IGEA

IMPLANT SYSTEM

ASEN®

PRODUCER OF SPECIAL ALLOYS SINCE 1975

**The only way to do great work is to love what you do.
If you haven't yet found what's right for you continue to
look for it, don't stop, you will know you have found it as
soon as you see it in front of you.**

“Steve Jobs”

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HISTORY

Mesa Italia S.r.l. is a leading Italian manufacturer of dental alloys since 1975. The strength of the Mesa company is the long family tradition that has allowed, founder Giacomo Sala, to pass on the same creative ambition to his two sons Lorenzo and Valerio, promoting a product, the quality of which is recognized both nationally and internationally.
Business continuity, combined with an enduring drive for research and innovation, has enabled the company to make its product portfolio even more comprehensive by channeling interest into the implantology field.

Several divisions operate within the company:

- Administrative and Commercial
- Technological
- Warehouse
- Scientific

The administrative and commercial division is staffed by highly qualified, client-focused personnel who can provide technical and commercial support in 5 languages so as to facilitate every request on the use of the various commodity products for sale; it is present in Italy with agents, while, in the rest of the world, it is represented by distributors managed by area heads.

The technical department consists of four engineers and skilled technicians who, with the help of high-precision tools, enable the production of high-quality machined products.

The “warehousing” division relies on automated vertical warehouses that not only rationalize space but also allow operators precise preparation of orders to be filled.

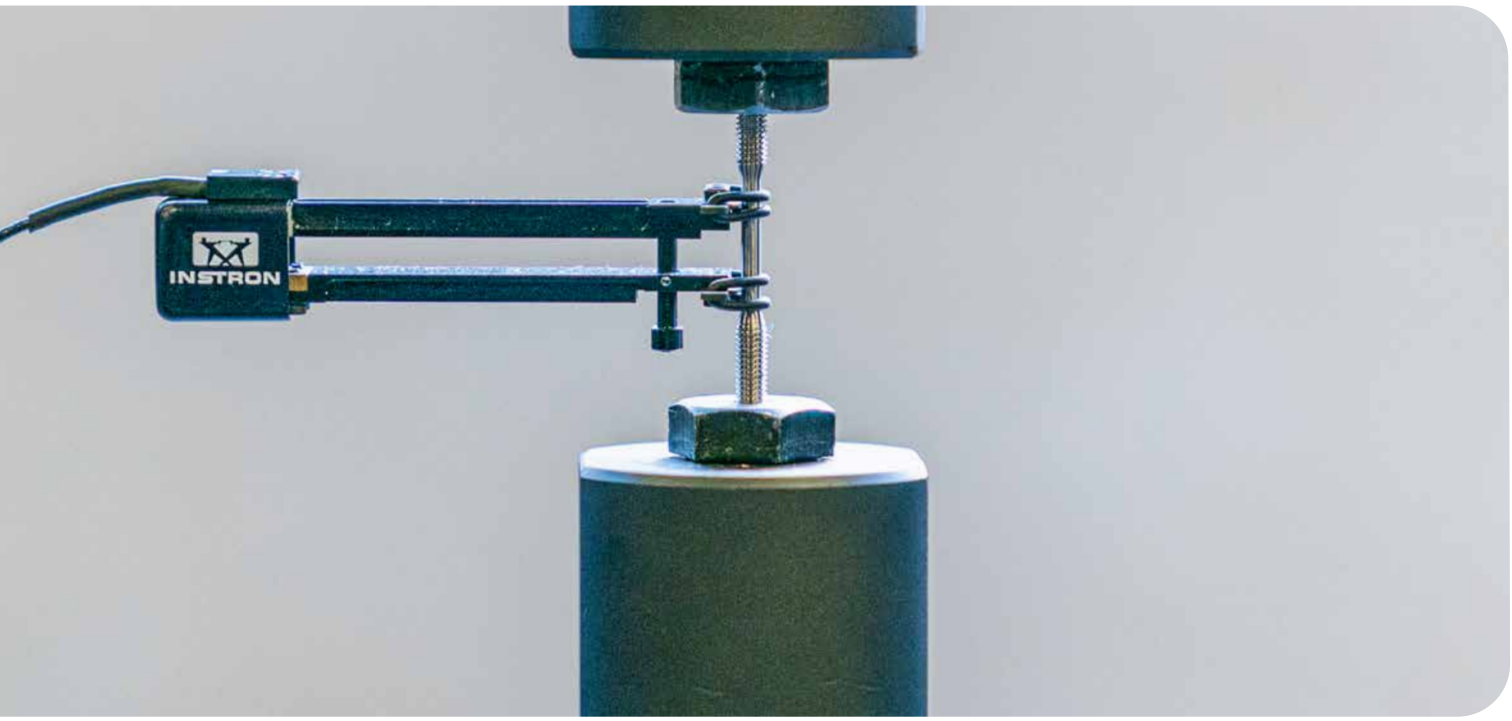
The science division is in charge of educational communication and scientific-technical research. Oral maxillofacial surgeons and a team of dental technicians are in charge of theoretical and clinical courses.

INNOVATION

Mesa Italia bases its “know how” in machining, is well aware of the problems arising from any machining defect and imposes scrupulous evaluation and validation protocols on the devices it produces.
The careful selection of raw materials is a daily effort to maintain an excellent level of quality in the products we market.
The production process is carried out by a staff of highly skilled engineers and operators who conduct daily studies on production technology. Mechanical production is done with state-of-the-art sliding headstock machines.
All stages of our production process take place exclusively in Italy and are subject to constant quality control.

RESEARCH

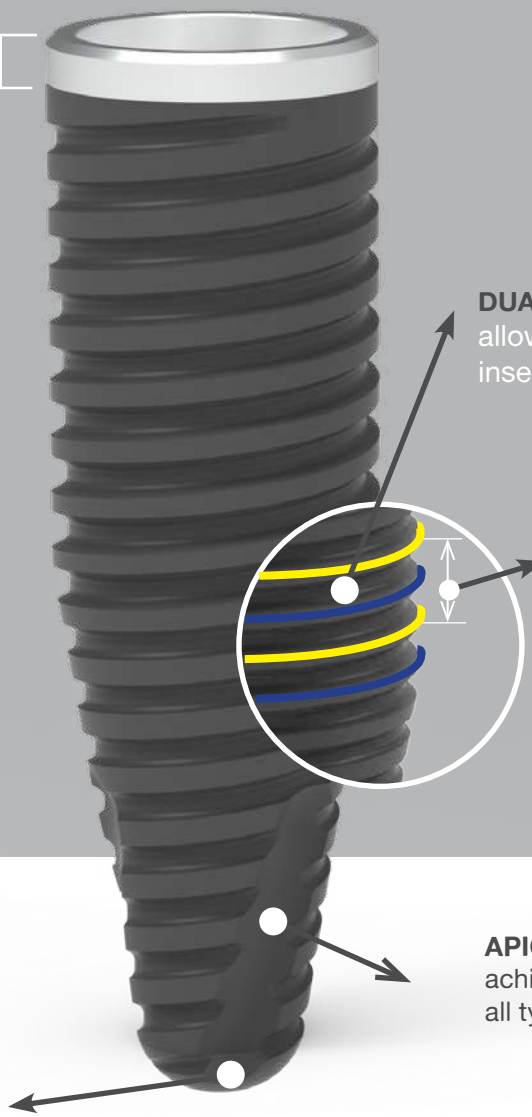
Igea Implant System was born from the Mesa company's 50 years of experience in the dental field as well as from constructive discussions with dentists. The research and development team based their knowledge on the latest state of the art and designed a system with a simple and functional systematics.



The two terms simple and functional well summarize the dual goal the company is committed to: ensuring innovative solutions that at the same time meet clinicians' expectations. Thanks to collaboration with Italian University Institutions, microleakage tests on our fixture and compatibility studies on the materials of our implant system were carried out. The company has equipped itself with an INSTRON fatigue test system, on which static and dynamic tests were carried out taking ISO 14801:2017 “Dentistry, Implants, Dynamic fatigue test for endo-osseous dental implants” as reference.

IMPLANT DESCRIPTION

MACHINED NECK (0.3 mm): preserves the implant from the bacterial colonization



DUAL-PRINCIPLE THREADING: allows a uniform and easy insertion with half turns.

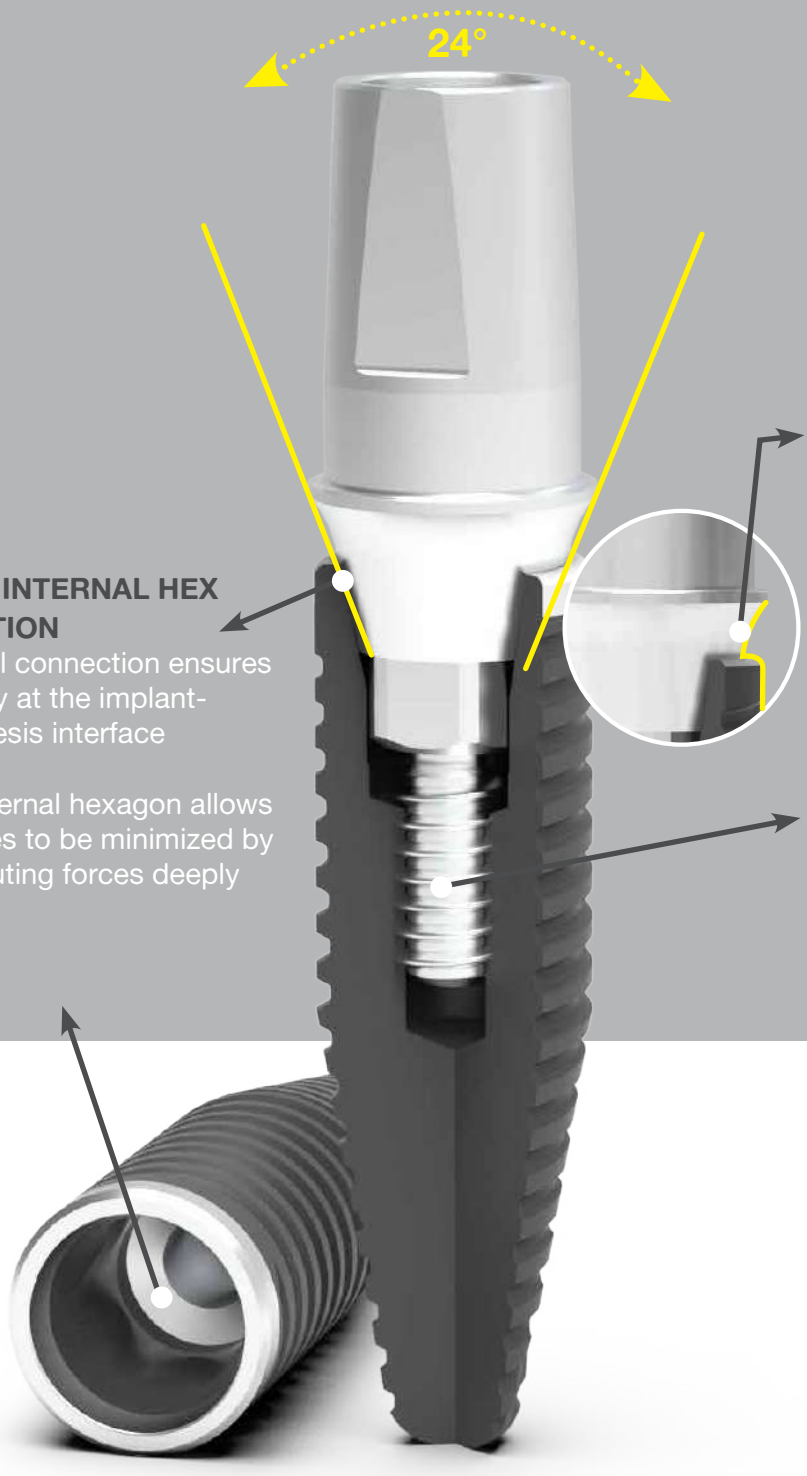
THREAD PITCH: 1.2 mm, except for the ø5 mm equal to 1.6 mm

APICAL CUTTING FLUTES: achieve primary stability in all types of bone density

ATRAUMATIC CONICAL APEX: Minimizes the risk of damage to underlying anatomical structures

The **CONICAL-CYLINDRICAL** shape of the implant guarantees a optimal and uniform distribution of masticatory load.

CONICAL HEXAGONAL CONNECTION

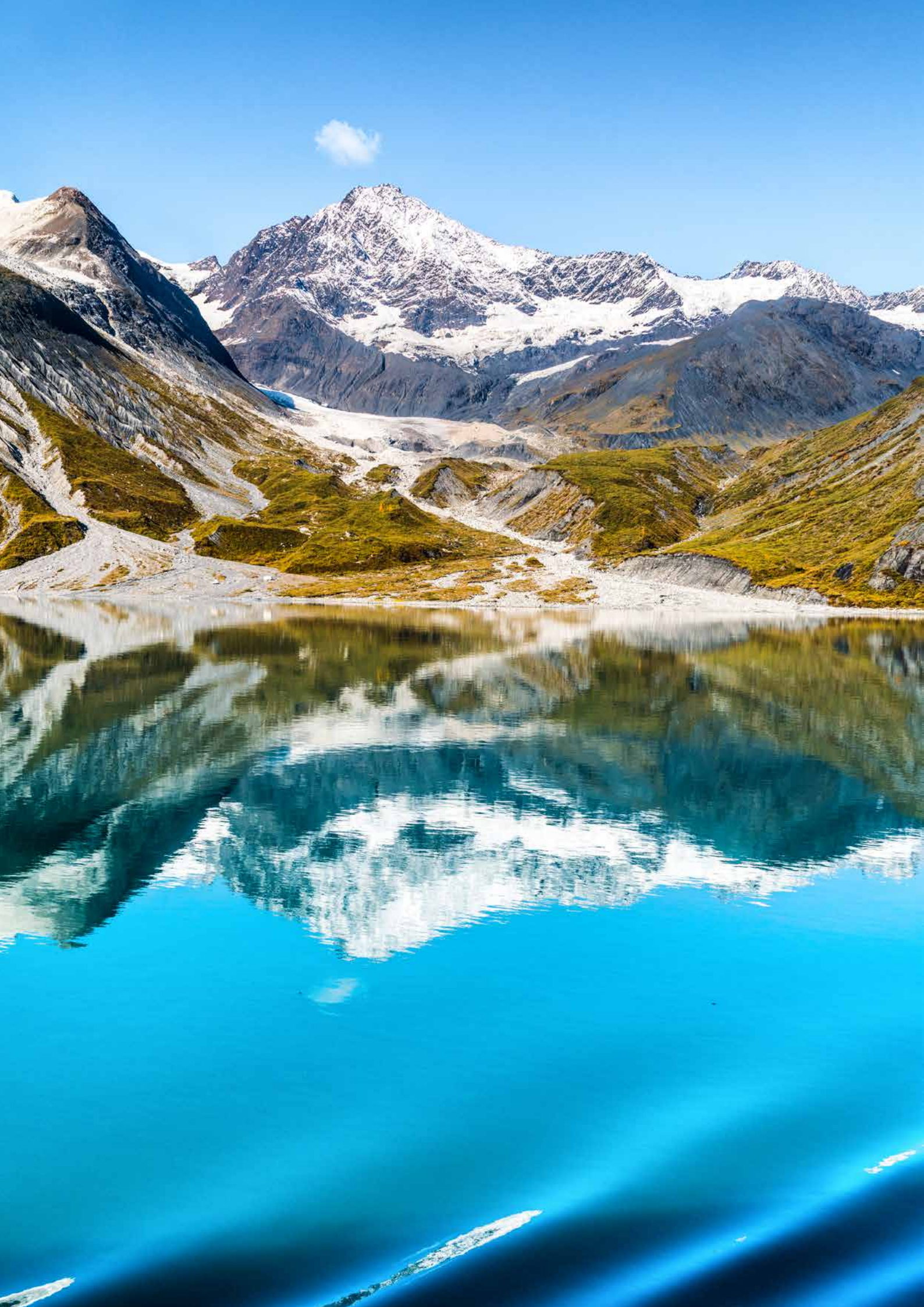


PLATFORM SWITCHING:
- Volume Maximization available for soft tissue
- Reduction of bone loss

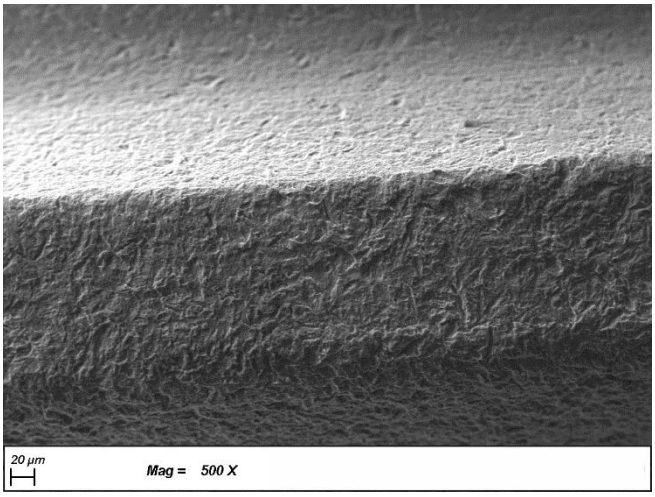
CONICAL INTERNAL HEX CONNECTION
- Conical connection ensures stability at the implant-prosthesis interface
- The internal hexagon allows stresses to be minimized by distributing forces deeply

PROSTHETIC SCREW:
- Self-centering
- Tightening torque 30 Ncm

The conical connection with internal hexagon **offers the possibility of balancing load forces** acting on the prosthetic component **preventing** even potential **unscrewing phenomena**.



THE IMPLANT SURFACE

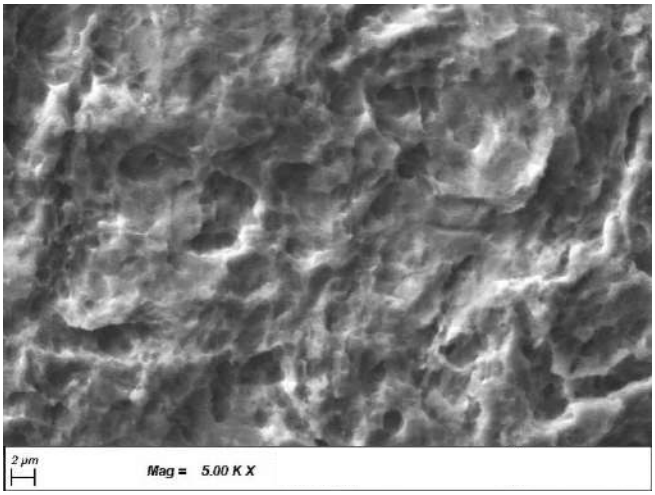


MATERIAL

The company uses Grade 4 Titanium to produce its entire line of dental implants.
This alloy provides rapid osteointegration, excellent biocompatibility and has the highest mechanical strength among commercially pure Titanium grades.

WASHING

Mesa Italia operates thorough cleaning processes on all equipment through advanced technologies to remove any traces of dirt from industrial processing.



SLA

The surface treatment performed on Mesa Igea implants involves a sandblasting process followed by acid etching in order to increase the contact surface area and promote osteoblastic cell differentiation.

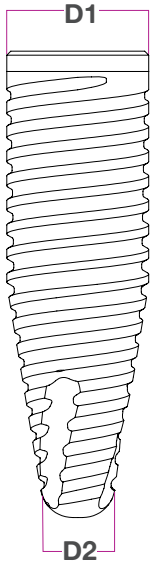
IGEA REGULAR IMPLANTS

R= **REGULAR**

REGULAR IMPLANT

COLOR CODE

3.8 mm | 4.3 mm | 5.0 mm



	D1 mm	D2 mm	L mm	Code
	3.8	1.9	8	Ti4-Igea-**1006**
		1.9	10	Ti4-Igea-**1007**
		1.9	11.5	Ti4-Igea-**1008**
		1.9	13	Ti4-Igea-**1009**
		1.9	15	Ti4-Igea-**1010**
	4.3	2.2	8	Ti4-Igea-**1026**
		2.2	10	Ti4-Igea-**1027**
		2.2	11.5	Ti4-Igea-**1028**
		2.2	13	Ti4-Igea-**1029**
		2.2	15	Ti4-Igea-**1030**
	5.0	2.6	8	Ti4-Igea-**1021**
		2.6	10	Ti4-Igea-**1022**
		2.6	11.5	Ti4-Igea-**1023**
		2.6	13	Ti4-Igea-**1024**
		2.6	15	Ti4-Igea-**1025**

COVER SCREW

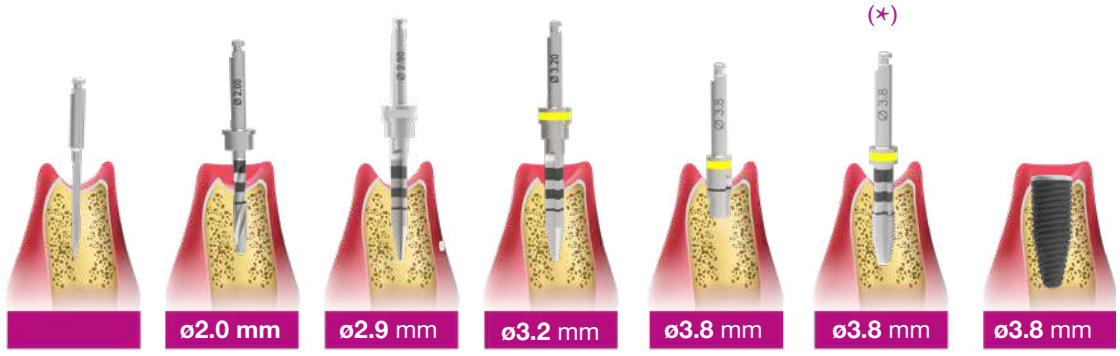
	Thread	Code
	M2	CPS-**1500**

SURGICAL PROTOCOL

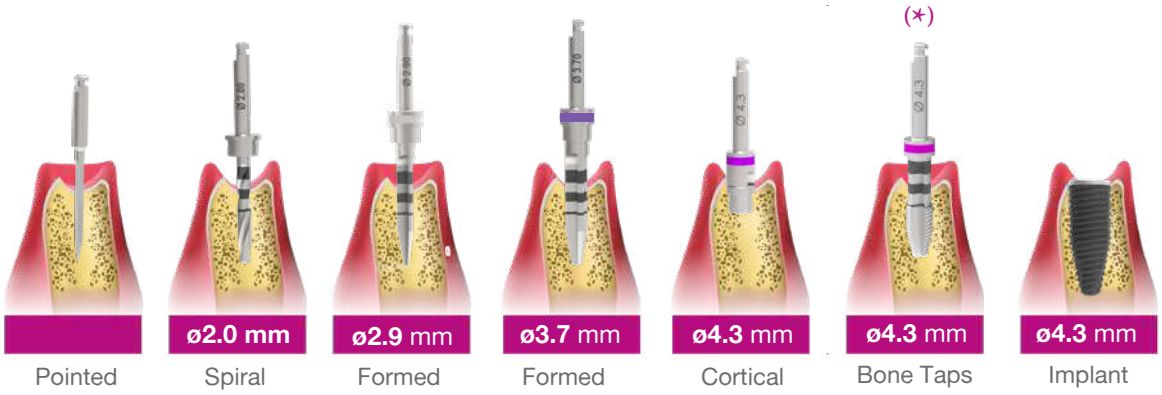
The plant platform should be placed at the bone crest (crestal placement)

NOTE: Do not exceed a tightening torque of 45 Ncm for implants: excessive torque can damage the implant and can cause bone necrosis.

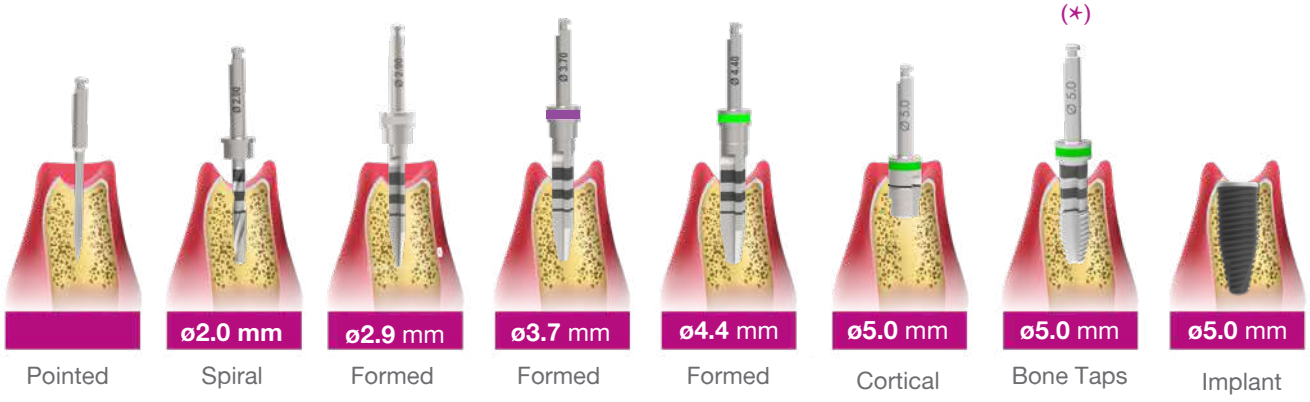
Implant Diameter **ø3.8 mm**



Implant Diameter **ø4.3 mm**



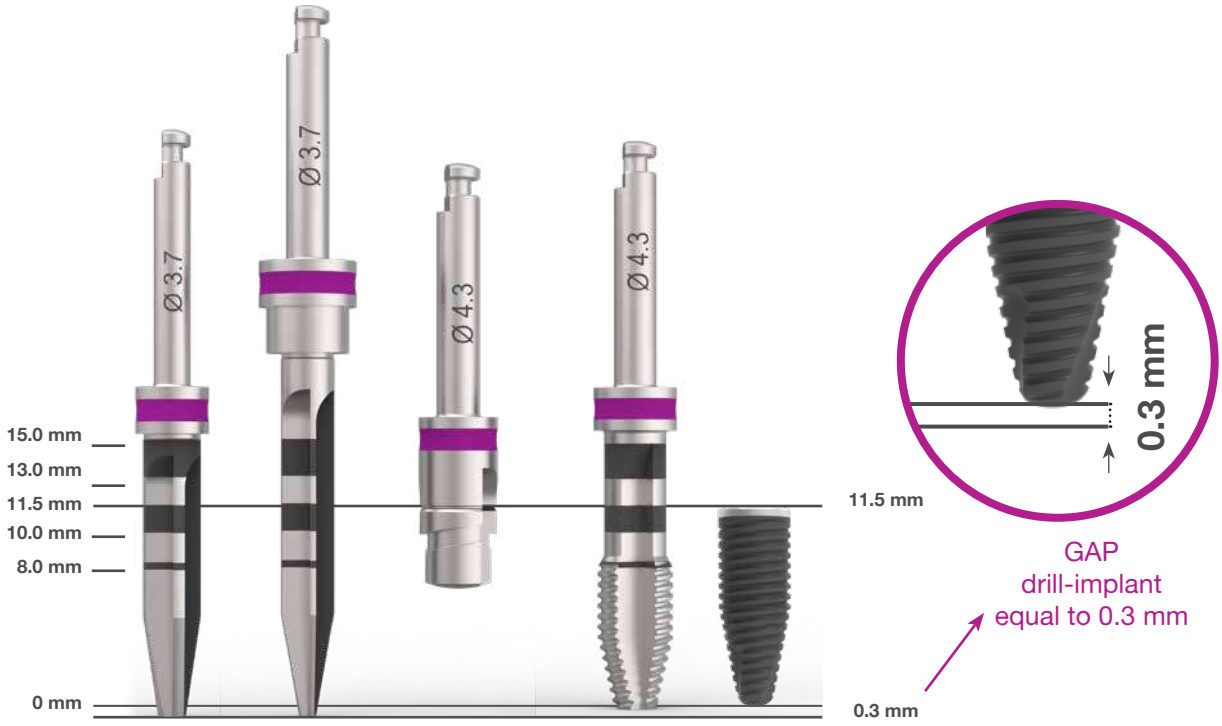
Implant Diameter **ø5.0 mm**



(*) In order to maintain the desired insertion torque, **in dense bone, it is recommended the use of the bone tap, at the maximum speed of 20 rpm and only with the diameter corresponding to the width of the implant bed.**

SURGICAL PROTOCOL

The surgical protocol of the Igea implant was developed to provide surgeons with the following Guidance on how to choose the most appropriate tools for site preparation implant depending on the type of bone. However, it is the surgeon's job to apply the most appropriate protocol based on one's experience



All drills and tappers are made of stainless steel for medical use.

The line of surgical drills is comprehensive and easy to use.

All diameters of MESA IGEA implants share the formed drills and spiral drill; depending then on the implant diameter, specific formed drills are provided.

FEATURES AND ADVANTAGES:

- Each formed drill has depth bands highlighted in contrasting colors and is color-coded for better identification.

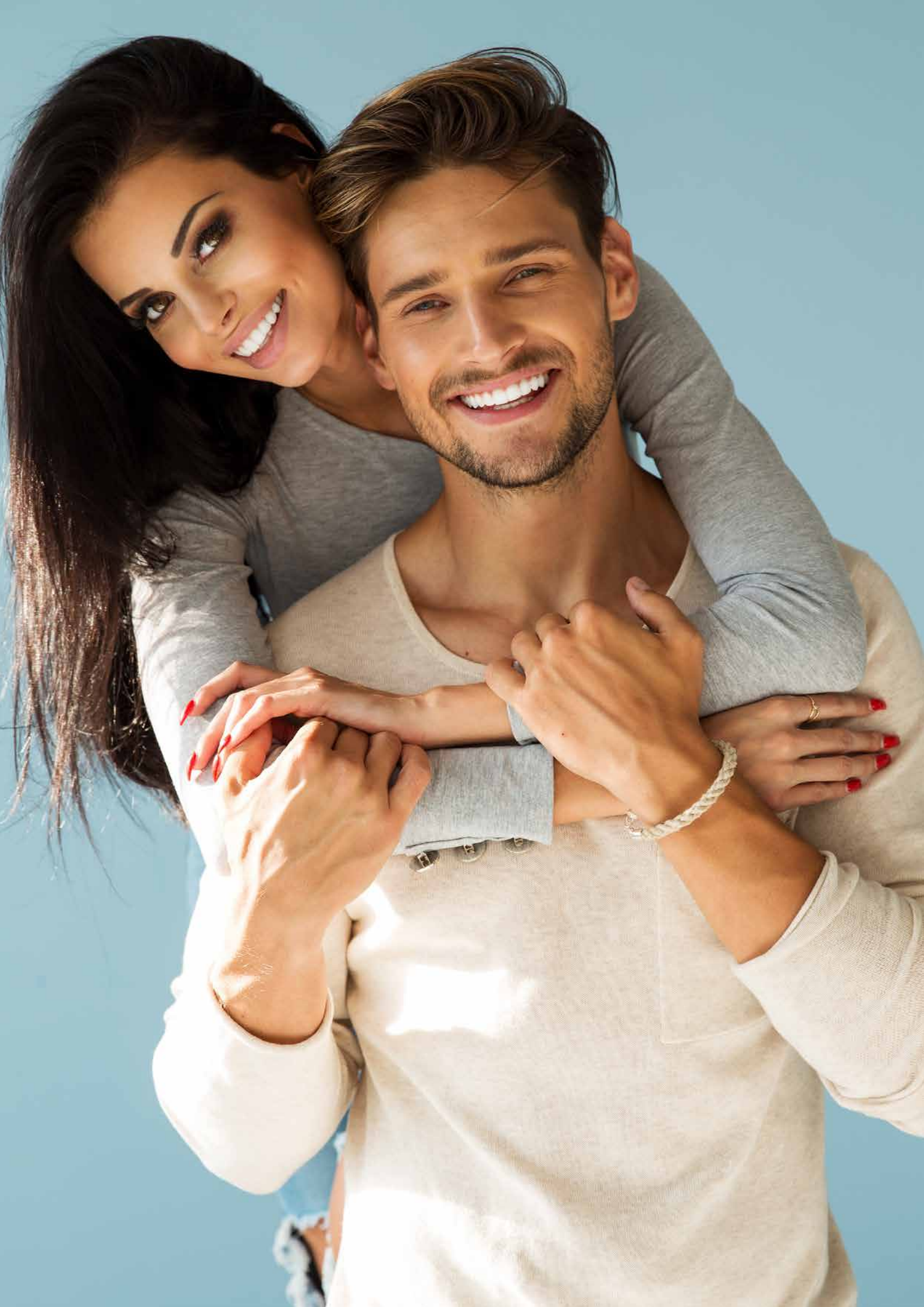
DRILL SPEED:

We recommend a speed of **drilling between 600-800 rpm.**

- The recommended tapping speed is **max 20 rpm.**
- Perform all drilling with a vertical to-and-fro movement accompanied by copious external irrigation in order to minimize heat production and preserve bone viability.

DURABILITY OF DRILLS:

- Do not use drills that are damaged, not sharp, or for more than 20 applications to reduce risks of overheating or bone trauma that may compromise the osteointegration process.



SURGICAL KIT

Surgical Box
41530001A

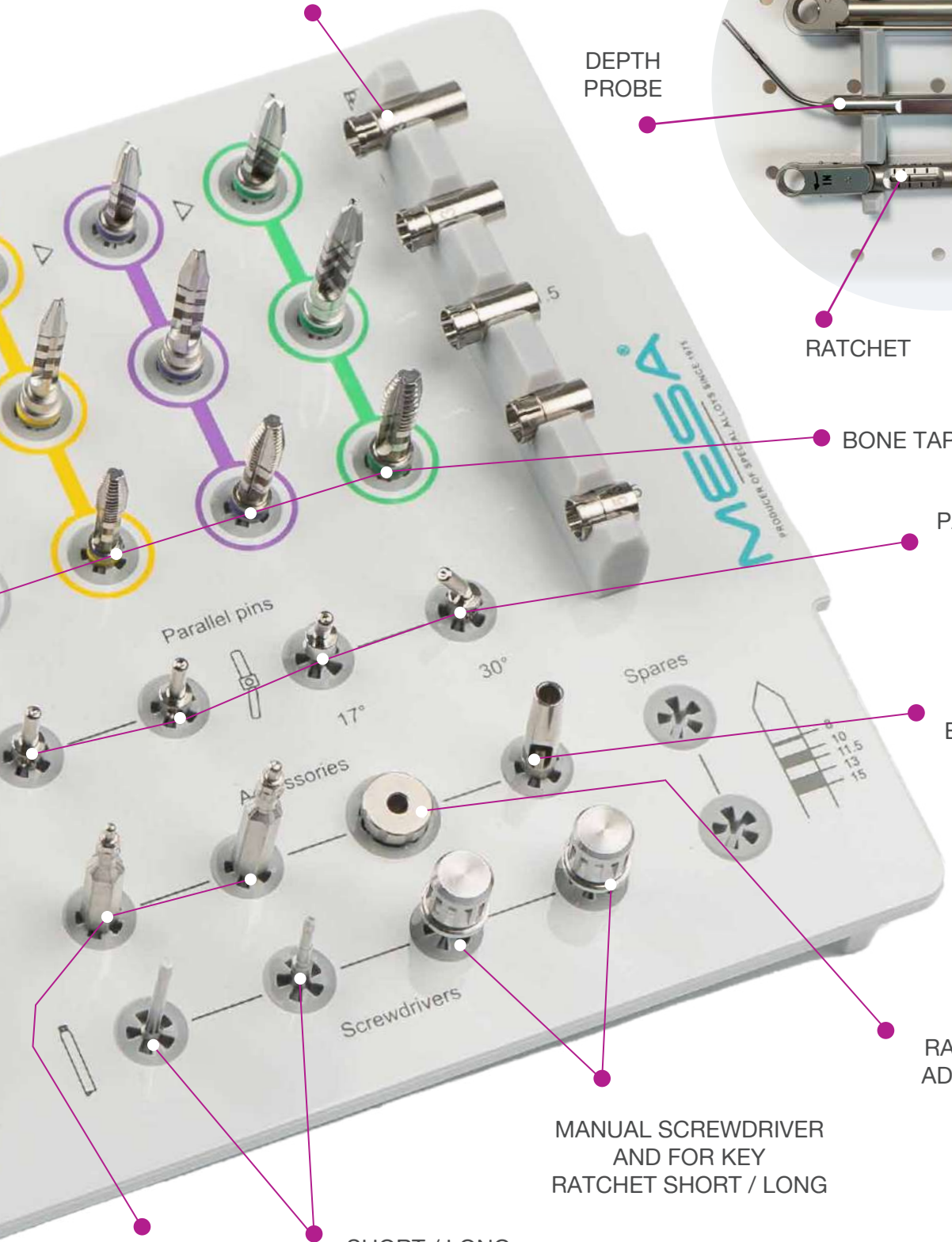
- **AUTOCLAVE BOX:** Made of thermo-plastic, impact-resistant, autoclavable material.
- **ERGONOMIC KIT:** silicone tool holders ensure tightness even during transport and sterilization.
- **SIMPLE AND PERSONALIZED:** accessories are arranged according to the various steps of the surgical protocol, inserts are color-coded to the implant diameter, laser-written symbols allow for optimal orientation.

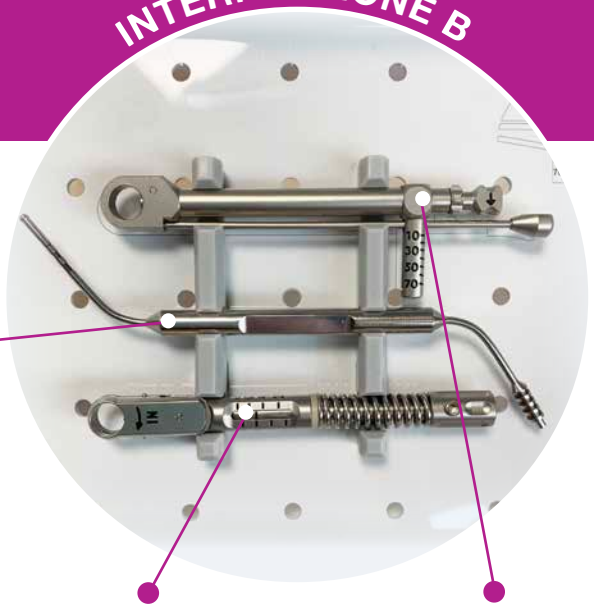
✓ All instruments, including the box should be cleaned and sterilized before use: refer to the instructions for use for sterilization guidelines.

SURGICAL TOOL KIT

EXTERNAL ZONE A

INTERNAL ZONE B





5 DRILL STOPS

DEPTH PROBE

RATCHET

RATCHET WRENCH

BONE TAPS

PARALLELISM PINS 0°/17°/30°

DRILL EXTENDER

RATCHET ADAPTER

MANUAL SCREWDRIVER AND FOR KEY RATCHET SHORT / LONG

LONG CONTRA-ANGLE DRIVER

SHORT / LONG UNIVERSAL SCREWDRIVER

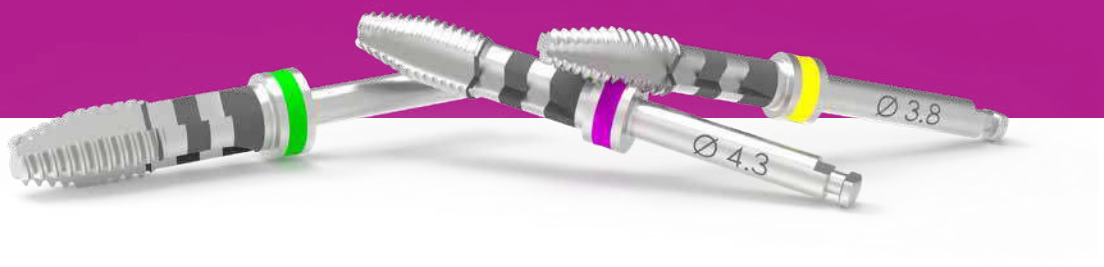
DRILLS

D mm		Description	Code
	1.5	**POINTED DRILL** Osteotomy drill to be used to incise cortical bone and make the invitation for subsequent use of the spiral drill.	SST-**0031**
	2.0	**SPIRAL DRILL** Drill that allows a calibrated osteotomy to be performed, drilling a minimum diameter hole in the maxilla or mandible, with support from the depth notches present. **Drill stops are also available for spiral long drills.**	**SHORT** SST-**0107**
			LONG SST-**0067**
	2.5		**SHORT** SST-**0108**
			LONG SST-**0068**

MEDICAL STAINLESS STEEL

	D mm	Description	Color	Code
	3.2	**SHORT FORMED DRILLS** The formed drill is a tapered drill made to be used in the final steps of implant seat fabrication. The markings on the body of the drill indicate the depth relative to the bone level. Color-coding helps the operator match drill diameters to implant diameters in the IGEA implant line.		SST-**0077**
	3.7			SST-**0079**
	4.4			SST-**0081**
	3.2	**LONG FORMED DRILLS** The formed drill is a tapered drill made to be used in the final steps of implant seat fabrication. The markings on the body of the drill indicate the depth relative to the bone level. Color-coding helps the operator match drill diameters to implant diameters in the IGEA implant line. **The drills can be used in combination with the stops** precluding the surgeon's ability to drill into the bone beyond the limit indicated by the stop itself.		SST-**0071**
	3.7			SST-**0073**
	4.4			SST-**0075**

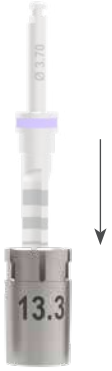
BONE TAPS



	D mm	Description	Color	Code
	3.8	**CORTICAL DRILL** Drill recommended to widen the cortical collar in case of compact bone, in order to facilitate implant insertion. Do not plunge beyond the black line.		SST-**0110**
	4.3			SST-**0111**
	5.0			SST-**0112**
	3.8	**BONE TAPS** Surgical instrument used to make threads within the bone and assist the self-threading action of the implant. Its function is to prepare the calibrated implant site for the insertion of the implant for which it is intended. In case of mechanical tapping **do not** operate the bone tap at speeds **higher than 20 rpm, maintaining cooling and with plenty of watering.** Use is recommended for implant placement in compact bone.		SST-**0083**
	4.3			SST-**0085**
	5.0			SST-**0087**

MEDICAL STAINLESS STEEL

DRILL-STOPS

*8.3 mm	*10.3 mm	*11.8 mm	*13.3 mm	*15.3 mm
				
SST-**0100**	SST-**0101**	SST-**0102**	SST-**0103**	SST-**0104**

TITANIUM GRADE 23

The **DRILL STOPS** allow the working length of the drill to be limited to a predetermined height.

- They come with a laser marking for immediate length identification.
- Available for long formed drills and spiral drills.
- *The length shown on the Stops indicates the drilling depth including the apical drill increment of 0.3 mm.

BONE PROFILER

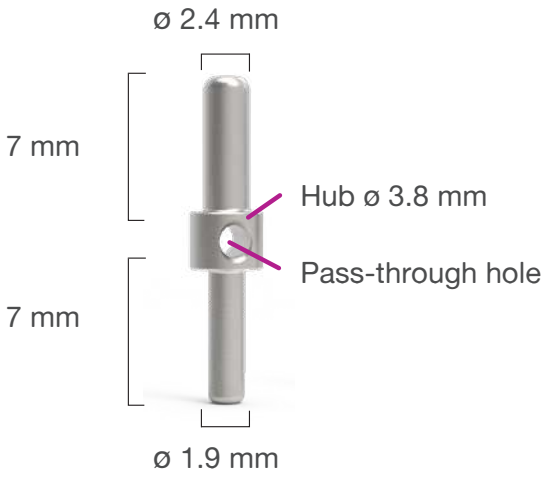
	D mm	Description	Code
	4.0	**BONE PROFILER** Surgical instrument made to level the bone ridge around the implant in order to create the necessary space for the prosthetic component to be properly housed. **The maximum recommended speed per contra-angle handpiece is 15 rpm with plenty of irrigation and maintaining cooling.**	SST-**0088**
	5.0		SST-**0089**
	6.0		SST-**0090**
		**BONE PROFILER GUIDE** It is used in combination with the Bone Profiler in order to ensure is optional use.	SST-**0064**

	Description	Code
	**DRILL EXTENDER** Tool that allows for greater length availability for handpiece instruments.	SST-**0124**

MEDICAL STAINLESS STEEL

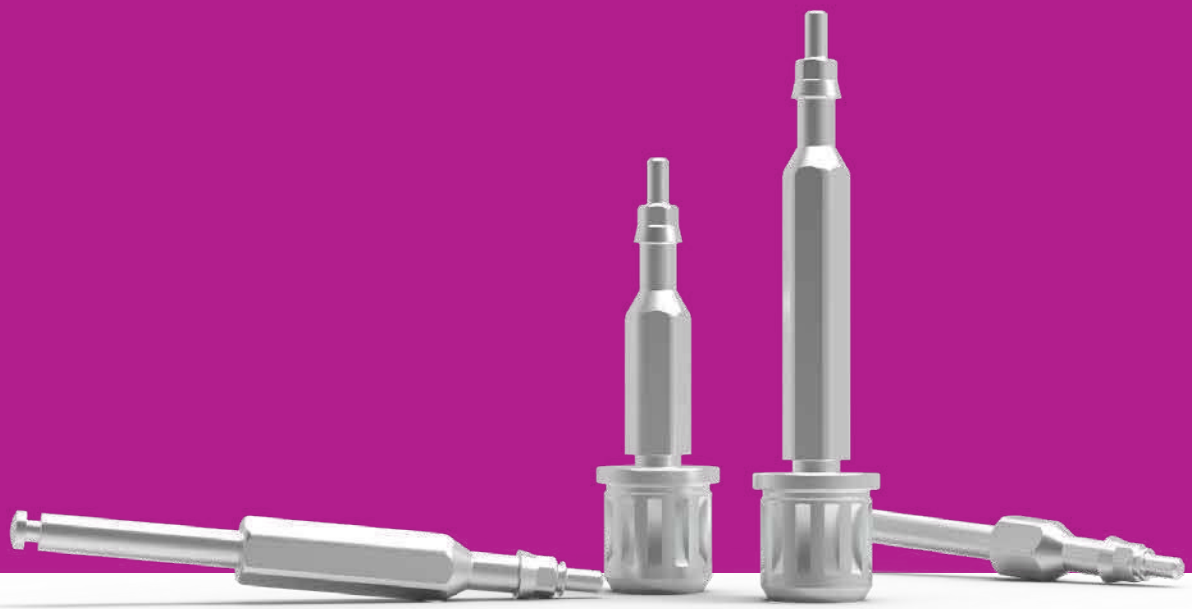
PARALLELISM PINS

	Grades	Description	Code
	0°	**PARALLELISM PINS** The parallelism pin is designed with opposite ends of different diameters: ø 1.9 and ø 2.4; this allows the clinician to use the pin early in the drilling sequence to ensure proper implant placement and alignment.	MST-**1401**
	17°		MST-**1402**
	30°		MST-**1403**



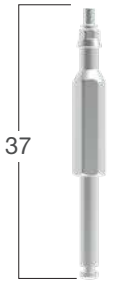
TITANIUM GRADE 23

DRIVER, SCREWDRIVERS AND RATCHET



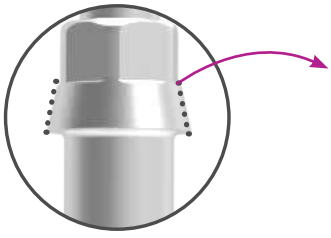
Contra-angle driver is a surgical tool
designed to allow the dental implant to be inserted into the bone site.
The recommended speed for implant insertion is 15 rpm, not exceeding 25 rpm. Do not irrigate.

IMPLANT DRIVERS

	L	Description	Code
	SHORT	CONTRA-ANGLE DRIVER	SST-**0133**
	LONG		SST-**0136**

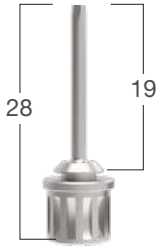
	L	Description	Code
	SHORT	MANUAL DRIVER AND FOR RATCHET	MST-**1203**
	LONG		MST-**1204**

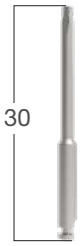
MEDICAL STAINLESS STEEL



The engage of the Driver is considered completed only when the conical part is no longer visible.

PROSTHETIC SCREWDRIVERS

	L	Description	Code
	1.2 SHORT	MANUAL SCREWDRIVER AND FOR RATCHET	MST-1109
	1.2 LONG		MST-1110

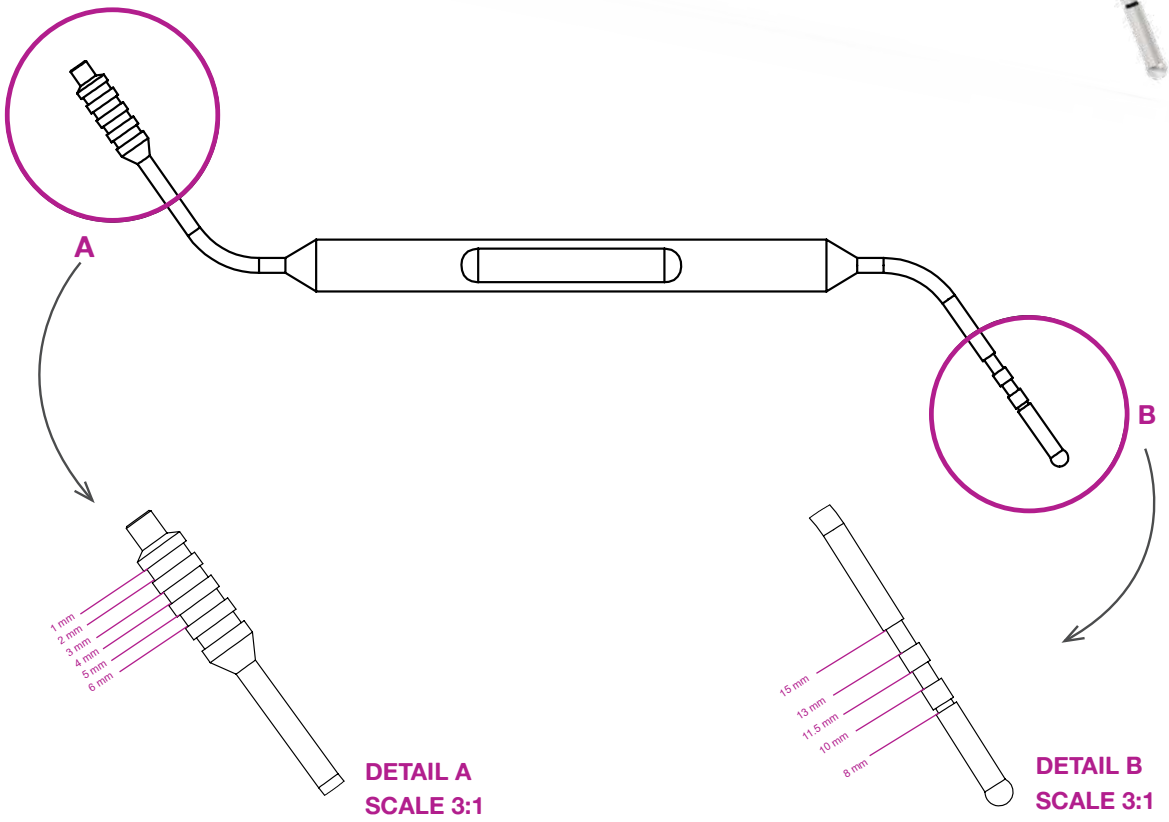
	L	Description	Code
	1.2 SHORT	UNIVERSAL SCREWDRIVER	MST-0093
	1.2 LONG		MST-0094

	Description	Code
	RATCHET ADAPTER	MST-1301

MEDICAL STAINLESS STEEL

DEPTH PROBE

Code
MST-**1004**



DOUBLE MEASURING TIP

- Osteotomy depth: measuring the depth of the implant site elevation.
- Gingival height: the height of the gingival tract is examined.

MEDICAL STAINLESS STEEL

RATCHETS

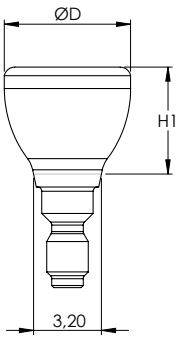
	Description	Code
	**RATCHET WRENCH** Ratchets for implant insertion and locking of prosthetic screws with torque indicative measures.	MST-**1001**
	**RATCHET**	MST-**1006**

MEDICAL STAINLESS STEEL

PRE-PROSTHETIC

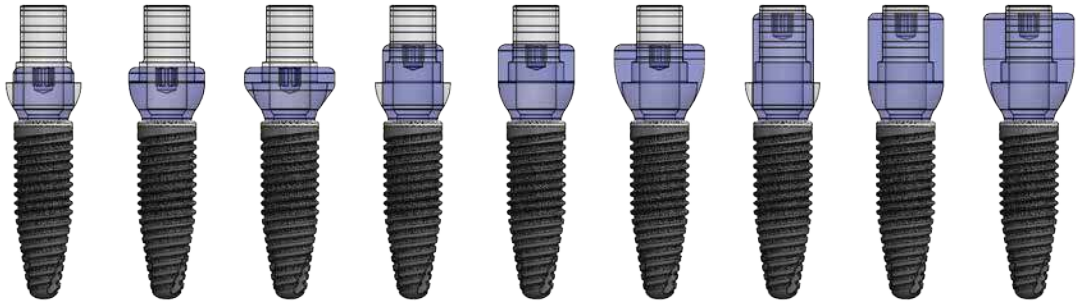
Healing screws prepare the site for superstructure insertion and
they “shape” the soft tissue surrounding the implant.
The appropriate screw should be chosen according to the thickness of the mucosa.

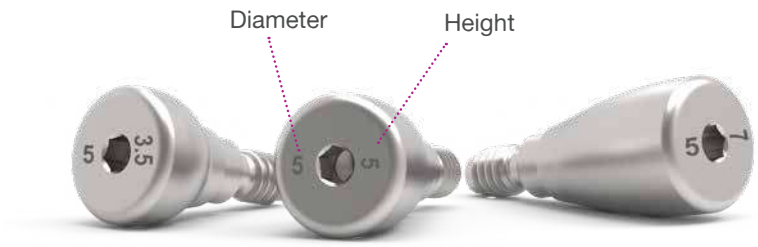
HEALING SCREWS



h	H1 mm	D mm	Thread	Description	Code
	3.5	4	M2	The **IGEA REGULAR** line includes a series of healing screws of different anatomical configurations and varied heights, suitable for conditioning soft tissue according to prosthetic needs.	HLS-**1301**
		5			HLS-**1305**
		6			HLS-**1309**
	5	4	M2		HLS-**1303**
		5			HLS-**1307**
		6			HLS-**1311**
	7	4	M2		HLS-**1312**
		5			HLS-**1313**
		6			HLS-**1314**

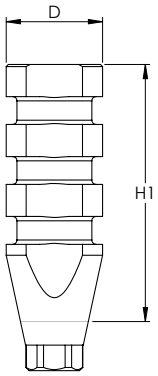
TITANIUM GRADE 23





Laser marking for immediate identification of diameter and height

IMPRESSION COPING OPEN TRAY

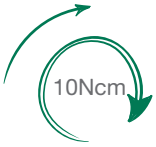


	H1 mm	D mm	Code
	12	4.5	TAB-**1601**

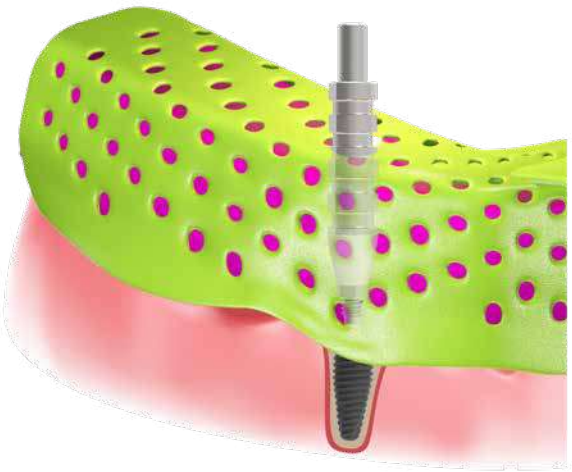
NON STERILE

OPEN TRAY SCREWS

	L mm	Thread	Code
	19	M2	SCR-**1406**
	24	M2	SCR-**1414**

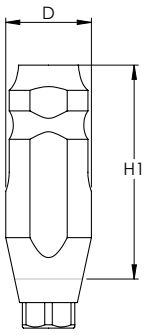


TITANIUM GRADE 23



For open transfer, the impression should be made with the open tray or individual tray impression technique.

IMPRESSION COPING CLOSED TRAY



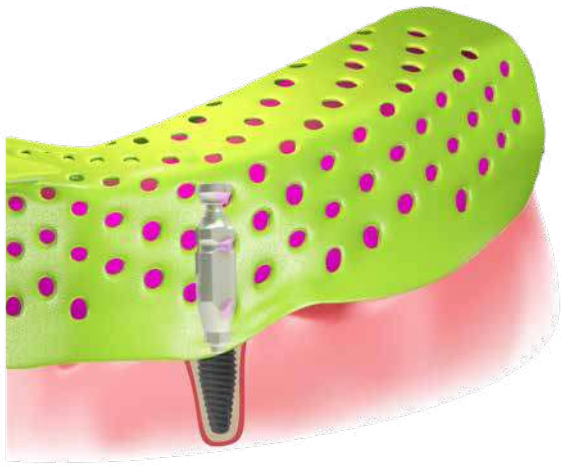
	H1 mm	D mm	Code
	7	4.5	TAB-**1603**

NON STERILE

CLOSED TRAY SCREW

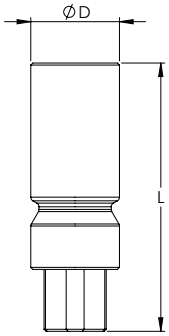
	L mm	Thread	Code
	16	M2	SCR-**1409**

TITANIUM GRADE 23



For closed transfer, the impression should be made with the closed spoon or closed tray technique.

IMPLANT REPLICA



	L mm	D mm	Code
	13	4.3	REP-**1615**

NON STERILE

REPLICA SCREW

	L mm	Thread	Code
	3.7	M1.6	SCR-**1412**

MEDICAL STAINLESS STEEL

USE IN MODEL DIGITAL

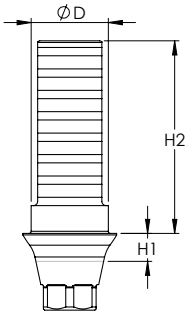
USE IN CAST

The IGEA line replica is suitable for use in **both plaster models Both in 3D printed models.** For the use of plaster models, the screw should be tightened on the body of the replica to create an undercut to prevent its axial movements.

CEMENT-RETAINED PROSTHESIS AND OVERCASTABLE ABUTMENTS

In the study and design of prosthetic components, Mesa has paid special attention to offering optimal solutions to the clinician in order to make the fabrication of prosthetic elements simple and flexible.
The utmost precision of each of our components helps ensure long-term restoration success.

TITANIUM STRAIGHT ABUTMENTS

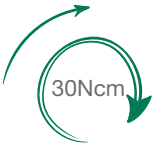


	H1 mm	H2 mm	D mm	Tipo	Code
	1	9	3.6	hexed	CEM-**1148**
		9	3.6	non-hexed	CEM-**1150**
	2.5	9	3.6	hexed	CEM-**1156**
		9	3.6	non-hexed	CEM-**1158**

NON STERILE

ABUTMENT SCREW

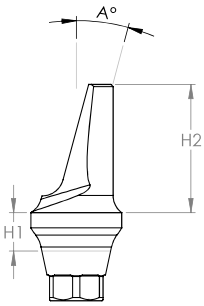
	Thread	Code
	M2	SCR-**1401**



TITANIUM GRADE 23

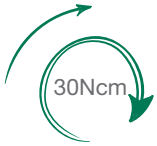
The abutments are screwed directly onto the implant using the connection screw.
They are used to support both single crowns and bridges.
They are available in non-rotating and rotating versions.

TITANIUM ANGLED ABUTMENTS



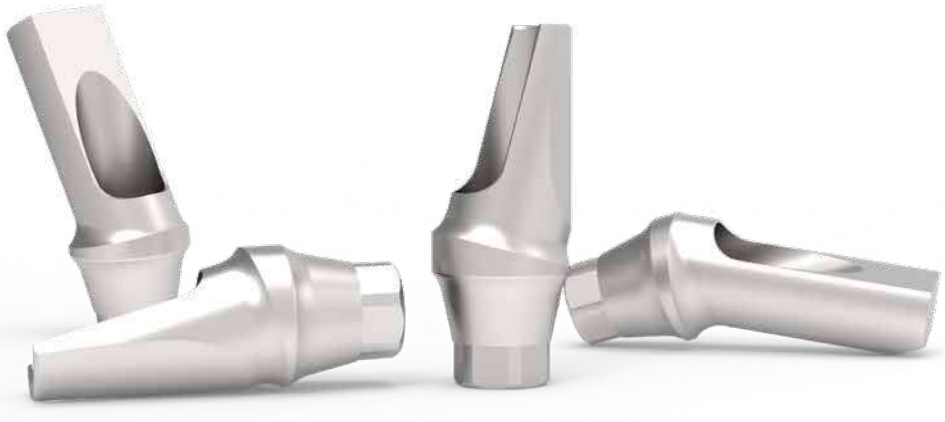
	A°	H1 mm	H2 mm	Hexagon	Codice
	15°	1.8	6	Hex A	CEM-**1116**
	15°	1.8	6	Hex B	CEM-**1169**
	25°	1.6	7	Hex A	CEM-**1136**
	25°	1.6	7	Hex B	CEM-**1173**

ABUTMENT SCREW

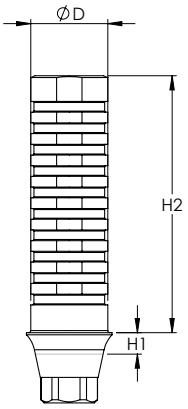


	Thread	Code
	M2	SCR-**1401**

TITANIUM GRADE 23



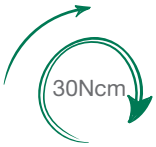
TITANIUM TEMPORARY ABUTMENTS



	H1 mm	H2 mm	D mm	Type	Code
	1	12	3.6	hexed	CEM-**1140**
		12	3.6	non-hexed	CEM-**1141**

NON STERILE

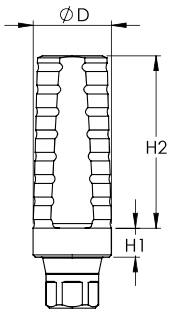
ABUTMENT SCREW



	Thread	Code
	M2	SCR-**1401**

TITANIUM GRADE 23

TITANIUM RESCUE ABUTMENTS

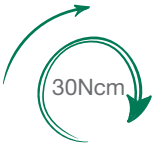


	H1 mm	H2 mm	D mm	Tipo	Codice
	1.3	7.7	3.8	hexed	CEM-**1162**
		7.7	3.8	non-hexed	CEM-**1163**
	1.3	7.7	4.3	hexed	CEM-**1164**
		7.7	4.3	non-hexed	CEM-**1165**
	1.3	7.7	5.0	hexed	CEM-**1166**
		7.7	5.0	non-hexed	CEM-**1167**

NON STERILE

ABUTMENT SCREW

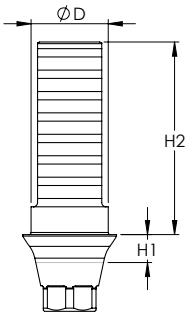
	Thread	Code
	M2	SCR-**1401**



TITANIUM GRADE 23

Rescue abutment is designed for implant that are placed supra gengival.

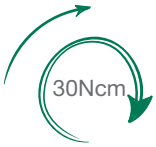
CR-CO OVERCASTABLE ABUTMENTS



	H1 mm	H2 mm	D mm	Type	Code
	1	9	3.6	hexed	OCA-**1149**
		9	3.6	non-hexed	OCA-**1151**
	2.5	9	3.6	hexed	OCA-**1157**
		9	3.6	non-hexed	OCA-**1159**

ABUTMENT SCREW

	Thread	Code
	M2	SCR-**1401**



CHROME-COBALT

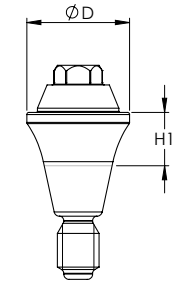
They can be used for a variety of solutions:

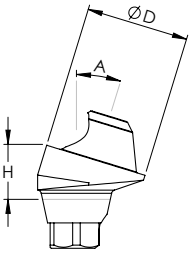
- Superfusion: with lost-wax modeling or by digital modeling
- Soldering
- Bonding of drilled or melting structure

MULTI-UNIT SYSTEM

A modern multiprosthetic system, to make screw-retained bridges, screw-retained bars, “toronto bridge”, “all on four”, and “all on six”.
The variety, precision, and pliability of IGEA's screw-retained prosthetic components enable simple, immediate, and effective correction of the disparallelism between implants for tension-free (passive-fit) insertion of the prosthesis.

MULTI-UNIT ABUTMENTS





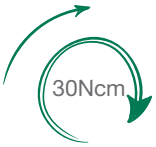
	A°	H1 mm	D mm	Code
	0°	1.5	4.8	MUA-**1201**
		2.5	4.8	MUA-**1209**
		3.5	4.8	MUA-**1215**
	17°	2.5	4.8	MUA-**1203**
		3.5	4.8	MUA-**1211**
	30°	3.5	4.8	MUA-**1205**
		4.5	4.8	MUA-**1213**

NON STERILE

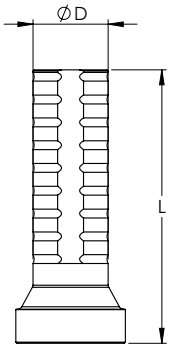
TITANIUM GRADE 23

MULTI-UNIT ABUTMENT SCREW

	Thread	Code
	M2	SCR-**1403**



MULTI-UNIT CYLINDER



	L mm	D mm	Material	Code
	12	3.3	**TITANIUM**	CEM-**1206**
	12	3.3	**CR-CO**	OCA-**1207**

NON STERILE

MULTI-UNIT CYLINDER SCREW

	Thread	Code
	M1.4	SCR-**1404**

MULTI-UNIT COMPONENTS

Components			Screws
TAB-**1610**		**IMPRESSION COPING MU OPEN TRAY**	SCR-**1407**  SCR-**1415** M1.4
TAB-**1612**		**IMPRESSION COPING MU CLOSED TRAY**	 SCR-**1411** M1.4
HLS-**1315** H 4.5  HLS-**1316** H 6 		**MU HEALING CAP**	 SCR-**1404** M1.4
REP-**1616**		**MU REPLICA**	 SCR-**1412** M1.6
SCA-**1621**		**MU SCAN-ABUTMENT**	 SCR-**1404** M1.4

ACCESSORIES

	Descrizione	Codice
	UNIVERSAL MU MOUNTER	MST-**0092**
	MANUAL MU MOUNTER	MST-**1205**
	MU POSITIONER	MST-**1206**
	RATCHET ADAPTER	MST-**1301**

OVERDENTURE

Sphero BLOCK

OT EQUATOR

RHEIN83

OT EQUATOR IGEA REGULAR KIT

H mm	Code*
1.0	130IGR1
2.0	130IGR2
3.0	130IGR3
4.0	130IGR4
5.0	130IGR5
6.0	130IGR6
7.0	130IGR7

Complete package including:

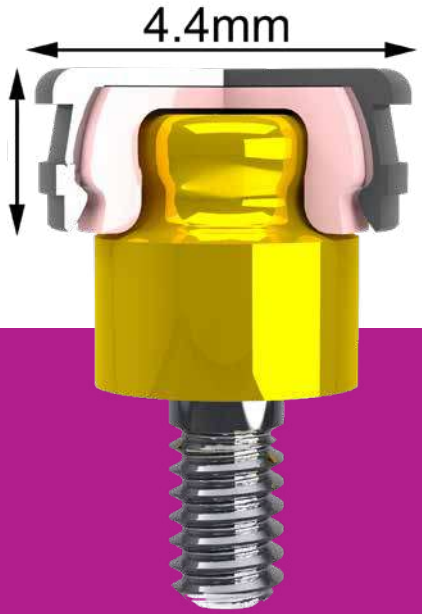
- 1 Ot Equator custom abutment in different lenghts in titanium with TIN coating
- 1 black cap (for laboratory use)
- 4 Yellow Retentive Caps: 1 Yellow (extra soft), 1 Pink (Soft), 1 White (standard), 1 Purple (rigid)
- 1 Protective disc

OT EQUATOR + SMART BOX IGEA REGULAR KIT

Complete package including:

- 1 Ot Equator custom Ttitanium abutment in different lenghts*
- 4 Retentive caps (different retention)
- 1 Cap self-parallelizing container
- 1 Protective disc

H mm	Code*
1.0	131IGR1
2.0	131IGR2
3.0	131IGR3
4.0	131IGR4
5.0	131IGR5
6.0	131IGR6
7.0	131IGR7



EQUATOR SECTION COMPLETE

RETENTIVE CAP ASSORTMENT KIT

KIT-192ECE

- 1 stainless steel cap container, Container
- 1 Black Cap (for laboratory use)
- 4 Yellow Retentive Caps: 1 Yellow (extra soft), 1 Pink (Soft), 1 White (standard), 1 Purple (rigid)
- 1 Protective disc

PURPLE CAP (4 pcs)
Rigid seal (2.5 Kg)
140CEV

WHITE CAP (4 pcs)
Standard seal (1.8 Kg)
140CET

PINK CAP (4 pcs)
Soft seal (1.2 Kg)
140CER

YELLOW CAP (4 pcs)
Extra soft seal (0.6 Kg)
140CEG

BLACK CAP (4 pcs)
From the laboratory
140CEN

STAINLESS STEEL CAP CONTAINER
(2 pcs)
141CAE

IMPRESSION COPING CLOSED TRANSFER
STRAPPING (2 pcs)
044CAIN

LABORATORY ANALOG
(2 pcs)
144AE

SMARTBOX CONTAINER WITH BLACK CAP FOR DIVERGENCES UP TO 50°
330SBE

EQUATOR KEY FOR RATCHET
774CHE

INSERTER/EXTRACTOR FOR CAPS
(OT EQUATOR - NORMO)
487ICE

DRIVER FOR DYNAMOMETRIC HANDPIECE
760CE

SPHERO BLOCK NORMO

H mm	Code*
1.0	002IGR1
2.0	002IGR2
3.0	002IGR3
4.0	002IGR4
5.0	002IGR5
6.0	002IGR6
7.0	002IGR7

Complete package including:

- 1 Customized spherical abutment
- 3 Retentive caps (different retention)
- 1 Cap container
- 3 Directional rings
- 1 Protective disc

TRANSPARENT CAP
STANDARD RETENTION
040CRN

BLACK CAP FROM THE LABORATORY
043CLN

PINK CAP
SOFT RETENTION
040CRNSN

STAINLESS STEEL CONTAINER
041CAN

YELLOW CAP
EXTRASOFT RETENTION
060CRNAY

SPHERO BLOCK KEY FOR RATCHET
771CEF

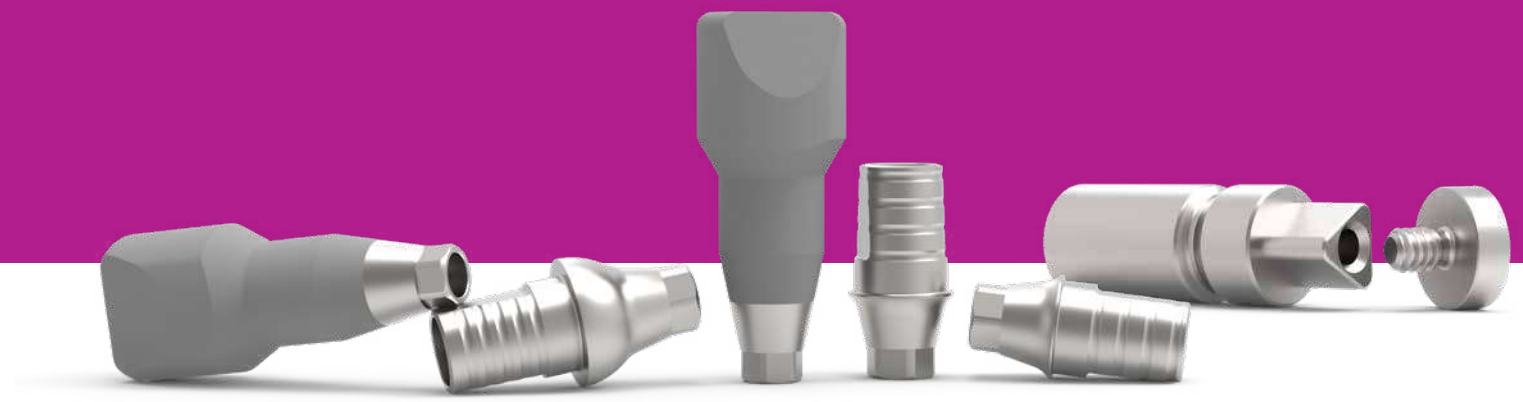
INSERTER/EXTRACTOR FOR CAPS
(OT EQUATOR - NORMO)
485ICE

CONNECTOR FOR DYNAMOMETRIC HANDPIECE
760CE

REVERSIBLE DYNAMOMETRIC RATCHET

For tightening of Shero-Block and Ot Equator
Values of torque from 15 to 35 Ncm - Max 50 Ncm,
suggested torque 25 Ncm
760CRD-US

DIGITAL LIBRARIES AND CAD/CAM ACCESSORIES



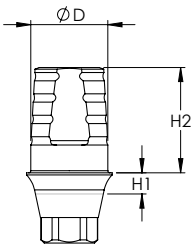
Our libraries are available for the following software: Exocad and 3Shape
and can be downloaded from the website www.mesaitalia.it

3shape exocad

Before installation, the associated digitising components and accessories must be identified.

Ti-Base, Scan-Abutment and Analog allow our implant line to have a wide range of restorative products allowing dentists and laboratories to embrace the digitization to design and create aesthetic and long-lasting restorations.

Ti-BASE



	H1 mm	H2 mm	D mm	Tipo	Code
	1	5	3.6	hexed	CEM-**1104**
		5	3.6	non-hexed	CEM-**1105**
	2.5	5	3.6	hexed	CEM-**1112**
		5	3.6	non-hexed	CEM-**1113**

NON STERILE

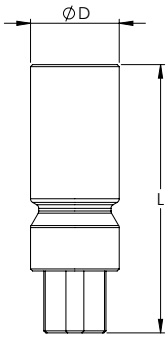
TITANIUM GRADE 23

Ti-BASE SCREW

	Thread	Code
	M2	SCR-**1401**

The components of the Igea system that can be downloaded in the digital libraries, are marked with the symbol next to the reference table.

IMPLANT REPLICA



	L mm	D mm	Code
	13	4.3	REP-**1615**

NON STERILE

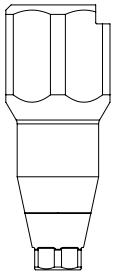
REPLICA SCREW

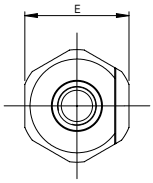
	L mm	Thread	Code
	3.7	M1.6	SCR-**1412**

MEDICAL STAINLESS STEEL

The analogue of the IGEA line is suitable for use both for plaster models and **for 3D printed models**

SCAN-ABUTMENT LARGE





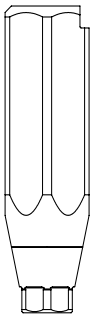
	H1 mm	D mm	Code
	12	6	SCA-**1618**

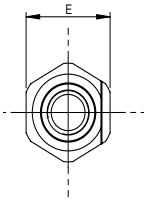
TITANIUM GRADE 23

SCAN ABUTMENT SCREW

	Thread	Code
	M2	SCR-**1401**

SCAN-ABUTMENT SMALL





	H1 mm	D mm	Code
	12	6	SCA-**1620**

TITANIUM GRADE 23

SCAN ABUTMENT SCREW

	Thread	Code
	M2	SCR-**1401**

IGEA REGULAR SCREWS

IGEA screws allow for high-quality implant-abutment fixation, thus to eliminate unscrewing that could cause damage to the finished work

SCREWS AND CODES

	Description	Thread	Code
	ABUTMENT SCREW	M2	SCR-**1401**
	Ti-BASE SCREW		
	SCAN-ABUTMENT SCREW		
	MU ABUTMENT SCREW	M2	SCR-**1403**
	MU SCAN-ABUTMENT SCREW	M1.4	SCR-**1404**
	CYLINDER SCREW		
	HEALING CAP SCREW		
	CLOSED TRAY SCREW	M2	SCR-**1409**
	MU CLOSED TRAY	M1.4	SCR-**1411**
	OPEN TRAY SCREW L19	M2	SCR-**1406**
	OPEN TRAY SCREW L 24		SCR-**1414**
	MU OPEN TRAY SCREW L19	M1.4	SCR-**1407**
	MU OPEN TRAY SCREW L 24		SCR-**1415**
	REPLICA SCREW	M1.6	SCR-**1412**
	MU REPLICA SCREW		
	COVER SCREW	M2	SCR-**1500**

IGEA IMPLANTS NARROW

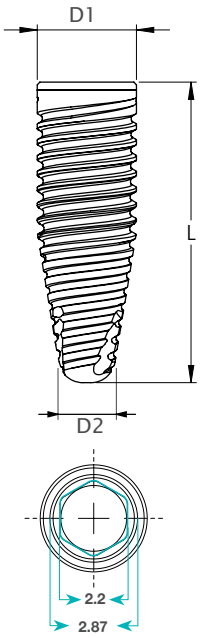
The use in posterior areas is not reccomended for Igea Narrow Implants

N= NARROW

NARROW IMPLANT

COLOR CODE

3.5 mm



	D1 mm	D2 mm	L mm	Code
	3.5	1.6	**8**	Ti4-Igea-**1003**
		1.6	**10**	Ti4-Igea-**1002**
		1.6	**11.5**	Ti4-Igea-**1001**
		1.6	**13**	Ti4-Igea-**1004**
		1.6	**15**	Ti4-Igea-**1005**

COVER SCREW

	Thread	Code
	M1.6	CPS-**1501**

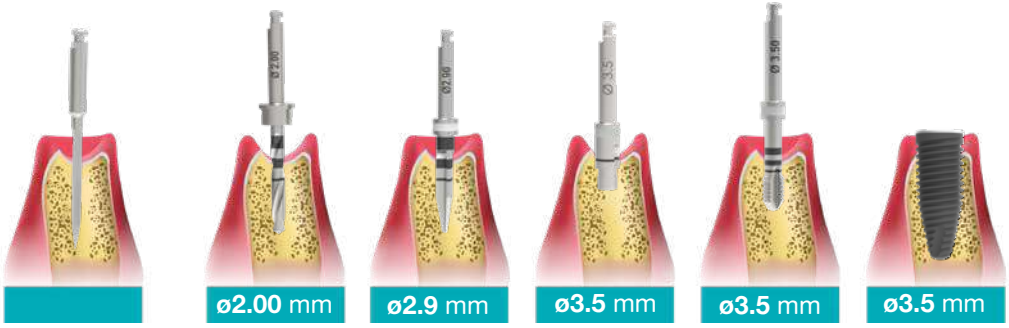
SURGICAL PROTOCOL

The plant platform should be placed at the bone crest (crestal placement)

NOTE: Do not exceed a tightening torque of 45 Ncm for implants: excessive torque can damage the implant and can cause bone necrosis.

Implant Diameter	ø3.5 mm

(*)

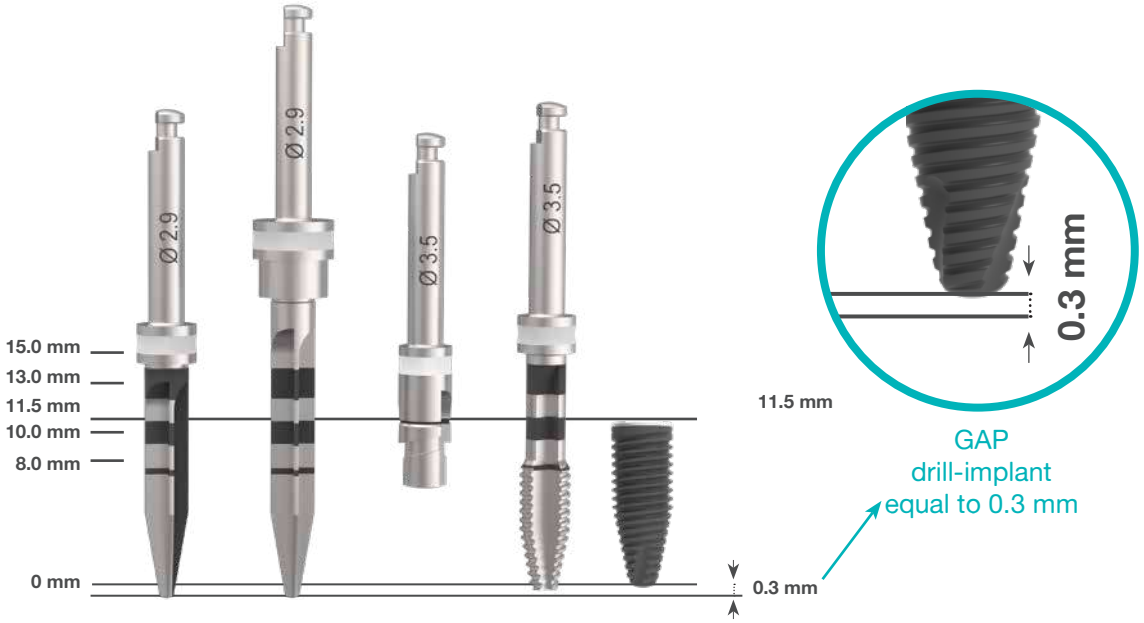


Pointed | Spiral | Formed | Cortical | Bone Taps | Implant

(*) In order to maintain the desired insertion torque, **in dense bone, it is recommended the use of the bone tap, at the maximum speed of 20 rpm and only with the diameter corresponding to the width of the implant bed.**

SURGICAL PROTOCOL

The surgical protocol of the Igea implant was developed to provide surgeons with the following guidance on how to choose the most appropriate instruments for implant site preparation depending on the type of bone. However, it is up to the surgeon to apply the most appropriate protocol based on his or her experience



All drills and tappers are made of stainless steel for medical use.
The line of surgical drills is comprehensive and easy to use.
All diameters of MESA IGEA implants share the formed drills and spiral drill; depending then on the implant diameter, specific formed drills are provided.

FEATURES AND ADVANTAGES:

- Each formed drill has depth bands highlighted in contrasting colors and is color-coded for better identification.

DRILL SPEED:

We recommend a speed of **drilling between 600-800 rpm.**

- The recommended tapping speed is **max 20 rpm.**
- Perform all drilling with a vertical to-and-fro movement accompanied by copious external irrigation in order to minimize heat production and preserve bone viability.

DURABILITY OF DRILLS:

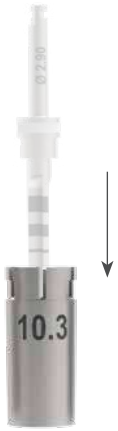
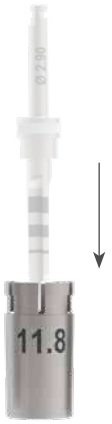
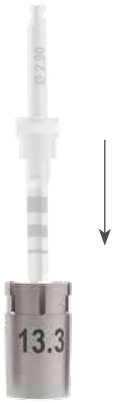
- Do not use drills that are damaged, not sharp, or for more than 20 applications to reduce risks of overheating or bone trauma that may compromise the osteointegration process.

DRILLS AND BONE TAP

	D mm	Description	Code
		**POINTED DRILL** Osteotomy drill to be used to incise cortical bone and make the invitation for subsequent use of the spiral drill.	SST-**0031**
	2.0	**SPIRAL DRILL** Drill that allows a calibrated osteotomy to be performed, drilling a minimum diameter hole in the maxilla or mandible, with support from the depth notches present. **Drill stops are also available for long spiral drills.**	**SHORT** SST-**0107** **LONG** SST-**0067**
	2.9	**FORMED DRILL** The formed drill is a tapered drill made to be used in the final steps of implant seat fabrication. The markings on the body of the drill indicate the depth relative to the bone level. Color coding helps the operator associate the diameters of the drills to the diameters of the IGEA implant line implants. **Drill stop can be mounted on the long formed drill.**	**SHORT** SST-**0076** **LONG** SST-**0070**
	3.5	**CORTICAL DRILL** Drill recommended to widen the cortical collar in case of compact bone, in order to facilitate implant insertion. Do not plunge beyond the black line.	SST-**0109**
	3.5	**BONE TAP** Surgical instrument used to make threads within the bone and assist the self-threading action of the implant. Its function is to prepare the calibrated implant site for the insertion of the implant for which it is intended. In case of mechanical tapping **do not** operate the tapping machine at speeds **higher than 20 rpm, maintaining cooling and with plenty of watering.** Use is recommended for implant placement in compact bone.	SST-**0082**

MEDICAL STAINLESS STEEL

DRILL - STOPS

*8.3 mm	*10.3 mm	*11.8 mm	*13.3 mm	*15.3 mm
				
SST-**0100**	SST-**0101**	SST-**0102**	SST-**0103**	SST-**0104**

TITANIUM GRADE 23

The **DRILL STOPS** allow the working length of the drill to be limited to a predetermined height.

- They come with a laser marking for immediate length identification.
- Available for long formed drills and spiral drills.
- *The length shown on the Stops indicates the drilling depth including the apical drill increment of 0.3 mm.

BONE PROFILER

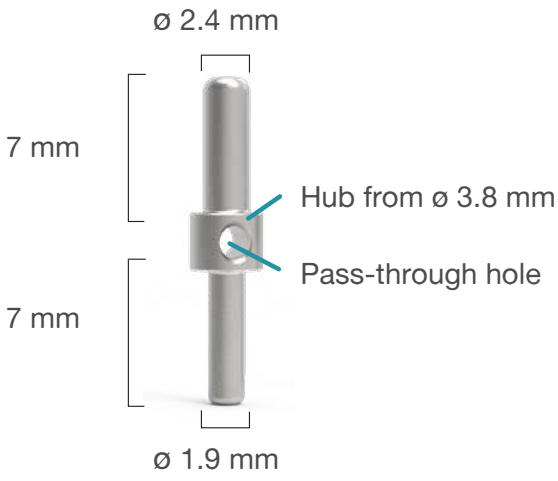
	D mm	Description	Code
	4.0	**BONE PROFILER** Surgical instrument made to level the bone ridge around the implant in order to create the necessary space for the prosthetic component to be properly housed. **The maximum recommended speed per contra-angle handpiece is 15 rpm with plenty of irrigation and maintaining cooling.**	SST-**0088**
	5.0		SST-**0089**
	6.0		SST-**0090**
		**BONE PROFILER GUIDE** It is used in combination with the Bone Profiler in order to ensure is optional use.	SST-**0063**

	Description	Code
	**DRILL EXTENDER (DRILL EXTENDER)** Tool that allows for greater length availability for handpiece instruments.	SST-**0124**

MEDICAL STAINLESS STEEL

PARALLELISM PINS

	Grades	Description	Code
	0°	**PARALLELISM PINS** The parallelism pin is designed with opposite ends of different diameters. ø 1.9 and ø 2.4; this allows the clinician to use the pin early in the drilling sequence to ensure proper implant placement and alignment.	MST-**1401**
	17°		MST-**1402**
	30°		MST-**1403**

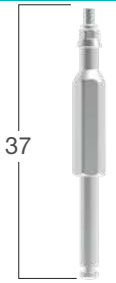


TITANIUM GRADE 23

DRIVER, SCREWDRIVERS AND RATCHETS

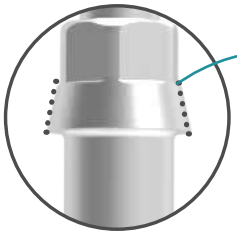
Contra-angle driver is a surgical tool
designed to allow the dental implant to be inserted into the bone site.
The recommended speed for implant insertion is 15 rpm, not exceeding 25 rpm. Do not irrigate.

IMPLANT DRIVER

	L	Description	Code
	SHORT	CONTRA - ANGLE DRIVER	SST-0132
	LONG		SST-0135

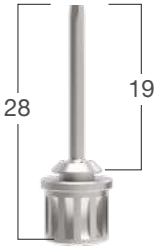
	L	Description	Code
	SHORT	MANUAL DRIVER AND FOR RATCHET	MST-1207
	LONG		MST-1208

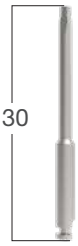
MEDICAL STAINLESS STEEL



The engage of the Driver is considered completed only when the conical part is no longer visible.

PROSTHETIC SCREWDRIVERS

	L	Description	Code
	1.2 SHORT	MANUAL SCREWDRIVER AND FOR RATCHET	MST-1109
	1.2 LONG		MST-1110

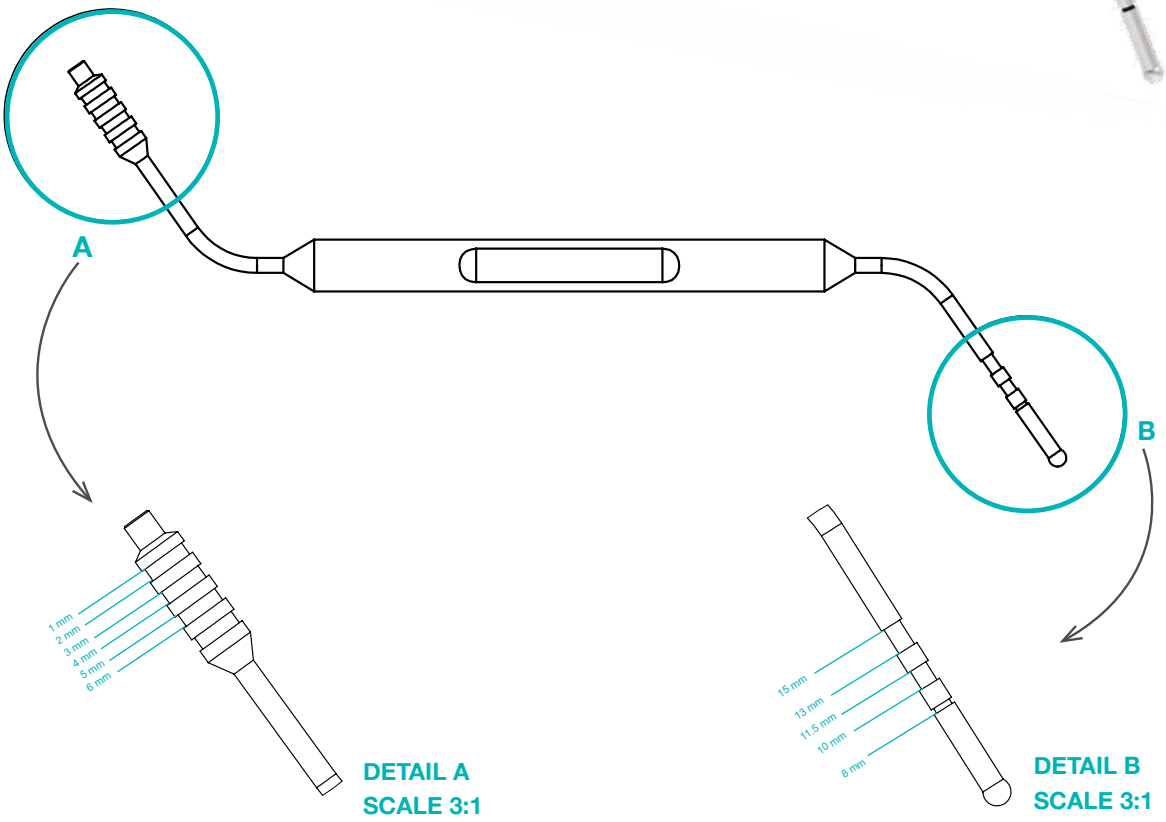
	L	Description	Code
	1.2 SHORT	UNIVERSAL SCREWDRIVER	MST-0093
	1.2 LONG		MST-0094

	Description	Code
	RATCHET ADAPTER	MST-1301

MEDICAL STAINLESS STEEL

DEPTH PROBE

Code
MST-**1004**



DETAIL A
SCALE 3:1

DETAIL B
SCALE 3:1

DOUBLE MEASURING TIP

- Osteotomy depth: measuring the depth of the implant site elevation.
- Gingival height: the height of the gingival tract is examined.

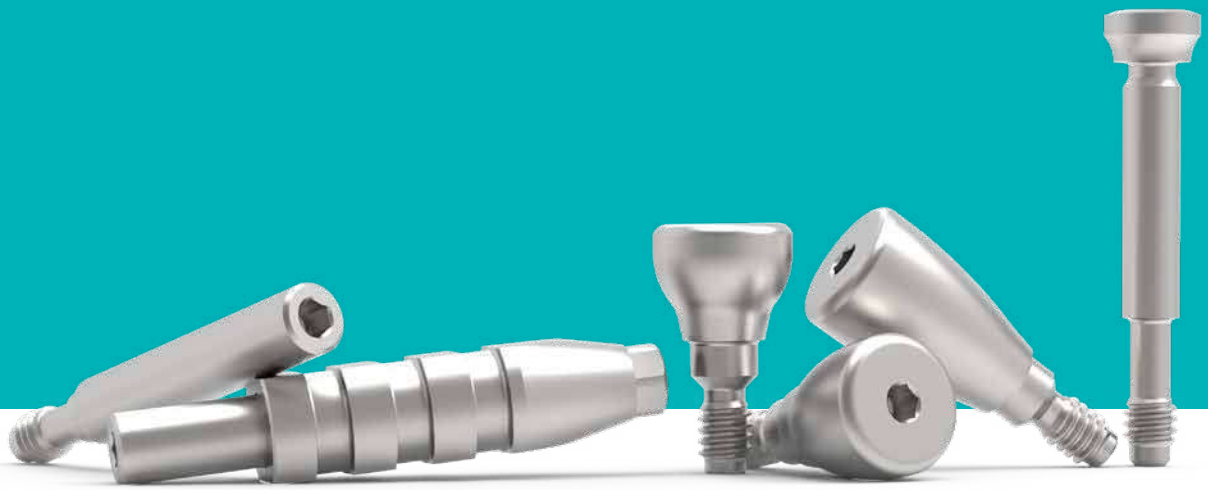
MEDICAL STAINLESS STEEL

RATCHETS

	Description	Code
	**RATCHET WRENCH** Ratchets for implant insertion and locking of prosthetic screws with torque indicative measures.	MST-**1001**
	**RATCHET**	MST-**1006**

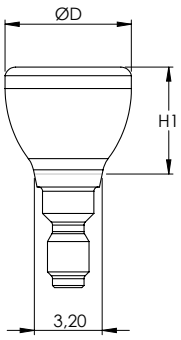
MEDICAL STAINLESS STEEL

PRE-PROSTETHIC



Healing screws prepare the site for superstructure insertion and “shape” the soft tissue surrounding the implant.
The appropriate screw should be chosen according to the thickness of the mucosa.

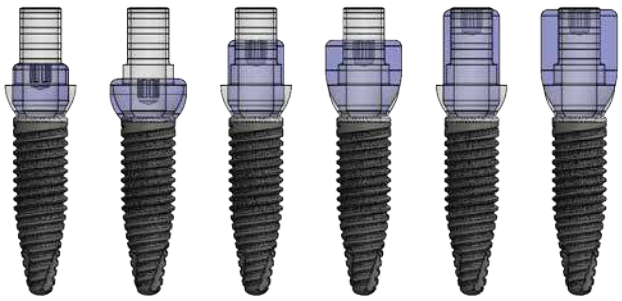
HEALING SCREWS

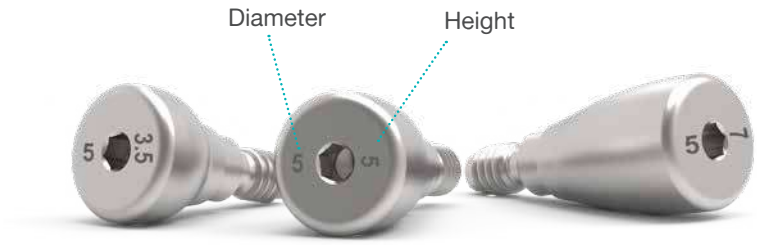


	H1 mm	D mm	Thread	Description	Code
	3.5	3.7	M1.6	The **IGEA NARROW** line includes a series of healing screws of different anatomical configurations and varied heights, suitable for conditioning soft tissue according to prosthetic needs.	HLS-**1300**
		5			HLS-**1304**
	5	3.7	M1.6		HLS-**1302**
		5			HLS-**1306**
	7	3.7	M1.6		HLS-**1308**
		5			HLS-**1310**

TITANIUM GRADE 23

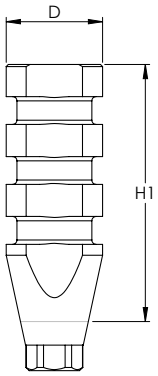
H3.5 ø3.7 H3.5 ø5 H5 ø3.7 H5 ø5 H7 ø3.7 H7 ø5





Laser marking for immediate identification of diameter and height

IMPRESSION COPING OPEN TRAY



	H1 mm	D mm	Code
	12	4.5	TAB-**1600**

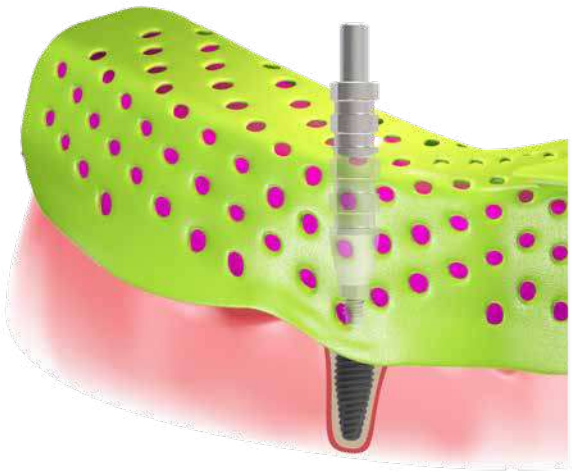
NON STERILE

OPEN TRAY SCREWS

	L mm	Thread	Code
	19	M1.6	SCR-**1405**
	24	M1.6	SCR-**1413**

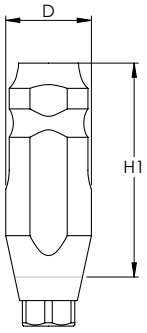
10Ncm

TITANIUM GRADE 23



For open transfer, the impression should be made with the open tray or individual tray impression technique.

IMPRESSION COPING CLOSED TRAY



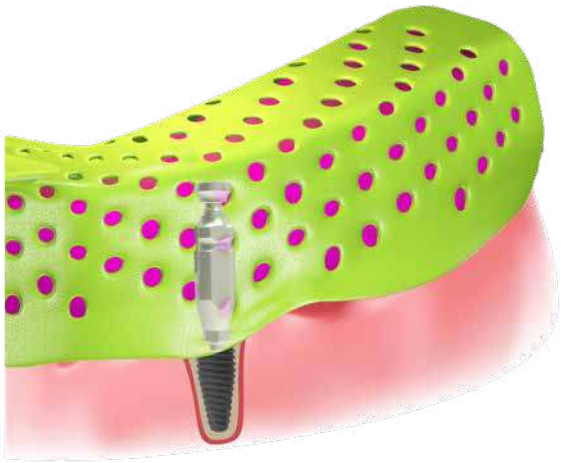
	H1 mm	D mm	Code
	7	4.5	TAB-**1602**

NON STERILE

CLOSED TRAY SCREW

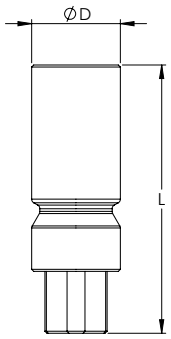
	L mm	Thread	Code
	16	M1.6	SCR-**1408**

TITANIUM GRADE 23



For closed transfer, the impression should be made with the closed spoon or closed tray technique.

IMPLANT REPLICA



	L mm	D mm	Code
	13	4.3	REP-**1614**

NON STERILE

REPLICA SCREW

	L mm	Thread	Code
	3.7	M1.6	SCR-**1412**

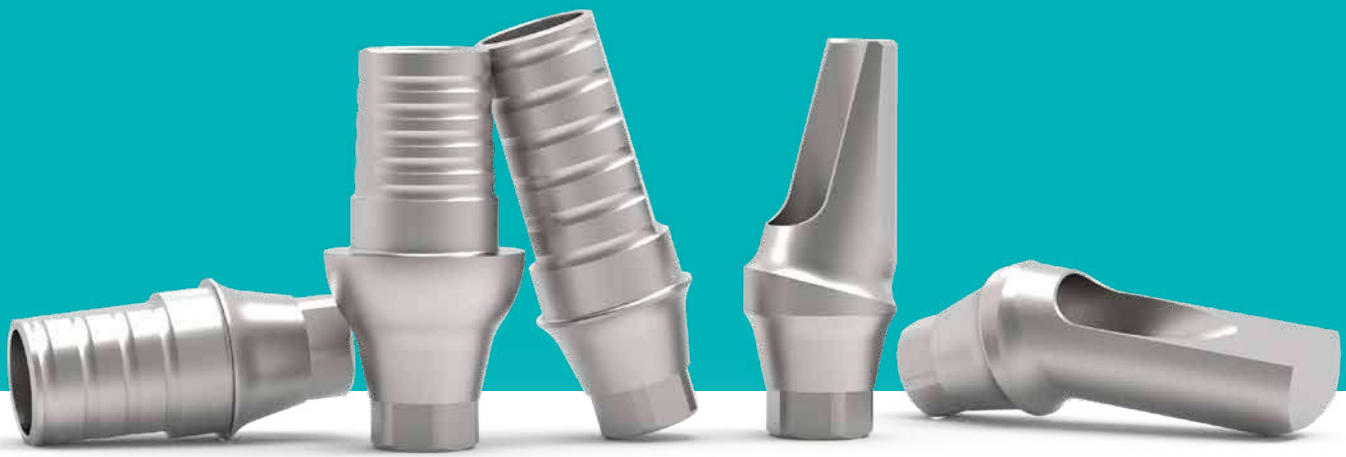
MEDICAL STAINLESS STEEL

USE IN MODEL DIGITAL

USE IN CAST

The IGEA line replica is suitable for use in **both plaster models Both in 3D printed models.** For the use of plaster models, the screw should be tightened on the body of the replica to create an undercut to prevent its axial movements.

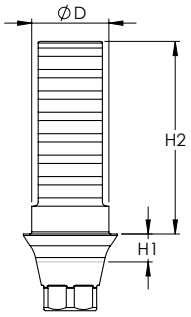
CEMENT-RETAINED PROSTHESIS AND OVERCASTABLE ABUTMENTS



In the study and design of prosthetic components, Mesa has paid special attention to offering optimal solutions to the clinician in order to make the fabrication of prosthetic elements simple and flexible.

The utmost precision of each of our components helps ensure long-term restoration success.

TITANIUM STRAIGHT ABUTMENTS



	H1 mm	H2 mm	D mm	Type	Code
	1	9	3.3	hexed	CEM-**1144**
		9	3.3	non-hexed	CEM-**1146**
	2.5	9	3.3	hexed	CEM-**1152**
		9	3.3	non-hexed	CEM-**1154**

NON STERILE

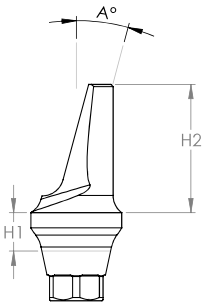
ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1400**

TITANIUM GRADE 23

The abutments are screwed directly onto the implant using the connection screw.
They are used to support both single crowns and bridges.
They are available in non-rotating and rotating versions.

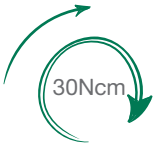
TITANIUM ANGLED ABUTMENTS



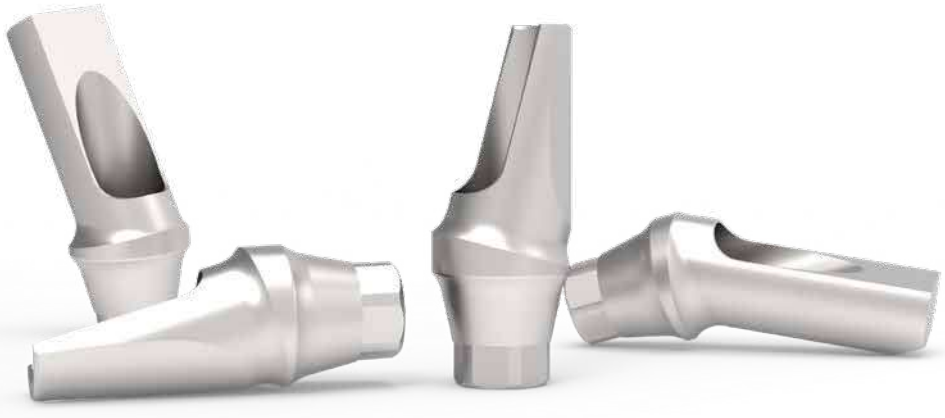
	A°	H1 mm	H2 mm		Code
	15°	1.8	6	 Hex A	CEM-**1116**
	15°	1.8	6	 Hex B	CEM-**1169**
	25°	1.6	7	 Hex A	CEM-**1136**
	25°	1.6	7	 Hex B	CEM-**1173**

ABUTMENT SCREW

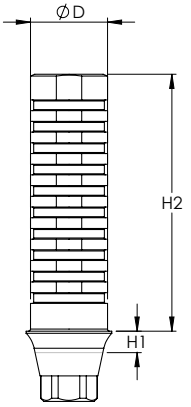
	Thread	Code
	M1.6	SCR-**1400**



TITANIUM GRADE 23



TITANIUM TEMPORARY ABUTMENTS



	H1 mm	H2 mm	D mm	Type	Code
	1	12	3.3	hexed	CEM-**1138**
		12	3.3	non-hexed	CEM-**1139**

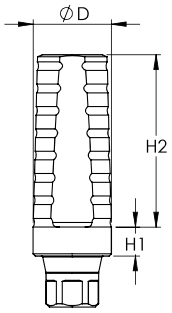
NON STERILE

ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1400**

TITANIUM GRADE 23

TITANIUM RESCUE ABUTMENTS

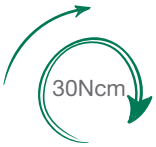


	H1 mm	H2 mm	D mm	Type	Code
	1.3	7.7	3.5	hexed	CEM-**1160**
		7.7	3.5	non-hexed	CEM-**1161**

NON STERILE

ABUTMENT SCREW

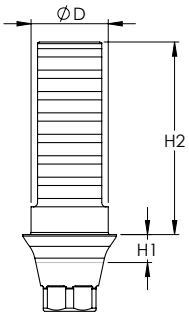
	Thread	Code
	M1.6	SCR-**1400**



TITANIUM GRADE 23

Rescue abutment is designed for implant that are placed supra gengival.

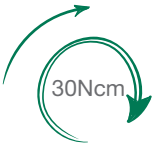
CR-CO OVERCASTABLE ABUTMENTS



	H1 mm	H2 mm	D mm	Type	Code
	1	9	3.6	hexed	OCA-**1145**
		9	3.6	non-hexed	OCA-**1147**
	2.5	9	3.6	hexed	OCA-**1153**
		9	3.6	non-hexed	OCA-**1155**

ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1400**



CHROME-COBALT

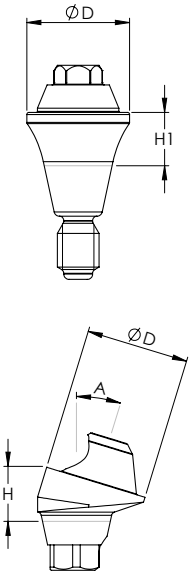
They can be used for a variety of solutions:

- Superfusion: with lost-wax modeling or by digital modeling
- Soldering
- Bonding of drilled or melting structure

MULTI-UNIT-SYSTEM

A modern multiprosthetic system, to make screw-retained bridges, screw-retained bars, “toronto bridge”, “all on four”, and “all on six”.
The variety, precision, and pliability of IGEA's screw-retained prosthetic components enable simple, immediate, and effective correction of the disparallelism between implants for tension-free (passive-fit) insertion of the prosthesis.

MULTI-UNIT ABUTMENTS



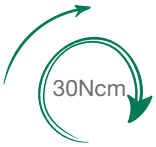
	A°	H1 mm	D mm	Code
	0°	1.5	4.8	MUA-**1200**
		2.5	4.8	MUA-**1208**
		3.5	4.8	MUA-**1214**
	17°	2.5	4.8	MUA-**1202**
		3.5	4.8	MUA-**1210**
	30°	3.5	4.8	MUA-**1204**
		4.5	4.8	MUA-**1212**

NON STERILE

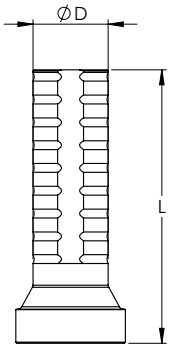
TITANIUM GRADE 23

MULTI-UNIT ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1402**



MULTI-UNIT CYLINDER



	L mm	D mm	Material	Code
	12	3.3	**TITANIUM**	CEM-**1206**
	12	3.3	**CR-CO**	OCA-**1207**

NON STERILE

MULTI-UNIT CYLINDER SCREW

	Thread	Code
	M1.4	SCR-**1404**

MULTI-UNIT COMPONENTS

Components		Screws
TAB-**1600** 	**IMPRESSION COPING MU OPEN TRAY**	SCR-**1407**  SAB-**1415** M1.4
TAB-**1612** 	**IMPRESSION COPING MU CLOSED TRAY**	 SCR-**1411** M1.4
HLS-**1315** H 4.5  HLS-**1316** H 6 	**MU HEALING CAP**	 SCR-**1404** M1.4
REP-**1616** 	**MU REPLICA**	 SCR-**1412** M1.6
SAB-**1621** 	**MU SCAN-ABUTMENT**	 SCR-**1404** M1.4

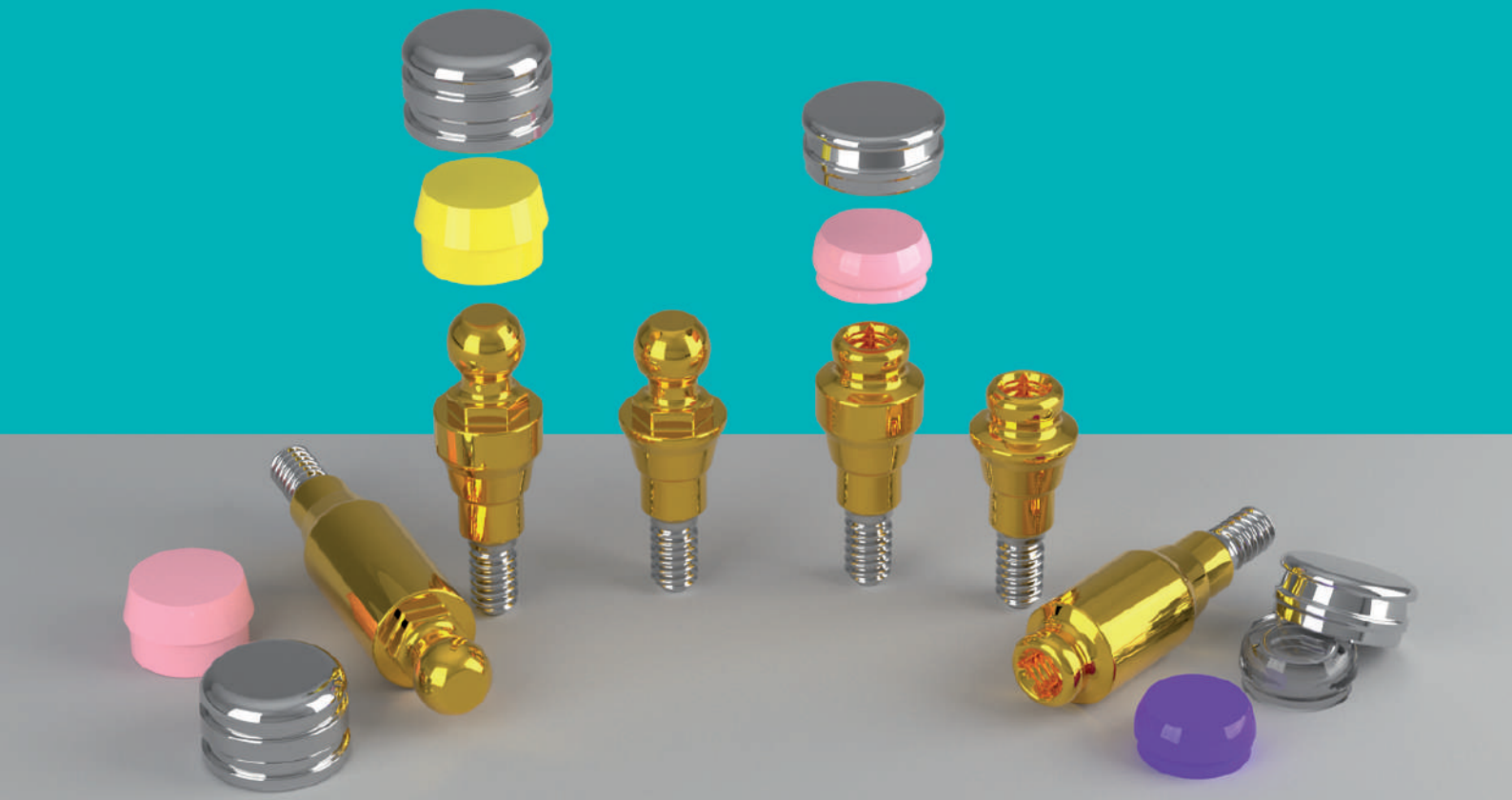
ACCESSORIES

	Descrizione	Codice
	UNIVERSAL MU MOUNTER	MST-**0092**
	MANUAL MU MOUNTER	MST-**1205**
	MU POSITIONER	MST-**1206**
	RATCHET ADAPTER	MST-**1301**

OVERDENTURE

Sphero BLOCK

OT EQUATOR



RHEIN83

OT EQUATOR IGEA REGULAR KIT

H mm	Code*
1.0	130IGR1
2.0	130IGR2
3.0	130IGR3
4.0	130IGR4
5.0	130IGR5
6.0	130IGR6

Complete package including:

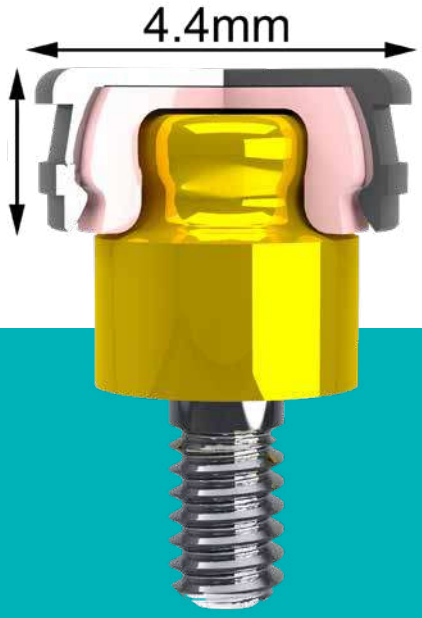
- 1 Ot Equator custom abutment in different lenghts in titanium with TIN coating
- 1 black cap (for laboratory use)
- 4 Yellow Retentive Caps: 1 Yellow (extra soft), 1 Pink (Soft), 1 White (standard), 1 Purple (rigid)
- 1 Protective disc

OT EQUATOR + SMART BOX IGEA NARROW KIT

Complete package including:

- 1 Ot Equator custom Ttitanium abutment in different lenghts
- 4 Retentive caps (different retention)
- 1 Cap self-parallelizing container
- 1 Protective disc

H mm	Code*
1.0	131IGN1
2.0	131IGN2
3.0	131IGN3
4.0	131IGN4
5.0	131IGN5
6.0	131IGN6



EQUATOR SECTION COMPLETE

RETENTIVE CAP ASSORTMENT KIT

KIT-192ECE

- 1 stainless steel cap container, Container
- 1 Black Cap (for laboratory use)
- 4 Yellow Retentive Caps: 1 Yellow (extra soft), 1 Pink (Soft), 1 White (standard), 1 Purple (rigid)
- 1 Protective disc

PURPLE CAP (4 pcs)
Rigid seal (2.5 Kg)
140CEV

WHITE CAP (4 pcs)
Standard seal (1.8 Kg)
140CET

PINK CAP (4 pcs)
Soft seal (1.2 Kg)
140CER

YELLOW CAP (4 pcs)
Extra soft seal (0.6 Kg)
140CEG

BLACK CAP (4 pcs)
From the laboratory
140CEN

STAINLESS STEEL CAP CONTAINER
(2 pcs)
141CAE

IMPRESSION COPING CLOSED TRANSFER
STRAPPING (2 pcs)
044CAIN

LABORATORY ANALOG
(2 pcs)
144AE

SMARTBOX CONTAINER WITH BLACK CAP FOR DIVERGENCES UP TO 50°
330SBE

EQUATOR KEY FOR RATCHET
774CHE

INSERTER/EXTRACTOR FOR CAPS
(OT EQUATOR - NORMO)
487ICE

DRIVER FOR DYNAMOMETRIC HANDPIECE
760CE

SPHERO BLOCK NORMO

H mm	Code*
1.0	002IGR1
2.0	002IGR2
3.0	002IGR3
4.0	002IGR4
5.0	002IGR5
6.0	002IGR6
7.0	002IGR7

Complete package including:

- 1 Customized spherical abutment
- 3 Retentive caps (different retention)
- 1 Cap container
- 3 Directional rings
- 1 Protective disc

TRANSPARENT CAP
STANDARD RETENTION
040CRN

BLACK CAP FROM THE LABORATORY
043CLN

PINK CAP
SOFT RETENTION
040CRNSN

STAINLESS STEEL CONTAINER
041CAN

YELLOW CAP
EXTRASOFT RETENTION
060CRNAY

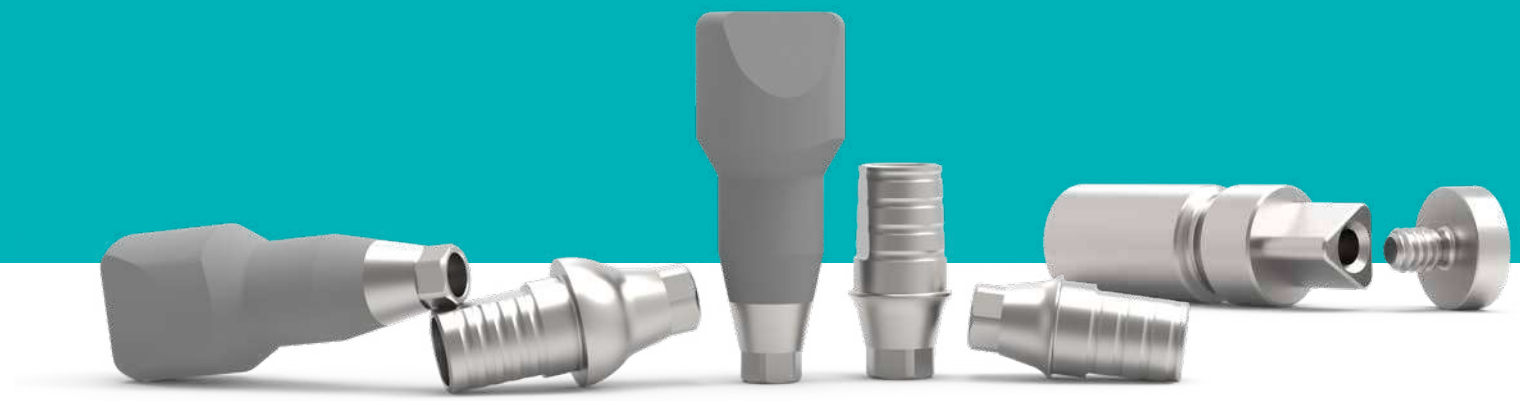
SPHERO BLOCK KEY FOR RATCHET
771CEF

INSERTER/EXTRACTOR FOR CAPS
(OT EQUATOR - NORMO)
485ICE

CONNECTOR FOR DYNAMOMETRIC HANDPIECE
760CE

REVERSIBLE DYNAMOMETRIC RATCHET
For tightening of Shero-Block and Ot Equator
Values of torque from 15 to 35 Ncm - Max 50 Ncm, suggested torque 25 Ncm
760CRD-US

DIGITAL LIBRARIES AND CAD/CAM ACCESSORIES



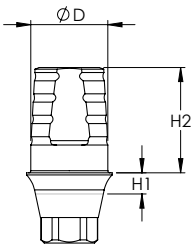
Our libraries are available for the following software: Exocad and 3Shape
and can be downloaded from the website www.mesaitalia.it

3shape exocad

Before installation, the associated digitising components and accessories must be identified.

Ti-Base, Scan-Abutment and Analog allow our implant line to have a wide range of restorative products allowing dentists and laboratories to embrace the digitization to design and create aesthetic and long-lasting restorations.

Ti-BASE

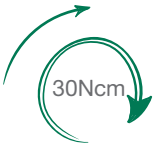


	H1 mm	H2 mm	D mm	Tipo	Code
	1	5	3.3	hexed	CEM-**1100**
		5	3.3	non-hexed	CEM-**1101**
	2.5	5	3.3	hexed	CEM-**1108**
		5	3.3	non-hexed	CEM-**1109**

TITANIUM GRADE 23

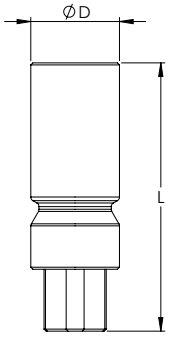
Ti-BASE SCREW

	Thread	Code
	M1.6	SCR-**1400**



The components of the Igea system that can be downloaded in the digital libraries, are marked with the symbol next to the reference table.

IMPLANT REPLICA



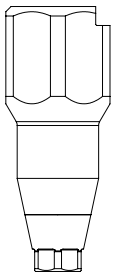
	L mm	D mm	Code
	13	4.3	REP-**1614**

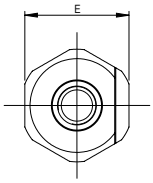
REPLICA SCREW

	L mm	Thread	Code
	3.7	M1.6	SCR-**1412**

MEDICAL STAINLESS STEEL

SCAN-ABUTMENT LARGE





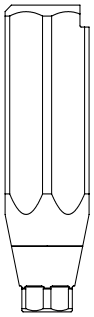
	H1 mm	D mm	Code
	12	6	SCA-**1617**

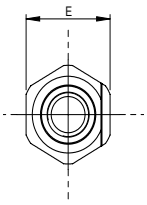
TITANIUM GRADE 23

SCAN-ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1400**

SCAN-ABUTMENT SMALL





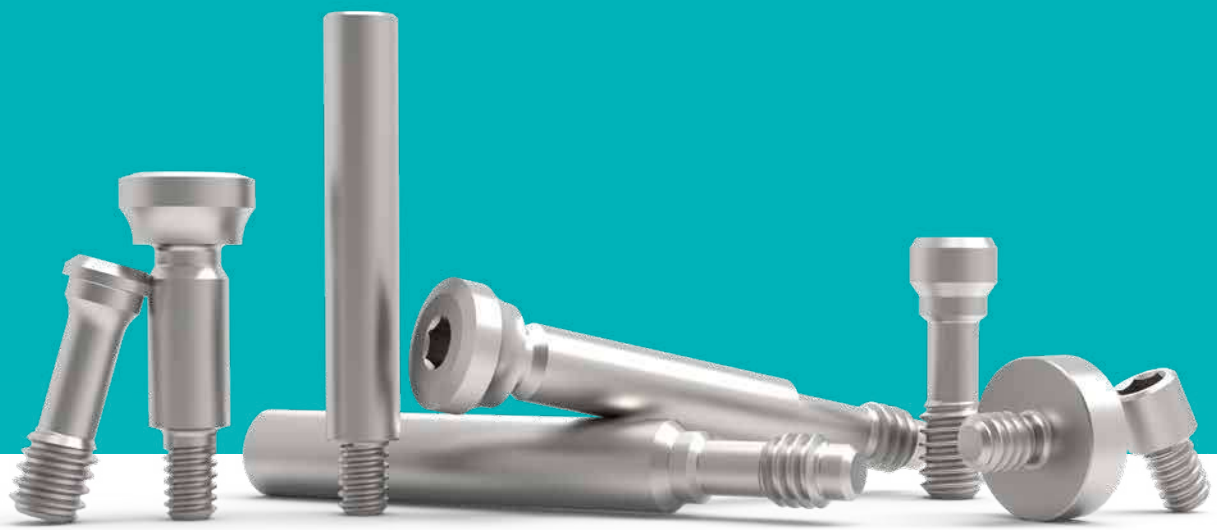
	H1 mm	D mm	Code
	12	6	SCA-**1619**

TITANIUM GRADE 23

SCAN-ABUTMENT SCREW

	Thread	Code
	M1.6	SCR-**1400**

IGEA NARROW SCREWS



IGEA screws allow for high quality abutment implant fixation
To avoid unscrewing that could result in damage to the finished work

SCREWS AND CODES

	Description	Thread	Code
	ABUTMENT SCREW	M1.6	SCR-1400
	Ti-BASE SCREW		
	SCAN-ABUTMENT SCREW		
	MU ABUTMENT SCREW	M1.6	SCR-1402
	MU SCAN-ABUTMENT SCREW	M1.4	SCR-1404
	CYLINDER SCREW		
	HEALING CAP SCREW		
	CLOSED TRAY SCREW	M1.6	SCR-1408
	MU CLOSED TRAY	M1.4	SCR-1411
	OPEN TRAY SCREW L19	M1.6	SCR-1405
	OPEN TRAY SCREW L 24		SCR-1413
	MU OPEN TRAY SCREW L19	M1.4	SCR-1407
	MU OPEN TRAY SCREW L 24		SCR-1415
	REPLICA SCREW	M1.6	SCR-1412
	MU REPLICA SCREW		
	COVER SCREW	M1.6	SCR-1501

RAW MATERIALS

Mesa Italia has always been careful to select the best raw materials on the market.
Commercially pure Grade 4 Titanium is used for the production of the **implant**, which in addition to ensuring rapid osterointegration has the highest mechanical strength among commercially pure Titanium grades.

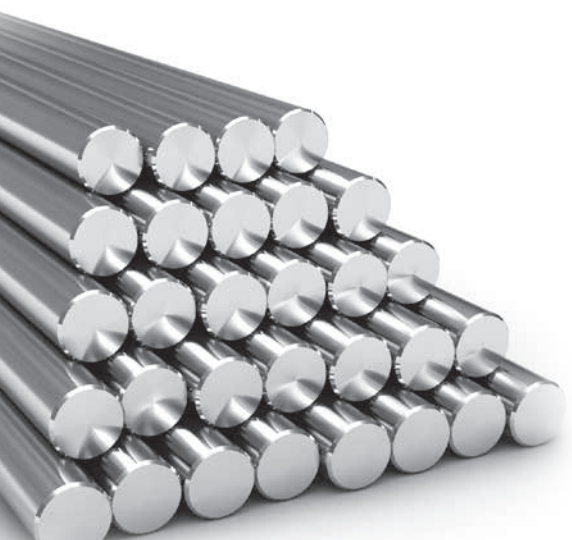
MEDICAL GRADE 4 TITANIUM TECHNICAL SPECIFICATIONS

CHEMICAL COMPOSITION	CONCENTRATION (% m/m)
Nitrogen (N)	< 0.05
Carbon (C)	< 0.08
Hydrogen (H)	< 0.015
Iron (Fe)	< 0.50
Oxygen (O)	< 0.40
Titanium (Ti)	Remaining

MECHANICAL PROPERTIES	MINIMUM VALUES
Breaking load	> 550 MPa
Yield strength (0.2%)	> 483 MPa
Elongation	> 15%

Our implants conform to the specifications expressed in current regulations for the use of Grade 4 Titanium in implantology:

- ASTM F67: Standard Specification for unalloyed titanium, for surgical impant applications



RAW MATERIALS

The prosthetic components is made from **Grade 23 Titanium alloy, the higher purity version of Grade 5**, which provides not only excellent biocompatibility but also high fracture resistance, making it suitable for the fabrication of prostheses.

SPECIFICATIONS TITANIUM GRADE 23 (TI6 AL-4V ELI)

CHEMICAL COMPOSITION	CONCENTRATION (%)
Nitrogen (N)	< 0.05
Carbon (C)	< 0.08
Hydrogen (H)	< 0.012
Iron (Fe)	< 0.25
Oxygen (O)	< 0.13
Aluminum (Al)	5.50-6.50
Vanadium (V)	3.50-4.50
Titanium (Ti)	Remaining

MECHANICAL PROPERTIES	MINIMUM VALUES
Breaking load	> 860 MPa
Yield strength (0.2%)	> 795 MPa
Elongation	> 10%

Our components comply with the specifications expressed in current regulations for the use of Grade 23 Titanium in implantology:

- ASTM F136: Standard Specification for wrought Titanium-6Aluminium-4Vanadium ELI (Extra low Interstitial) Alloy for surgical implant applications;
- ISO 5832-3: Surgical implants - Metallic materials - Part 3: Alloy Titanium 6 - Aluminum 4 - vanadium

RAW MATERIALS

MESA's overcasts are produced with Magnum Splendidum Chromium-Cobalt alloy, the company's historic alloy that has excellent characteristics and is also ideal for overcasting.
Overcasting with Magnum Lucens alloy, which is equally known for its peculiar oxidation resistance and lower solidus/liquidus temperature (1253-1304°C) than standard Cr/Co alloys, is recommended.
Displayed in the tables below, are data on the chemical composition and physical-mechanical properties of the alloys just described.

CHEMICAL COMPOSITION OF CHROME-COBALT ALLOYS:

	CO(%)	CR(%)	W (%)	MO (%)	NB (%)	OTHER COMPONENTS
Magnum Splendidum	60	28	9	0	0.0	3 (Si)
Magnum Lucens	63	28	3	0	4.0	2 (Mn, Fe)

PHYSICAL-MECHANICAL PROPERTIES OF CHROME-COBALT ALLOYS:

	CET (25-500°)	FUSION TEMPERATURE
Magnum Splendidum	14.2x10-6K-1	1440°C
Magnum Lucens	14.1x10-6K-1	1360°C

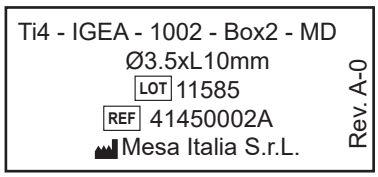
Mesa Discs - **Magnum Splendidum**

IMPLANT PACKAGING

Mesa implants come in sterile packaging that guarantees,
if intact and well preserved, the sterility of the same.

CARDBOARD BOX

which adequately preserves the product, allows for easy storage and enables immediate visual identification due to the well-presented color code on the outer label.



Inside the box there are also:

- Three adhesive labels showing code and lot identfying the implant that must be applied to and to the implant passport.
- Applied to the implant passport and to the medical record.
- The paper instruction for use.

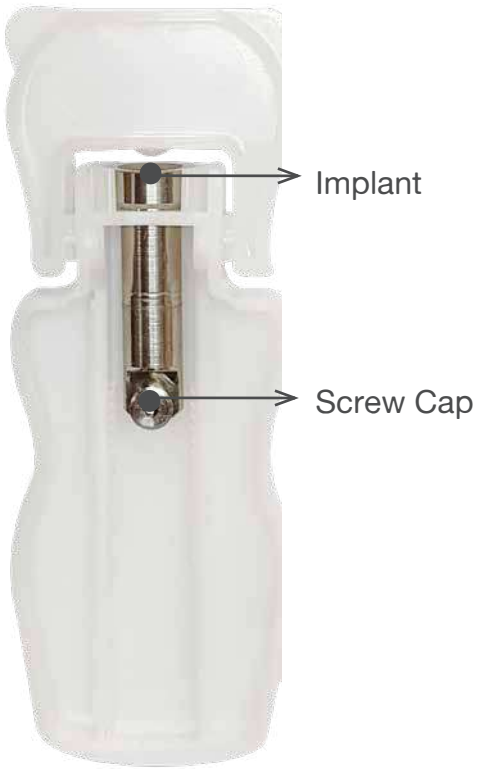
CE 0425	
	Production date
	Manufacturer
	To be used within
LOT	Batch Code
STERILE R	Sterilized by irradiation
	Not reusable
	Do not resterilize
	Danger
	Sterile packaging. Do not use the blister is open or damaged

IMPLANT SAMPLING

The implant is picked up directly
inside the Titanium container,
by the operator by means of the contra-angle,
without disrupting the sterile chain.

Rotate the
cap
backwards.

Pick up the
implant with the
contra-angle
Mounter
motorized.



IMPLANT PACKAGING

- **Ease of use:**

easy opening to allow convenient access to the implant and screw cap

- **Titanium holder** that serves as a support for the implant.

ANATOMICAL CRITERIA

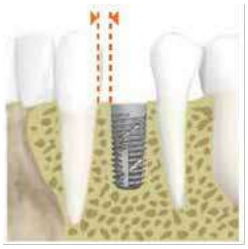
Before any implant surgery, a thorough patient history must be taken (clinical and radiographic analysis are necessary) and all possible risks must be evaluated. The patient's expectations must also be well outlined. Close communication between the patient, dentist, surgeon, and dental technician is critical to achieving the desired prosthetic result.

Design, quantity, diameter, and length of implants to be placed will depend on the type of restoration planned and the quality and quantity of bone available.
Only by respecting the minimum distances between elements can the restoration be designed so that the necessary oral hygiene measures can be performed. Inappropriate choice of implant size can lead to hard- and soft-tissue complications, even to implant surgery failure.
The location of the plant can be considered in 3 dimensions:

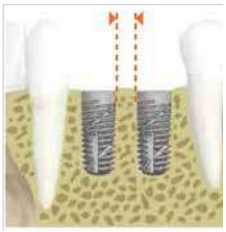
- **Mesio-distal**

The presence of mesio-distal bone is an important factor in the choice of implant diameter as well as inter-implant distances in the case of multiple implants.
Therefore, stick to the following minimum measures:
- Minimum distance 2 mm between implant emergence and contiguous tooth (mesial and distal) at the level of the bone crest;
- Minimum distance 3 mm between two adjacent implant emergences (mesial and distal).

Minimum 2 mm



Minimum 3 mm



NOTE: suggested measurements are indicative, the greater the distance the lower the risk of post-surgical issues.

- **Lingual vestibule**

The minimum requirement for restoration contours equals 1.0 mm on both sides of the platform diameter. In anterior areas, it is desirable to have at least 2 mm vestibular cortical area.

Minimum 1 mm

- **Vertical anatomical boundaries**

It is recommended to maintain a distance of 1.0 to 2.0 mm between the maximum depth of the osteotomy and the upper limit of the mandibular canal to avoid injuring the neurovascular bundle.

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WARNINGS AND CERTIFICATIONS

INSTRUCTIONS FOR USE

The information contained in this manual, supplements, without replacing, the instructions for use that accompany each Igea Implant System device and should not be construed as an alternative to the training and professional experience of the user.
Before using each product, it is recommended that you carefully read the instructions for use, which can also be found at **www.mesaitalia.it.**
Mesa Italia accepts no liability in the event of failure to comply with these instructions.

CASE DOCUMENTATION AND TRACEABILITY

It is recommended that clinical, radiological, photographic and statistical documentation be recorded for each patient.
Each implant and prosthetic components should be tracked using the part number and lot number, which are on the respective labels accompanying the dental implant: implant labels should be attached to the patient card to facilitate traceability

DISCLAIMER

The “IGEA” dental implant is intended only for professional use by licensed dental surgeons with extensive knowledge of dental prosthetics and should be inserted using only instruments and components supplied by the manufacturer.
The use of devices produced by third party companies, entails the forfeiture of the warranty and the cancellation of any obligation, expressed or implied, of the company Mesa Italia S.r.l.

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CERTIFICATION

Our brand is a guarantee of quality, the company is certified in accordance with **UNI EN ISO 9001 and UNI EN ISO 13485** standards and has obtained **CE marking** for medical devices in accordance with Directive 93/42/EEC as amended. (MDD)and EU Regulation 2017 / 745 as amended. (MDR).

MESA ITALIA S.R.L.

Via dell'Artigianato, 37
25039 Travagliato (bs) - Italy
tel. +39 030 6863251
info@mesaitalia.it
www.mesaitalia.it

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