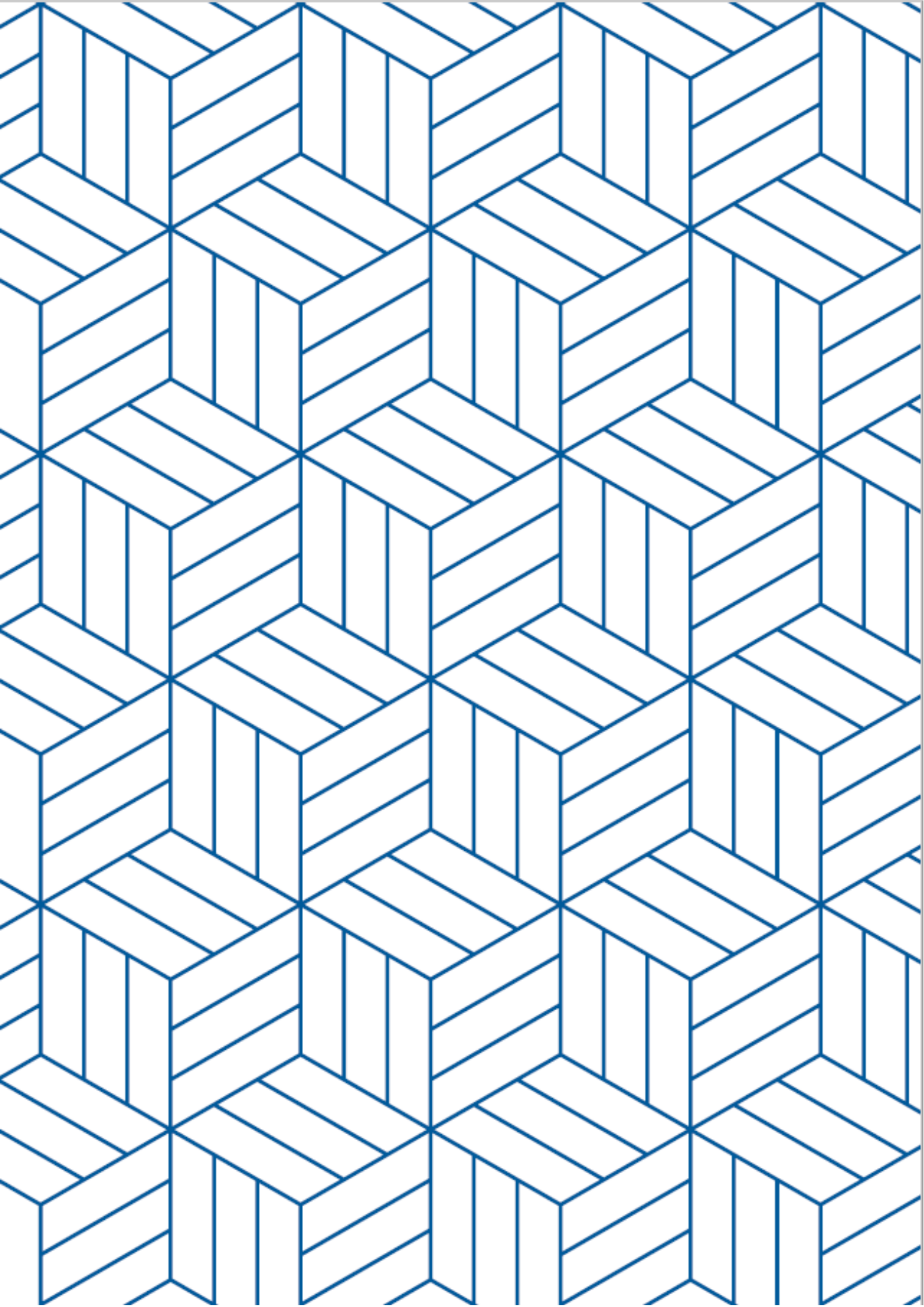




Our satisfaction is yours



BMS DENTAL

Our company

The long experience of our Group in the Dental field permits us to reinforce daily our image in the Italian and International markets.

The BMS Dental staff is a team of professionals operating with the aim to offer a very reliable and up to date product. We have a very highly specialized production plant offering a total guarantee to the client, operating with respect to the actual international criteria in the matter. An internal organism, with a chemical laboratory equipped with the most sophisticated technology and tools, performs daily controls on the quality of the product. The commercial office is a guarantee to our customers, having personnel with long experience in export, offering a perfect customer service. Periodically, we effect c/b our premises professional courses to upgrade the technical knowledge essential for a correct and appropriate use of our products. Both our chemical formulations of production materials and the technologies of our equipment are the results of 25 years of experience in dental field. Our task is to keep our standards of products regularly updated, offering our customers the highest quality.



STERILIZATION

AUTOCLAVES

Our method of sterilization

Thanks to the BMS autoclaves it is possible to complete the sterilization protocol in a safe, effective, efficient and repeatable way over time, increasing the safety of the practice, optimizing resources thanks to a series of specific programs that improve sterilization performances and water and energy consumption.



Code	Volume of the chamber
5.013B	18 Lts
5.013B-23	23 Lts



CONDUCTIVITY METER FOR WATER CONTROL

The implementation of the conductivity meter protects the steam generator checking the quality of the water and preventing damage due to repeated use of bad quality water (this positively affect life-cycle of the entire device, that will last longer).

STERIL MAXIMUM

Classification: B-Type autoclave designed and manufactured according to EN13060. Stainless-steel chamber.

1. 19 different languages
2. Fast steam system:
 - Initial pre-heating can be switch-off. The reduction of the total cycle time also leads to energy savings and an extension of the device's life-cycle.
3. The management of door opening and closing, is vacuum-assisted with an electrical door lock; it guarantees the safety of the technician/medic;
4. Software with a user interface, modern, simple and intuitive; provided also with an MTS (memory test system) a technical backup developed to assist the user with more reliable and faster diagnosis.
5. 10 different sterilization cycles: 6 type-B cycles and 4 type-S cycles; according to the type of instruments, materials and condition (wrapped or unwrapped) the choices among 10 different cycles, each one for a specific load, grants a better sterilization result and savings in terms of energy and water. Each cycle can be treated as "night-cycle", the autoclave works in stand-by mode to save even more energy.
6. 4 options for water supplying of clean water and dirty water tanks:
 - Automatic filling of clean water, through an (optional) external water purification system. Automatic and Manual draining of dirty water.
 - Manual filling of clean water. Automatic and Manual draining of dirty water.

BMS autoclave is very versatile. Adaptable to environments where a water purification system is not available.
7. Printer: at any cycle, the autoclave starts a printing strip that reports all the values of the selected cycle type, model, and serial number of the machine, keeping the records of all the sterilization data ensure a reduction of related risks, both for the patient and for the dental/medical clinic.
8. Optional USB Port (for digital data record-keeping).

TECHNICAL CHARACTERISTICS

MECHANICAL DATA	18 litres	23 litres
General dimensions (-)	505 x 400 x 615 mm	505 x 400 x 690 mm
Max. weight with empty tanks	52 kg	58 kg
Overall dimensions of the open door	350 mm	
Volume	Max 0.15 m ³	
Material	Stainless steel AISI 304 and/or 316 / S235JR	

ELECTRICAL DATA

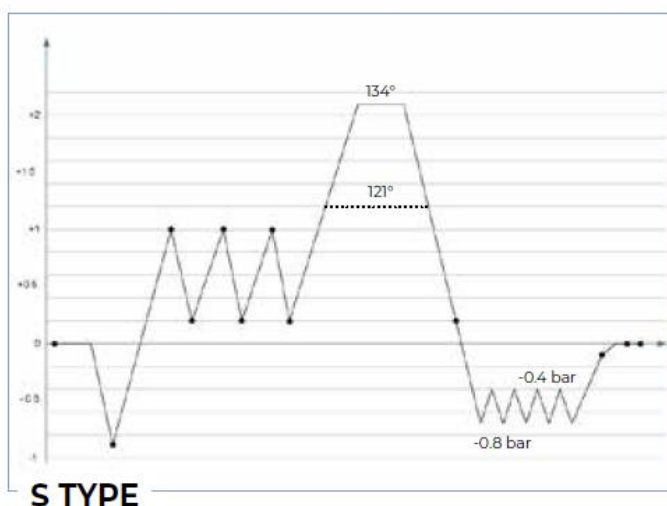
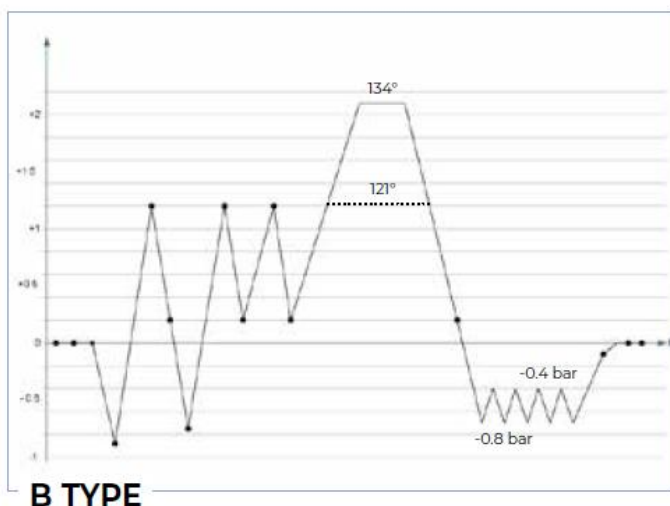
Supply voltage	230 Vac (+/-10%)
Power	2400 W
Frequency	50-60 Hz

CHAMBER DATA









Maximum operating pressure	relative 2.5 bar	
Maximum operating vacuum	relative -0.90 bar	
Maximum operating temperature	140°C	
Material	AISI 304 or 316 Stainless Steel	
Dimensions: Diam.xD	236 x 381.5 mm	236 x 530 mm

STERILIZATION CYCLES

STERIL MAXIMUM 18L AND 23L



STERIL MAXIMUM 18L







Temp. and name of cycles		Sterillizable loads ¹	Technical specs of the cycles ²				
							
				STR	DRY	TOT	KG
134° B	Helix - B&D Test	Steam Penetration Test	-	03:30	04:00	~25m	0
-	Vacuum Test	Leak Detection Test	-	-	-	~15m	0
121° B	Hollow Wrapped	Solid load, small porous objects, simple hollow load and narrow lumen, multiple casing	✓	18:00	15:00	~50m	2.5
134° B	Hollow Wrapped		✓	05:00	15:00	~39m	2.5
121° S	Solids Wrapped	Solid load, small porous objects, simple hollow load	✓	18:00	10:00	~47m	2.5
134° S	Solids Wrapped		✓	05:00	10:00	~35m	2.5
134° B	Prion	Load related to the CreutzfeldtJakob disease	✓	20:00	15:00	~54m	2.5
121° B	Porous	Full porous load	✓	18:00	20:00	~60m	1.0
134° B	Porous		✓	05:00	20:00	~50m	1.0
121° S	Rapid	Solid load, small porous objects, simple hollow load	-	18:00	04:00	~41m	4.0
134° S	Rapid		-	05:00	04:00	~30m	4.0
134° B	Hollow Open	Solid load, simple hollow load and narrow lumen	-	05:00	04:00	~36m	4.0

- cycle suitable for sterilizing UNWRAPPED MATERIAL only

✓ cycle designed to sterilize wrapped material



STERIL MAXIMUM 23L

Temp. and name of cycles		Sterillizable loads ¹	Technical specs of the cycles ²				
							
				STR	DRY	TOT	
134° B	Helix - B&D Test	Steam Penetration Test	-	03:30	04:00	~35m	0
-	Vacuum Test	Leak Detection Test	-	-	-	~15m	0
121° B	Hollow Wrapped	Solid load, small porous objects, simple hollow load and narrow lumen, multiple casing	✓	18:00	15:00	~60m	3.5
134° B	Hollow Wrapped		✓	05:00	15:00	~49m	3.5
121° S	Solids Wrapped	Solid load, small porous objects, simple hollow load	✓	18:00	15:00	~57m	3.5
134° S	Solids Wrapped		✓	05:00	15:00	~45m	3.5
134° B	Prion	Load related to the CreutzfeldtJakob disease	✓	20:00	15:00	~64m	3.5
121° B	Porous	Full porous load	✓	18:00	20:00	~70m	1.5
134° B	Porous		✓	05:00	20:00	~60m	1.5
121° S	Rapid	Solid load, small porous objects, simple hollow load	-	18:00	09:00	~51m	4.5
134° S	Rapid		-	05:00	09:00	~40m	4.5
134° B	Hollow Open	Solid load, simple hollow load and narrow lumen	-	05:00	09:00	~46m	4.5

- cycle suitable for sterilizing UNWRAPPED MATERIAL only

✓ cycle designed to sterilize wrapped material





STERILIZATION

STERILIZATION CONTROL TESTS

and Accessories

The tests are intended to certify both the functioning of the autoclave and the successful result of sterilization.

The checks must be carried out systematically according to the internal protocol of the clinic. It is recommended to carry out the control tests with the following frequency:

- Every day, before starting to use the autoclave: Helix test (Hollow Load Test).
- Every day, before starting to use the autoclave: Bowie & Dick test (Porous Load simulation Test), must be performed only in case the sterilization of porous bodies is foreseen.
- Each sterilization cycle: verification test of the cycle parameters with sterilization indicators (Class 4 / Class 6).



BOWIE & DICK TEST

Test for B Class Autoclaves to control the steam penetration and air removal in porous loads. Only one tray necessary in the autoclave while executing this kind of test. Colour of the spiral must turn completely from yellow to black for a successful test result.

Code	Packaging
5.013-BDT	Single Pack



HELIX TEST

Test for B Class and S Class Autoclaves to control the steam penetration and air removal in hollow loads. Colour turns from yellow to black for the entire helix for a successful test result.

Code	Packaging
5.013-HT50	50 Strips
5.013-HT100	100 Strips
5.013-HT250	250 Strips

STERILIZATION INDICATORS

Chemical indicators for the validation of sterilization cycle in compliance with the fundamental parameters (time - temperature - saturated steam concentration).

Type 4

Type 6



Code	Packaging
5.013-CIT	Box of 250 pcs

Code	Packaging
5.013-CIT6	Box of 250 pcs

STERILIZATION ROLLS

Flat Sterilization rolls Made by one side medical kraft paper with high strenght, one side coloured plastic film. With changing chemical colour indicators for steam or EO GAS sterilizations.



Code	Packaging	Sizes
9.002-50	8 Rolls / Carton	Roll of 50 mm x 200 m
9.002-75	8 Rolls / Carton	Roll of 75 mm x 200 m
9.002-100	4 Rolls / Carton	Roll of 100 mm x 200 m
9.002-150	4 Rolls / Carton	Roll of 150 mm x 200 m
9.002-200	2 Rolls / Carton	Roll of 200 mm x 200 m
9.002-250	2 Rolls / Carton	Roll of 250 mm x 200 m
9.002-300	2 Rolls / Carton	Roll of 300 mm x 200 m
9.002-350	1 Roll / Carton	Roll of 350 mm x 200 m
9.002-400	1 Roll / Carton	Roll of 400 mm x 200 m

BMS SEAL - ELECTRONIC THERMOSEALING MACHINE

Thanks to its small dimensions, the device can be easily fitted inside the sterilization room cabinets. A metal locking bar holds the roll still, making the device easier to be used and improving its performance. It can be used with different size rolls.



DIMENSIONS
445 x 198 x 385 mm
(l x h x p)



VOLTAGE
230v - 50-60 Hz



ABSORBED POWER
100 W



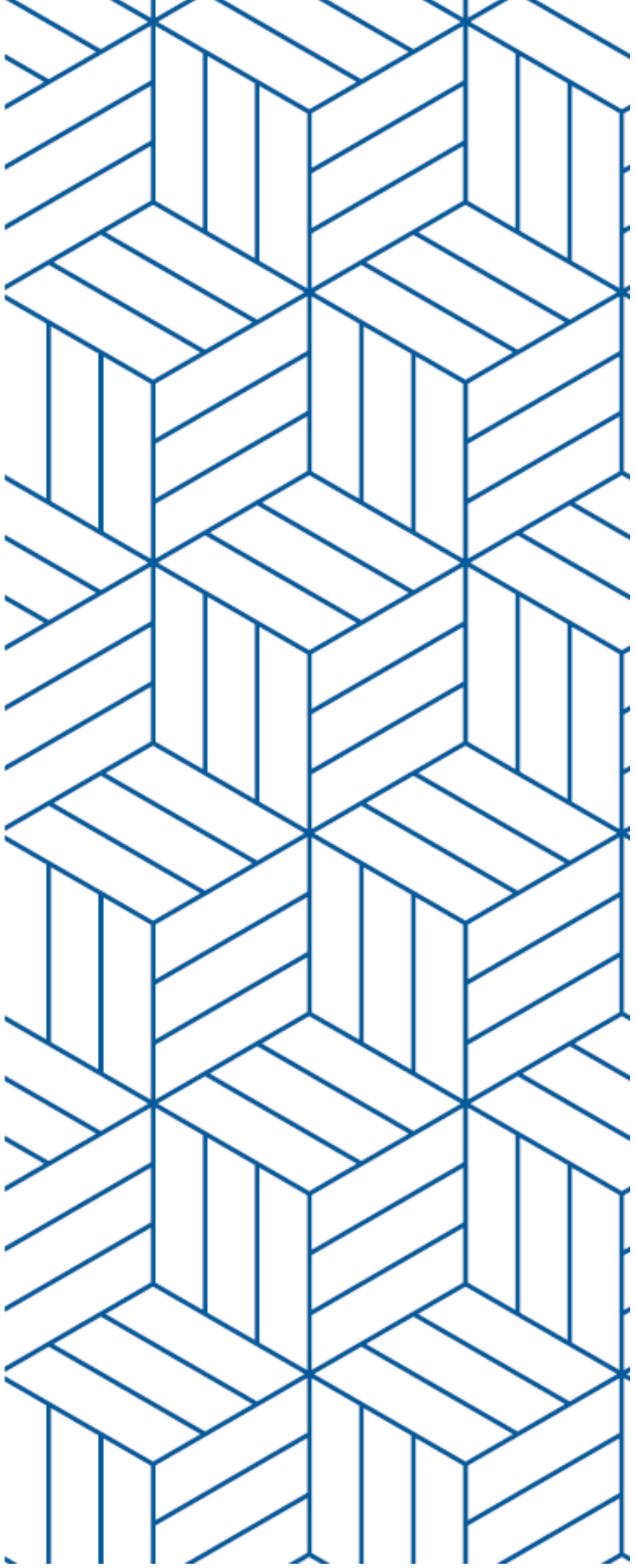
WEIGHT
7,4 kg



WELDING AT CONSTANT TEMPERATURE
12 mm

Code

5.025



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