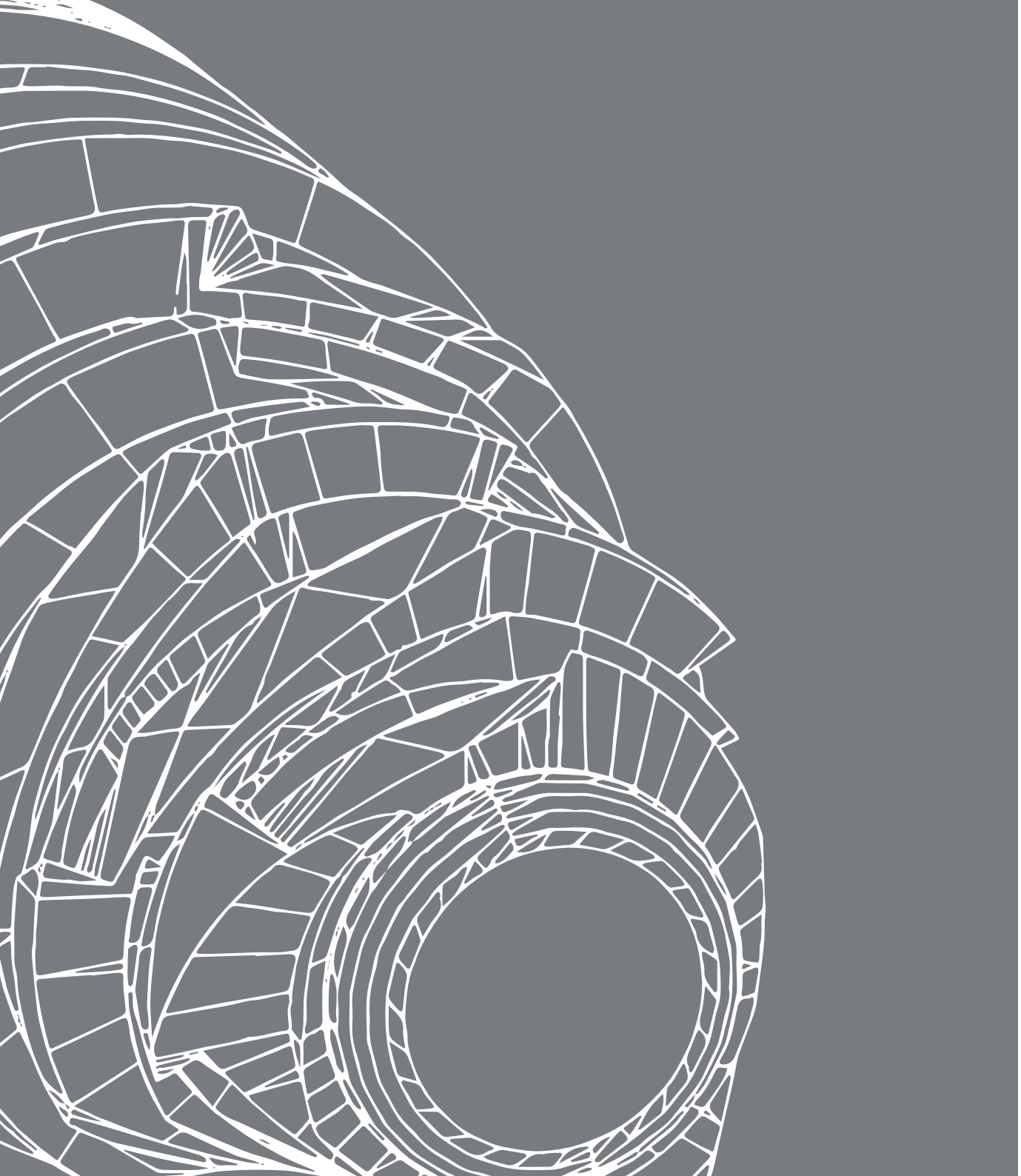


iml

swiss dental implants

UNIVERSE

Components List

ed. 2023_1

ABOUT US

The Swiss company IML SA Swiss Dental Implants was founded in 2009 by a close-knit team of professionals with twenty-year experience in the dental industry, especially dealing with implants.

Its engineers continuously strive to find effective solutions for new implantology needs, ones that meet the expectations of the most demanding professionals.

Main aim: to offer oral implantology that is Simple, Safe and Stable through time.

These "3Ss" summarise the guidelines the Company has established for its own standards and are pursued in every action it takes every day.

Men, materials and machines

Only the best raw materials, the most advanced technology, and the best professional.
These secrets of IML guarantee excellent products, free from manufacturing defects.

- Super-skilled operators able to develop a man-machine relationship able to optimise the features of their tools to achieve maximum performance
- Top quality titanium for medical use. grade 4 for implants and grade 5 for prostheses. IML titanium is exclusively imported from the United States, is guaranteed free from manufacturing defects and radioactivity
- Mechanical production using latest generation sliding head machines

Mechanical excellence

How important is it for the mechanical work in the connection of an implant or in the head of a screw to be well-executed?
Just as important as it is that the abutment remains well screwed to the implant.

IML is fully aware of the issues generated by all types of production defects and knows how to resolve them, and above all, it knows how to obtain, and systematically repeat, a PERFECT MECHANICAL EXECUTION.
For example, IML guarantees 5 thousandths of a millimeter tolerance on the measure of the hexagonal connection of the implent, on every single implant.

UNIVERSE SYSTEM

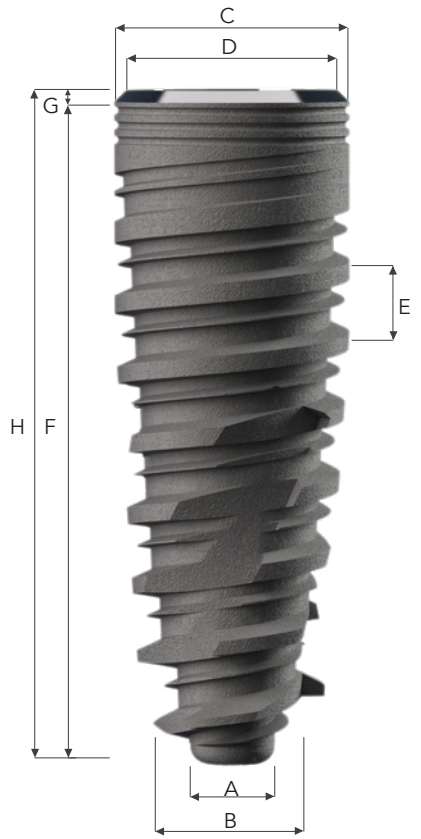
Best performance in the cases:

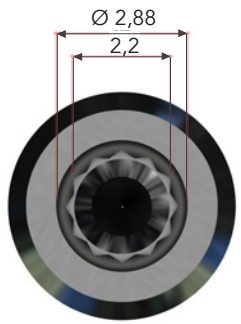
- **any bone density**
- **post extraction**
- **delayed loading**
- **immediate loading**

Universe implant

UNIT OF MEASUREMENT: mm

CODE	IMPLANT MEASURE (Ø x H)	A CORE Ø AT TIP	B THREAD Ø AT TIP	C IMPLANT Ø	D INTERFACE Ø	E THREAD PITCH	F SURFACE TREATMENT H	G SWITCHING PLATFORM H	H IMPLANT H
IM34-8	3.4 X 8	1.35	2.75	3.7	3.3	1.2	7.8	0.2	8
IM34-10	3.4 X 10	1.35	2.75	3.7	3.3	1.2	9.8	0.2	10
IM34-11.5	3.4 X 11.5	1.35	2.75	3.7	3.3	1.2	11.3	0.2	11.5
IM34-13	3.4 X 13	1.35	2.75	3.7	3.3	1.2	12.8	0.2	13
IM34-15	3.4 X 15	1.35	2.75	3.7	3.3	1.2	14.8	0.2	15
IM40-6	4 X 6	1.95	2.9	4	3.6	1.2	6.1	0.9	7
IM40-8	4 X 8	1.45	3.15	4	3.6	1.2	7.8	0.2	8
IM40-10	4 X 10	1.45	3.15	4	3.6	1.2	9.8	0.2	10
IM40-11.5	4 X 11.5	1.45	3.15	4	3.6	1.2	11.3	0.2	11.5
IM40-13	4 X 13	1.45	3.15	4	3.6	1.2	12.8	0.2	13
IM40-15	4 X 15	1.45	3.15	4	3.6	1.2	14.8	0.2	15
IM45-6	4.5 X 6	1.8	3.45	4.5	3.9	1.2	6.1	0.9	7
IM45-8	4.5 X 8	1.8	3.45	4.5	3.9	1.2	7.8	0.2	8
IM45-10	4.5 X 10	1.8	3.45	4.5	3.9	1.2	9.8	0.2	10
IM45-11.5	4.5 X 11.5	1.8	3.45	4.5	3.9	1.2	11.3	0.2	11.5
IM45-13	4.5 X 13	1.8	3.45	4.5	3.9	1.2	12.8	0.2	13
IM45-15	4.5 X 15	1.8	3.45	4.5	3.9	1.2	14.8	0.2	15
IM50-6	5 X 6	2.2	3.8	5	4.2	1.3	6.1	0.9	7
IM50-8	5 X 8	2.2	3.8	5	4.2	1.3	7.8	0.2	8
IM50-10	5 X 10	2.2	3.8	5	4.2	1.3	9.8	0.2	10
IM50-11.5	5 X 11.5	2.2	3.8	5	4.2	1.3	11.3	0.2	11.5
IM50-13	5 X 13	2.2	3.8	5	4.2	1.3	12.8	0.2	13
IM50-15	5 X 15	2.2	3.8	5	4.2	1.3	14.8	0.2	15





NOTE:
Cover screw included

OPTIONAL:
The cover screw for bone ring can be purchased separately.

SURGICAL KITS

There are two surgical kit of the UNIVERSE implant system: CD (cylindrical drill surgical protocol) and TD (tapered drill surgical protocol).
Surgical boxes are designed for maximum simplicility of use and made entirely of plastic materials suitable for steam sterilisation.
The instrument positions are clearly labelled in order to facilitate identification during the surgical operation and to correctly replace them after the maintenance procedure. The silicon supports secure the instruments firmly during transportation and sterilisation.

The kit contains stops that allow drills to be used safely and they are suppy separately. Cylindrical drills and pilot drills are marked with indicators referring to implant height and drill stops.

All IML surgical instruments are manufactured in Surgical Steel of the highest quality that offers the best performance in terms of wear resistance and torque.
To follow carefully the directions of the surgical and prosthetic protocol and the instructions for cleaning and maintenance of the products ensures the optimal long-term performance and reliability for which products were designed.

Cylindrical drills KIT

Tapered drills KIT

Tools

Universe CD box for surgical instruments

BOX-UNCD

Universe TD box for surgical instruments

BOX-UNTD

Precision drill

	H
	U
⌀ 0.5	SFYS18

Cylindrical pilot drill for Universe

⌀ 2.0	SFYS19

Drill stops kit for pilot drill (6 pcs) for Universe TD

SFYS042

Drill extension

PR-FR

Guide pin

UN-PIN

Conical drill

Implant ø	Implant H: 6	8	10	11.5	13	15
3.4	FC34-6	FC34-8	FC34-10	FC34-11.5	FC34-13	FC34-15
4	FC40-6	FC40-8	FC40-10	FC40-11.5	FC40-13	FC40-15
4.5	FC45-6	FC45-8	FC45-10	FC45-11.5	FC45-13	FC45-15
5	FC50-6	FC50-8	FC50-10	FC50-11.5	FC50-13	FC50-15

FC34-6 is designed for implant Ø4 h6

Red drill stops kit for drills from Ø2 to Ø4 for UniverseCD

SFYS042

Green drill stops kit for drills from Ø4.4 for UniverseCD

SFYS043

Cylindrical drill

Ø	
2.7	SFYS21
3.1	SFYS22
3.6	SFYS23
3.9	SFYS20
4.4	SFYS25
4.9	SFYS55

Implant driver for motor

H	
10	15
AVM-C	AVM-L

Multitool implant driver

H		
10	15	25
CCIB-10	CCIB-15	CCIB-25

Dynamometric ratchet

DN-I

Torque range: 15-45 Ncm

Fixed ratchet

CR-U

Multitool driver for screws

H

10	15
CCIV-10	CCIV-15

Digital adapter for multitool driver

SFYS051

Motor driver for screws

H

6	12	17
SFYS011	SFYS012	SFYS013

Smartpeg for implant

SM-PEG

Multitool remover for abutment

IMESTR-U1

Multitool driver for straight MUA

AMM-U

Motor driver for straight MUA

SFYS016

Threadformer

∅		
	3.4	MC34
	4.0	MC40
	4.5	MC45
	5.0	MC50

Preparation (Cylindrical drill surgical protocol)

The Universe CD Surgical Protocol has been developed to provide surgeons with indications on how to choose the most suitable instruments for implant site preparation, depending on the type of bone.
However, it is the duty of the surgeon to apply the most appropriate surgical protocol on the basis of his/her experience and following a thorough assessment of the clinical situation of the individual patient.
For the preparation of the implant site, IML has developed cylindrical drills with a tapered tip and depth marks in accordance with the length of the implant; they can be used with drill stops.
In case of dense D1 bone, adequate cortical bone preparation is essential in order to allow the implant to be inserted smoothly in the bone.

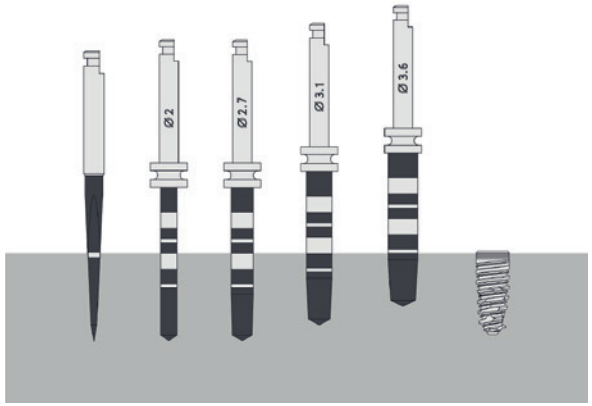
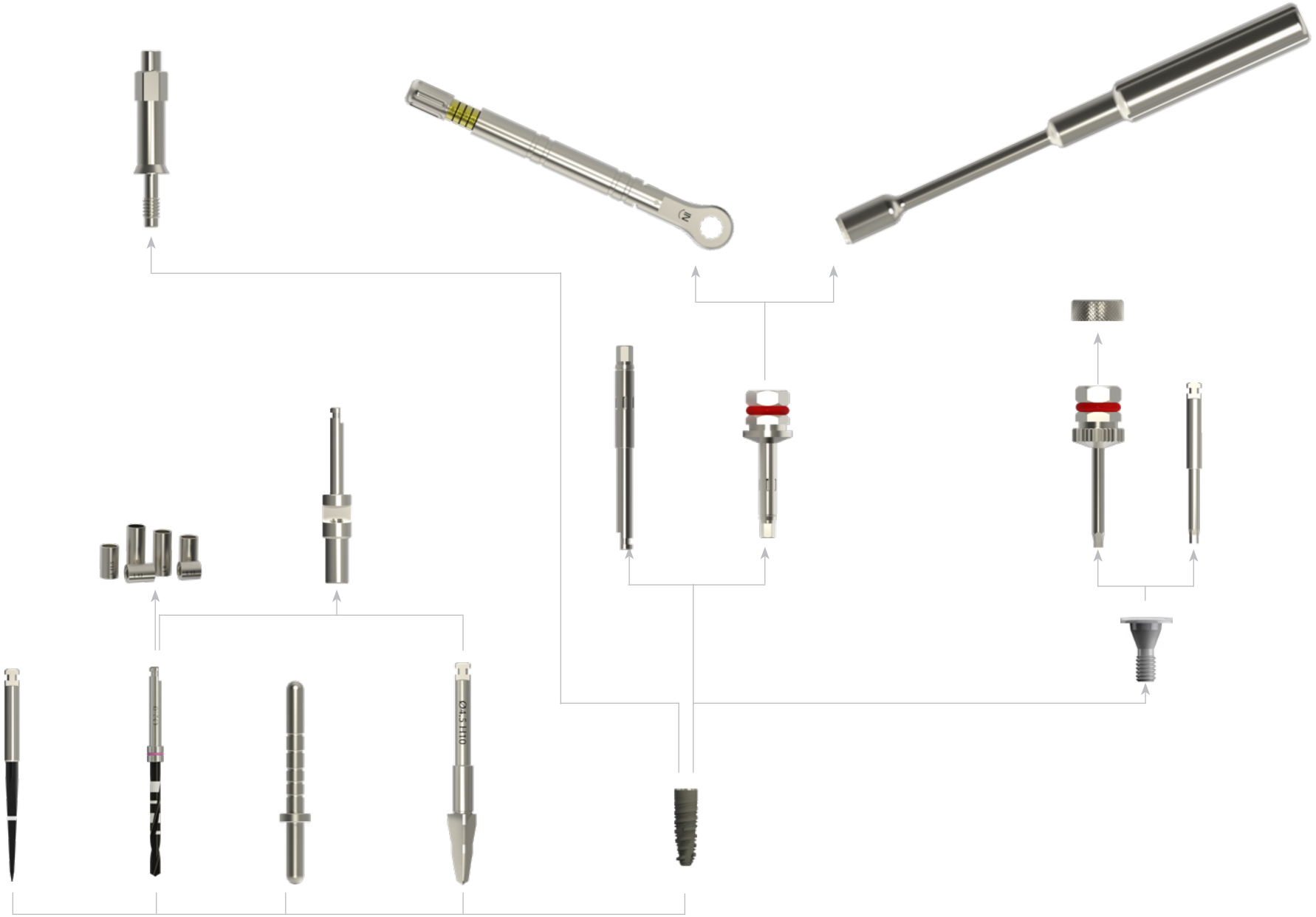


Fig. example of CD drilling sequence in dense bone of implant Ø3.4 h10
Consult the complete surgical protocol at www.iml.swiss

IMPORTANT:

- Implant must be positioned 1 mm under the crest bone.
- Drills prepare the site 0.7 mm more than the height of the implant.
- The implant is supplied complete with cover screw.
- Recommended torque max: 45 Ncm.

Preparation (Tapered drill surgical protocol)



The Universe TD Surgical Protocol has been developed to provide the surgeon with the most appropriate tools for bone compliance, and is also simple and practical.
The preparation of the implant site for the Universe implant is completed in 3 simple steps, after which the implant can be inserted easily:

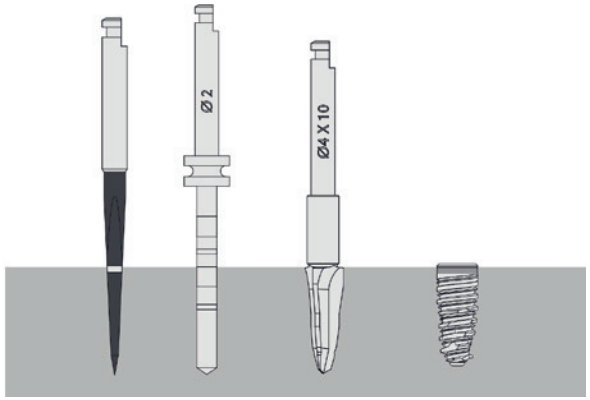


Fig. example of TD drilling sequence of implant Ø4 h10

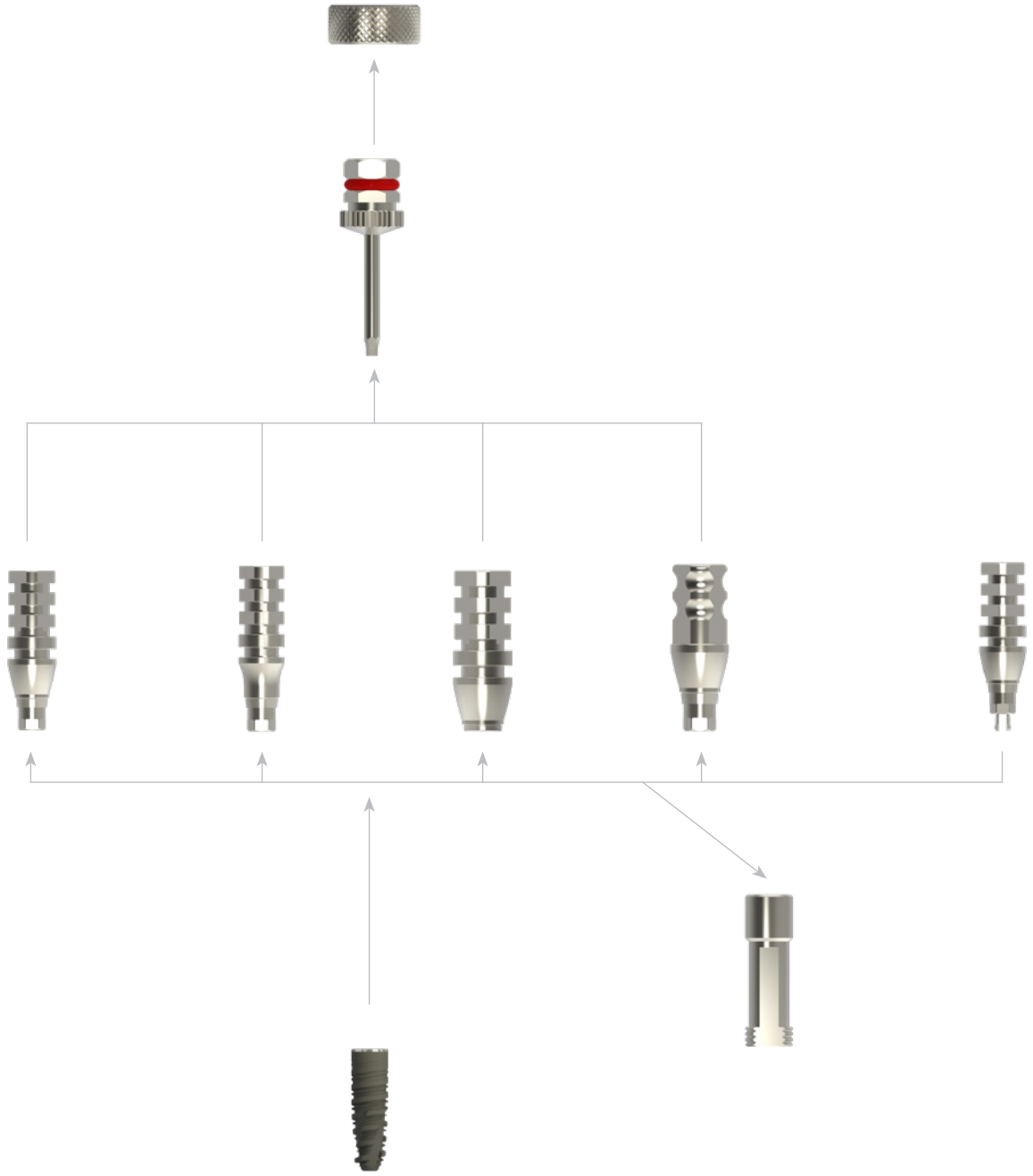
The preparation of the implant site is performed by tapered drills that optimise the bone available to place the implant, without waste.
These drills are sized at the core of each single diameter and height of the implant to facilitate the drilling protocol reducing it to three simple steps.
The particular tip shape guides the progressive advancement, respecting the bone and preparing a customized site. However, it is the duty of the surgeon to choose the most appropriate surgical protocol based on his or her experience following a thorough assessment of the individual patient's clinical situation.

IMPORTANT:

- Implant must be positioned 1 mm under the crest bone.
- Drills prepare the site 0.3 mm more than the height of the implant.
- The implant is supplied complete with cover screw.
- Recommended torque max: 45 Ncm.

	1° step	2° step	3° step
 Implant Ø3.4	Precision drill 	Pilot drill Ø2 	Drill Ø3.4 
 Implant Ø4	Precision drill 	Pilot drill Ø2 	Drill Ø4.0 
 Implant Ø4.5	Precision drill 	Pilot drill Ø2 	Drill Ø4.5 
 Implant Ø5	Precision drill 	Pilot drill Ø2 	Drill Ø5.0 

Impression taking workflow



Lab components

Open tray impression coping (*)

Platform		
	U	TRA-U

Open tray impression coping (*)

Platform		
	U	TRA-SL

Bridge open tray impression coping (*)

Platform		
	U	TRA-P

Closed tray impression coping (*)

Platform		
	U	TRA-C

Tear-off closed tray impression coping

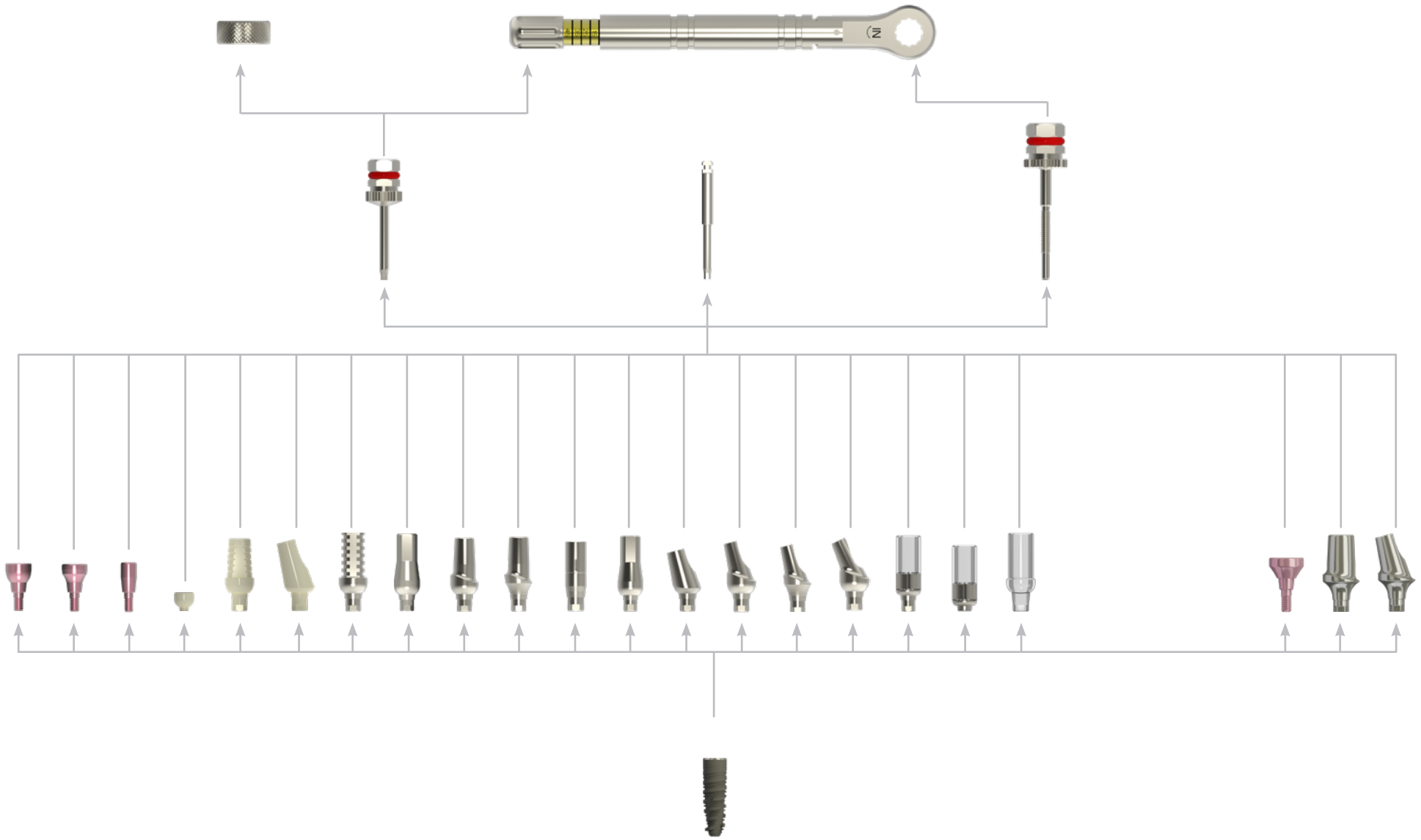
Platform		
	U	TRA-S

Implant replica

Platform		
	U	ANI-U

(*) Connection screw included.

Restoration workflow



Prosthetic parts

Healing screw

Platform	H 1	2	3	4	5
U	MGIU-1	MGIU-2	MGIU-3	MGIU-4	MGIU-5

Shift healing screw

Platform	H 1	2	3	4	5
U	MGIU-21	MGIU-22	MGIU-23	MGIU-24	MGIU-25

Slim healing screw

Platform	
U	MGIU-0

Bridge peek healing screw (*)

Platform	
U	MGIU-99

Peek temporary straight abutment (*)

Platform	H 0
U	MDIU-100

15° angled peek temporary abutment (*)

Platform	H 0
U	MIU15-100

Temporary straight abutment (*)

Platform	H 0
U	MDIU-101

Spare

Connecting screw for peek and temporary abutment

VT-K

Straight abutment (*)

Platform	H 0
U	MDIU-0

(*) Connection screw included.

Prosthetic parts

Aesthetic straight abutment (*)

Platform	H 1	2	3	4
U	MDIU-1	MDIU-2	MDIU-3	MDIU-4

Shift aesthetic straight abutment (*)

Platform	H 1	2	3	4
U	MDIU-21	MDIU-22	MDIU-23	MDIU-24

Slim straight abutment (*)

Platform	H 0
U	MDIU-013

Flat to flat straight abutment (*)

Platform	
U	MDIU-99

15° angled abutment (*)

Platform	H 0
U	MIU15-0

Aesthetic 15° angled abutment (*)

Platform	H 1	2	3
U	MIU15-1	MIU15-2	MIU15-3

Aesthetic 25° angled abutment (*)

Platform	H 0	1	2	3
U	MIU25-0	MIU25-1	MIU25-2	MIU25-3

Shift aesthetic 15° angled abutment (*)

Platform	H 1	2	3
U	MIU15-21	MIU15-22	MIU15-23

(*) Connection screw included.

XL prosthetic parts

Non rotating Cr/Co base calcinable abutment (*)

Platform	H: 1
U	MDIU-70

Rotating Cr/Co base calcinable abutment (*)

Platform	H: 1
U	MDIU-71

Calcinable non rotating abutment (*)

Platform	H: 2
U	CALI-U

Spare

Connecting screw for abutment

VT-P

XL healing screw

Platform	H: 1	2	3	4
U	MGIU-XL1	MGIU-XL2	MGIU-XL3	MGIU-XL4

XL aesthetic straight abutment (*)

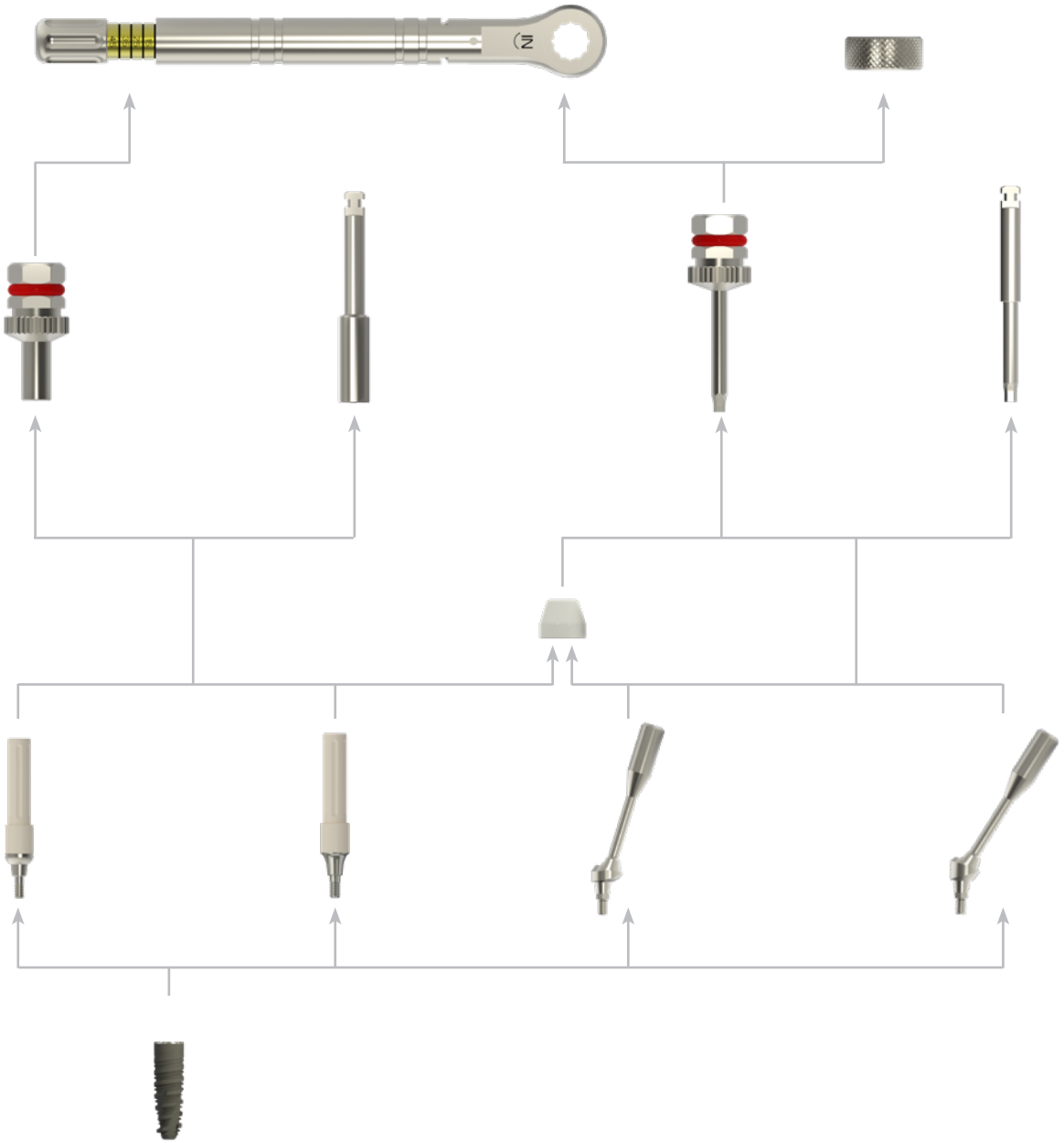
Platform	H: 1	2	3	4
U	MDIU-XL1	MDIU-XL2	MDIU-XL3	MDIU-XL4

XL aesthetic 15° angled abutment (*)

Platform	H: 1	2	3
U	MIU15-XL1	MIU15-XL2	MIU15-XL3

(*) Connection screw included.

MUA positioning workflow



MUA

Straight MUA

Platform	H 1	2	3	4	5
U	CDIU-1	CDIU-2	CDIU-3	CDIU-4	CDIU-5

Shift straight MUA

Platform	H 1	2	3	4	5
U	CDIU-21	CDIU-22	CDIU-23	CDIU-24	CDIU-25

17° angled MUA (*)

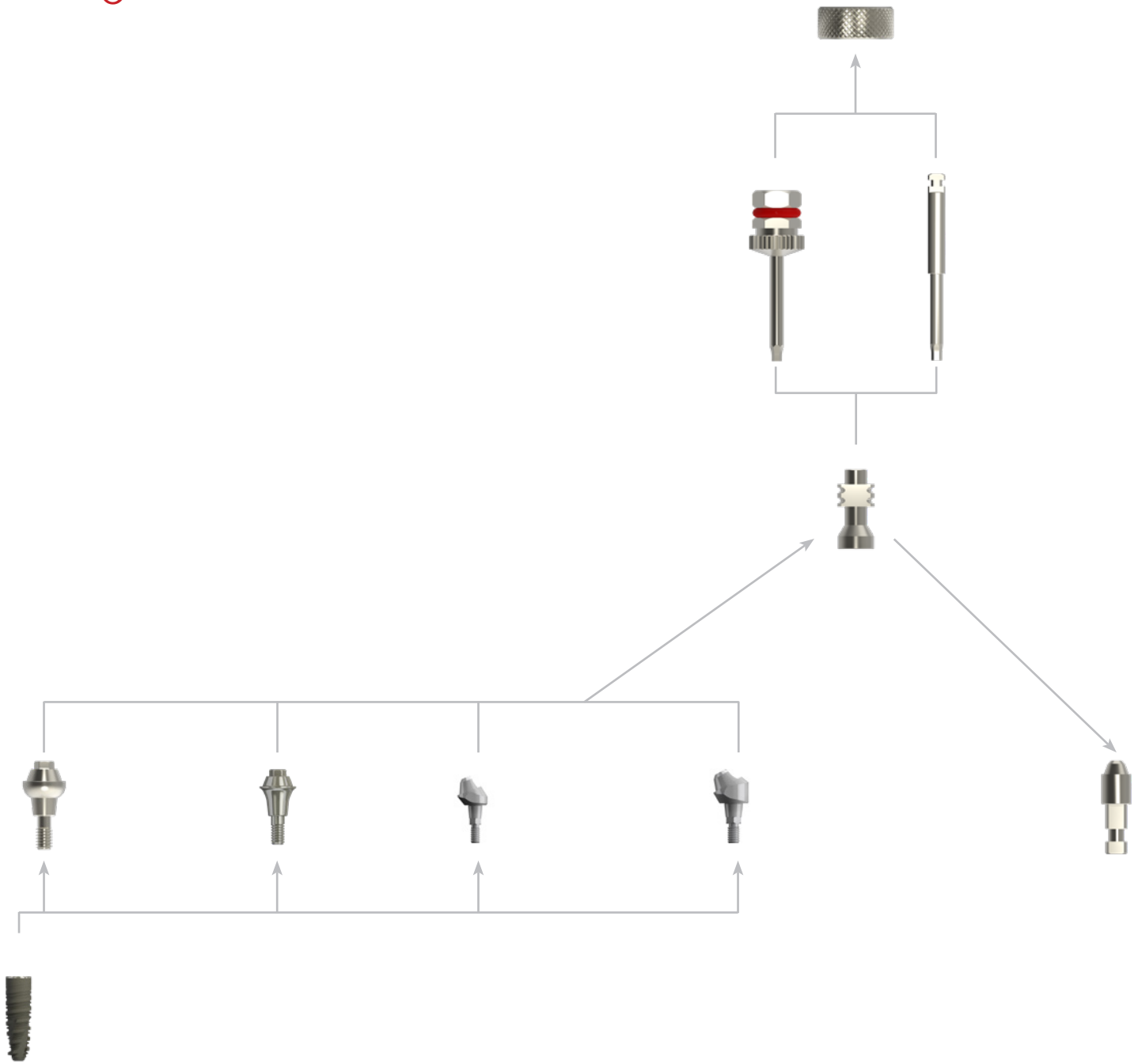
Platform	H 3	4
U	CIU17-3	CIU17-4

30° angled MUA (*)

Platform	H 3	4	5
U	CIU30-3	CIU30-4	CIU30-5

(*) Connection screw included.

MUA impression taking workflow



MUA lab components

MUA open tray impression coping (*)

SFYP076

OPTIONAL:
Long screw for MUA impression coping

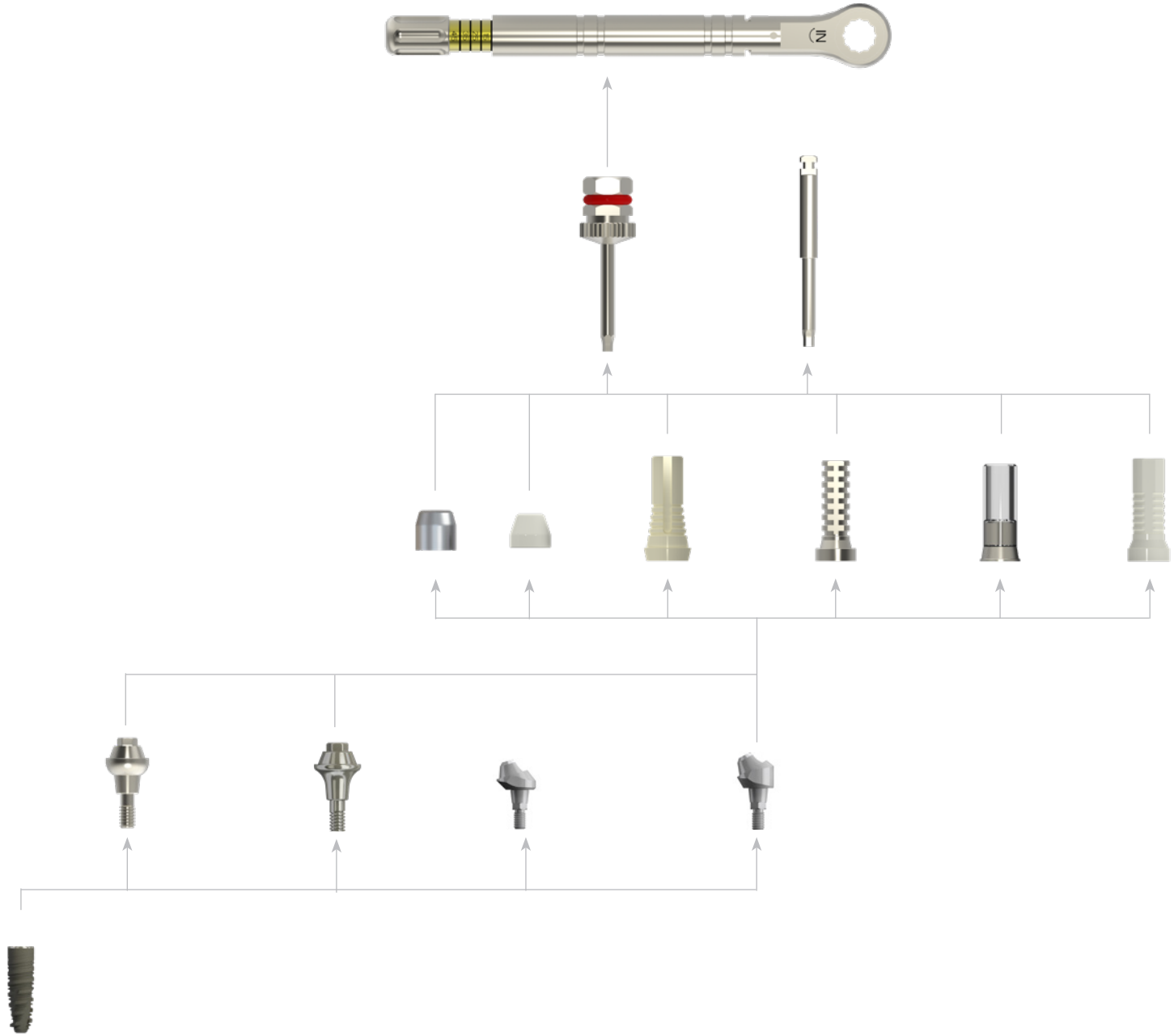
H
20
SFYV011

MUA replica

SFYP077

(*) Connection screw included.

MUA restoration



MUA prosthetic parts

MUA healing cap (*)

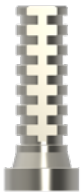
SFYP075

MUA titanium healing cap (*)

SFYP171

MUA peek temporary cylinder (*)

SFYP101



MUA titanium cylinder (*)

SFYP078

MUA Cr/Co base calcinable cylinder (*)

SFYP100

MUA calcinable cylinder (*)

SFYP079

Spare

M1.4 connecting screw for MUA prosthetic parts

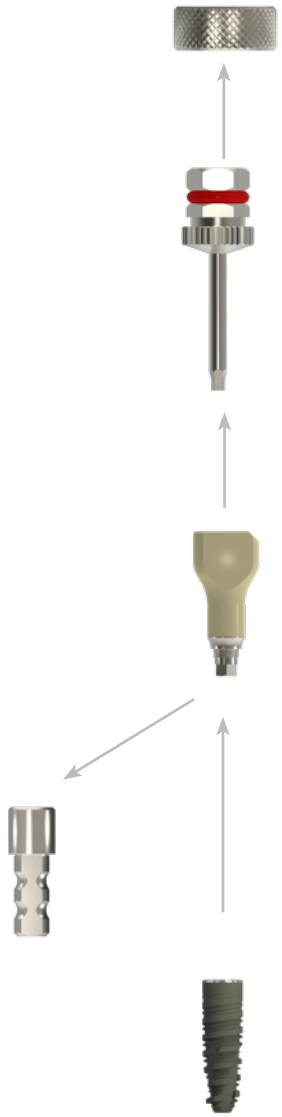
SFYV009

Max 15 Ncm

(*) Connection screw included.

CAD-CAM
DIGITAL DENTISTRY

Impression taking workflow



lab components

Scanbody ØU (*)

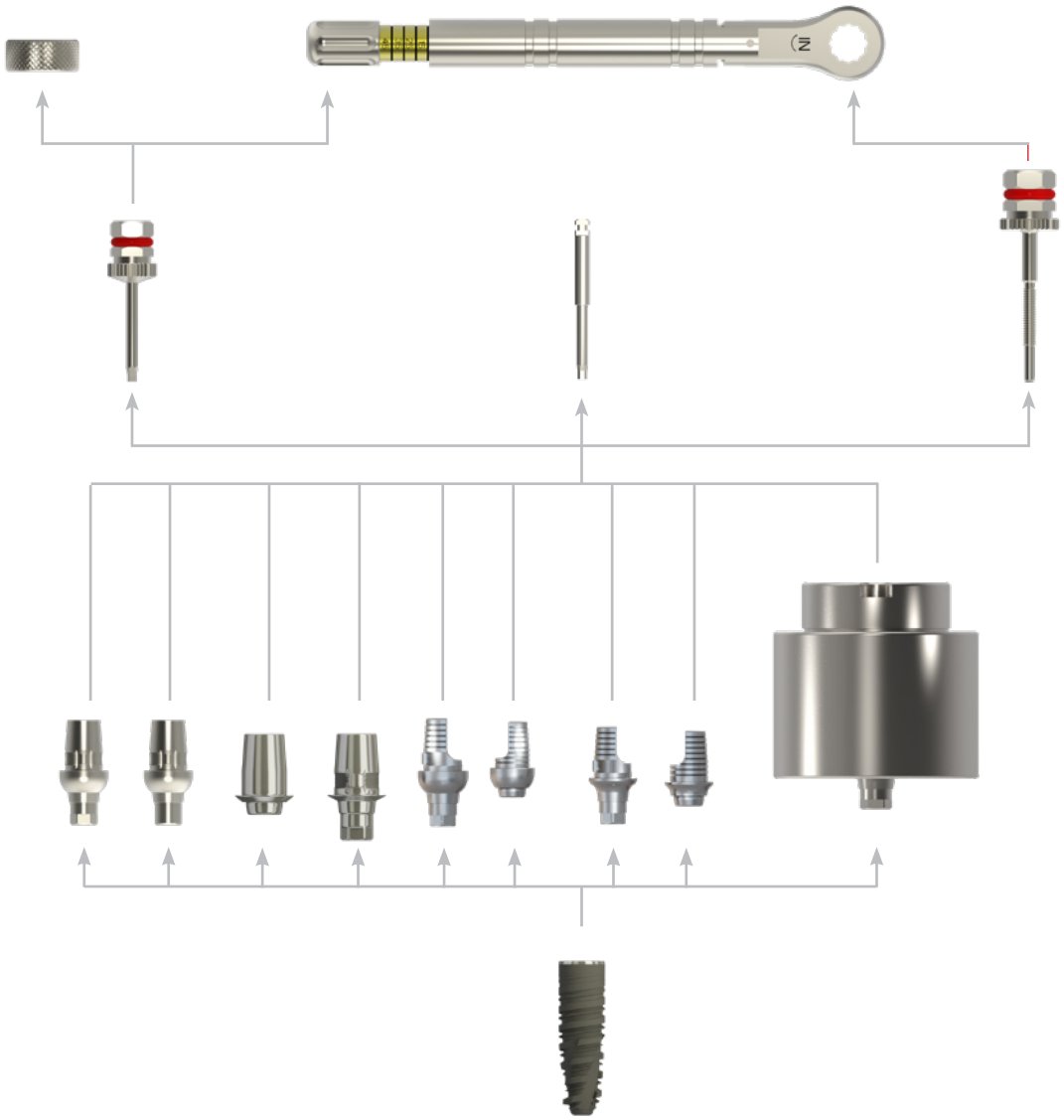
Platform		
	U	MDIU-80

CAD-CAM Implant replica ØU

Platform		
	U	ANI-CAD

(*) Connection screw included.

Restoration workflow



Prosthetic parts

Non rotating TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-51	MDIU-52	MDIU-57	MDIU-58

Rotating TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-53	MDIU-54	MDIU-59	MDIU-63

Non rotating shift TBase abutment H0.5 (*)

Platform	H 0.5
U	MDIU-50

Rotating shift TBase abutment H0.5 (*)

Platform	H 0.5
U	MDIU-56

TBase 360 shift abutment (*)

Platform	H 0.5	1	2	3	4
U	MDIU-64-20	MDIU-65-21	MDIU-66-22	MDIU-67-23	MDIU-68-24

(*) Connection screw included.

Non rotating shift TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-51-21	MDIU-52-22	MDIU-57-23	MDIU-58-24

Rotating shift TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-53-21	MDIU-54-22	MDIU-59-23	MDIU-63-24

Non rotating angled TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-A51	MDIU-A52	MDIU-A57	MDIU-A58

Rotating angled TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-A53	MDIU-A54	MDIU-A59	MDIU-A63

Non rotating angled shift TBase abutment H0.5(*)

Platform	H 0.5
U	MDIU-A50

Rotating angled shift TBase abutment H0.5(*)

Platform	H 0.5
U	MDIU-A56

Non rotating angled shift TBase abutment(*)

Platform	H 1	2	3	4
U	MDIU-A51-21	MDIU-A52-22	MDIU-A57-23	MDIU-A58-24

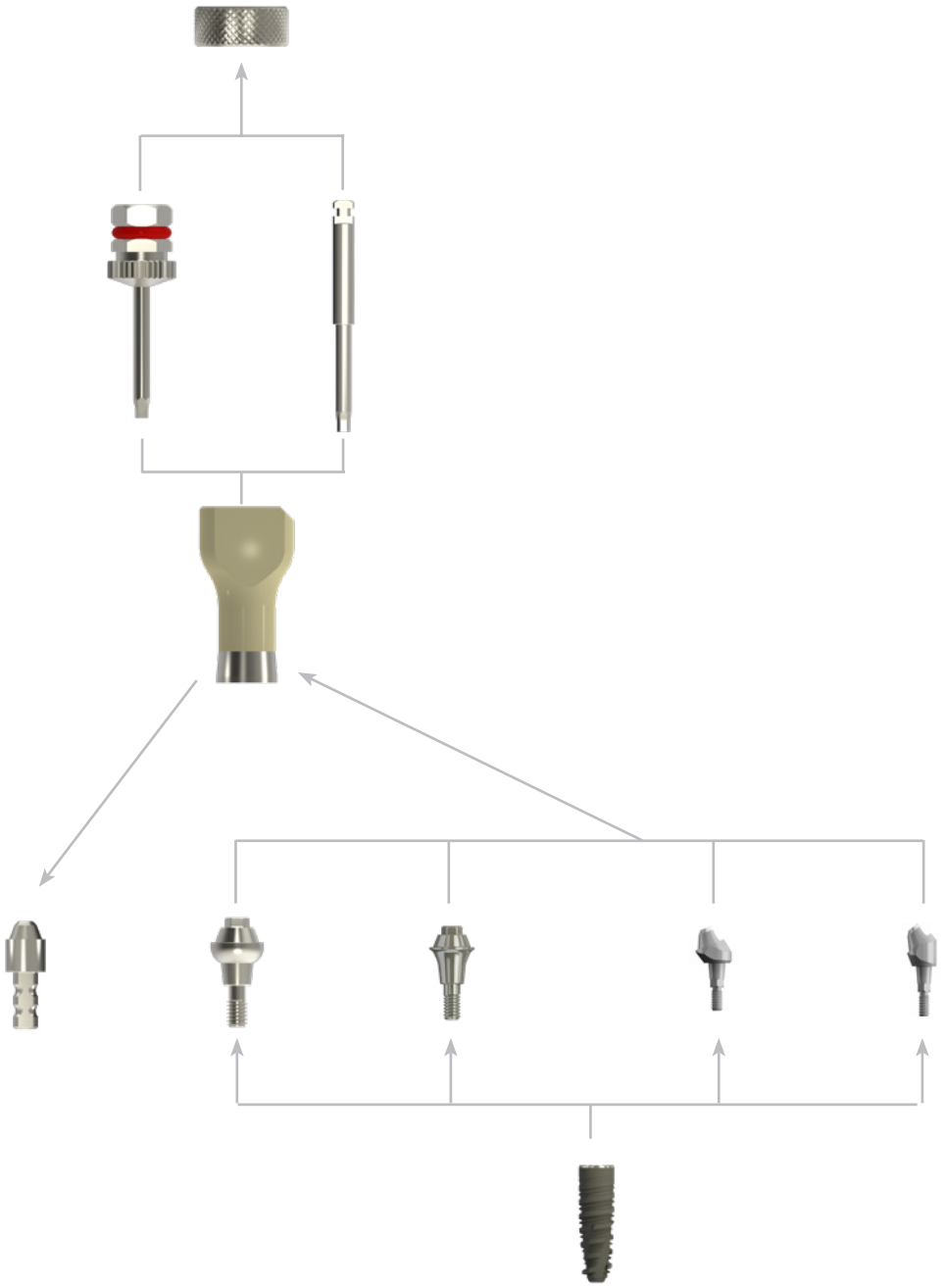
Rotating angled shift TBase abutment (*)

Platform	H 1	2	3	4
U	MDIU-A53-21	MDIU-A54-22	MDIU-A59-23	MDIU-A63-24

Premilled (*)

Platform	H 11.5	16
U	MDIU-60	MDIU-61

MUA impression taking



MUA lab components

MUA scanbody (*)

SFYP147

CAD-CAM MUA replica (*)

SFYP149

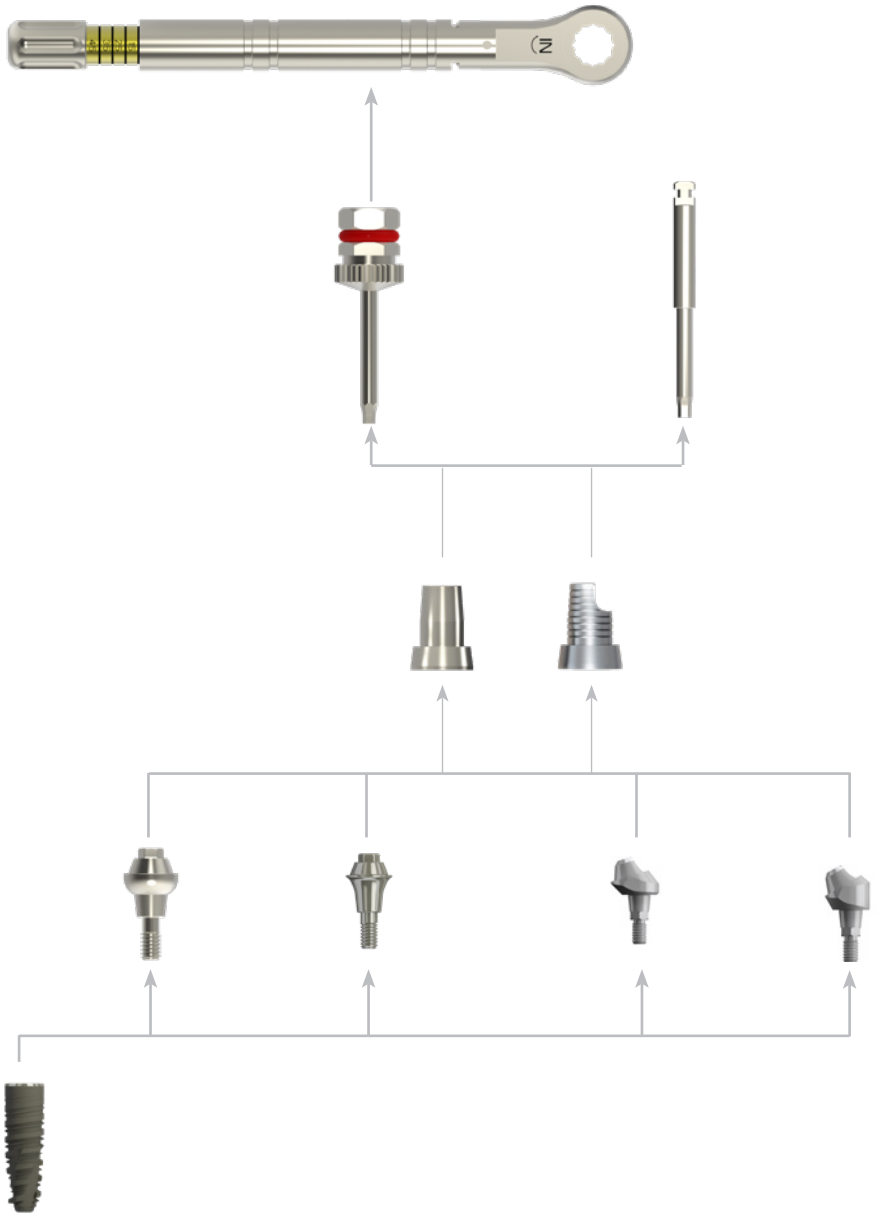
CAD-CAM fixing screw for implant replica

Spare

SFYV031

(*) Connection screw included.

MUA restoration



MUA prosthetic parts

MUA Tbase abutment (*)

SFYP148

MUA angled rotating Tbase abutment (*)

SFYP213

Spare

M1.4 connecting screw for MUA prosthetic parts

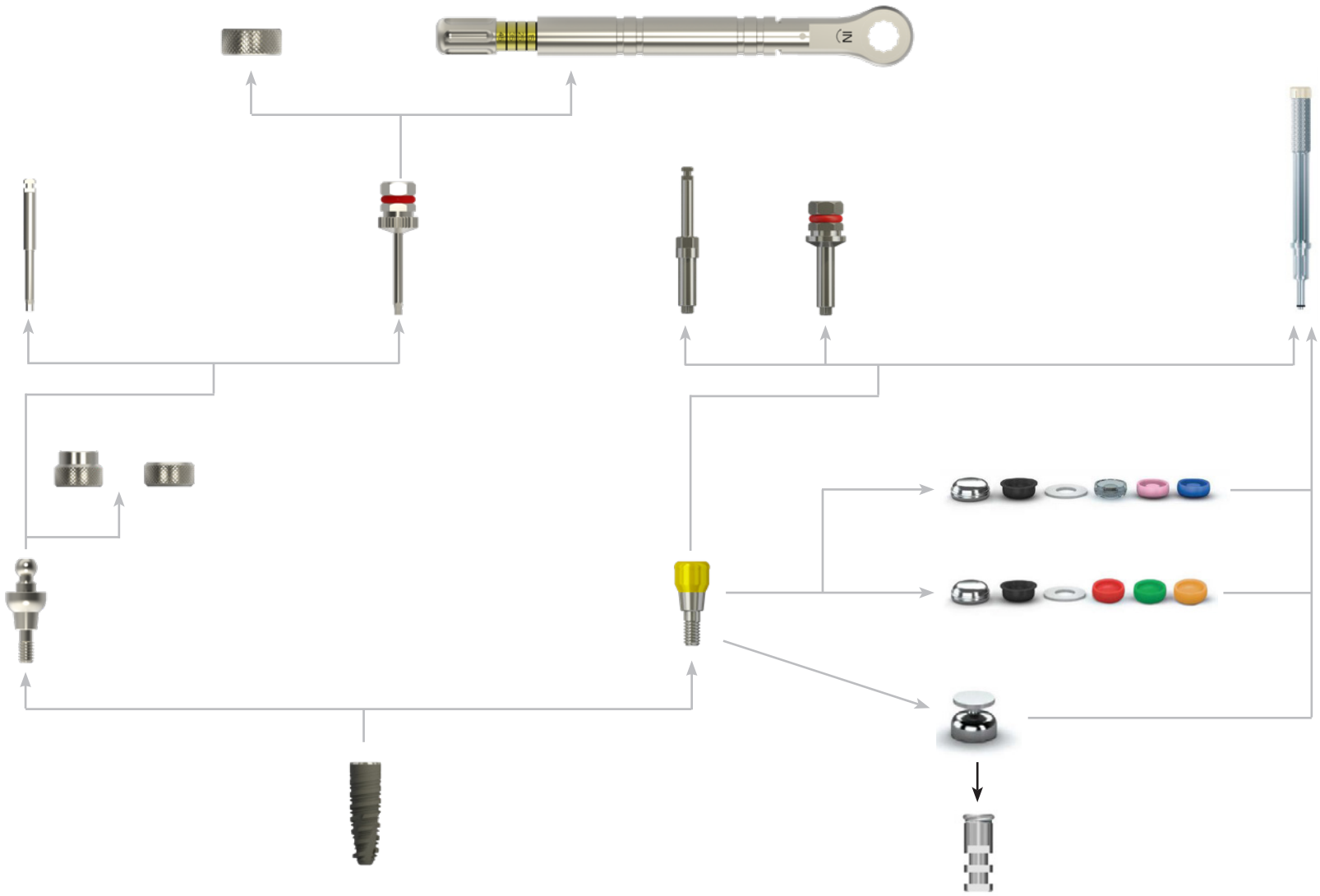
SFYV009

Max 15 Ncm

(*) Connection screw included.

OVERDENTURE SOLUTIONS

Overdenture solutions workflow



Overdenture prosthetic parts, lab components

Large ball abutment

Platform	H 1	2	3	4
U	OTKIU-1	OTKIU-2	OTKIU-3	OTKIU-4

Titanium closed cap for large ball

H
4.1
SFYP062

Titanium open cap for large ball

H
2.6
SFYP063

Spare

O-ring (10 pcs)

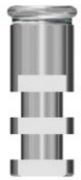
GOM-I

Flexator straight abutment

Platform	H 1	2	3	4
U	MDIU-201	MDIU-202	MDIU-203	MDIU-204

Flexator impression coping

SFYP164



Flexator replica

SFYP165

Flexator block out spacer - white

SFYP162

Flexator mid cap for lab - black

SFYP161

Flexator propack 0°- 20°

SFYP166

Flexator propack 20°- 40°

SFYP167

Flexator titanium cap

SFYP163

Flexator mid cap LR 0°-20° - blue

SFYP154

Flexator mid cap MR 0°-20° - pink

SFYP155

Flexator mid cap HR 0°-20° - transparent

SFYP156

Flexator mid cap ZR 20°-40° - grey

SFYP157

Flexator mid cap LR 20°-40° - red

SFYP158

Flexator tools

Flexator mid cap MR 20°-40° - orange

SFYP159

Flexator mid cap HR 20°-40° - green

SFYP160

Flexator guide pin

SFYS068

Flexator 3-in-1 universal driver

SFYS067

Multitool driver for flexator

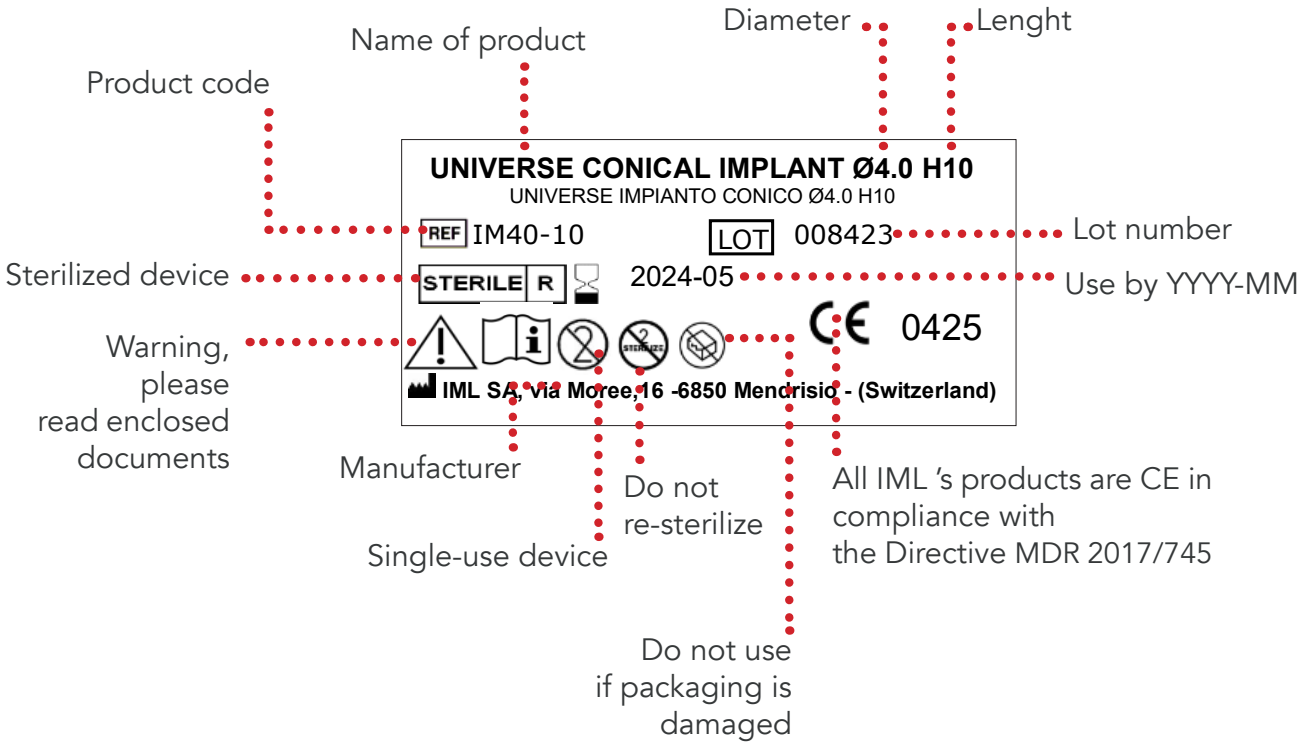
H	
6	12
SFYS065	SFYS066

Motor driver for flexator

H	
6	12
SFYS063	SFYS064

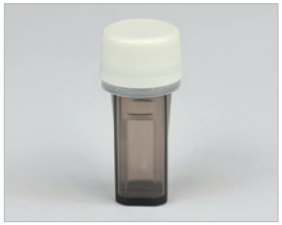
Packaging

IML's packaging process is performed in compliance with the standards set by the MDR 2017/745 Directive, which guarantee the sterilisation shelf-life. The IML implants are sterilised by beta rays.
The implants are packaged in a ABS container that, in turn, is placed inside a plastic container safety seal cap. Then the plastic container is placed inside a cardboard box bearing a removable label, bearing the implant information details. Further two copies of the label are into the cardboard box, to be placed on the implant passport and on the patient's medical record sheet.



Grey ABS implant system stopper and red ABS cover screw stopper are carefully washed and dried. The dental implant is contained in titanium spacers.

The transparent grey fumè Polypropylene (PP) container is closed with a white Polypropylene (PP) stopper with a safety seal.



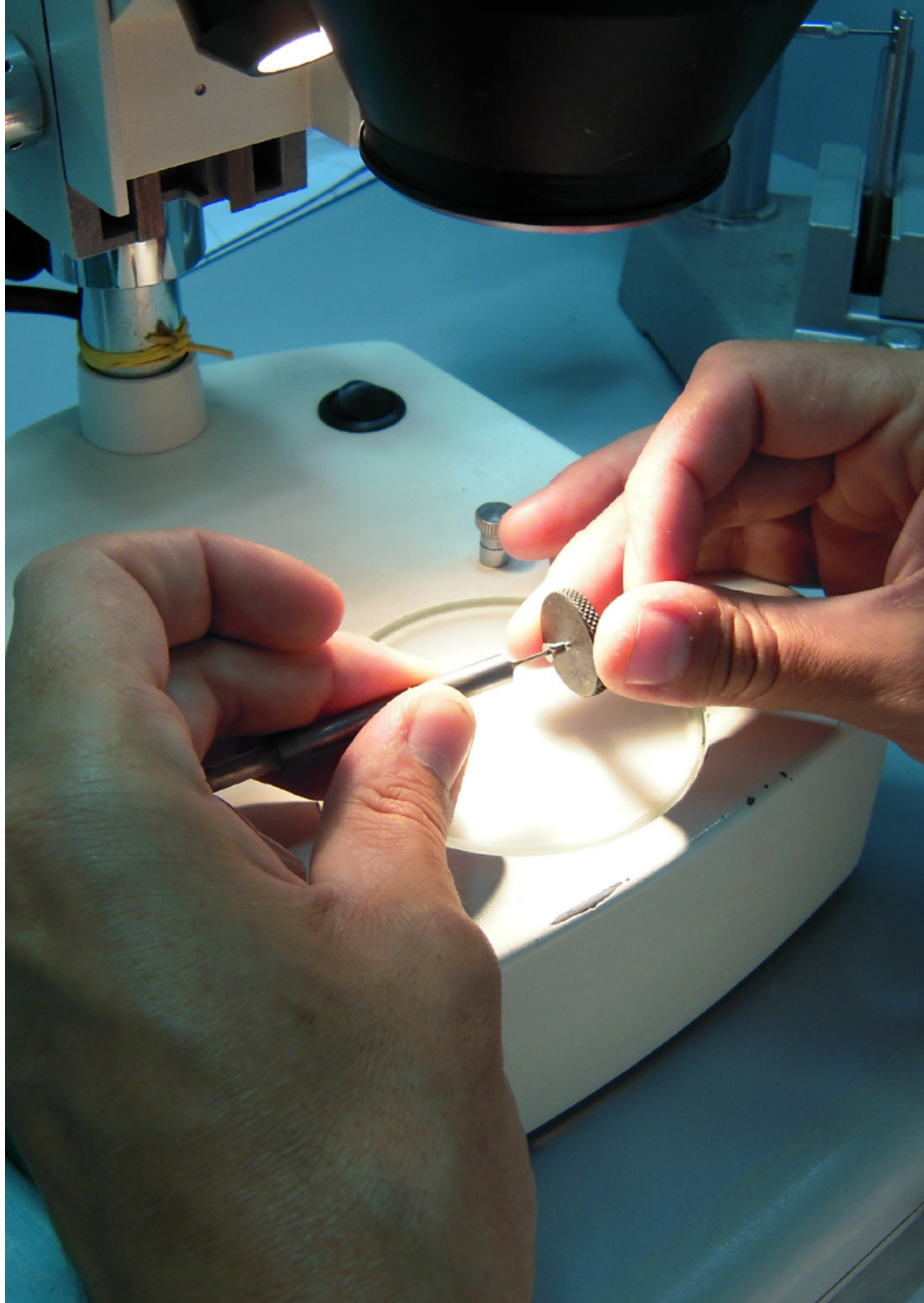
The cardboard box (3.5 x 6.2 x 3.5 cm) must be stored in a dry place at room temperature.

Quality checks

Control of quality or quality control? A play on words, useful in explaining that checking is not enough for IML.
Control in IML is synonymous with uncompromising elimination of all those components that present the slightest imperfection even if only aesthetic.
It means making a commitment to selling only very specific components in order to be “as precise as the Swiss”.
It means that we must fully take on the cost of this commitment both pursued and maintained ethically and proudly by IML and by taking the patient’s health and the surgeon’s skills into consideration.

Process:

1. Identification of each individual component’s critical points.
2. Drafting documents with a list of the critical points specific to each individual component indicating the sequence of checks to be carried out.
3. Over 30 checks are performed on 100% of the components manufactured in the various manufacturing phases:
   - Dimensional controls;
   - Removal of burrs and dross;
   - Functional tests to remove non-perfect components are performed on 100% of the components.
4. The operator signs off each check to certify that he or she accepts responsibility for the checks made.
5. Regular laboratory analyses check conformity of implant surfaces.



Contacts

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COME AND VISIT US
You are most welcome to come visit us on a guided tour of our Company.
Do not hesitate to contact us for a date.

Distance by car from airports:

- Lugano Agno (LUG) - Switzerland > 22 km - 25 min
- Milan Malpensa (MXP) - Italy > 57 km - 45 min
- Milan Linate (LIN) - Italy > 72 km - 60 min
- Milan Orio al Serio (BGY) Italy > 102 km - 90 min

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swiss dental implants