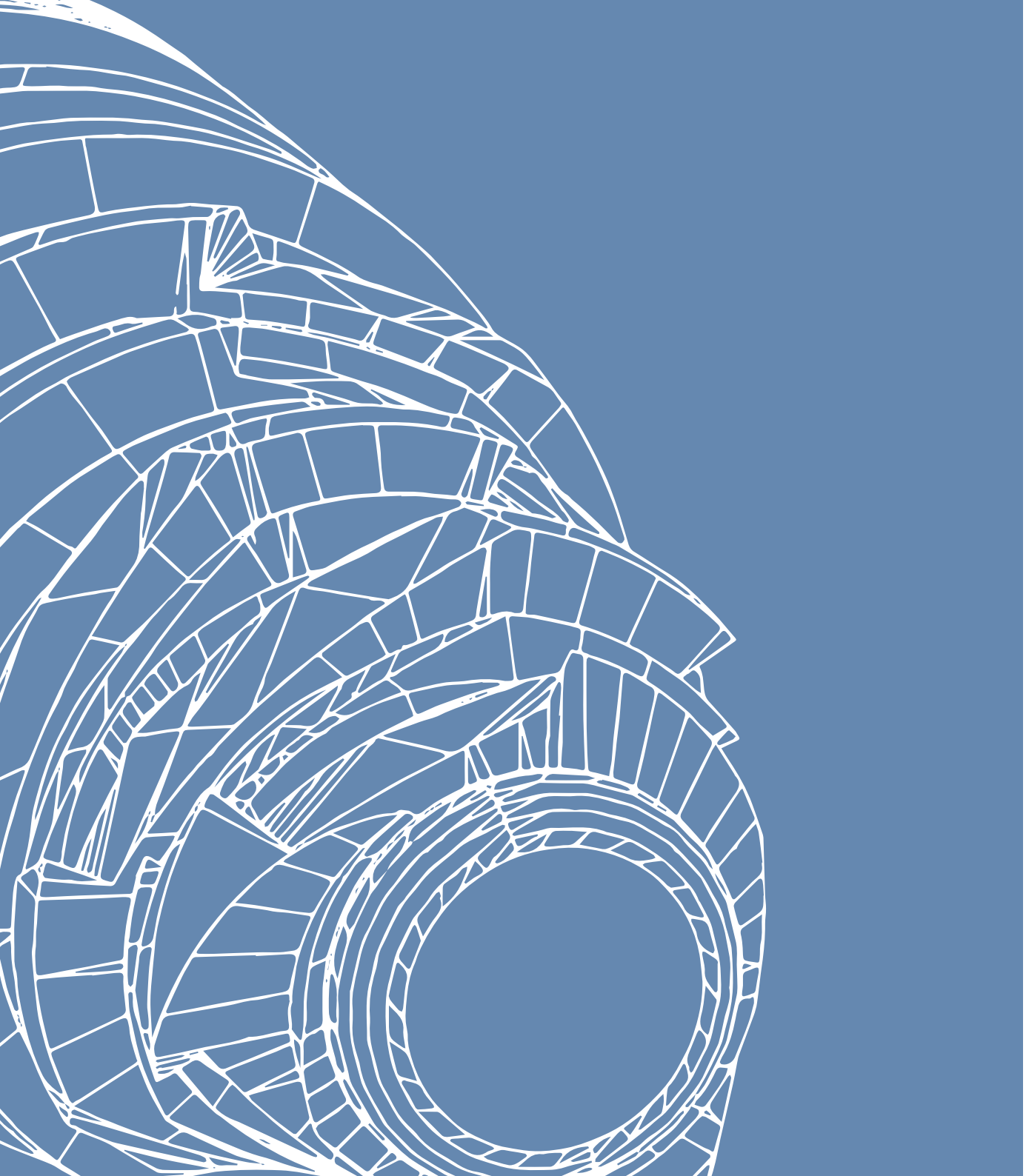

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swiss dental implants

HEX

RP

JUPITER

CATALOGUE

INDEX

Pag. 3 About us
Pag. 4 Certifications
Pag. 5 Men, materials and machines and mechanical excellence
Pag. 6 Starfly implant system
Pag. 8 Infinity implant system
Pag. 10 Itros-N implant system
Pag. 12 Jupiter implant system
Pag. 14 Surgical Kits
Pag. 15 Tools
Pag. 18 Preparation (Cylindrical drill surgical protocol)
Pag. 19 Surgical Protocol Starfly
Pag. 20 Surgical Protocol Infinity
Pag. 21 Surgical Protocol Itros-N
Pag. 22 Surgical Protocol Jupiter
Pag. 23 Impression taking workflow
Pag. 24 Lab components
Pag. 26 Restoration workflow
Pag. 27 Prosthetic parts
Pag. 30 M.U.A. positioning workflow
Pag. 31 M.U.A.
Pag. 32 M.U.A. Impression taking workflow
Pag. 33 M.U.A. Lab components
Pag. 34 M.U.A. Restoration workflow
Pag. 35 M.U.A. Prosthetic parts
Pag. 36 CAD-CAM digital dentistry
Pag. 37 CAD-CAM Impression taking workflow
Pag. 37 CAD-CAM Lab components
Pag. 38 CAD-CAM Restoration workflow
Pag. 39 CAD-CAM Prosthetic parts
Pag. 40 CAD-CAM M.U.A. Impression taking workflow
Pag. 40 CAD-CAM M.U.A. Lab components
Pag. 41 CAD-CAM M.U.A. Restoration workflow
Pag. 41 CAD-CAM M.U.A. Prosthetic parts
Pag. 42 Overdenture solutions workflow
Pag. 43 Overdenture solutions lab components and prosthetic parts
Pag. 45 Flexator tools
Pag. 46 Spare connecting screws

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swiss dental implants

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.

CERTIFICATIONS

Quality Maintenance is IML's guiding principle in a lifetime project embodied in the IML Production Protocol, a constantly evolving tool applied to the daily production of each component. IML SA products are marked Medical Devices:

- **FDA 510 (k) approved**
  IML SA's Quality Management for the design, manufacture, and marketing of dental implants, instrumentation, and related accessories complies with the Directives and regulations in force.

- **EC (Class I) and EC 0425 (Class IIb and Class IIa)**,
  IML SA products carry the CE mark and fulfil the requirements of the Medical Devices Directive Reg. 2017/745

- **[ICIM]**
  UNI-EN ISO 9001:2015
  UNI CEI EN ISO 13485:2021

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.

JUPITER SYSTEM

the easy implant

Simplified but versatile, featuring one connection and under-contoured prosthetics to deliver easily natural esthetics

One platform, RP: one prosthetic size

Reduced neck diameter
- Stress reduced on crestal bone
- subcrestal implant placement facilitated

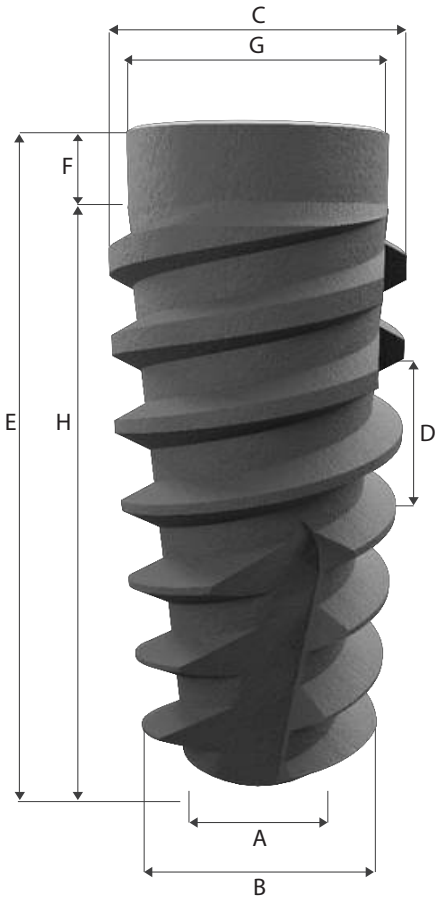
Slim and tapered implant core

SL surface treatment

Self-tapping apex: reduced osteotomy

Rounded tip:
- facilitates implant site centering;
- reduces lesions risk.

JUPITER implant



UNIT OF MEASUREMENT: mm

			A	B	C	D	E	F	G	H
CODE	IMPLANT MEASURE (Ø x H)	PLATFORM TYPE	CORE Ø AT TIP	THREAD Ø AT TIP	IMPLANT Ø	THREAD PITCH (DOUBLE-START)	SURFACE TREATMENT H	NECK H	NECK Ø	THREAD ZONE H
JUM35-6RP	3.5 x 6	RP	2.10	3.25	3.60	2.20	6.50	1.00	3.60	5.50
JUM35-8RP	3.5 x 8	RP	2.10	3.25	3.60	2.20	8.00	1.00	3.60	7.00
JUM35-10RP	3.5 x 10	RP	2.10	3.25	3.60	2.20	10.00	1.00	3.60	9.00
JUM35-11.5RP	3.5 x 11.5	RP	2.10	3.25	3.60	2.20	11.50	1.00	3.60	10.50
JUM35-13RP	3.5 x 13	RP	2.10	3.25	3.60	2.20	13.00	1.00	3.60	12.00
JUM35-15RP	3.5 x 15	RP	2.10	3.25	3.60	2.20	15.00	1.00	3.60	14.00
JUM38-6RP	3.8 x 6	RP	2.10	3.25	3.80	2.20	6.50	1.00	3.60	5.50
JUM38-8RP	3.8 x 8	RP	2.00	3.25	3.80	2.20	8.00	1.00	3.60	7.00
JUM38-10RP	3.8 x 10	RP	2.00	3.25	3.80	2.20	10.00	1.00	3.60	9.00
JUM38-11.5RP	3.8 x 11.5	RP	2.00	3.25	3.80	2.20	11.50	1.00	3.60	10.50
JUM38-13RP	3.8 x 13	RP	2.00	3.25	3.80	2.20	13.00	1.00	3.60	12.00
JUM38-15RP	3.8 x 15	RP	2.00	3.75	3.80	2.20	15.00	1.00	3.60	14.00
JUM43-6RP	4.3 x 6	RP	2.50	3.75	4.30	2.20	6.50	1.00	3.70	5.50
JUM43-8RP	4.3 x 8	RP	2.50	3.75	4.30	2.20	8.00	1.00	3.70	7.00
JUM43-10RP	4.3 x 10	RP	2.50	3.75	4.30	2.20	10.00	1.00	3.70	9.00
JUM43-11.5RP	4.3 x 11.5	RP	2.50	3.75	4.30	2.20	11.50	1.00	3.70	10.50
JUM43-13RP	4.3 x 13	RP	2.50	3.75	4.30	2.20	13.00	1.00	3.70	12.00
JUM43-15RP	4.3 x 15	RP	2.50	3.75	4.30	2.20	15.00	1.00	3.70	14.00
JUM50-6RP	5 x 6	RP	2.95	4.10	5.00	2.20	6.50	1.00	4.10	5.50
JUM50-8RP	5 x 8	RP	2.95	4.10	5.00	2.20	8.00	1.00	4.10	7.00
JUM50-10RP	5 x 10	RP	2.95	4.10	5.00	2.20	10.00	1.00	4.10	9.00
JUM50-11.5RP	5 x 11.5	RP	2.95	4.10	5.00	2.20	11.50	1.00	4.10	10.50
JUM50-13RP	5 x 13	RP	2.95	4.10	5.00	2.20	13.00	1.00	4.10	12.00
JUM50-15RP	5 x 15	RP	2.95	4.10	5.00	2.20	15.00	1.00	4.10	14.00

Jupiter is a versatile implant system developed to guarantee high primary stability, perfect for clinical cases requiring immediate loading.
The reduced-size neck allows flexible crown-apical positioning and reduces stress in the cortical area, promoting healing. The design of the Jupiter implant guarantees high performance in clinical cases requiring immediate loading. The macro-anatomy of the design guarantees high primary stability even in sites with qualitative and quantitative bone deficits; the pronounced design of the threads and a significant discrepancy between implant diameter and core are the two features that favour the immediate approach.
The pure medical titanium and the surface treatment used increase the speed of osseointegration, reducing the risk of early failure.

SURGICAL KITS

The Starfly, Infinity, Itros-N, Infinity, Itros-N surgical box (176 x 143 x 63.5 mm) is made entirely of plastic materials suitable for steam sterilisation.
The instrument positions are clearly labelled in order to facilitate identification during the surgical operation.
The silicon supports secure the instruments firmly during transportation and sterilisation.
Drill stops are supplied in two separate kits based on the drill diameter. Both drill stops and drills are immediately identifiable thanks to the color code: the drill stops are anodized, while on the drills there is a colored o-ring.

In particular:

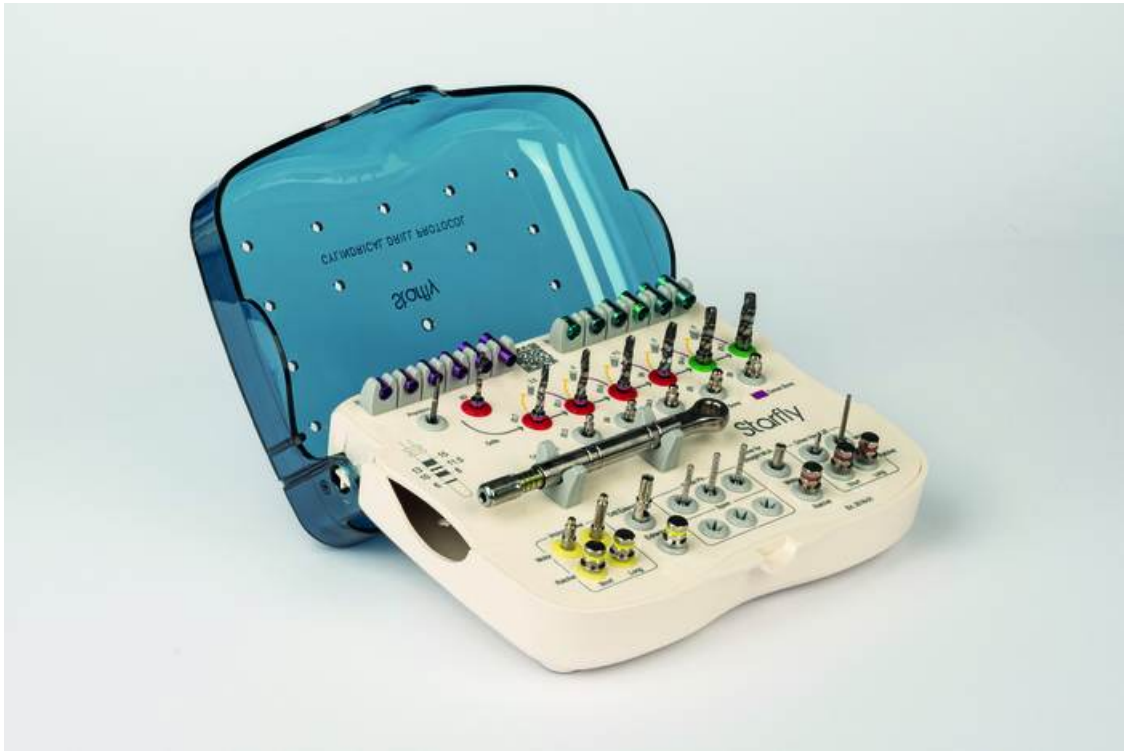
RED DRILL STOPS KIT: To be used with drills having red o-ring and Ø 2, 2.7, 3.1, 3.6, 4.

GREEN DRILL STOPS KIT: To be used with drills having green o-ring and Ø 4.4, 5.3.

Drills are marked with indicators referring to implant height and drill stops.
Warning: drill prepares the site 0.7 mm more than the height of the implant.
Therefore, when drilling close to vital anatomical structures, take into account this higher length of the drill compared to the length of the implant that will be positioned into the site being prepared.

All IML surgical instruments are manufactured in Surgical Steel of the highest quality, that offers the best performance in terms of resistance to wear 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.



Tools

Large box for surgical instruments Starfly

BOX-STL

Large box for surgical instruments

BOX-STIN

Precision drill

Drill Ø		
	0.5	SFYS18

Cylindrical pilot drill

Drill Ø		
	2	SFYS19

Drill extension

PR-FR

Cylindrical drill

Drill Ø		
	2.7	SFYS21
	3.1	SFYS22
	3.6	SFYS23
	4	SFYS24
	4.4	SFYS25
	5.3	SFYS26

Countersink

Implant Ø		
	3.5	SFYS028
	3.8	SFYS086
	4	SFYS029
	4.5	SFYS030
	5	SFYS031
	6	SFYS032

Red drill stops kit for drills Ø2-2.7-3.1-3.6-4

SFYS042

Green drill stops kit for drills Ø4.4-5.3

SFYS043

Guide pin

UN-PIN

Implant driver for motor

Platform	H 12	H 17
RP	SFYS003RP	SFYS004RP

Multitool implant driver

Platform	H 12	H 17
RP	SFYS001RP	SFYS002RP

Dynamometric ratchet

DN-I

Torque range: 15-45 Ncm

Fixed ratchet

CR-U

Multitool manual driver

CM-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

Multitool remover for friction abutment

SFYS017

Multitool driver for straight MUA

AMM-U

Motor driver for straight MUA

SFYS016

Multitool driver for dynamic screw

H

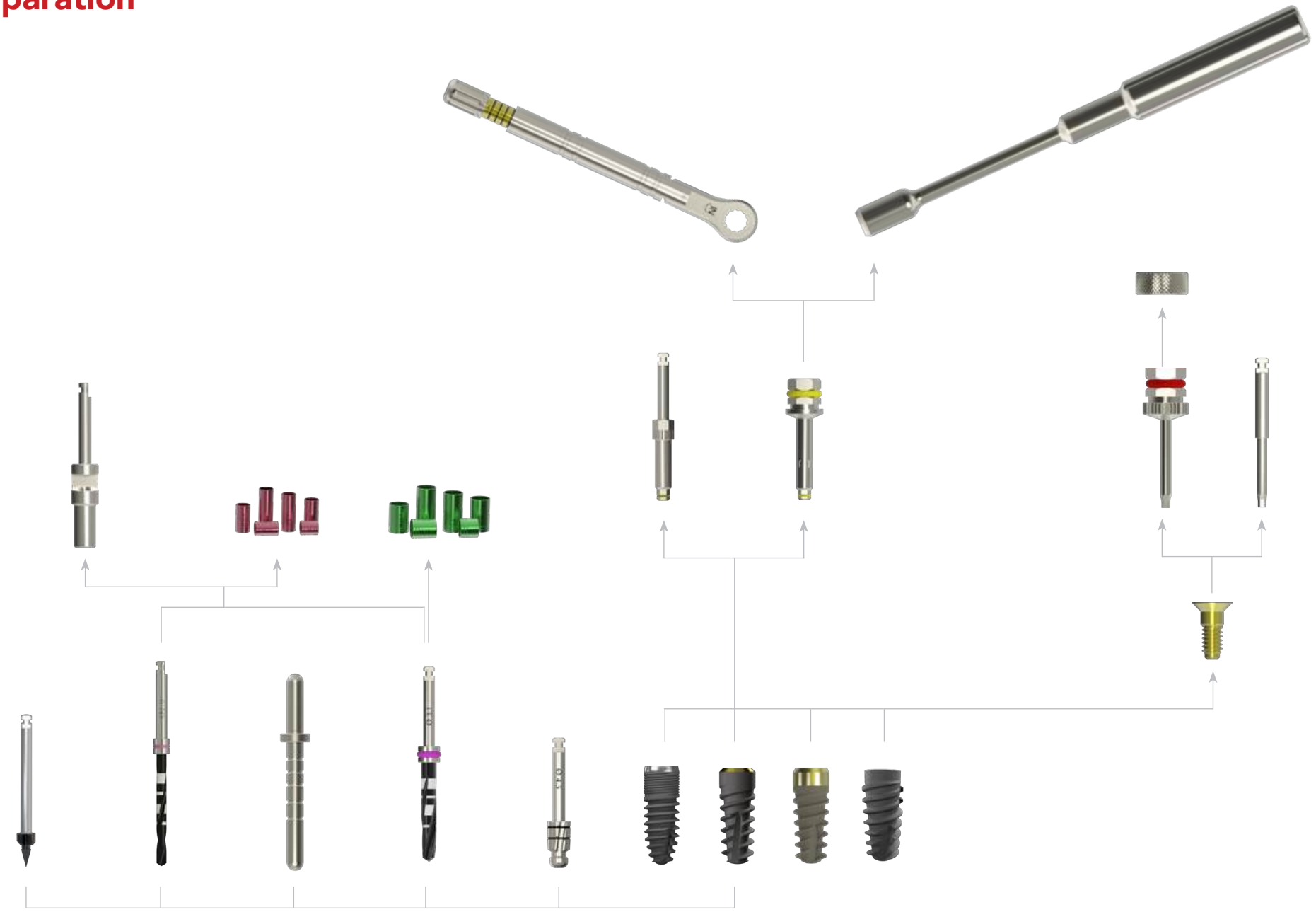
10	15
SFYS081	SFYS082

Motor driver for dynamic screw

H

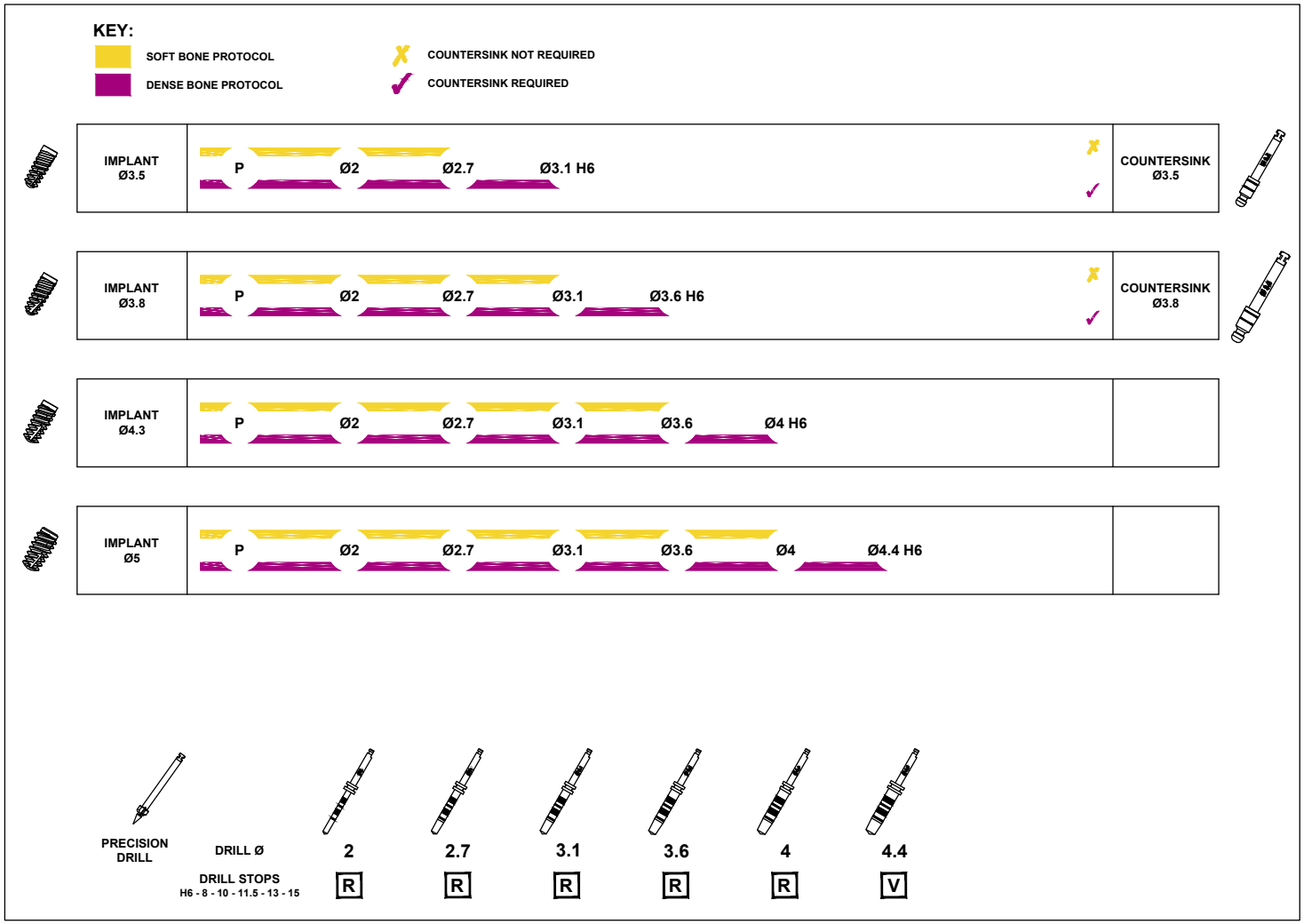
6	12	17
SFYS083	SFYS084	SFYS085

Preparation



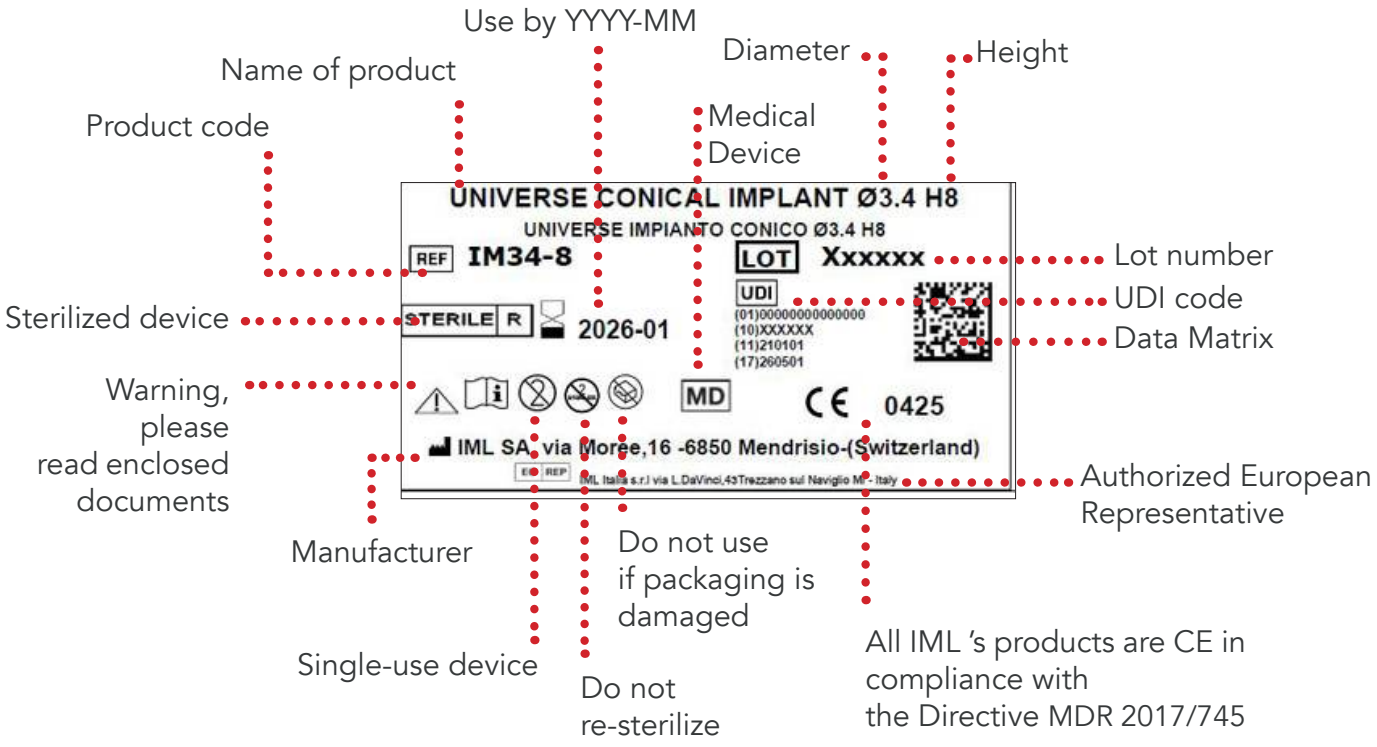
Surgical Protocol

Jupiter



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.

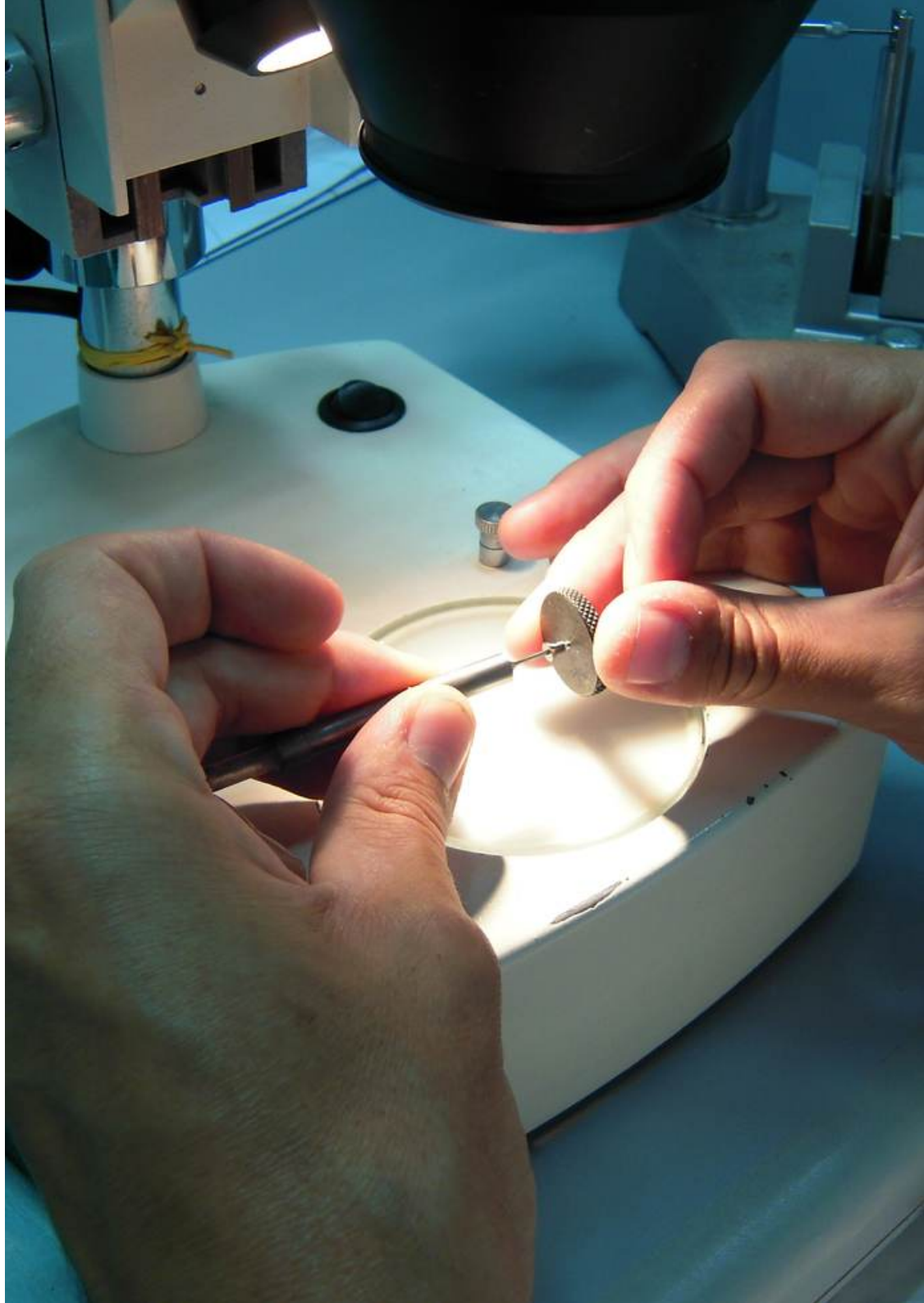
The cardboard box (3.5 x 6.2 x 3.5 cm) must be stored in a dry place at room temperature.

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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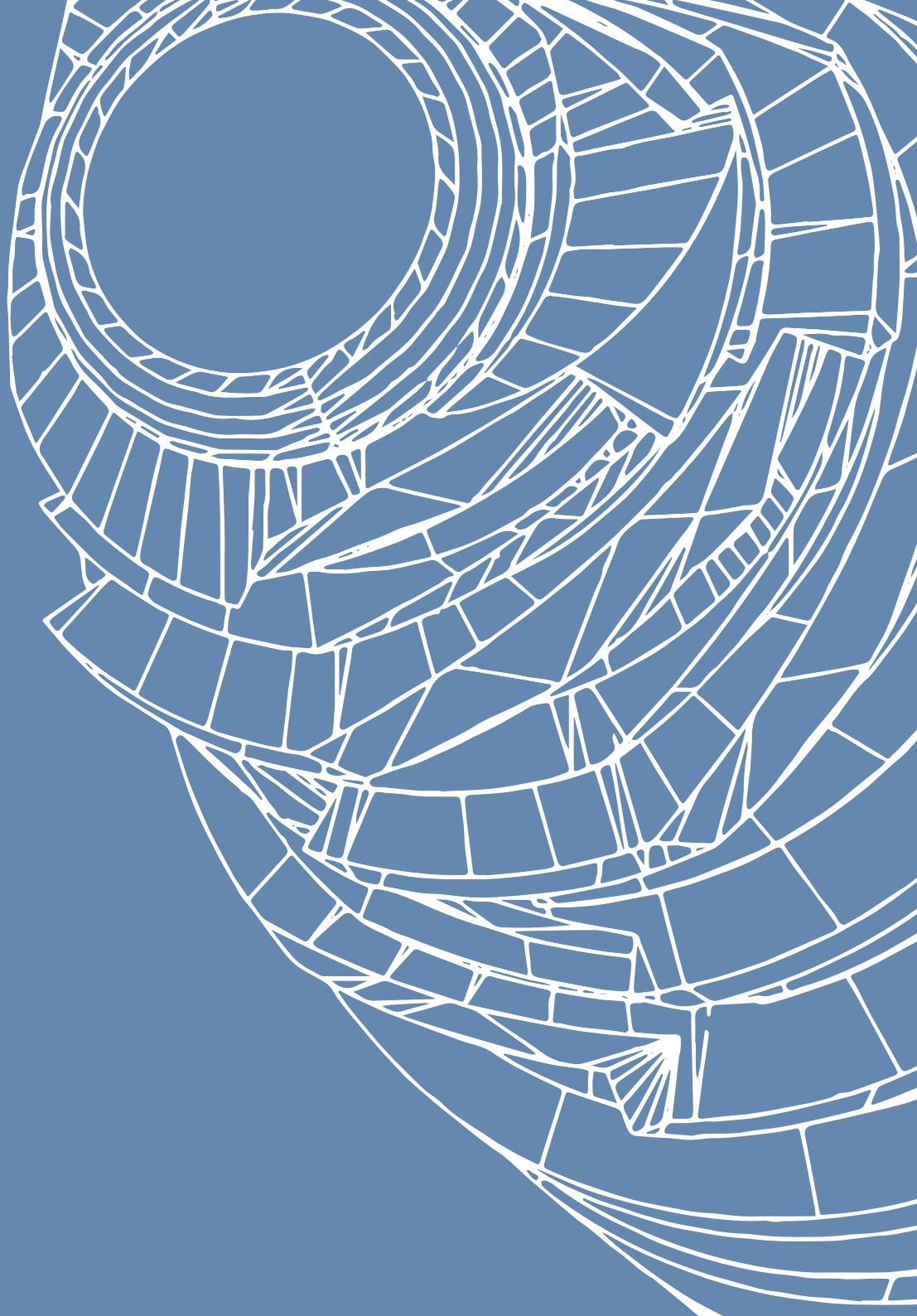
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