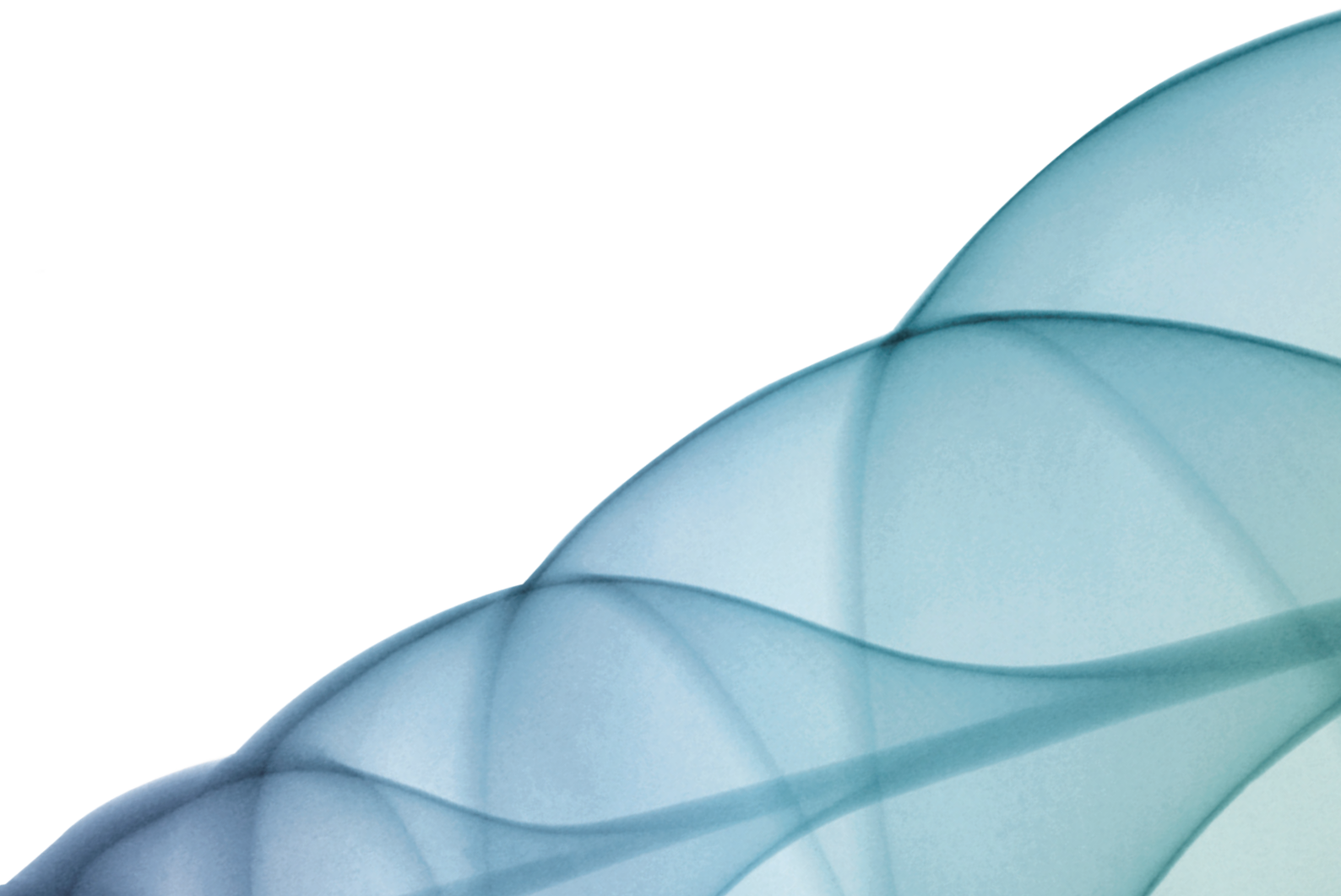
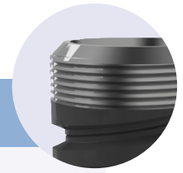
MPI Short® System

We implant a better future



Advantages MPI Short®

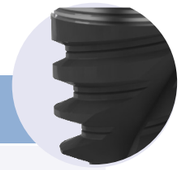
The MPI Short® dental implant has a straight and partially conical body with an active thread profile that provides good primary stability. The length and characteristics of the MPI Short® dental implants are designed to offer an optimal solution for compromised cases, in which the bone height is insufficient to accomodate standard lenght dental implants.



Coronal Design

Designed with a micro thread to reduce the reabsorption of the vertical crestal bone. This characteristic improves the load distribution and its fatigue resistance.

The design allows to obtain higher values of initial stability due to the osteotome effect generated during its placement. The platform switching is guaranteed by the machined level of 0,4 mm, which creates a biological width that helps preserve bone levels.



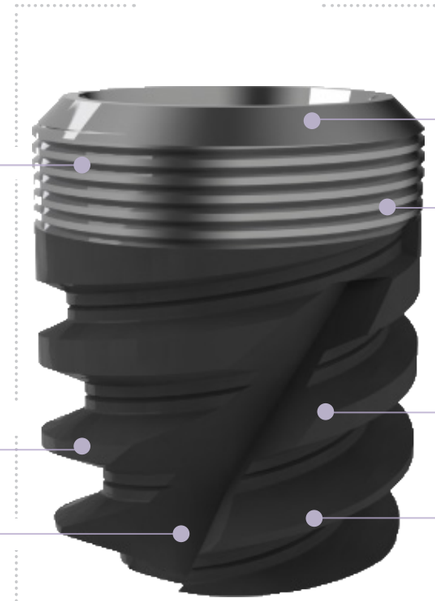
Thread Design

The double entrance of the threads enables an easy and continuous insertion of the dental implant. The active and self-tapping threads increasing in the apical direction condense the bone gradually, obtaining high initial stability quotients in any type of bone densities.

Apical Design

Its double helical cutting sides, as well as its active apex allow an axial condensation of the bone, achieving a gradual osteotome effect.

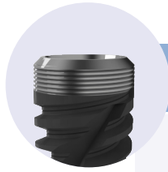
INTERNAL
CONNECTION
CONICAL SEAL



Conical Seal Design

The double internal hexagon permits a fast and adjusted insertion of the prosthetic components, achieving a completely hermetic mechanical closing and tightness.

The mono-block behaviour prevents bacterial filtrations and strengthens the design avoiding the physical fatigue when they work as a set.



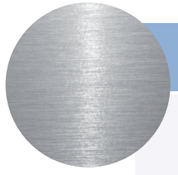
Leeway to Manoeuvre and React

MPI has designed a machined surface in the coronal area of the implant in order to be able to react to bacterial colonizations in initial stages.

Decontamination processes are more effective and faster and a minimization of the bone loss is granted.

Surface Treatment Integratec®

Double surface treatment. Its optimal macro- and microstructure favours the adherence of osteoblasts and increases the bone-implant contact.



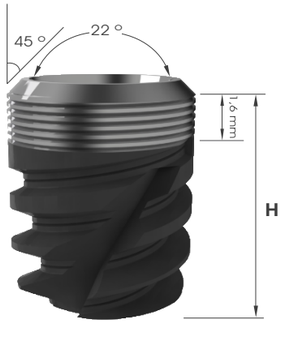
High Performance Titanium

The Grade IV Titanium used for the MPI Short® dental implants is cold formed. This treatment of the material improves its hardness by 20%, thus increasing the resistance of the implant to higher insertion torques. Material of German origin.

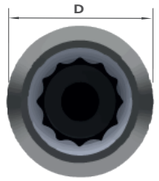
MPI Short® CM

Internal Connection Conical Seal

Product features



- The microthreads in the coronal area help to reduce the reabsorption of the crestal bone.
- The height of the active threads allow an optimal anchoring in reduced bone situations.
- Two helical cutting sides condense the bone gradually, obtaining high initial stability quotients in all types of bone densities.
- Maximum resistance of the implant and its connection due to the use of cold-formed Titanium Grade IV.
- The placement is made with the hand piece connector which goes directly into the implant.
- Suitable for restorations in the posterior area with reduced bone heights.



H - Length (mm)	D - Diameter (mm)
ISCM	Ø 5
6	ISCM56
7	ISCM57
8,5	ISCM58

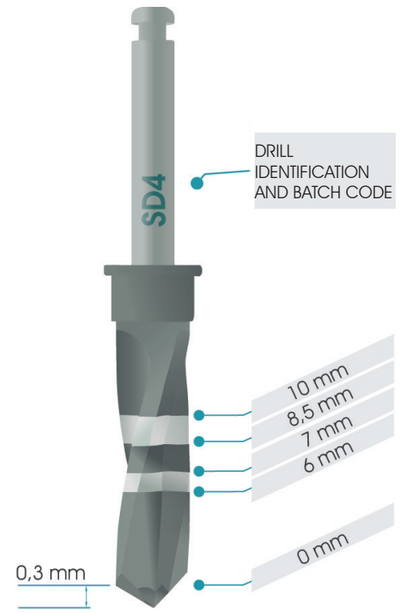
Cover Screw

- Made of Titanium Grade V with an anodizing treatment.
- Use with screwdriver hexagonal manual Ø 1,2 mm (SDHM 121 / SDHM 122).

Ø 5
SCM595

Drilling sequence ISCM

Diameter of implant (mm)	Ø 5
Lance drill	●●●●
Drill Ø 2,0 mm	●●●●
Drill Ø 3,0 mm	●●●●
Drill Ø 4,0 mm	●●●●
Drill Ø 4,8 mm	●●●●
Drill Ø 4,8 mm straigth	●●●●



● BONE TYPE IV ● BONE TYPE III ● BONE TYPE II ● BONE TYPE I

Prosthetic Components

Internal Connection

Conical Seal

Healing Abutment Straight

- Made of Titanium Grade V.
- Maximum torque recommended 10 N·cm.
- Use with screwdriver 1,2 mm (SDHM121 / SDHM122).

	ø 5
2 mm	SCM505
3 mm	SCM506
4 mm	SCM507

Impression Coping Open Tray

- Made of stainless steel.
- Maximum torque recommended 10 N·cm.
- Use with screwdriver 1,2 mm (SDHM121 / SDHM122).

Implant Analog

- Made of stainless steel.

Ø 5
EXC750

Abutment Screw

- Made of Titanium Grade V.

Ø 5
SCM536

Cr-Co Base Castable Abutment

- Maximum torque recommended 30 N·cm.
- For direct implant restorations.
- For cemented prosthesis.
- All non-rotating castable abutments are in black color and the rotating castable abutments in white color.
- Served with abutment screw (SCM536).

	HEXAGONAL	CYLINDRICAL
Ø 5	SCM576	SCM578

Ti-Base

- Manufactured in Titanium Grade V and Titanium Nitride (TiN) coating.
- Served with the abutment screw (SCM536).

	HEXAGONAL	CYLINDRICAL
Ø 5	SCM601	SCM603

Scanbody

- Made of Titanium Grade V.
- Surface treatment to avoids reflection.
- Abutment screw (SCM536) included.

Ø 5
SCM611

General **Information**

Packaging Opening Instrutions

Designed for easy identification of each implant. According to the color of the cardboard box, we can find:

- Blue packaging: Implant MPI Short® CM

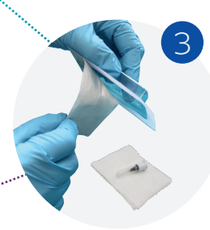
Inside the cardboard box there are the instructions for use, the international implantable product card and the dental implant blister.

1

Remove the blister from the box. Check that the blister and the label are intact and that the irradiation label is red.

2

Remove the Tyvek® from the blister. Reserve patient labels for the patient history and international implantable product cards.



3

Deposit the dental implant on a sterile surface.

4

Remove the white cap from the tube.

5

Attach the H/P CONNECTOR to the dental implant and place according to surgical criteria.

6

Inside the cap is the cover screw.

7

With the motor or manual screwdriver, remove the cover screw from the cap and thread it on the dental implant.

International Implantable Product Card

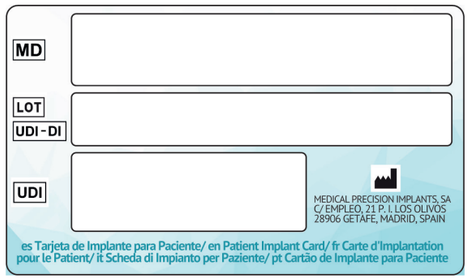
MPI will deliver with each of its implantable products, an international implantable product card.

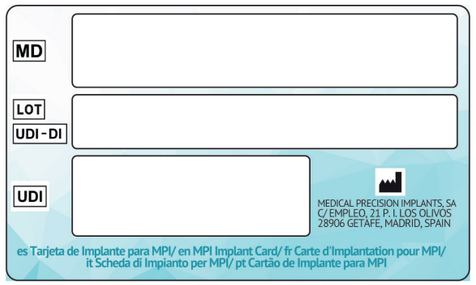
This card contains the following pre-printed information:

- MD: Medical device to which the card belongs
- UDI: Unique product identifier.

The user must stick a patient label (included on the product label) on each of the two boxes identified with:

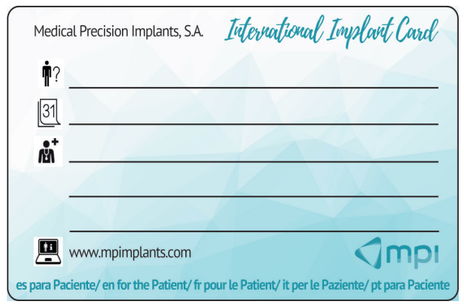
- LOT / UDI-DI.

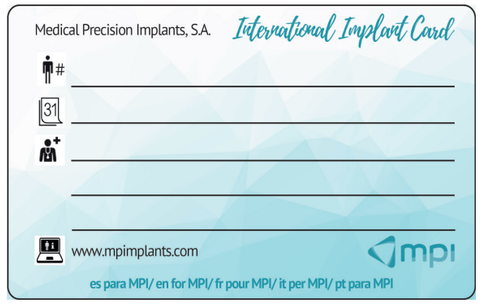




On the back of the card, the user must fill in the following information with the patient's information:

- Patient name (Patient ID)
- Record number (Patient number)
- Implementation date
- Name of the medical care center.



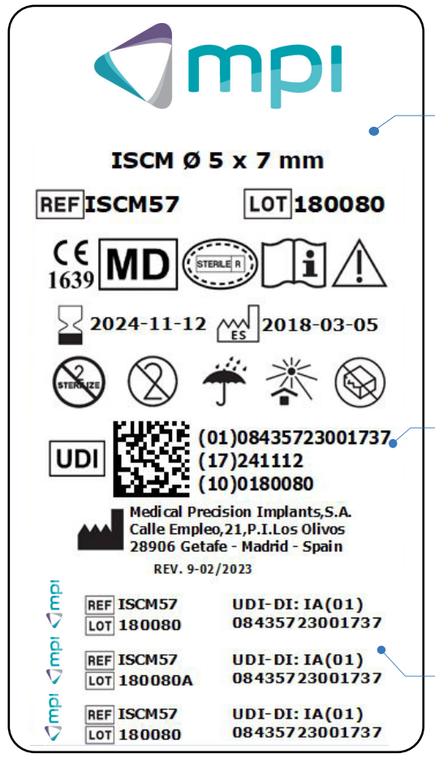


The international implantable product card marked with:

- "for the Patient", must be given to the patient and
- "for MPI", must be returned to MPI by the medical care center.

Label Symbology

Label:



Dental implant description and measurements are indicated:

- ISCM: MPI Short® System

UDI - DataMatrix
(01) UDI-DI
(17) Expiration date (YYMMDD)
(10) Batch number

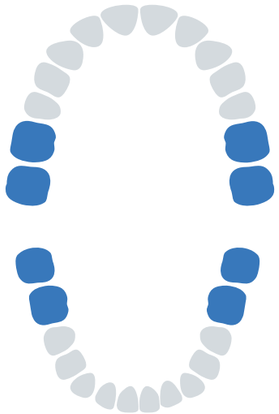
Patient labels indicating reference, batch code and UDI-DI.

Symbology:

	Manufacturer.
ES	Country of manufacture with the two-letter country code defined in the Standard ISO 3166-1. The date of manufacture can be added adjacent to the symbol.
LOT	Batch code.
REF	Catalogue number.
	Keep away from sunlight.
	Do not re-use.
2	Do not resterilize.
	Keep dry.
	Consult instructions for use.

	Caution.
	UDI-DI Data matrix: (01) UDI-DI / (17) Expiration date (YYMMDD) / (10) Batch number.
CE 1639	CE symbol with the notified body number 1639.
	Use by date.
	Sterilized using irradiation. Single sterile barrier system with protective packaging inside.
UDI	Unique Device Identification.
MD	Medical Device.
es	Text language.
	Do not use if package is damaged and consult instructions for use.

Recommended Implant Placement



Implants diameters: Wide platform.

- MPI Short® CM Ø 5

Instructions for use:

For fixed, multiple restorations.

Recommended position:

Molars in both jaws.

Recommendations:

- Recommended for multiple restorations: the union of several implants allows an increase in resistance to masticatory forces and a distribution of loads on the bone surface.
- Maximum insertion torque: 80 N·cm.
- Insertion rotation: 30 rpm.
- Immediate loading is not recommended, always place in two-phase surgery.
- Under-drilling recommended to obtain an osteotome effect.

Quality and General Conditions of Sale

Quality

To ensure the most demanding quality standards, we have the help of our metrology laboratory equipped with qualified personnel and state-of-the-art measuring instruments. Thanks to demanding quality controls, we have achieved a success rate of over 99%. The "Zero defects" policy is our fundamental basis for the quality of our products and the satisfaction of our customers.

MPI is certified with:
- ISO13485:2016
- UNE166002:2021

Orders

Telephone: +34 91 684 60 63

E-mail: pedidos@mpimplants.com

Shipments and verification of the products

For orders over 150€, the products will be sent free of charge.

Once the order is received, the user should check the order and products.

If there should be any deviation in the order, please contact us as soon as possible.

Return policy

The maximum return period is 15 days from the date of issuance of the delivery note. Changes will not be accepted once the material has been opened and used or its packaging is not in perfect condition.

Returns of unsuccessful materials will not be accepted after 2 months after the cause.

Payment Methods

Direct debit / cash on delivery (additional cost).

Warranty

We guarantee the replacement of our products as long as they are combined with original MPI components.

For more information:
+34 916 846 063
www.mpimplants.com