treatment with accelerated electrons (beta rays) in compliance with EN 552 and EN 556 standards. The dose audit is validated in accordance with EN 552, ISO 11137 and ISO 13409. Implant samples are periodically subjected to Bioburden control, which determines the microbial load. These tests verify that the sterilisation parameters established by the Multysystem Protocol do not change over time.



## Cytotoxicity Analysis

The cytotoxicity tests performed on Multysystem® implants were conducted according to EN ISO 10993/5 protocols: 1999 Biological Evaluation of Medical Devices Part 5: Tests for cytotoxicity: in vitro methods, demonstrate absence of toxic effects at the cell monolayer level, as is evidenced by the general appearance and cell density. Basically the Multysystem® implants do not exert any cytotoxic activity against L929 fibroblasts. This result indicates that the processing cycle does not involve any residues accumulation on implants or substances with toxic effects about the cells.



Negative control image

## Mechanical tests

Mechanical tests on Multysystem® implants have been carried out by the Bioengineering Department of Politecnico in Milano. Tests related to static mechanical resistance in condition of MONOTICA compression with eccentric load applied in axis with the implant have been carried out in order to verify the maximum TENSIOFLESSORIA resistance of the abutment connection screw and resistance tests to cyclical stress (strain). The implant passed the test enduring 5.000.000 load cycles. Both the tests have been passed with an amply positive exit, demonstrating the Multysystem® implants high qualitative standard.

## Multysystem Surgical Drill

Multysystem surgical drills are made of AISI 420B stainless steel and coated in Diamond-Like-Carbon (DLC), with a coating thickness of 0.5 - 3 µm.

The DLC coating reduces both friction and heat generation. Numerous tests have been carried out for this purpose at POLIMI (Politecnico di Milano) to verify the temperature on the surface of the tool and the friction produced during drilling.

The main features of the DLC coating were:

- Increased hardness compared to the drills not coated (up to 50% more than non-DLC coated metals)
- Improvement of wear resistance
- Maintenance of cutting capacity
- Better protection of the drills from chemical attack to make it biocompatible.



## Cleaning and sterilising surgical instruments

In order to clean instruments properly, first of all it is important to lower the bacterial load by dipping instruments in decontaminant liquid, carefully following the dilution and dipping times reported on the Data Sheet of the product used. Completed decontamination stage we effect a manual wash with the aid of specific regular and interdental brushes, in order to remove any organic residues. Subsequently the instruments should be immersed in an ultrasonic bath, using an enzymatic cleaner for about 15 minutes. Once the cleansing process has ended, the instruments must be removed and dried with extreme care in order to ensure that any residual moisture does not interfere with the sterilisation phase. We then proceed to bagging them. After bagging, proceed with steam autoclave sterilisation at a temperature of 134 ° C respecting the validated cycle issued by the manufacturer.



# TC Implants

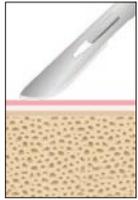
TC biphasic implants



# TC biphasic implant use

## Fixture site creation

It's important to ensure that drilling always takes place during copious irrigation with a saline solution at room temperature in order to avoid overheating, with consequent tissue damage, and to maintain perfect visibility of the operating field. To this purpose, the control unit of surgical micro-motor must allow a drill rotation of 300-400 rpm in order to avoid necrosis of the bone, which would jeopardise osseointegration. For the same reason the torque is important, which must be 50 Ncm for drilling and 35-40 Ncm for screwing the fixture.



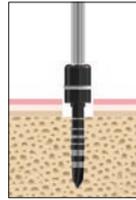
1. Incision of the mucosa with the scalpel



2. Creation of the insertion point with the centring drill



3. Perforation of the cortical bone with the cortical drill



4. Determination of the fixture orientation and the drilling depth with the millimetre marked pilot drill



5. Verifying the inclination with the inclination market



6. Trimming the coronal bone of the implant site with the countersink drill (where expected)

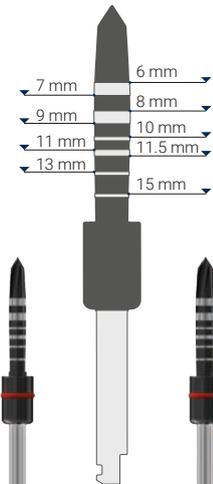


7. Calibrating the final diameter of the implant site with the trimming drill



8. Tapping the bone site with the manual millimetre marked bone tap inserted in the ratchet (optional)

### Depth of milling



Millimetre marked first drill Ø 2.55 mm

Millimetre marked trimmin drill Ø 2.85 mm

## TC biphasic implants insertion

The fixture must be chosen according to the conditions of the bone area (lax trabecula bone = self-tapping screw), to the thickness of the bone and the type of envisaged prosthetic reconstruction (rear zones = larger diameter implants). In general, it is a good idea to always insert the fixture with the largest diameter compatible with the implant area so that, once osseointegration has occurred, the occlusal forces tend to be distributed at a cortical level reducing the possibility of bone resorption over time. Once inserted at the entrance of the bone site, the fixture is screwed with the special contra-angle manual or mechanical adapter at a speed of 18-22 rpm under copious irrigation. As soon as excessive resistance is encountered, the calibrated torque of the surgical engine blocks the screw and the operator can complete insertion with a manual ratchet or with a variable torque wrench, proceeding until the edge of the crown margin of the fixture is flush with the bone crest. Finally, the surgical screw cap is screwed to the fixture.



1. Posizionare l'implianto nel sito osseo con il digitale di trasferimento



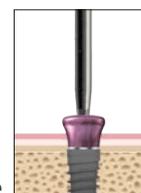
2. Screwing the implant with the ratchet complete with adapter

### Delayed load (two surgical times)



3A In case of delayed load screw to the implant the surgical screw cap on the fixture with the polyvalent screwdriver

### Immediate load (one surgical time)



3B In case of immediate load screw to the implant the healing stump with the polyvalent screwdriver

## TC surgical and prosthetic procedures

The chemical and topographic surface features of the fixture allow a reduction of the bone healing time, thereby anticipating the functional load. During the process of bone healing, the fixture should not be subjected to stresses which may cause premature loss.

Only when complying with such conditions will the bone be formed in direct contact with the fixture ("osseointegration") and, once the prosthetic rehabilitation has been completed, will it bear the loads generated by chewing. Once the bone has healed, it is necessary to uncover the head of the submerged fixture.

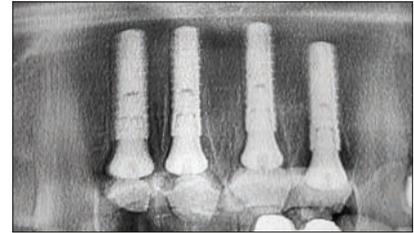
To do this, the operator has two techniques available:

- 1) An operculum of the mucosa overlying the fixture is removed with the aid of a tissue pump.
- 2) In cases of excessive thickness of the gingival tissues, or of poorly attached gingiva, performing an operation with a flap incision on the crest is preferable.

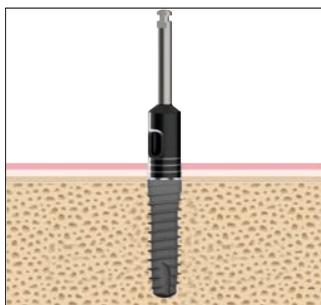
After removing the surgical screw cap from the fixture, a healing screw cap with a slightly greater height than the thickness of the gingival tissue must be screwed back on.

This will assist the healing of the gum tissue and after 10 days or so the imprint may be taken. If desired, the definitive abutments may be fixed during the re-entry operation; also taking the imprint for making a temporary prosthesis during the same session.

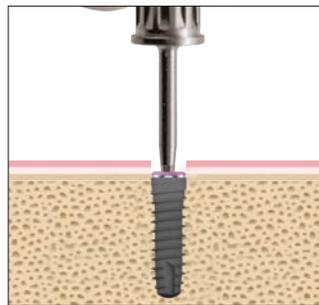
Once the implants have been uncovered, it is not always possible to replace the existing prosthesis (fixed or mobile) with considerable discomfort for the patient.



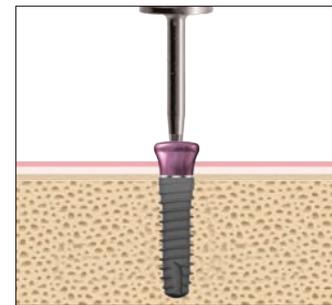
RX fixture TC osseointegrated



1 Uncovering the head of the submerged fixture with the appropriate **tissue punch**



2 Removing the surgical screw cap from the fixture with the **polyvalent screwdriver**



3 Screwing the healing screw cap to the fixture with the **polyvalent screwdriver**

**It is important to emphasise that success and longevity depend not only on the quality of the materials used, but also on the prosthesis design, the balanced distribution of occlusal loads, the absence of centric or eccentric pre-contacts and finally on the patient maintaining oral hygiene.**

TC impression and prosthetic solutions indications

Pick up tranfert (closed tray)



Pick-up tranfert (open tray)



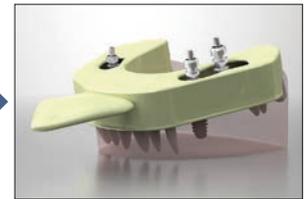
1A Placement of tranfert copy



2A Standard tray impression (closed tray)



1B Placement of tranfert copy



2B Individual tray impression (open tray)

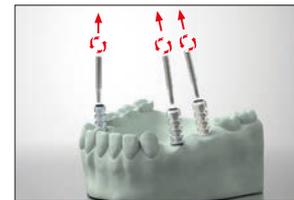
TC from plaster model to prosthetic product

Pick up tranfert (closed tray)



3A Removal of screws e pick-up transfer from plaster model

Pick-up tranfert (open tray)



3B Removal of screws and pick-up transfer from plaster model



4 Choice of prosthetic abutments on plaster model



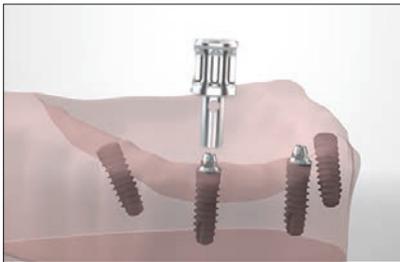
5 Placement of prosthetic abutments on implants



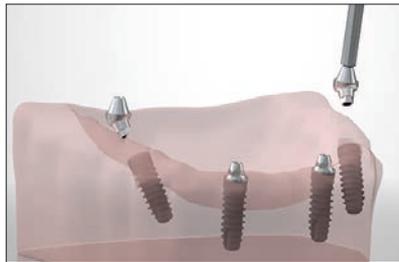
6 Placement of prosthetic product in situ

## Use protocol of the bases Multi-Unit for screw-retained prosthesis with immediate loading

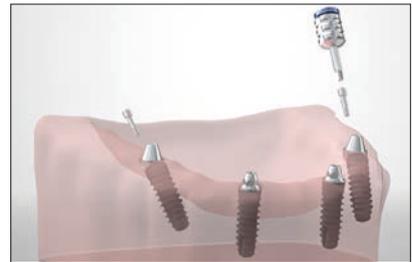
The Multi-Unit bases of the Multysystem® line allow a minimally invasive therapeutic solution for edentulous patients with jawbone or maxillary atrophy problems, which consists in the stabilisation of a screwed Toronto Bridge prosthesis. The technique consists in inserting only four implants, two in each half arch, positioned in the rear section with an inclination of up to 35° compared with the two front ones. This procedure is aimed at ensuring the stability of the prosthesis in respect of the masticatory load distribution. In order to properly plan all the surgical procedures, the use of a CT scan is recommended, allowing the three-dimensional maxilla-facial structure evaluation. It is also recommended that the patient should wear a radiopaque implant template, in order to transfer the image of the future prosthetic reconstruction to the x-ray plate. This allows the operator to plan the location of the implants in relation to the prosthetic forecast. In order to prepare the implant site, proceed with guided surgery or traditional surgery technique.



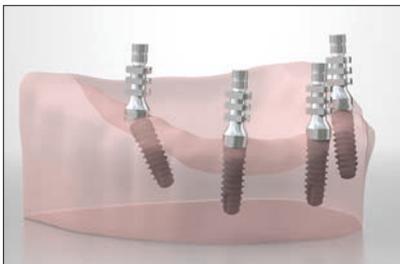
1 Screw the **straight MU bases** with the appropriate **screwdriver** and complete tightening with the **30 Ncm torque wrench**, connected to the prosthetic screw adapter for straight MU bases.



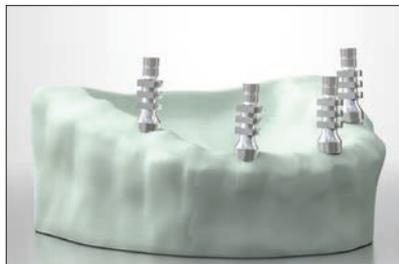
2 In order to facilitate placing the MU bases in the mouth, use the **mount transfer**.



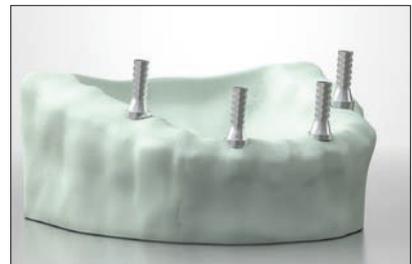
3 Screw the **closing fitting screw** of the angled MU base with the **polyvalent screwdriver** and complete tightening with the **30 Ncm torque wrench**, connected to the prosthetic screw adapter.



4 Once the connection of the MU bases in the implants has been carried out, screw the specific MU transfers copy to the MU bases to take the impression. After connecting the transfers copy to their bases, take an imprint with the aid of an individual imprint tray and send it to the dental laboratory. In case of delayed loading, after having taken the imprint to protect the MU base, the special healing caps MU in peek must be used. Their use must not exceed a period of 30 hours, after which they must be removed.



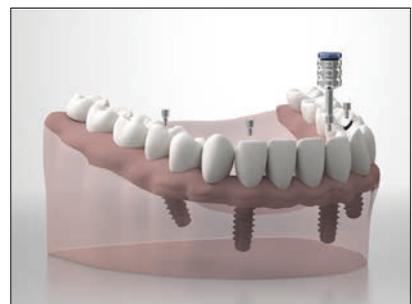
5 The plaster model should be reproduced in the lab, screwing the transfers to the appropriate MU analogues, which faithfully reproduce the taper of the MU bases.



6 Once the plaster model has been created, proceed with choosing the provisional or final MU abutments according to the type of prosthetic solution chosen.



7 Transfer the final abutments and the prosthetic product into the mouth.



8 Secure the prosthetic product using locking screws.

# Biphasic implant tapered connection **TC**

Multysystem® TC implants with conical connection and internal hex are divided into different lines:

**TC-N** (Tapered Connection Narrow)      **TC-R** (Tapered Connection Regular)

TC internal connection:

Cono morse and internal threaded features with conical hole 4,5\* degrees angled per side, followed by internal hex CONO MORSE principle to guarantee:

- Antibacterial closing
- Abutment stability improvement
- Antirotational action
- Anti unscrewing system

TC implant design:

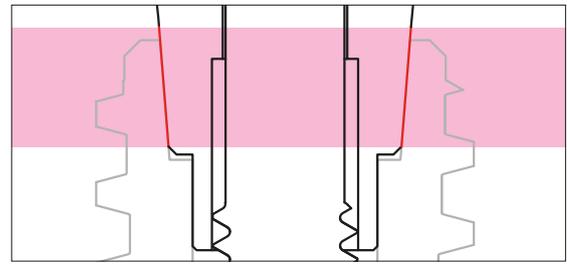
- Tapered biphasic System
- Self tapping with apical longitudinal antirotation drillings
- Terminal part of the neck is polished in order to facilitate biocompatibility with soft tissues

TC implant thread-pitch:

- 1.0 mm - to ensure the primary stability in presence of D1 and D2 bone density

**or**

- 2.0 mm - to compact alveoli with types of softer bone, D3 and D4 density or post-extractive sites



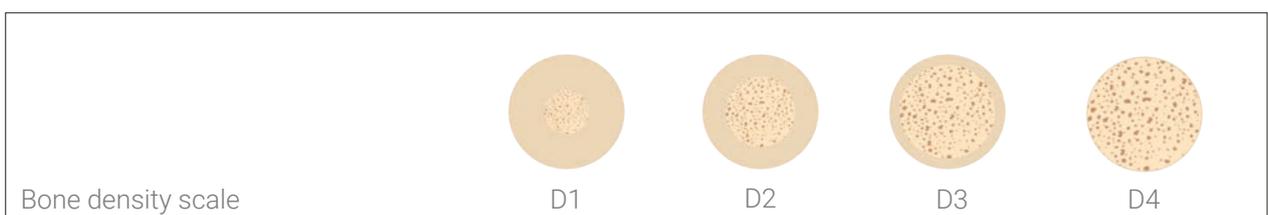
Activated tapered connection

TC implants measures:

- Diameter from 3.2 to 5.5 mm
- Lengths from 7.0 to 15.0 mm

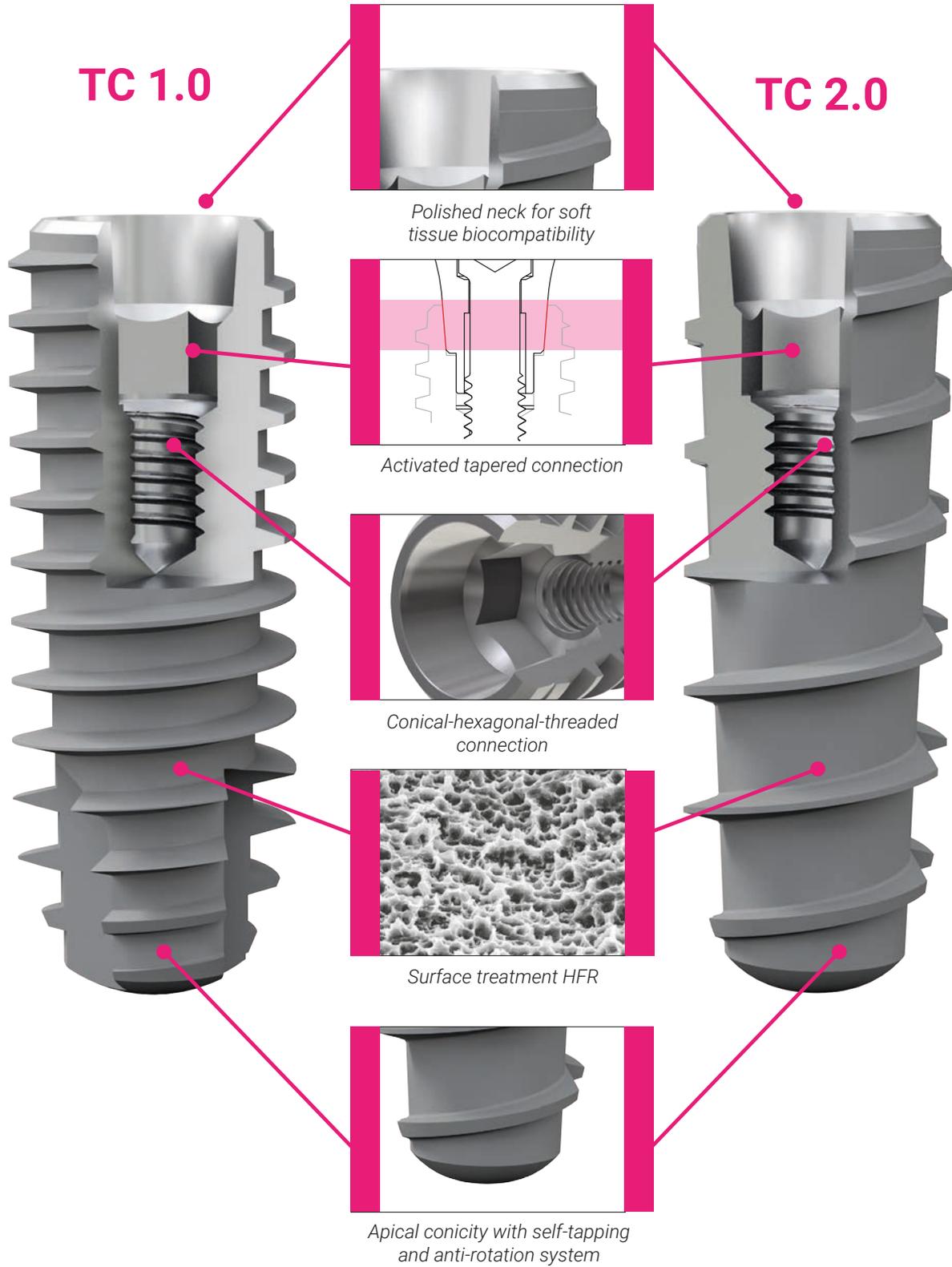
## TC IMPLANTS FEATURES SUMMARY TABLE

Implant line	Neck	Thread pitch	Internal Hex	Internal Screw	Unified Head Diameter	Prosthetic Colour code	Application Indication
<b>TC-N 1.0</b> (Ø 3.20)	Polished 0.8 mm	1 mm	1.90 mm	1.5 mm	2.9 mm	TC-N	Mainly indicated both for upper and lower central areas
<b>TC-R 1.0</b> (Ø 3.70 • Ø 4.20)	Polished Ø 3.70 • 0.6 mm Ø 4.20 • 0.5 mm	1 mm	2.3 mm	1.8 mm	3.6 mm	TC-R	LThe application of TC-R 3.7 and 4.2 mm diameter is mainly indicated both for upper and lower central and lateral areas
<b>TC-R 1.0</b> (Ø 4.70 • Ø 5.20)	Polished 0.5 mm	1 mm	2.3 mm	1.8 mm	4.0 mm	TC-R	The application of TC-R 4.7 and 5.2 mm diameters is mainly indicated both for rear and lateral areas.
<b>TC-R 2.0</b> (Ø 4.50 • Ø 5.50)	Polished 0.5 mm	2 mm	2.3 mm	1.8 mm	4.0 mm	TC-R	The use of TC-R 4.5 – 5.5 mm diameters is mainly indicated both for frontal, rear and lateral areas as post-extraction implants.



Bone density scale

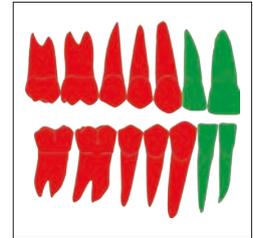
# TC implant design



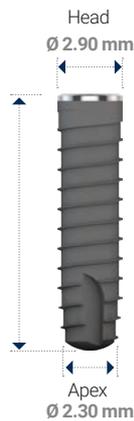
# TC Biphasic Implant

## TC-N 1.0 Ø 3.2 mm

- Slightly conical profile and common cylindrical head of 2.9 mm diameter
- polish collar to facilitate soft tissue compatibility
- three longitudinal drillings in the apical side for self-tapping and anti-rotation function
- 1.0 mm of thread for primary stability
- indicated in the presence of the D1 and D2 bone
- mainly indicated for the upper and lower central areas



Diameter	Ø 3.2 mm
Polished neck	h. 0.8 mm
	
Thread Pitch	1.0 mm
Head	Ø 2.9 mm
Prosthetic Connection	TC-N 
Geometry Connection	Conical with Internal hex Ø 1.90 mm
Length	code
8.5 mm	9013208
10.0 mm	9013210
11.5 mm	9013211
13.0 mm	9013213
15.0 mm	9013215



### TC-N 1.0 (narrow)

 Prosthetic connection colour code

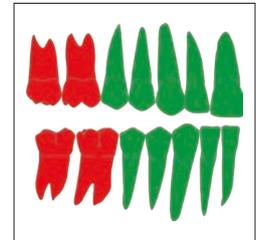
### Drill sequence

Centring drill	Final intermediate drill	Millimetre marked first drill	Millimetre marked trimmin drill
Ø 1.8 mm	Ø 2.0 mm	Ø 2.55 mm	Ø 2.85 mm
			

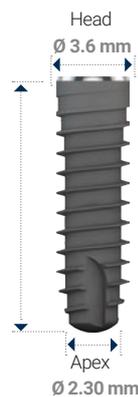
# TC Biphasic Implant

## TC-R 1.0 Ø 3.7 • Ø 4.2

- Slightly conical profile and common cylindrical head of 3,6 mm diameter
- polish collar to facilitate soft tissue compatibility
- three longitudinal drillings in the apical side for self-tapping and anti-rotation function
- 1,0 mm of thread for primary stability
- indicated in the presence of the D1 and D2 bone
- indicated in cases of sinus maxillary, both for upper and lower central and rear areas, and for immediate prosthetic load technique



Diameter	Ø 3.7 mm	Ø 4.2 mm
Polished neck	h. 0.6 mm	h. 0.5 mm
Thread Pitch	1,0 mm	
Head	Ø 3.6 mm	
Prosthetic Connection	TC-R	
Geometry Connection	Conometrica con esagono interno Ø 2,3 mm	
Length	code	
7,0 mm	9013707	9014207
8,5 mm	9013708	9014208
10,0 mm	9013710	9014210
11,5 mm	9013711	9014211
13,0 mm	9013713	9014213
15,0 mm	9013715	9014215



### TC-R 1.0 (regular)

Prosthetic connection colour code

## Drill sequence

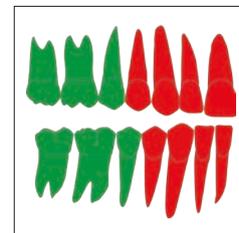


With bone density D1 or higher, the use of the drill Ø 3,20 is recommended  
Ref. FAB-0340/4D

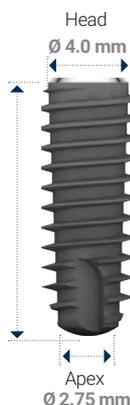
# TC Biphasic Implant

## 1.0 TC-R Ø 4.7 • 5.2 mm

- slightly conical profile and common cylindrical head of 4,0 mm diameter
- polish collar to facilitate soft tissue compatibility
- three longitudinal drillings in the apical side for self-tapping and anti-rotation function
- 1,0 mm of thread for primary stability
- indicated in the presence of the D1 and D2 bone
- indicated both for rear and lateral areas



Diameter	Ø 4.7 mm	Ø 5.2 mm
Polished neck	h. 0.5 mm	h. 0.5 mm
Thread Pitch	1.0 mm	
Head	Ø 4.0 mm	
Prosthetic Connection	TC-R	
Geometry Connection	Conical with Internal hex Ø 2.28 mm	
Length	code	
7.0 mm	9014707	9015207
8.5 mm	9014708	9015208
10.0 mm	9014710	9015210
11.5 mm	9014711	9015211
13.0 mm	9014713	9015213
15.0 mm	9014715	9015215



### TC-R 1.0 (regular)

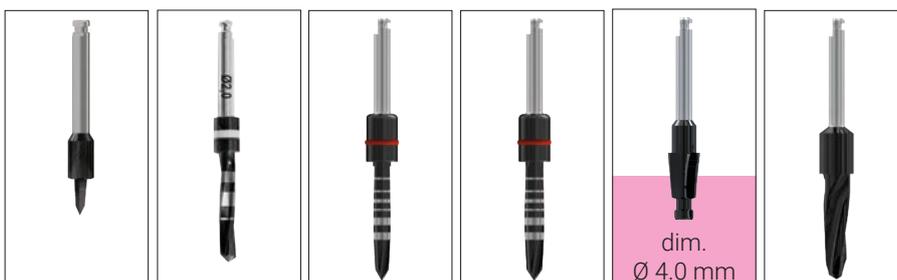
Diameter: 4.7 - 5.2 mm

Length:  
7 - 8,5 - 10 - 11,5 - 13 - 15 mm

Prosthetic connection colour code

### Drill sequence

- |                |                          |                               |                                 |             |                  |
|----------------|--------------------------|-------------------------------|---------------------------------|-------------|------------------|
| Centring drill | Final intermediate drill | Millimetre marked first drill | Millimetre marked trimmin drill | Countersink | Calibrated drill |
| Ø 1.8 mm       | Ø 2.0 mm                 | Ø 2.55 mm                     | Ø 2.85 mm                       | Ø 3.6 mm    | Ø 2.85/4.0 mm    |



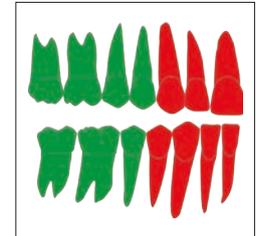
With bone density D1 or higher, the use of the drill Ø 4,30 is recommended Ref. FAB-0340/6D



# TC Biphasic Implant

## 2.0 TC-R Ø 4.5 • Ø 5.5

- slightly conical profile and common cylindrical head of 4,0 mm diameter
- polish collar to facilitate soft tissue compatibility
- three longitudinal drillings in the apical side for self-tapping and anti-rotation function
- 2,0 mm of thread for primary stability
- indicated in the presence of the D3 and D4 bone
- mainly indicated both for rear and lateral areas, post-extraction sites and ideal for immediate surgery procedure technique



Diameter	Ø 4.5 mm	Ø 5.5 mm
Polished neck	h. 0.5 mm	h. 0.5 mm
Thread Pitch	2.0 mm	
Head	Ø 4.0 mm	
Prosthetic Connection	TC-R	
Geometry Connection	Conical with Internal hex Ø 2.28 mm	
Length	code	
7,0 mm	9054507	9055507
8,5 mm	9054508	9055508
10,0 mm	9054510	9055510
11,5 mm	9054511	9055511
13,0 mm	9054513	9055513
15,0 mm	9054515	9055515



### TC-R 2.0 (regular)

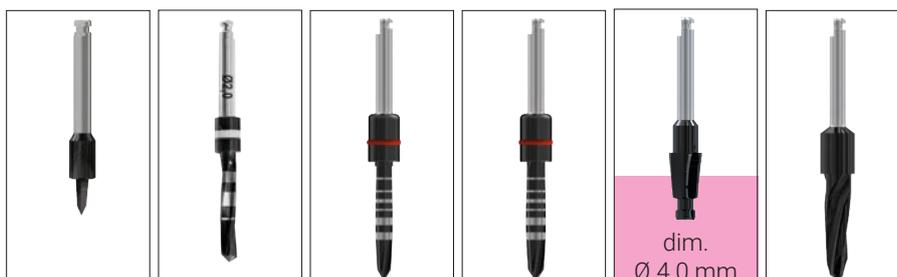
Diameter: 4.5 - 5.5 mm

Lunghezze:  
7 - 8.5 - 10 - 11.5 - 13 - 15 mm

Prosthetic connection colour code

## Drill sequence

Centring drill	Final intermediate drill	Millimetre marked first drill	Millimetre marked trimmin drill	Countersink	Calibrated drill
Ø 1.8 mm	Ø 2.0 mm	Ø 2.55 mm	Ø 2.85 mm	Ø 3.6 mm	Ø 2.85/4.0 mm



With bone density D1 or higher, the use of the drill Ø 4,30 is recommended Ref. FAB-0340/6D

# TC prosthetic solutions

The range of Multysystem® prosthetic abutments envisages a colour coding system in order to allow quick identification. The prosthetic components are divided into three specific lines:

**TC-N**  **Narrow**  
with Ø 2.9 mm

**TC-R**  **Regular**  
with Ø 3.6 mm



The Multysystem® Multi-Unit prosthetic line enables rehabilitation solutions of partial or total upper or lower jaw edentulous patients, even in the presence of strong disparallelism. Clinical cases involving the insertion of distally inclined implants in order to limit reconstructive bone treatments are on the increase.

### Multi-Unit titanium bases

Angle	Straight	Straight	Straight	17°	17°	35°	35°
Chamfer height	2.0 mm	3.0 mm	4.0 mm	2.0 mm	3.0 mm	3.0 mm	4.0 mm
Diametro	ø 5.0 mm						
Material: Titanium							
Prosthetic connection	TC-R						
Code	9670020	9670030	9670040	9671720	9671730	9673530	9673540
Locking screw for bases included MU bases with 17° and 35° inclination ease the parallelism of more implants, which are in disparallelism							

### MU healing cap in Titanium

Material: Titanium	
Code	9671700
MU healing cap in Titanium	

### MU Pick-up transfer Rotating h. 8 mm

Material: Titanium	
Code	9671000
Locking screw, choice between h. 3 or 6 mm They have to be placed on the MU bases for the impression copy	

### MU Abutment

Material	Titanio	PMMA
Code	9671090	9671030
	Prosthetic locking passing screw	
	The MU temporary abutments are rotate in order to protect the implant from disparallelism.	The MU castable abutments rotate and may be modified at will by prior waxing and moulding in gold or other alloys.

### MU Analogue

Material: Titanium	
Code	7671500
The MU analogues are matched to the MU transfer to develop the plaster model	

Multi-Unit surgical and prosthetic instruments

2 pieces pack

<p><b>Materiale:</b> Steel</p>			
<b>Code</b>	7677403	7677404	7677405
	<p><b>FMU straight base countersink</b> Suitable for preparing the bone crest in order to facilitate positioning the MU bases</p>	<p><b>MU angled base countersink</b></p>	<p><b>Drill screwdriver for MU base</b> Suitable for screwing the Multi-Unit straight bases on the implants</p>

Digital base mounter MU

<p><b>Material:</b> Titanium</p>	
<b>Code</b>	7671033
<p>Assists in placing the MU bases in the oral cavity during the implant connection phase.</p>	

Surgical direction guide

<p><b>Material:</b> Titanium</p>	
<b>Codice</b>	7661034
<p>Suitable for adjusting phases with max inclination 35°. For fixing the guide to the maxillary make an osteotomy of approximately 10 mm in the midline using the appropriate calibrated drill Ø 2 mm.</p>	

Multi-Unit Spare screws

3 pieces pack

<b>Height</b>			3.0 mm	6.0 mm
<p><b>Material:</b> Titanium</p>				
<b>Code</b>	9671099	9671098	9671013	9671016
	<p><b>Passing Screw for MU Bases</b></p>	<p><b>MU Prosthetic Passing Screw</b></p>	<p><b>Passing Screw for MU Transfer</b></p>	

### Healing cap screws

2 pieces pack

Height (countersink included)	3.0 mm	4.5 mm	6.0 mm	3.0 mm	4.5 mm	6.0 mm
Diameter	ø 4.5 mm			ø 5.0 mm		
Material: Titanium						
Treatment: Oxidation of Titanium						
Prosthetic connection	TC-N			TC-R		
Code	9171730	9171745	9171760	9181730	9181745	9181760

They are used after the implants uncovering in order to obtain the best emerging profile

### Transfer copy (closed tray)

Height	10.0 mm	10.0 mm
Diameter	ø 4.6 mm	ø 4, mm
Material: Titanium		
Treatment: Oxidation of Titanium		
Prosthetic connection	TC-N	TC-R
Code	9610000	9611000

Locking screw and Plastic snap cap included

### Plastic snap cap

3 pieces pack

Material: Peek	
Code	9610012

Plastic snap cap for closed tray transfer

### Pick-up transfer (open tray)

Height	13.0 mm	13.0 mm
Diameter	ø 4.0 mm	ø 5.0 mm
Material: Titanium		
Treatment: Oxidation of Titanium		
Prosthetic connection	TC-N	TC-R
Code	9610200	9611200

Locking screw included

### Lab analogues

Height	12.0 mm	12.0 mm
Diameter	ø 4.0 mm	ø 4,5 mm
Material: Titanium		
Treatment: Oxidation of Titanium		
Prosthetic connection	TC-N	TC-R
Code	9611500	9615000

The analogues are matched to the transfer to develop the plaster model.

Pre-angled anti-rotation abutments with chamfer

Angle	15°				25°			
Chamfer height	1.0 mm	2.0 mm	3.0 mm	4.0 mm	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Diameter	ø 4.0 mm							
Material: Titanio								
Prosthetic connection	TC-N							
Code	9621510	9621520	9621530	9621540	9622510	9622520	9622530	9622540

Locking screw included. Pre-angled abutments are indicated in cases of divergent implants

Pre-angled anti-rotation abutments with chamfer

Angle	15°				25°			
Chamfer height	1.0 mm	2.0 mm	3.0 mm	4.0 mm	1,0 mm	2.0 mm	3.0 mm	4.0 mm
Diameter	ø 4.5 mm							
Material: Titanium								
Prosthetic connection	TC-R							
Code	9096611	9096612	9096613	9096614	9096621	9096622	9096623	9096624

Locking screw included. Pre-angled abutments are indicated in cases of divergent implants

Anti-rotation straight abutments with chamfer

Abutment Height	6.0 mm	6.0 mm	6.0 mm	6.0 mm	6.0 mm	6.0 mm	6.0 mm	6.0 mm
Chamfer height	1.0 mm	2.0 mm	3.0 mm	4.0 mm	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Diameter	ø 4.0 mm				ø 4.5 mm			
Material: Titanium								
Prosthetic connection	TC-N				TC-R			
Code	9626110	9626120	9626130	9626140	9096610	9096620	9096630	9096640

Locking screw included. Features and guidelines: The coronal portion of the abutment of 6 mm height, neck transmucosal but variable based on the need. Laterally are present due grooves What serve to avoid the prosthesis rotation after cementing.

Pre-milled antirotation abutments

Height	10 mm		10 mm	
Maximum diameter	ø 8.0 mm		ø 8.0 mm	
Material: Titanium				
Prosthetic connection	TC-N		TC-R	
Code	9626000	9626001	9628000	9628001

Locking screw included. The pre-milled abutment is indicated in cases of disparallelism, which aren't fixable with standard abutments.

## Temporary Abutments

Height	15,0 mm		15,0 mm	
Material: Titanium				
Treatment: Oxidation of Titanium				
	rotating	not rotating	rotating	not rotating
Prosthetic connection	TC-N 		TC-R 	
Code	9620015	9620016	9096601	9096602
Locking screw included. The temporary abutment is indicated as intermediate abutment in absence of disparallelism or as temporary abutment.				

## Ucla abutments CoCr

Transmucosal neck height	10 mm		10 mm	
Diameter	ø 4.0 mm		ø 4.5 mm	
Material: body POM base CoCr				
Melting range: 1390°-1475°				
	rotating	not rotating	rotating	not rotating
Prosthetic connection	TC-N 		TC-R 	
Code	9621181	9621180	9096781	9096782
Locking screw included.				

## Castable abutment

Transmucosal neck height	10 mm		10 mm	
Diameter	ø 4.0 mm		ø 4.5 mm	
Material: PMMA				
	rotating	not rotating	rotating	not rotating
Prosthetic connection	TC-N 		TC-R 	
Code	9631160	9631100	9631161	9631101
Locking screw included. The castable abutments are shaped at will and used after a proper fusion with the favourite alloy. For the milling, it is recommended the straight cutting drills.				

Castable abutments for bar with titanium base for overdenture

Transmucosal neck height	2.0 mm	3.0 mm	4.0 mm	2.0 mm	3.0 mm	4.0 mm
Diameter	ø 4.0 mm			ø 4.5 mm		
Material: body POM base Titanium						
Prosthetic connection	TC-N			TC-R		
Code	9641020	9641030	9641040	9096672	9096673	9096674
The castable part of the abutments for bar rotates in order to facilitate the multiple parallelism. The titanium preformed base guarantees a precise connection to the implants.						

Ball abutments screw for overdenture

Height	1.0 mm	2.0 mm	3.0 mm	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Ball	Micro 1.8 mm			2.2 mm			
Material: Titanium							
Prosthetic connection	TC-N			TC-R			
Code	9640001	9640002	9640003	9096641	9096642	9096643	9096644
Container and retention cap included. The ball abutments are indicated in cases of total edentulous patients and represent an effective solution for the mobile prosthesis stabilisation.							

OT Equator® screw abutments

produced by

Complete set

Abutment Height	1.0 mm	2.0 mm	3.0 mm	4.0 mm	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Diametro	ø 4.5 mm							
Materials: Titanium PA EVA								
Prosthetic connection	TC-N				TC-R			
Code	130MUL321	130MUL322	130MUL323	130MUL324	130MULTC1	130MULTC2	130MULTC3	130MULTC4
	<p>Manufactured by Rhein '83 Srl. The OT Equator reduced profile joint enables to correct the disparallelism of the implants until 25° without affect the retention cap functioning.</p> <p>Content of the set OT Equator: 1 OT Equator abutment, 1 Contenair for Caps, 4 Assorted Retention Cap, 1 Protective Disk</p>							

Spare parts

produced by

## Container caps

2 pieces

Diameter		Micro $\varnothing$ 1.8	Normo $\varnothing$ 2.2
Material: Steel			
Container caps	OT Equator	Micro $\varnothing$ 1.8	Normo $\varnothing$ 2.2
Code	141CAE	7640090	7642090

## Retentive caps

2 pieces

6 pieces

Diameter	Micro $\varnothing$ 1.8					Normo $\varnothing$ 2.2	
Material: Nylon							
Kept (grams)	1800	800	1100	200		800	
Recommended time in mouth	12 months	12 months	12 months			12 months	
Colour	White	Pink	White	Green	Water Hard	Pink	Water
Retention	Standard OT Equator	Soft	Standard	Elastic Retention	Reducad internal diameter $\varnothing$ 1.6 mm	Soft	Hard Retention
Codice	140CET	040CRMSN	040CRM	049PCM	040CRMDR8	040CRNSNDR8	040CRNDR8

 Reconstructive hollow sphere set  $\varnothing$  1.8

Pack 1 set

## Micro castable balls

4 pieces

## Disposable directional rings

3 pieces

Code	087CRS
Complete with: 2 titanium hollow spheres, 2 pink caps (soft retention), 1 transparent inserter, 1 calibrator and strip holder	

Code	055SCM

Material: plastic	
	0° 7° 14°
Code	100AD

## Protection ring

10 pieces

## Cap insertion tool

## Micro parallelometer

Material: plastic	
Code	100PD

Code	485IAC

Code	74AC02

### Abutments extractor

Material: Steel			
Prosthetic connection	TC-N	TC-R	
	short $\varnothing$ 1.5	long $\varnothing$ 2.1	short $\varnothing$ 2.1
Code	9609000	9090900	9090901

### Spare cylinder for aesthetic abutment

Material: PMMA	
Prosthetic connection	TC-R
Code	9641099

### Spare screw

Material: Titanium									
Prosthetic connection	TC-N					TC-R			
Thread	1.5					1.8			
Code	K1SCWN1	9609901	9609962	9609963	9609964	9609902	9609992	9609993	9609994
	Abutment c1	Abutment	Aesthetic abutment/ bar screw c2	Aesthetic abutment/ bar screw c3	Aesthetic abutment/ bar screw c4	Abutment	Aesthetic abutment/ bar screw c2	Aesthetic abutment/ bar screw c3	Aesthetic abutment/ bar screw c4
Height		3.0 mm	6.0 mm			3.0 mm	6.0 mm		
Material: Titanium									
Prosthetic connection	TC-N					TC-R			
Thread	1.5					1.8			
Code	9610010	9610230	9610260			9610011	9610231	9610261	
	Transfer Closed Tray	Transfer Pick-Up	Transfer Pick-Up			Transfer Closed Tray	Transfer Pick-Up	Transfer Pick-Up	

### Torx screw for inclined holes



Material: Titanium		
Prosthetic connection	TC-N	TC-R
Thread	1.5	1.8
Code	NDS102000	SDAS18
	Use with mechanical screwdriver (pag.52)	

# Let's go to Digital

The digitalization of the dental world is in evolution, we support all your digital needs. Our digital solutions enable you to perform the full digital workflow, from planning to final restoration, with your choice of Multysystem 3D guided surgery system and the leading CAD/CAM.

## 1 Anamnesis, Cone Beam File Import, model scanning

- Patient visit and clinical history
- TAC radiological examination (with Universal Stent in cases of edentulism)
- Scan of the study model
- Matching of Cone Beam and STL model files using Multysystem 3D software



Cone Beam



Model scanning



Universal Stent

## 2 File matching, implant planning, guide production

- Plan your case using Multysystem 3D guided surgery software
- After importing the Dicom of the CT scan into the software, before performing implant planning, you must enter the STL according to the type of protocol.
- Choose Multysystem's libraries according to our planning software
- Position the implants according to patient's treatment plan and anatomy
- Submit your project to: [performa@performa.dental](mailto:performa@performa.dental) for surgical guide production



### Tube & Pin

4074300	Cannula for guided surgery template ø 5 internal / 6 external		4074201	Template fixing pin for guided surgery	
			4074202	Cannula for template fixation pin for guided surgery	

### Implant Planning Software & Surgical guide creation

M03013D-MTY	1 license
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The software allows the user to simulate the position of implants on two-dimensional and three-dimensional models, identify the mandibular canal, trace panoramic views and sections of the bone model, view the three-dimensional bone model and calculate bone density.

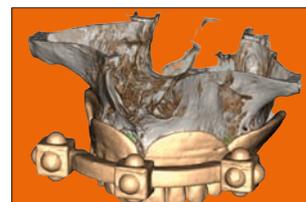
Multysystem 3D enables the user to design surgical guides for computer-guided implant-prosthetic surgery for any type of protocol, whether it is mucosa supported, mucosa-dental supported, bone supported or based on double CT scan.



### Universal Stent

US003-03	3 pz
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Tool designed and patented by Media Lab® that allows the optimization of the alignment between CT acquisition and optical scanning.



### 3 Guided surgery

Simple and fast guided implant surgery

- Unique kit for all implant types and connections
- Just a few drills to perform the guided surgery procedure, following Multysystem protocols
- Surgical guide con steel sleeves to obtain maximum precision

#### Complete guided surgery set

Code	Description
7002431	Torque wrench
4023085	Calibrated drill Ø 2,3 mm for implants L 8.5 mm
4023090	Calibrated drill Ø 2,3 mm for implants L 9 mm
4023100	Calibrated drill Ø 2,3 mm for implants L 10 mm
4023110	Calibrated drill Ø 2,3 mm for implants L 11 mm
4023115	Calibrated drill Ø 2,3 mm for implants L 11.5 mm
4023130	Calibrated drill Ø 2,3 mm for implants L 13 mm
4023150	Calibrated drill Ø 2,3 mm for implants L 15 mm
4029085	Calibrated drill Ø 2,9 mm for implants L 8.5 mm
4029090	Calibrated drill Ø 2,9 mm for implants L 9 mm
4029100	Calibrated drill Ø 2,9 mm for implants L 10 mm
4029110	Calibrated drill Ø 2,9 mm for implants L 11 mm
4029115	Calibrated drill Ø 2,9 mm for implants L 11.5 mm
4029130	Calibrated drill Ø 2,9 mm for implants L 13 mm
4029150	Calibrated drill Ø 2,9 mm for implants L 15 mm
4038085	Calibrated drill Ø 3,8 mm for implants L 8.5 mm
4038090	Calibrated drill Ø 3,8 mm for implants L 9 mm
4038100	Calibrated drill Ø 3,8 mm for implants L 10 mm
4038110	Calibrated drill Ø 3,8 mm for implants L 11 mm
4038115	Calibrated drill Ø 3,8 mm for implants L 11.5 mm
4038130	Calibrated drill Ø 3,8 mm for implants L 13 mm
4038150	Calibrated drill Ø 3,8 mm for implants L 15 mm
4070010	Reduction ring 1 guided surgery
4070015	Reduction ring 1.5 guided surgery
4071098	Extractor for Mounter ø 1.8TC-R/CC
9609000	Extractor for mounter ø 1.5 TC-N
4071110	Mounter implant TC-R - <b>4 pcs</b>
4071111	Mounter implant TC-N - <b>2 pcs</b>
4071200	Millimetre Bite gauge
4074100	Lance-countersunk cutter
4074110	Tissue Punch
4074200	Fixing pin
4074201	Fixing pin guided guide - <b>4 pcs</b>
65358	Drill bone level
7102010	Long universal extension
7103048	Universal mechanical extension
7103073	Converters for square 3
7677403	Drill housing straight bases MU
7677404	Drill housing ang. bases MU
7677405	Guide screw for drill housing bases mu - <b>2 pcs</b>
9103030	Polyivalent Screwdriver TC
7103029	Screwdriver for straight Multi-Unit base
7671033	Digital transporter ang. bases MU
4010000	Guided surgery box

#### Empty surgical set

4010000	Guided Surgery Basic set
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Indications for use:  
box for instruments surgical are sterilizable in autoclave at 134° C



## 4 Intraoral scanning CAD-CAM

- Reusable Scan Bodies for laboratory and intraoral scanning
- Digital information recorded during scanning is used with all CAD and CAM software to plan and produce prosthetic parts



Scan Body available for TC (conometric connection) platforms also for screwed prostheses. Multysystem mathematics are available for the main CAD / CAM systems. Please refer to our updated list of supported systems available on our website:

[www.multysystem.com](http://www.multysystem.com)

- A variety of T-Bases for Cement and Screw-retained restorations on single or multiple implants
- Premilled blanks for monolithic restoration planning with Multysystem's original connection for precise fit
- Adhesive coping / direct mounting screw for screw-retained restorations
- Analogs for 3D printed models.

## CAD-CAM Prosthetic components

### Scan Body

Abutment Height	12 mm	12 mm	10 mm
Material: Titanium			
Prosthetic connection	TC-N	TC-R	UNIVERSALE
Code	9600001	9090001	9670001
Complete with through screw. Utilizzabile con scanner Intraorale e desk scanner			

### Pre-milled

Material: Titanium		
Prosthetic connection	TC-N	TC-R
	not rotation	
Code	9626002	9628002
Complete with through screw. Moncone fresabile con connessione originale preformata per fresatore ARUM		

### Digital analog

Abutment Height	12 mm	12 mm	10 mm
Material: Titanium			
Prosthetic connection	TC-N	TC-R	MULTI UNIT
Maximun diameter	ø 4.0	ø 4.5	ø 5.0
Code	9611501	9615001	8671500
Analog for molded models with fixing screws included			

### T Base

Abutment Height	4.5 mm	
Material: Titanium		
Treatment: Oxidation of titanium		
Prosthetic connection	TC-N	TC-N
ø massimo conicità	ø 3.8 mm	
ø minimo conicità	ø 3.5 mm	
Implants compatibility	TC-N	
	rotating	not rotating
Code	NDMSTC-NT-R	NDMSTC-NT
Bonding interface with connection preformed original. Complete with through screw		

### Mua T Base

Abutment Height	5.65 mm	
Material	Titanium	Cromo cobalto
Prosthetic connection	MUA	
Implants compatibility	CC - TC	
	rotating	not rotating
Code	ILCT	ILCC
Complete with through screw		

### Basi switch per CAD CAM • conometria attivata •

Abutment Height	6.5 mm (height adjustable)							
Altezza collo	1.0 mm	1.0 mm	2.0 mm	2.0 mm	1.0 mm	1.0 mm	2.0 mm	2.0 mm
Diameter	ø 4.0 mm							
Material: Titanium								
	TC-N				TC-R			
	rotating	not rotating	rotating	not rotating	rotating	not rotating	rotating	not rotating
Code	9621083	9621082	9621085	9621084	9096684	9096683	9096686	9096685
Complete with through screw. Bonding interface with pre-formed original connection.								

### Basi flat per CAD CAM • conometria non attivata •

Abutment Height	6.5 mm			
Altezza collo	1.0 mm	2.0 mm	1.0 mm	2.0 mm
Diameter	ø 4.0 mm			
Material: Titanium				
Treatment: Oxidation of titanium				
	TC-N	TC-N	TC-R	TC-R
	rotating			
Code	9621086	9621087	9096687	9096688
Complete with through screw. Bonding interface with pre-formed original connection.				

## 5 Performa milling center

Performa milling center

Authorized centers can produce any type of prosthetic solution:

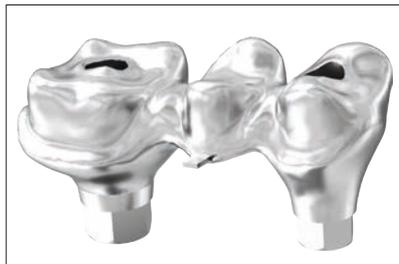
- Individual abutments and single elements direct screwed and bonding techniques
- Implant bridge (including Toronto type) direct screwed and bonding techniques
- Screwed bars on implants with preparation of attachments and threaded holes



PERFORMA



Customized Abutments



Milled Bridge





# MFS • MFD • MFD ALLY

monophasic implants



## Features of Monophasic implants

Multysystem monophasic implants are divided into different lines:

- Mini MFS    Mini implants with ball attachment
- MFS         Ball attachment
- Mini MFD    Mini implants with squared Straight abutment
- MFD         Squared straight abutment
- MFD L        Tapered straight abutment
- MFD ALLY    Adjustable fixed abutment

Design:

- Tapered one stage implants
- Self tapping with apical longitudinal antirotation drilling
- Polished transmucosal collar in order to facilitate the biocompatibility of the soft tissues

Monophasic implant thread-pitch:

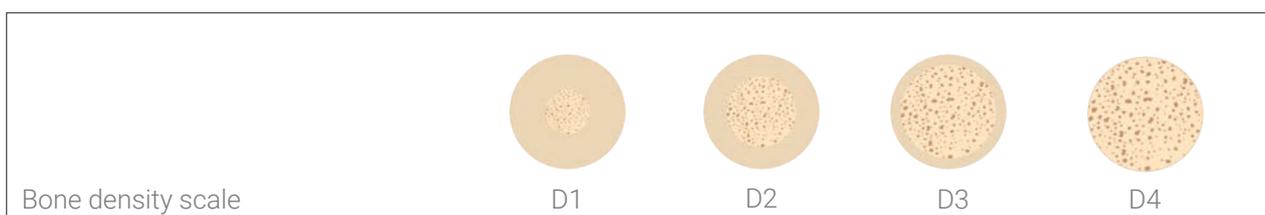
- 1.0 mm
- 2.0 mm

Monophasic implant measures:

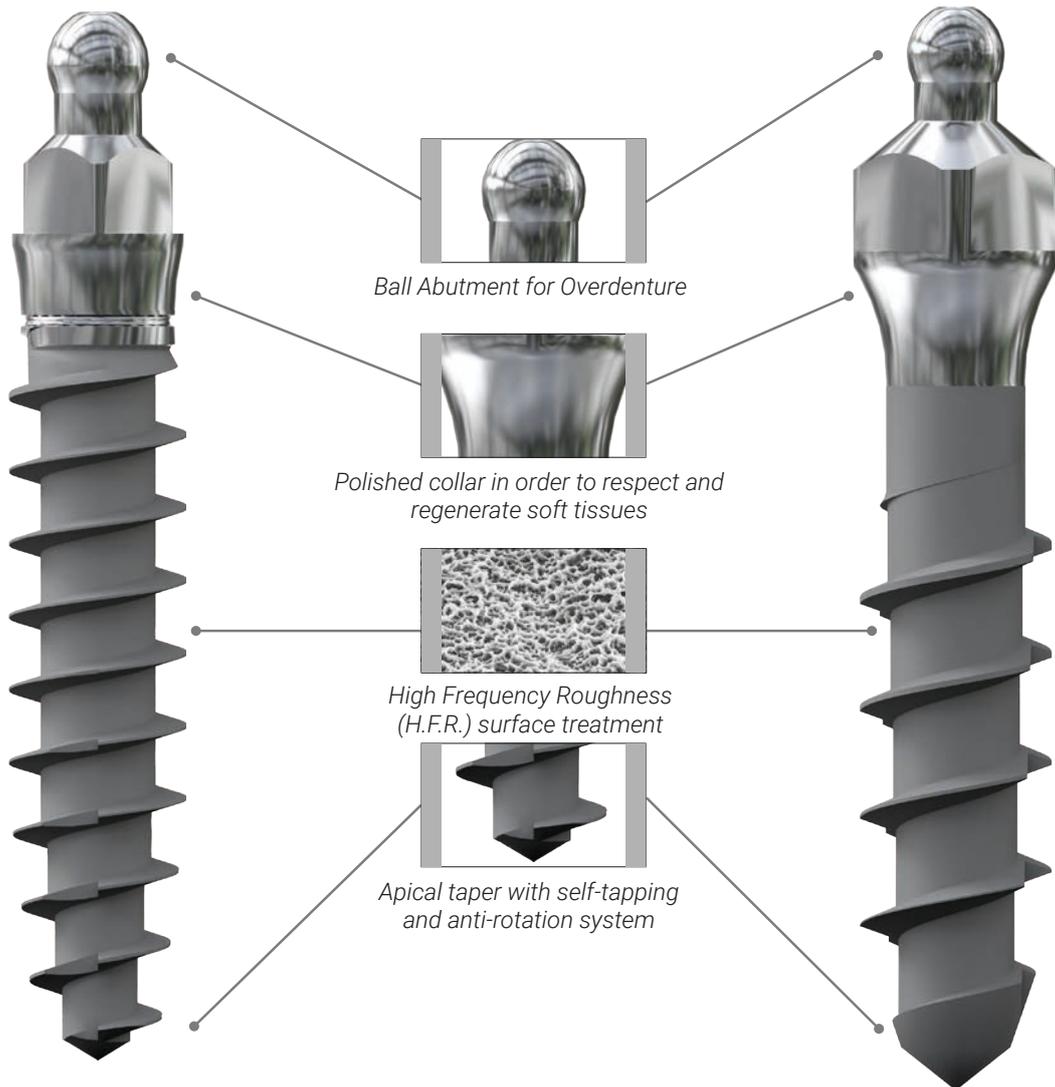
- Diameter from 2.5 to 5.0 mm
- Length from 7 to 17 mm

MFS • MDF IMPLANTS FEATURES SUMMARY TABLE

Implant line	Collar	Abutment	Thread pitch	Square or T. cone	Ball Diameter	Abutment Length	Application Indications
Mini MFS 1.0	Polished 1.5 mm	Spherical	1 mm	2x2 mm	1.8 mm		Front areas, preferably mandibular
MFS 2.0	Polished 2.5 mm	Spherical	2 mm	3x3 mm	1.8 mm		All areas
Mini MFD 1.0	Polished 1.5 mm	Straight	1 mm	2x2 mm	/	5.0 mm	Front areas, preferably mandibular
MFD 2.0	Polished 4.0 mm	Straight	2 mm	3x3 mm	/	5.0 mm	All areas
MFD-L 1.0	Polished 3.0 mm	Straight	1 mm	4x4 mm truncated cone	/	8.0 mm	All areas
MFD ALLY	Polished 2.5 mm	Straight orientable	1.5 mm	2.3/3.35 mm truncated cone	/	7.0 mm	All areas

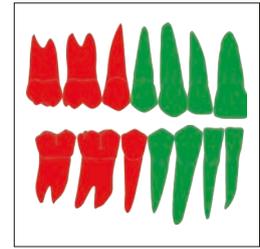


Features **MFS** monophasic implants  
spherical abutment and activated surface H.F.R.



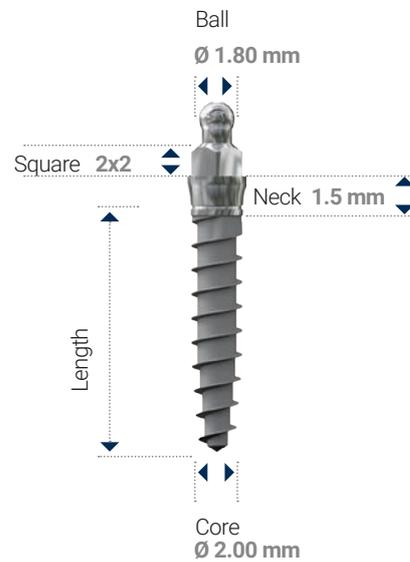
## Mini Implant 1.0 MFS

- Mini monophasic implants with micro ball attachment diameter 1.8 mm
- transgingival and self-tapping for overdenture
- 1,0 mm thread pitch for primary stability
- indicated in case of D1 or D2 bone
- mainly indicated in case of bone atrophy



Diameter	Ø 2.5 mm	Ø 3.0 mm
		
Thread-pitch	1,0 mm	
Ball	Ø 1,8 mm	
Square	2x2 mm	
Neck	Polished h 1.5 mm	
Length		
9.0 mm	7062509	7063009
11.0 mm	7062516	7063011
13.0 mm	7062518	7063013
15.0 mm	7062520	7063015
17.0 mm	7062521*	7063017*

\*WHILE STOCKS LAST



## Drill sequence

Centring  
drill  
Ø 1.8 mm

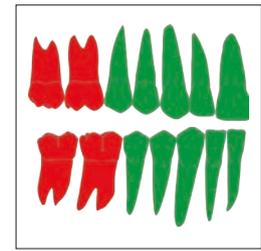


Calibrated  
drill  
Ø 2.0 mm

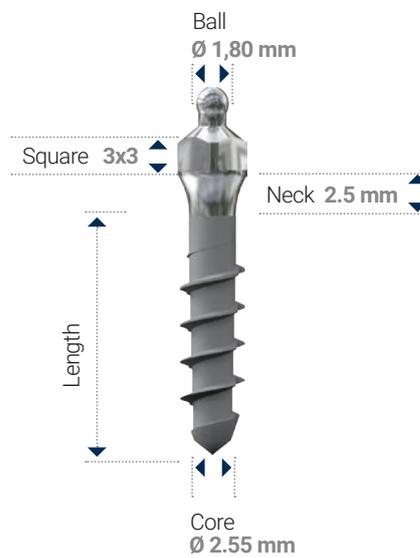


### Implant 2.0 MFS

- monophasic implants with micro ball attachment diameter 1,8 mm
- transgingival and self-tapping for overdenture
- 2,0 mm thread pitch to ensure primary stability in extension
- indicated in case of D3 or D4 bone
- indicated in all clinical situations and in post extractive sites



Diameter	Ø 3.5 mm	Ø 4.0 mm
Thread-pitch	1.0 mm	
Ball	Ø 1.8 mm	
Square	3x3 mm	
Neck	Polished h 2.5 mm	
Length		
9.0 mm	7083509	7084009
11.0 mm	7083511	7084011
13.0 mm	7083513	7084013
15.0 mm	7083515	7084015
17.0 mm	7083517*	7084017*

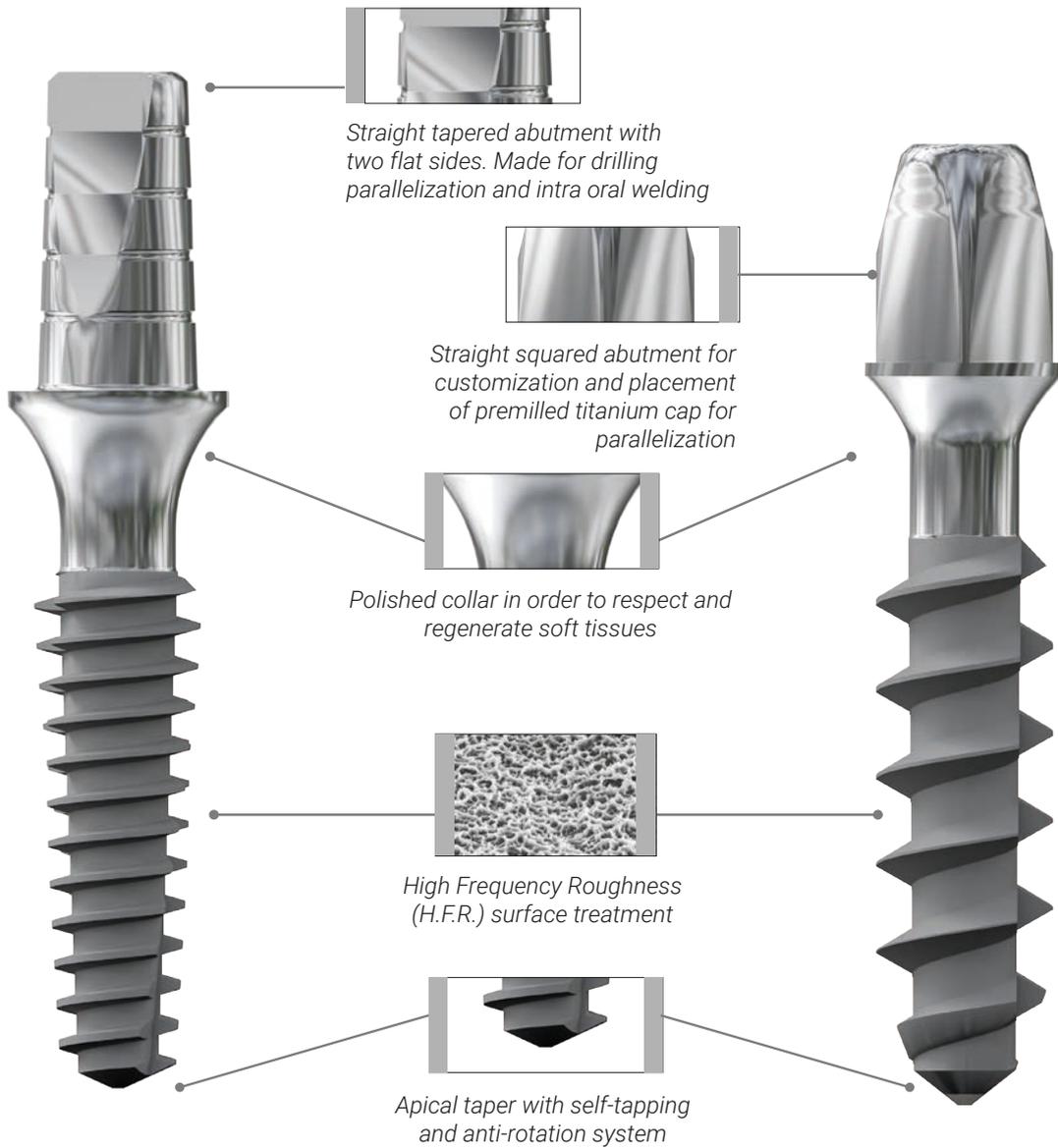


\*WHILE STOCKS LAST

### Drill sequence

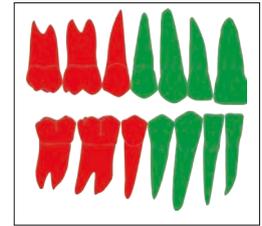
Centring drill	Final intermediate drill	Millimetre marked first drill	Millimetre marked trimmin drill
Ø 1.8 mm	Ø 2.0 mm	Ø 2.55 mm	Ø 2.85 mm

# Features **MFD** monophasic implants with straight abutment and activated surface H.F.R.

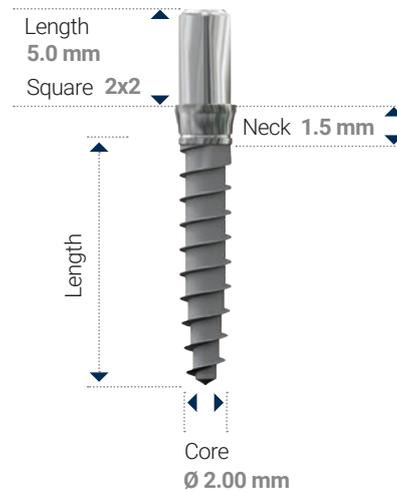


### Mini implant 1.0 MFD

- mini monophasic implants with squared straight abutment
- transgingival and self-tapping for fixed prosthesis
- 1,0 mm thread pitch for primary stability
- indicated in case of D1 or D2 bone
- mainly indicated in case of bone atrophy



Diameter	Ø2.5 mm	Ø3.0 mm
Thread-pitch	1.0 mm	
L. abutment	5.0 mm	
Square	2x2 mm	
Neck	Polished h 1.5 mm	
Length		
9.0 mm	7082509	7083009
11.0 mm	7082511	7083011
13.0 mm	7082513	7083013
15.0 mm	7082515	7083015
17.0 mm	7082517	7083017

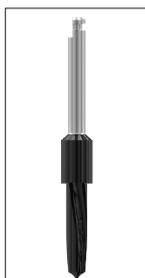


### Drill sequence

Centring  
drill  
Ø 1.8 mm

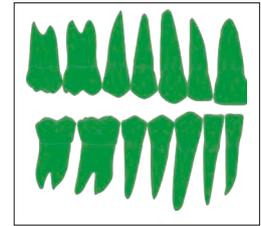


Calibrated  
Drill  
Ø 2.0 mm

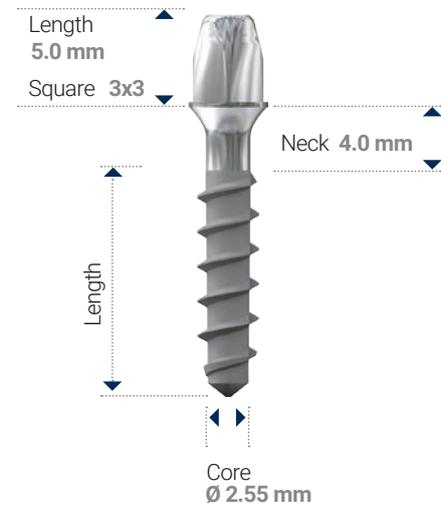


## Mini implant 2.0 MFD

- monophasic implants with squared straight abutment
- transgingival and self-tapping for fixed prosthesis
- 2,0 mm thread pitch to ensure primary stability in extension
- indicated in case of D3 or D4 bone
- indicated in all clinical situations and in post extractive sites



Diameter	Ø 3.5 mm	Ø 4.0 mm	Ø 5.0 mm
Thread-pitch	2.0 mm		
L. abutment	5.0 mm		
Square	3x3 mm		
Neck	Polished h 4.0 mm		
Length			
7.0 mm	7063516	7064016	7065016
9.0 mm	7063518	7064018	7065018
11.0 mm	7063520	7064020	7065020
13.0 mm	7063522	7064022	7065022
15.0 mm	7063524	7064024	7065024
17.0 mm	7063526	7064026	7065026

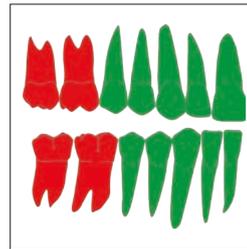


## Drill sequence

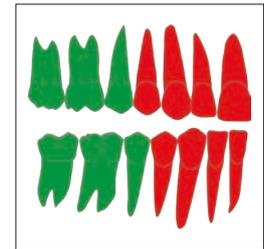


### Mini implant 1.0 MFD-L

- monophasic implants with extra long tapered straight abutment
- transgingival and self-tapping for fixed prosthesis and intra oral splinting with welding machine
- 1,0 mm thread pitch for primary stability
- mainly indicated in case of D3 or D4 bone
- indicated in all areas, mainly in frontals

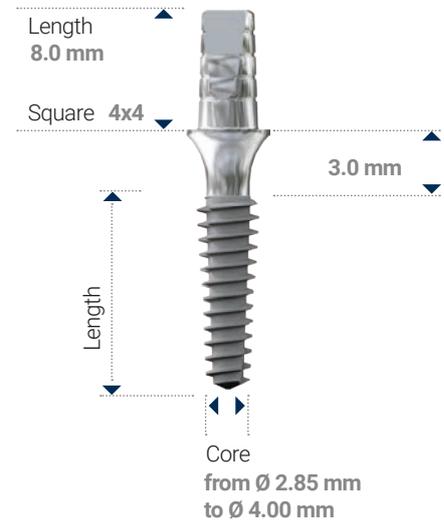


Ø 3.2/3.7 mm



Ø 4.2/4.7 mm

Diameter	Ø 3.2 mm	Ø 3.7 mm	Ø 4.2 mm	Ø 4.7 mm
Thread-pitch	1.0 mm			
L. abutment	8.0 mm			
Square	4x4 mm			
Neck	Polished h 3.0 mm			
Length				
7.0 mm			7164207	7164707
8.5 mm	7163208	7163708	7164208	7164708
10.0 mm	7163210	7163710	7164210	7164710
11.5 mm	7163211	7163711	7164211	7164711
13.0 mm	7163213	7163713	7164213	7164713
15.0 mm	7163215	7163715	7164215	7164715



### DRill sequence

Centring drill	Final intermediate drill	Millimetre marked first drill	Millimetre marked trimmin drill	Calibrated drill
Ø 1,8 mm	Ø 2.0 mm	Ø 2.55 mm	Ø 2.85 mm	Ø 4.00 mm

just for  
1.0 MFD-L  
Ø 4.7 mm

## Use of monophasic implants **MFS • MFD**

### How to use

The MFS – MFD immediate load monophasic transmucosal implants represent an effective solution for stabilising mobile and fixed prosthesis, even in the presence of atrophic mandibular ridges.

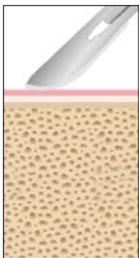
### Fixture site

After a thorough evaluation of the morphology and bone consistency, in order to assess whether to take action with or without elevation of the flap (transmucosal surgical approach), proceed to creating the bone site.

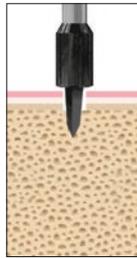
### Important

Once the implant placement procedure has been carried out, make sure that there are no micro movements and that primary stability has been achieved. Incorrect diagnosis assessment and inaccurate planning can cause the loss of the implant.

### Summary of the surgical steps for mini transmucosal immediate load MFS – MFD implants



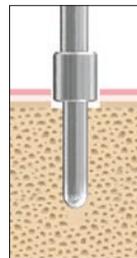
1 **Incision** of the mucosa



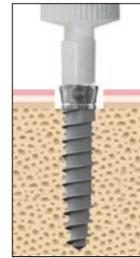
2 Creation of the insertion point with the **centring drill**



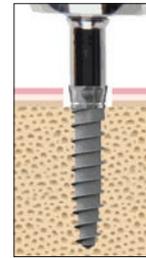
3 Calibration of the final diameter of the implant site with the **trimming drill**



4 Verifying the inclination with the **inclination marker**

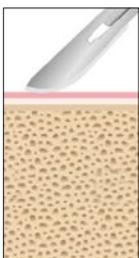


5 Placing the **fixture** in the mount transfer

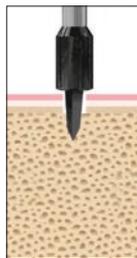


6 Screwing the **fixture** with the with the specific **extension** for mini implants

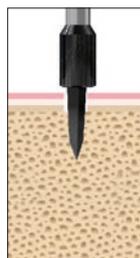
### Summary of the surgical steps for mini transmucosal immediate load MFS • MFD • MFD-L implants



1 **Incision** of the mucosa



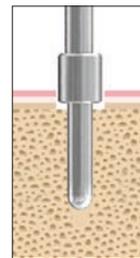
2 Creation of the insertion point with the **centring drill**



3 Perforation of the cortical bone with the **cortical drill**



4 Determination of the fixture orientation and the drilling depth with the **millimetre marked pilot drill**



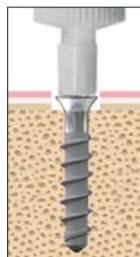
5 Inclination inspection with the **inclination marker**



6 Calibration of the final diameter of the implant site with the **trimming drill**



7 Tapping the bone site with the manual millimetre marked bone **tap** inserted in the ratchet

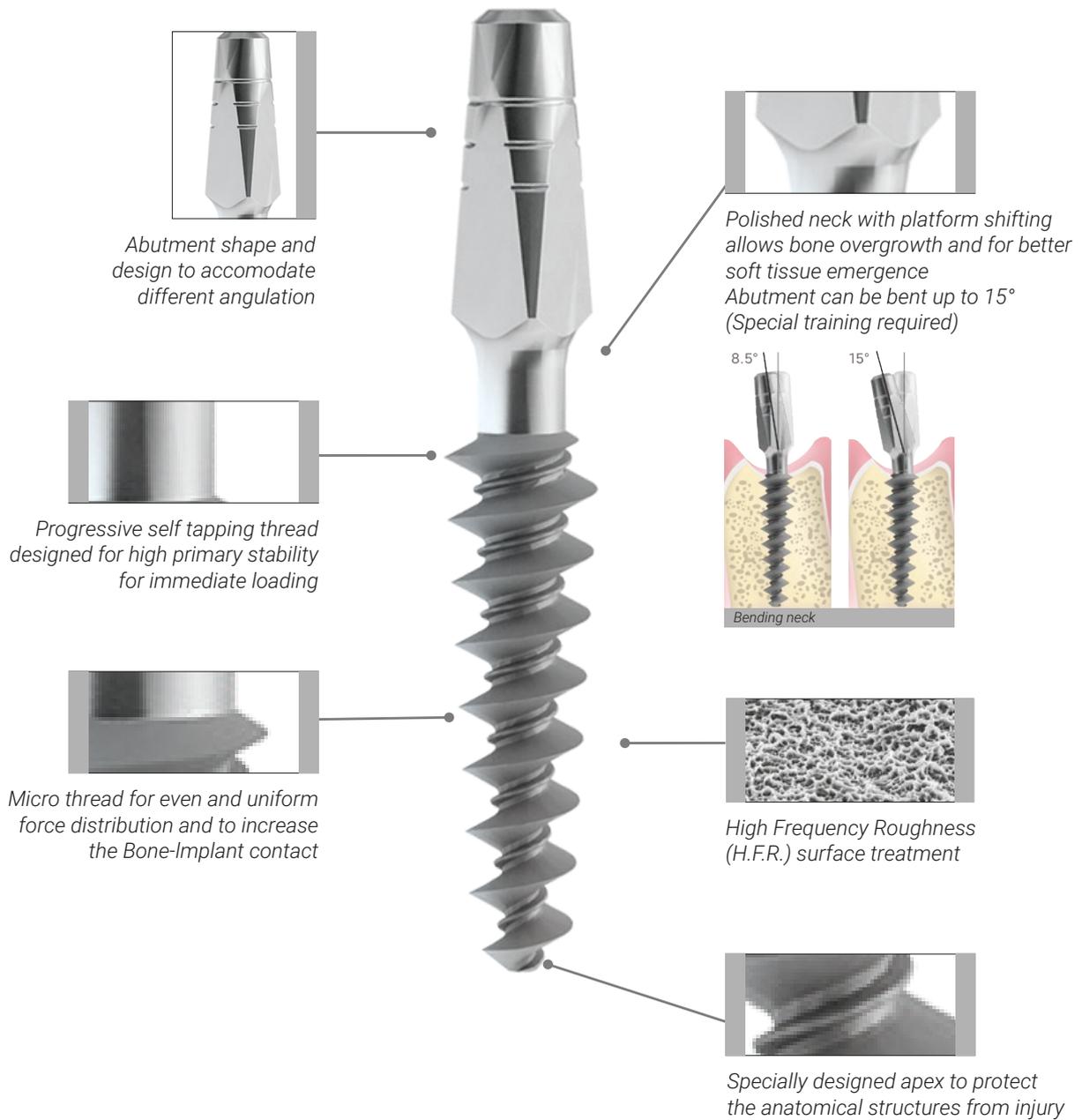


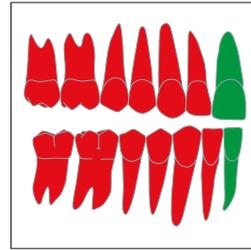
8 Placing the **fixture** in the bone site with the mount transfer



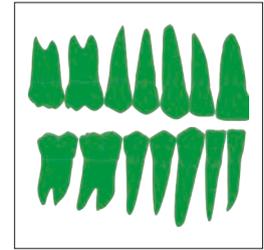
9 Screwing the fixture with the ratchet complete with the specific **extension** for mini implants

# Features **MFD ALLY** monophasic implants





Ø 3.2/3.7 mm



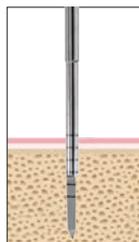
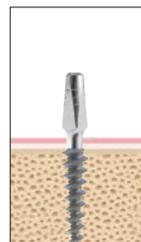
Ø 4.2/5.0 mm

- MFD Ally implants are made of Titanium alloy grade 23.
- Available in diameters from 3 mm to 5 mm and lengths from 7mm to 17mm.
- Double thread design to provide perfect primary stability and good osseointegration.
- H.F.R. surface treatment, neck is polished which is soft tissue friendly.
- Built platform shift to preserve alveolar bone levels and growth of thick keratinized soft tissue.
- Ally implant abutment can be bent up to 15 degrees (proper training is required) to help reducing the undercuts for prosthesis.

Diameter	Ø 3.0 mm	Ø 3.75 mm	Ø 4.20 mm	Ø 5.0 mm
				
Length				
7.0 mm	7193007	7193707	7194207	7195007
9.0 mm	7193009	7193709	7194209	7195009
11.0 mm	7193011	7193711	7194211	7195011
13.0 mm	7193013	7193713	7194213	7195013
15.0 mm	7193015	7193715	7194215	7195015
17.0 mm	7193017	7193717	7194217	7195017



## Use of monophasic implants **MFD ALLY**


 1 Centring drill  
Ø 1.8

 2 Ally drill  
Ø 2.1


3 Implant MFD ALLY

# Prosthetic procedures implants with straight abutment

## Impression

Taking the impression is carried out by conventional technique, using the specific transfers designed to simplify operating procedures. The transfers are coupled to the analogues in the laboratory and then the plaster model is developed. Once the plaster model has been created, the prosthetic artefact is prepared



Transfer placement

## Plaster model

To create the plaster model in the laboratory, proceed as follows:

- Coupling of the transfer with the coincident analog.
- Verification of the correct position of the transfer in the impression seat.

After completing these two phases, the plaster is poured into the impression, paying attention to the locking of the analog, in order to obtain maximum precision. Once the plaster model has been developed, on which the gingival margin is reproduced with soft resin in order to give the correct design to the emergence of the prosthesis, we move on to modeling the prosthesis.



Transfer coupled to the analogue



Plaster model with analogues



Prosthesis placement

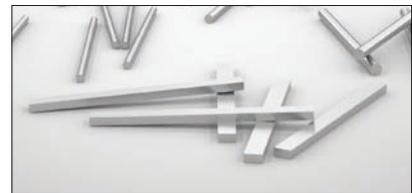
## Immediate loading on bar with intraoral splinting



Implants designed for immediate loading on a titanium bar by intraoral splinting.



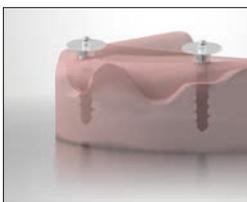
Maxweld is a medical device designed to weld implants directly into the oral cavity.



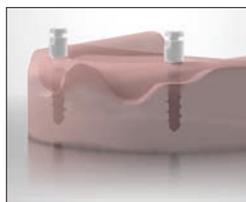
Medical grade 2 titanium bars for immediate loading. To be used with Grade 1 Titanium laser wire in all those cases where a union of the implant posts is required.

## Placing the mobile prosthesis

Check the oral cavity to make sure that the 4.5 mm diameter drain holes in the prosthesis match the implants and ensure there are no pre-contacts. Apply the protection disks to the base of the balls to prevent the relining cold resin from infiltrating in the undercuts. In cases of disparallelism use the directional rings before positioning the retentive cap (which will be incorporated in the prosthesis) over the ball. Fill the appropriate drain holes in the denture with cold resin and wait until it hardens with the prosthesis positioned in the oral cavity. Proceed with the finish and polishing and check occlusion. Where a pre-existing denture is used, only prepare 4.5 mm diameter drain holes on the lower surface of the prosthesis and proceed as already described



1 Placing the transfers



2 Placing the protection disks



3 Placement of retention caps



4 Retentive caps inserted into the prosthesis

## Prosthetic components MFS

Transfer and cap for MFS implants      3 pieces pack      Analogue

Diameter	4.25 mm	5.0 mm
Material: Teflon		
Code	7061010	7061012
MFS MFS transfer and Mini systems have a dual use - Allow Impression Taking - Act as healing caps.		

Implant	Mini MFS	MSF
Material: Titanium		
Code	7061505	7061515
The analogues are to be coupled to the transference to develop the plaster model.		

 Cappette Equator pag.24

## Prosthetic components MFD

Impression components      3 pieces pack

Implant	Mini MFD	MFD	MFD-L	ALLY
Diameter	4.40 mm	4.40 mm	5.40 mm	
Material: PMMA				
Code	7061000	7061011	8061011	7191000
The transfer to MFD and MFD Mini implants have a threefold use: - Allow Impression Taking - Act as healing caps - They can be used as copings prior castable wax-up and casting intraoral.				

Straight titanium cap      2 pieces pack

Implant	Mini MFD	MFD
Diameter	4.25 mm	5.0 mm
Material: Titanium		
Code	7061020	7061021

Pre-milled titanium cap      2 pieces pack

Implant	Mini MFD	MFD
Diameter	from 3.9 to 6	from 5.2 to 7.5
Material: Titanium		
Code	7061030	7061031
Copings titanium from 0 ° to 30 ° are drillable and indicated in the cases of parallelism.		

Analogue

Implant	Mini MFD	MFD	MFD-L Ø 3.2 and 3.7	MFD-L Ø 4.2 and 2.7	ALLY
Material: Titanium					
Code	7061500	7061510	8061510	8061511	7191505
The analogues are to be coupled to the transference to develop the plaster model					

# Drills & Instruments

## Pilot drill

	Centring drill	Final intermediate drill	Ally short drill	Ally long drill
Diameter	1.8 mm	2.0 mm	2.1 mm	2.1 mm
Material: Surgical Steel				
Treatment: DLC				
Length	10 mm	16 mm	12 mm	12 mm
Total length			35 mm	45 mm
Implants compatibility	all		MFD ALLY	
Code	7410120	FAB-0340/1D	7410135	7410130
	Indicated to create the implant site insertion point.	Indicated for drilling the cortical bone.	To finish monophasic Ally	

## Millimetre marked drills

	Millimetre marked first drill	Millimetre marked trimmin drill	Drills for compact bone	
Diameter	2.55 mm	2.85 mm	3.20 mm	4.30 mm
Material: Surgical Steel				
Treatment: DLC				
Tip length	17.0 mm	17.0 mm	16.0 mm	16.0 mm
Total length	40.5 mm	40.5 mm	34.0 mm	34.0 mm
Implants compatibility	all			
Code	7097401	7097417	FAB-0340/4D	FAB-0340/6D
The reference notches on the drills are indicative. It is therefore appropriate to apply the appropriate stops that determine the correct milling depth.				

## Depth stop

Material: Surgical Steel						
Height stop	7 mm	8,5 mm	10 mm	11,5 mm	13 mm	15 mm
Drills compatibility	Millimetre Drills Ø 2.55 and Ø 2.85					
Code	7105107	7105185	7105110	7105112	7105113	7105115
Use guidelines: the depth stop can be applied on the millimetre marked drills in order to precisely determine the maximum depth of drilling.						

## Locking rings

Pack 24 pieces

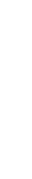
Material Surgical silicon	
	7103032

Use guidelines: It stabilises the connection of the depth stop to the drills and of bone taps, connectors and manual extensions to the locking keys. To maintain the efficient instruments, the locking ring should be replaced every ten made sterilizations.

### Calibrated drills for MFS - MFD mini implants

Diameter	2.0 mm				
Material: Surgical Steel					
Treatment: DLC					
Tip length	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Implants compatibility	Mini Implants MFS - MFD				
Code	7062409	7062411	7062413	7062415	7062416
The stop on the drills shows the depth of established milling.					

### Calibrated drill

Diameter	2.0 mm										
Material: Surgical Steel											
Treatment: DLC											
Tip length	5 mm	6 mm	7 mm	8.5 mm	9 mm	10 mm	11 mm	11.5 mm	13 mm	15 mm	17 mm
Implants compatibility	all										
Code	7077405	7077406	7077407	7077458	7077459	7077460	7077451	7077452	7077453	7077455	7077457
The stop on the drills shows the depth of established milling.											

### Countersink

Diameter	3.6 mm	double caliber $\varnothing 4.0 \cdot \varnothing 4.5$ mm
Material: Surgical Steel		
Treatment: DLC		
Tip length	10.0 mm	16.0 mm
Implants compatibility	<b>TC</b> 1.0 TC-R $\varnothing$ 3.7-4.2	<b>TC</b> 1.0 TC-R $\varnothing$ 4.7-5.2 2.0 TC-R $\varnothing$ 4.5-5.5
Code	7410120	7077402
They are indicated for the preparation of the implant site in order to help the positioning of the implant at the level of the bone crest.		

### Trephine for autologous bone recovery

	Trephine					Bone graft trephine
Diameter	3,5 mm	4 mm	4,5 mm	5 mm	6 mm	2,85 mm
Material: Surgical Steel						
Treatment: DLC						
Sharp length	14.0 mm					17.0 mm
Implants compatibility	all					
Code	7105035	7105040	7105045	7105050	7105060	7470190
They are indicated for the recovery of autologous bone						

### Mechanical tissue punch

Diameter	3.4 mm	4.2 mm	4.7 mm
Material: Surgical Steel			
Implants compatibility	MFS MFD Mini Implant	TC	TC
Code	7067111	7410110	7077410

### Manual tissue punch

Diameter	3.4 mm	4.2 mm	4.7 mm
Material: Surgical Steel			
Implants compatibility	MFS MFD Mini Implant	TC TC-N	TC TC-N
Code	7067116	7410116	7077416

Suitable for uncovering the head of the implants placed beneath the mucosa and for surgical transmucosal approach techniques

### Bone tap

Diameter	3.2 mm	3.7 mm	4.2 mm	4.7 mm	5.2 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm	5.5 mm
Material: Surgical Steel										
Thread pitch	1.0 mm					2.0 mm				
Tip length	17 mm					17 mm				
Implants compatibility	Every implant thread-pitch 1.0					Every implant thread-pitch 2.0				
Code	7232017	7092317	7092417	7072417	7072517	7062317	7092517	7072617	7092617	7072717
The notches on the bone taps indicate the depth of tapping										

### Straight driver

Material: Steel	
Square	3 (white o-ring) ©
Code	7103045

### ALLY screwdriver

Material: Steel	
Code	7103022
Manual screwing of implants MF ALLY or with ratchet 7103001 also to orientate ALLY abutment	

### Connectors for implants **TC**

Material: Surgical Steel						
Square	3 (white o-ring) ©					
Total length	12.5 mm	15.5 mm	18.5 mm	12.5 mm	15.5 mm	18.5 mm
	Short TC-N	Long TC-N	Maxi TC-N	Short TC-R	Long TC-R	Maxi TC-R
Code	9113046	9113047	9113048	9113146	9113147	9113148
Adapter for manual TC system to be used and to the handpiece. They link to the locking keys and to the handpiece, to place the internat hex classic connection implants.						

### Mechanical Connectors for implants **TC**

Material: Surgical Steel						
Square	3 (o-ring bianco) ©					
	Short TC-N	Long TC-N	Maxi TC-N	Short TC-R	Long TC-R	Maxi TC-R
Code	9103046	9103047	9103048	9103146	9103147	9103148
Mechanical connectors for implants TC						

### Universal Extension

Material: Surgical Steel					
Total length	11.5 mm	15 mm	11.5 mm	15 mm	
Implants compatibility	MFD-L	Mini Impianti	<b>TC</b>	<b>TC</b>	<b>ALLY</b>
Code	8062010	7062000	7102000	7102010	7062001
They link to the locking keys, to the connectors, the bone taps and to the handpiece. Universal extension cable to be used with 7103073 converter.					

### Mechanical Universal Extension

Material: Surgical Steel		
Implants compatibility	Mini Implants MFD MFS	all
Codice	7062048	7103048

### Multi-unit straight base extension

Material: Surgical Steel		
Square	3 (white o-ring) ©	
Implants compatibility	Mini Implants MFD MFS	<b>TC</b>
Code	7102015	7103048
They link to the locking keys, to the connectors, the bone taps and to the handpiece. Extension cable to be used with K2-Q3 converter		

### Variable Torque Dynamometric Ratchet BC1

Material: Surgical Steel	
Code	7103001

### Converters

Material: Surgical Steel		
	for square 3	for square 4
Code	7103073	7103074

## Connectors for torque wrenches

For implants

Material: Surgical Steel				
Square	4 (black o-ring)			
Code	7103015*	7103014*	9103113*	TC-R 9113113*
To used with 7103074 converter				

For Prosthetic screws

Material: Surgical Steel				
Square	4 (black o-ring)			
Implants compatibility	Mini • MFS-MFD	TC-N		
Code	9103103*	9103104*	9103105*	
To used with 7103074 converter				

Connector for ball abutments • OT Equator® abutments • Straight Multi-Unit bases

Material: Surgical Steel				
Square	4 (black o-ring)			
Implants compatibility	<b>TC</b>			
Code	9103005 *	7103105 *	7103037 *	
	Spherical abutment adapter for use with 7103074 converter	OT Equator® abutment adapter	Multi-Unit Straight Base Adapter to be used with 7103074 converter	
They connect to the dynamometrical keys for the implant insertion and for the prosthetic abutments tightening.				

### Manual polyivalent screwdrivers

For screws and abutments

Material: Surgical Steel			
Length	22.5 mm (short)	25.5 mm (long)	28.5 mm (maxi)
Implants compatibility	<b>TC</b>		
Code	9103020	9103030	9103034
Suitable for Multysystem prosthetic abutments			

### Polyivalent screwdrivers for angled screws

Material: Surgical Steel		
Length	25.0 mm (long)	29.0 mm (maxi)
Implants compatibility	<b>TC</b>	
Code	SESD	MESD
Multy-purpose mechanical screwdriver for inclined holes.		

### Mechanical polyivalent Screwdriver

Material: Surgical Steel			
Length	20.0 mm (short)	25.0 mm (long)	30 mm (maxi)
Code	9103120	9103130	9103134
Mechanical polyivalent Screwdriver TC			

### Long grip for mechanical polyivalent screwdriver

Material: Surgical Steel	
Code	7103036
Suitable for Multysystem prosthetic abutments	

### Screwdriver for ball abutment

Material: Surgical Steel	
Implants compatibility	<b>TC</b>
Code	9610110
Suitable for ball abutments	

### Screwdriver for straight Multi-Unit bases

Material: Surgical Steel	
Code	7103029
Screwdriver for straight Multi-Unit bases	

### Screwdriver for abutment OT Equator

Material: Surgical Steel	
Code	7610113
Screwdriver for abutment OT Equator	

### Direction guide

Material: Titanium		
Diameter	2.00 mm – 2.55 mm	2.55 mm – 2.85 mm
Implants compatibility	<b>MFS • MFD</b>	<b>TC</b>
Code	7063117	7103117
It is used to verify the correct alignment of the implants during the phase of implant site preparation		

### Mechanical drill extension

Material: Titanium	
Code	7103070
It helps the accessibility of the drills in presence of natural teeth adjacent to the implant site	

### Millimeter sizer alveolar/cortical

Material: Titanium	
Code	7109901
It allows the depth test of drilling	

### Titanium tweezer

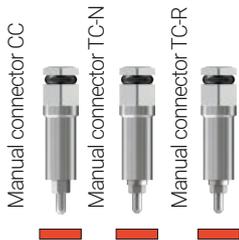
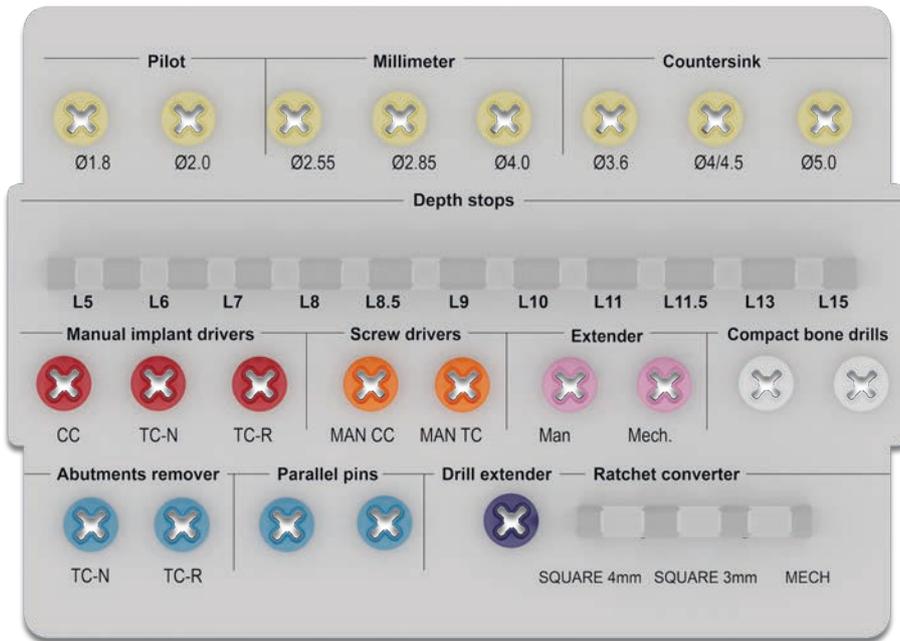
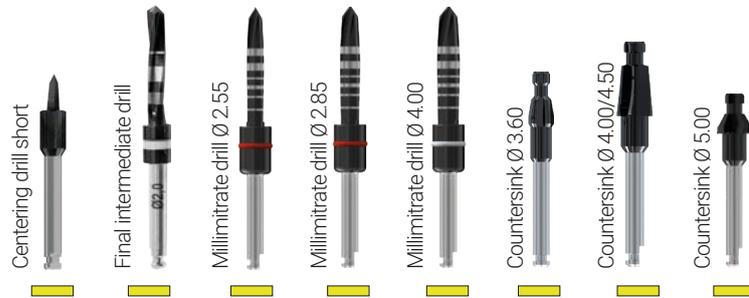
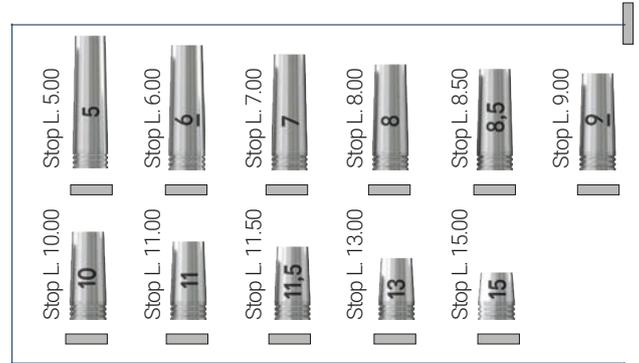
Material: Titanium	
Code	7103050
It is used for avoiding the contamination of sterile surgical instruments	

### Magnificator for implants

3 pieces pack

	7064000	7104000
	For monophasic implants. It is used overlapping the ortopantomography during the pre-surgical design	For biphasic implants. It is used overlapping the ortopantomography during the pre-surgical design

# Multysystem Basic Surgical Set



## Basic Surgical Set

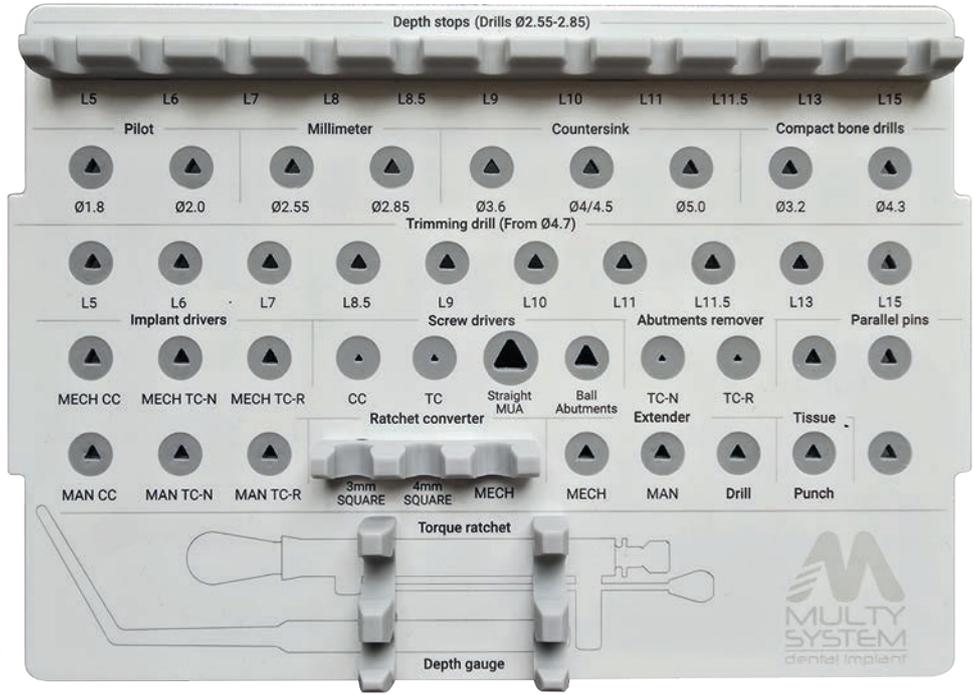
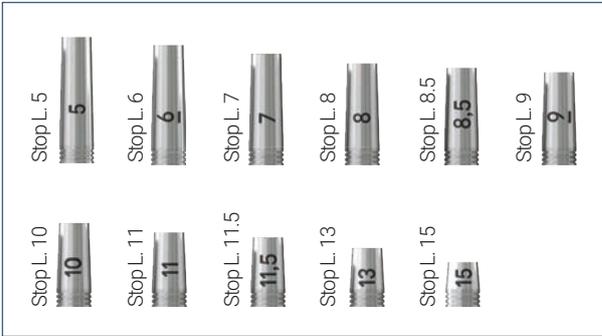
Codice	Descrizione
FAB-0340/1D	Final intermediate drill Ø 2
7002431	Dynamometric ratchet
7077402	Countersink Ø 4.0-4.5 mm
7077455	Calibrated final drill L.15 Ø 4.0
7097401	Millimetered initial drill Ø 2.55
7097402	Enlarger drill Ø 5.0
7097417	Millimetered initial drill Ø 2.85
7101010	Manual connector long CC
7102010	Universal extension long
7103030	Long Multi-purpose Manual Screwdriver CC
7103048	Universal mechanical extension
7103073	Converters for square 3
7103074	Converters for square 4
7103117	Indicator direction Ø 2.55-2.85 - <b>2 pcs</b>
7105105	Stop depth length 5
7105106	Stop depth length 6
7105107	Stop depth length 7
7105108	Stop depth length 8
7105185	Stop depth length 8.5
7105109	Stop depth length 9
7105110	Stop depth length 10
7105111	Stop depth length 11
7105112	Stop depth length 11.5
7105113	Stop depth length 13
7105115	Stop depth length 15
7410100	Enlarger drill Ø 5.0
9090901	Abutment extractor Ø 2.1 short TC-R
9103030	Long Multi-purpose Manual Screwdriver TC
9113047	Long connector for implants TC-N
9113147	Long connector for implants TC-R
9609000	Abutment extractor TC-N
7103996	Base Surgical Box

## Empty Surgical Box

7103996	Surgical box
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Indications for use:  
 box for instruments surgical are sterilizable in  
 autoclave at 134° C

# Multysystem Complete Surgical Set



## Complete Surgical Set

Codice	Descrizione
LD	Lance drill $\varnothing$ 2
FAB-0340/1D	Final intermediate drill $\varnothing$ 2
7002431	Dynamometric ratchet
7410100	Enlarger drill $\varnothing$ 3.6
7077402	Enlarger drill $\varnothing$ 4.0-4.5
7097402	Enlarger drill $\varnothing$ 5.0
7077405	Calibrated final drill L.5 $\varnothing$ 4.0
7077406	Calibrated final drill L.6 $\varnothing$ 4.0
7077407	Calibrated final drill L.7 $\varnothing$ 4.0
7077458	Calibrated final drill L.8.5 $\varnothing$ 4.0
7077459	Calibrated final drill L.9 $\varnothing$ 4.0
7077460	Calibrated final drill L.10 $\varnothing$ 4.0
7077451	Calibrated final drill L.11 $\varnothing$ 4.0
7077452	Calibrated final drill L.11,5 $\varnothing$ 4.0
7077453	Calibrated final drill L.13 $\varnothing$ 4.0
7077455	Calibrated final drill L.15 $\varnothing$ 4,0
7097401	Millimetre initial drill $\varnothing$ 2.55
7097417	Millimetre finish drill $\varnothing$ 2.85
7101010	Manual connector long CC
7102010	Universal extension long
7103030	Long Multi-purpose Manual Screwdriver CC
7103047	Mechanical connector implants CC
7103048	Universal mechanical extension
7103070	Drills mechanical extension
7103073	Converter square 3
7103074	Converter square 4
7103117	Indicator pin $\varnothing$ 2.55-2.85 - <b>3 pcs</b>
7105105	Depth stop L.5
7105106	Depth stop L.6
7105107	Depth stop L.7
7105108	Depth stop L.8
7105185	Depth stop L.8,5
7105109	Depth stop L.9
7105110	Depth stop L.10
7105111	Depth stop L.11
7105112	Depth stop L.11.5
7105113	Depth stop L.13
7105115	Depth stop L.15
7109901	Sizer
7410110	Circular mechanical scalpel $\varnothing$ 4.2
9090901	Abutment Extractor $\varnothing$ 2.1 short TC-R
9103030	Multi-purpose screwdriver TC
9103047	Mechanical connector TC-N
9103147	Mechanical connector TC-R
9113047	Manual connector long TC-N
9113147	Manual connector long TC-R
9609000	Abutment Extractor TC-N
7103995	Surgical box

## Empty Surgical Box

7103995	Surgical Box
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Indications for use:  
box for instruments surgical are sterilizable in autoclave at 134° C



## Surgical Set Monophasic Implants



### Surgical Set Monophasic Implants

Mini MFD • Mini MFS • MFD • MFD-L • MFS

Codice	Descrizione
LD	Lance drill $\varnothing$ 2
FAB-0340/1D	Final intermediate drill $\varnothing$ 2
7002431	Dynamometric ratchet
7062000	Mini Manual Extension
7062001	Extension monophasic ALLY
7062048	Mini Mechanical Extension
7062409	Calibrated trimming drill L.9 $\varnothing$ 2.0
7062411	Calibrated trimming drill L.11 $\varnothing$ 2.0
7062413	Calibrated trimming drill L.13 $\varnothing$ 2.0
7062415	Calibrated trimming drill L.15 $\varnothing$ 2.0
7062416	Calibrated trimming drill L.17 $\varnothing$ 2.0
7077455	Calibrated trimming drill L15 $\varnothing$ 4.0
7097401	Millimeter Initial Drill $\varnothing$ 2.55
7097417	Millimeter Finishing Drill $\varnothing$ 2.85
7102010	Universal Manual Extension
7103048	Universal Mechanical Extension
7103073	Converter square4
7410130	Fdrinal drill ALLY $\varnothing$ 2.1
8062010	Extension For Implants MFD-L
7063999	Box Mini

### Empty surgical box

7063999	Surgical box
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Indications for use: The boxes for surgical instruments can be sterilized in an autoclave at 134° C.

# Maxweld Welding Machine

Maxweld is a medical device designed to weld implants directly into the oral cavity.

It is a very useful tool for all implantologists who practice the immediate loading technique. It is a quick solution to create partial or total arcade reconstructions in short times. The implants are joined with titanium bars to their abutments by means of casting; in this way a single structure is created that is able to absorb the stresses of the immediate load and subsequently of the superstructure.

The primary stability obtained is to avoid micromovements (above 100 microns) of the transcortical neck of the implant, whether it is monophasic or biphasic, so as to trigger pre-implant resorption.



*Implants designed for immediate loading on a titanium bar by intraoral splinting.*

## Technical features

Weight	kg. 11.5 including cables and clamp
base	Galvanized steel
structure	ABS
casing	Portable in polypropylene - 60x42x22 cm
packaging	Double wall cardboard - 60x44x24
voltage	230v - 240v
frequency	50/60 Hz
maximum power absorbed	250 W
protection type	B
insulation class	I
power cord	2 mt.
fuse	2 a
electrical connector	Schuko plug
available colours	White • Black



*Medical grade 2 titanium bars for immediate loading. To be used with Grade 1 Titanium laser wire in all those cases where a union of the implant posts is required.*



## Advantages:

- Primary fixing and stability of the systems with maximum safety
- Early formation of a good marginal mucosal pericervical seal
- Immediate loading of implants with a surgical procedure
- Parallelism of the pillars of temporary installations
- No variation of traditional implantology techniques
- Significant reduction in the risk of system failure
- Delivery of the prosthetic device quickly and with less risk of fractures in temporary solutions thanks to the titanium structure

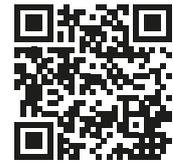
## Endowment:

- Operational unit
- Clamp with cable
- Control pedal
- Shockproof case
- Power cord

# T-Bar

Telescopic bar for immediate loading

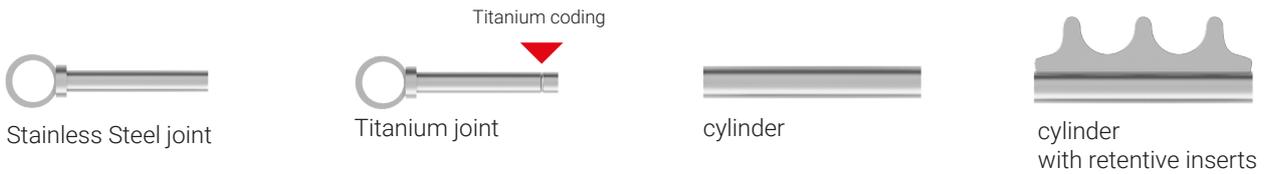
Telescopic bar designed by Laser Tech for immediate loading, with which it is possible to create structures that are screwed without strain on implants, with inserts (optional) for tooth retention using the gluing technique without fusions and welds. It can also be used for screwed bridges. Available in medical steel, and Grade 5 Titanium. In the Titanium version, it is possible to weld the joints to the turrets of the implants.



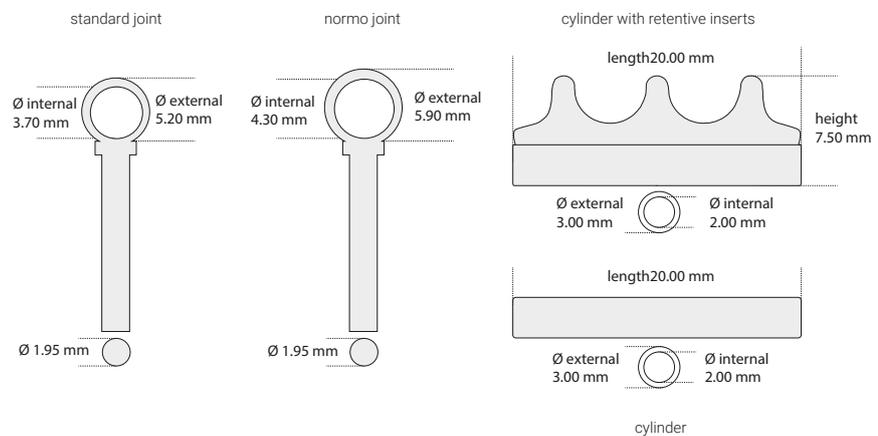
Use the QR CODE and go to T-BAR page



T-BAR components



T-BAR accessory dimensions



		Package
BT2i	Bar for 2 Implants with retentive inserts	2 joints standard Titanium 1 retentive cylinder
BT4	Bar for 2 Implants	6 joints standard Titanium 3 cylinders
BT4+	Bar for 4 Implants with Cantilever	8 joints standard Titanium 3 cylinders
BT4i	Bar for 4 Implants with retentive inserts	6 joints standard Titanium 3 retentive cylinders
BT6	Bar for 6 Implants	10 joints standard Titanium 5 cylinders
BT6+	Bar for 6 Implants with Cantilever	12 joints standard Titanium 5 cylinders
BT6i	Bar for 6 Implants with retentive inserts	10 joints standard Titanium 5 retentive cylinders
T-A	T-BAR adapters	1 pair

## System Bar

Titanium bars for immediate loading  
 Medical grade 2 titanium bars for immediate loading.  
 To be used with Titanium Grade 1 laser wire in all those cases where a union of the implant abutments is required.



	Description	Length	Tot. length	ø	Q.ty
LTBT15/10	Round Bar	10	50	1.5	5
LTBT20/10	Round Bar	10	50	2.0	5
LTBT25/10	Round Bar	10	50	2.5	5
LTBT30/10	Round Bar	10	50	3.0	5
LTBT15/15	Round Bar	15	75	1.5	5
LTBT20/15	Round Bar	15	75	2.0	5
LTBT25/15	Round Bar	15	75	2.5	5
LTBT30/15	Round Bar	15	75	3.0	5
BRT100	Rectangular Bar	10	50	4.0x2.0	5

## DualTech methacrylic microhybrid bi-component cement

DualTech is an A3 White Covering Colour, microhybrid methacrylate cement. Its particular composition makes it self-curing and guarantees excellent opacity in all conditions of use. DualTech is used successfully both in the laboratory and in the studio in all circumstances where the cementing of metal parts such as the application of dental attachments, cementing of bridges and ceramic metal crowns, zirconium, lithium silicate and alumina - is necessary. In order to considerably increase adhesion between the parts to be cemented, the use of Primer P-TECH is recommended. We recommend the use of light curing lamps with an exposure of 20 to 30 seconds; however, it's also possible to exploit the self-curing capacity of DualTech with a 7 to 8 minute solidification time. DualTech is also an indispensable tool for working with the full range of TBar products as it is not only remarkably easy to apply but it is able to maintain its seal over time with reduced drying times and, above all, a total absence of retractions and twists that could compromise the integrity of the structure.



		Package
LTBT15/10	DualTech	5 ml in syringe + 10 tips
LTBT20/10	P-Tech Primer	5 ml in bottle + 10 brushes

## G-Tech Ethyl cyanoacrylate

Low viscosity ethyl cyanoacrylate specific for plaster, metal, wax, resin and composites

2 small bottle of 20 Grams each



GTECH	Ethyl Cyanoacrylate
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## A-Tech Accelerator for G-Tech

Accelerator for G-Tech reduces the setting times of ethyl cyanoacrylate.

1 spray can 200 ml



A TECH	Acceleratore per G-TECH
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# Implant Drive Unit

Produced by MARIOTTI

MiniUNIKO C.L	MiniUNIKO C	MiniUNIKO F
<ul style="list-style-type: none"> <li>• Monitoring unit with a peristaltic pump</li> <li>• Autocalvable induction microengine LED</li> <li>• Multifunction rudder with variable speed</li> <li>• Two steril tubes for irrigation</li> </ul>	<ul style="list-style-type: none"> <li>• monitoring unit with a peristaltic pump</li> <li>• Autocalvable induction microengine LED</li> <li>• Multifunction rudder with variable speed</li> <li>• Two steril tubes for irrigation</li> </ul>	<ul style="list-style-type: none"> <li>• Monitoring unit with a peristaltic pump</li> <li>• Autocalvable induction microengine LED</li> <li>• Pedal on/off</li> <li>• Two steril tubes for irrigation</li> </ul>

**Main features:**

- Supply voltage: 230 V - 115 V ; 50/60 Hz • Power consumption: 109 VA • Electronically limited Torque: up to 80Ncm (32:1), 70 Ncm (20:1) • Speed: 400-40000 rpm (without reduction handpiece value) • Isolation: Class I, type BF • Max capacity peristaltic pump: 90 ml/min • 10 programs impostabili • Irrigation and led automatically or separately operated by the engine start

**Immediate use and practicality:**

- New practice PERISTALTIC PUMP: quick tube change and maximum efficiency • Touch keyboard and wide display • Multifunction rudder for the variable speed engine control/MiniUnico C.L & C), inversion of rotation, irrigation, recall of the 10 memorable programs. (optional in the MUN.F version)

**High and constant performance in all condition:**

- Brushless engine and next-gen electronic control • Precise setting of speed parameters (max 40.000 rpm) and torque (max 80 Ncm) • Sterilization: long term of the autoclavable parts (engine, cable e connector)

**Weight and dimension:**

- Weight 3 Kg. › Height (maximum point) 104 cm › Width 235 cm › Depth 255 cm

## Handpieces for Implant Drive Unit

C20L	C20
Optic handpiece: for LED engines. reduction 20: 1, external and possible internal irrigation. Maximum strength. reliability for reaching the highest values of torque.	Classic handpiece: reduction 20: 1. external and possible internal irrigation. Maximum reliability and performances also because of the system with bearing in head.

## Implantmed W&H®

W&H Implantmed provides more safety in treatment for the doctor and his patients.

Thanks to its intuitive user interface, colorful touchscreen and glass display, the new Implantmed offers the highest level of comfort.

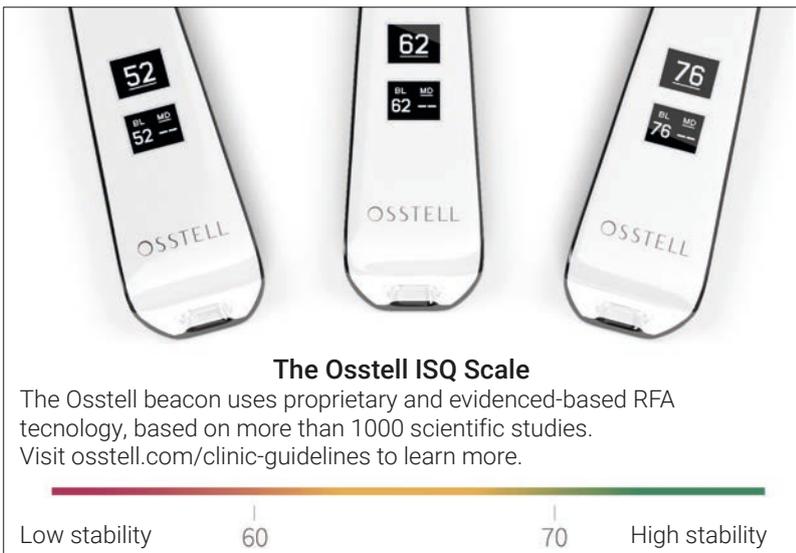
The drive unit is ideal for the purpose with its mechanical tapping function, automatic torque control and W&H Osstell products (available as an accessory) for precisely measurable implant stability.



# Osstell Beacon

**Osstell Beacon communicates in seconds when the implant is ready to be loaded.**

- Evaluation of implant stability and degree of osseointegration
- Reduction of treatment times and better management of patients at risk
- Optimal and intuitive use of ISQ measurements
- Easy interpretation of results thanks to intuitive color coding on the ISQ scale
- Data extraction, file sharing and analysis of implant and therapeutic data via Osstell Connect



Management of exposed patients  
 Treatment times  
 Objective values for more predictable results with reduced risk factors

# Sinus Lift

## Easy Bone Management

30377

For storing and organizing EBM drills.



## EBM drills

Material: INOX - WC			
	Diameter	5	7
	Spherical EBM drill	Spherical EBM drill	Oval EBM drill
Code	29317	29320	29323
	For sinus elevation with EBM technique, in compact bone.	For sinus elevation with EBM technique, in soft bone.	To model the crestal portion of maxillary bones.

## Sinus tray

Code	Description
DE	drill extender
SPD	standard pilot drill
SPI	standard start drill
SD5	standard drill h. 5 mm
SD6	standard drill h. 6 mm
SD7	standard drill h. 7 mm
SD8	standard drill h. 8 mm
SBL	standard body lift
APD	advanced pilot drill
AID	advanced start drill
AD2	advanced drill 2 mm
AD3	advanced drill 3 mm
AD4	advanced drill 4 mm
ABL	advanced body lift
RBL	ratchet body lift
SD9	sinus drill h. 9 mm
SD10	sinus drill h. 10 mm
SD11	sinus drill h. 11 mm



# Warnings and sales conditions

## Warnings

### 1. Manufacturer responsibility

The Multysystem implant-restoration system is made up of a number of medical devices for Dentistry according to the Directive, aimed at dental restoration of the oral cavity of human beings. The instruments and components dedicated for this purpose make up an integral and indispensable part of the system and must therefore always be used for the application of Way dental implants, scrupulously following the instructions and recommendations supplied by the manufacturer (according to the Directive). Every use of the Way system which is different from the one stated or the use of instruments or components in a manner different to the one foreseen or the use of instruments or components which do not belong to the system, produced by third parties, compromises the functionality of the Way system and is considered as 'improper use', exonerating the manufacturer from any obligation or responsibility. Information concerning the use of Multysystem products is supplied to the user in written form in paper documentation, like the instructions for use, surgical and restorative protocols, in electronic form (audiovisual and IT instruments) or potentially through practical demonstrations (training courses). These correspond to the current state of art recognized on commercialization of the product and only constitute a supplement to a professional education and experience, as they are not sufficient for an immediate use of the Multysystem implant systems.

### 2. User responsibility

carried out by the Clinician in total autonomy of judgement and according to the knowledge assumed by the acceptance into the medical-health profession and subsequent professional refreshers; no responsibility can be attributed to IESS Group Srl for damages of a nature that derive from such acts. The availability of technical-scientific information supporting the client, in fact, does not exonerate the user from the obligation to personally verify the suitability of the product to the purpose of the foreseen procedures. The user is obliged to continually update his knowledge on the development and the applications of the Multysystem implantological systems. Any use of the system different from the one given, is considered as 'improper use', exonerating the manufacturer from any obligation or responsibility. For uses not expressly foreseen or advised, the user must contact the manufacturer and obtain explicit authorization. The working, handling, and application of the product is performed outside of the manufacturer's control and therefore the responsibility falls to the user. For endoral application of medical devices, it is advisable to always adopt the necessary precautions (e.g. dental dam) in order to eliminate the risk of accidental inhalation.

### 3. Guarantee

The manufacturer, within the terms and conditions of sale, guarantees that the products do not have any defects. IESS Group Srl recognizes a guarantee of twelve months from the delivery date of the product. IESS Group Srl is obliged to substitute the quantity of products recognized as defective due to manufacture or origin. The guarantee is forfeit and any form of recompense from the manufacturer is excluded should there be improper product use, according to the cases listed in paragraph 1 (manufacturer responsibility) and 2 (user responsibility). Returns must be previously agreed on with the manufacturer and accompanied by the specific documentation. Information on the existence of patents, brand protection rights or other intangible goods is not legally binding.

### 4. Documentation

The brochures and detailed instructions for use for the implantological Multysystem systems must be requested from our commercial representatives, area dealers or directly from the head office. Customer service: telephone: +39 0432 669191 e-mail: [servizioclienti@iess.dental](mailto:servizioclienti@iess.dental) website: [www.iess.dental](http://www.iess.dental) Information herein contained shows the state of the art at the moment of commercialization of the product. This does not exonerate the user from the responsibility of personally verifying that the product is suitable for the purposes and procedures foreseen.

### 5. Seminars and educational course

IESS Group Srl regularly organizes seminars and educational courses in order to allow users of their products to be informed and refresh their knowledge on the characteristics and on the suitable use of the Multysystem implant systems.

### 6. Product identification

All Multysystem products are identifiable by the article and lot code shown on the accompanying label of the medical devices.

### 7. Sales packaging

Unless otherwise indicated in the catalog, each product unit identified by the article code is sold in single packaging.

### 8. Delivery and availability

Multysystem products are sold to Dentists and Dental laboratories, or for them, according to the relevant competences. Some components may not be available in some Countries or commercial areas.

### 9. Copyright

Way is a registered brand.

### 10. Note

For anything not shown in these warnings, see the technical specifications, conditions of use and instructions contained in the Multysystem informative materials.

## Ordering method

1. On placing orders, always refer to the article code.
2. Orders that are received before 12.30 p.m. will be delivered by the end of the following day depending on entity, availability and particular zones.

## Sales conditions

1. These terms and conditions of sale are intended as accepted by the client on delivery of the order. Any variations, the stipulation of which are hereby illustrated, shall only be valid if accepted by IESS Group Srl in writing.
2. Regarding market conditions, IESS Group Srl reserves the right to modify products, contents of catalogs and prices at any time and with no prior forewarning.
3. Freight charges are paid by the customer. Goods are shipped at the customer's risk even when delivered DAP destination.
4. The delivery terms may undergo variations. Any misunderstandings owing to shipping inefficiency cannot be attributed to IESS Group Srl.
5. IESS Group Srl reserves the right to carry out partial delivery.
6. The price list applied is the one valid at the time of the order. Payment of orders must be according to payment method and within the terms established. In the case of default, IESS Group Srl reserves the right to vary the conditions of payment for subsequent supplies or to put into practice every effective or precautionary measure to totally recoup any outstanding credit.
7. Any complaints, relative to a lack of adherence to the terms and conditions of sale, must be communicated in writing to IESS Group Srl Customer Service within 8 (eight) days of receiving the goods.
8. IESS Group Srl srl offers you the possibility to substitute products purchased under the following conditions:
  - product cost equal to or above (payment of any difference by client);
  - within 12 months of the invoice date and within 6 months of the product going out of date shown on label;
  - residual product whole; original packaging complete and sealed;
  - product accompanied by transport documentation and a copy of the purchase invoice;
  - should these above mentioned conditions not be fulfilled, the product will not be considered suitable and will be returned to the sender and all shipping costs will be charged. IESS Group Srl recognizes the right of withdrawal within 14 working days from the date of the delivery of the goods.
9. IESS Group Srl declines any responsibility for any involuntary errors in the catalog and price lists.
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