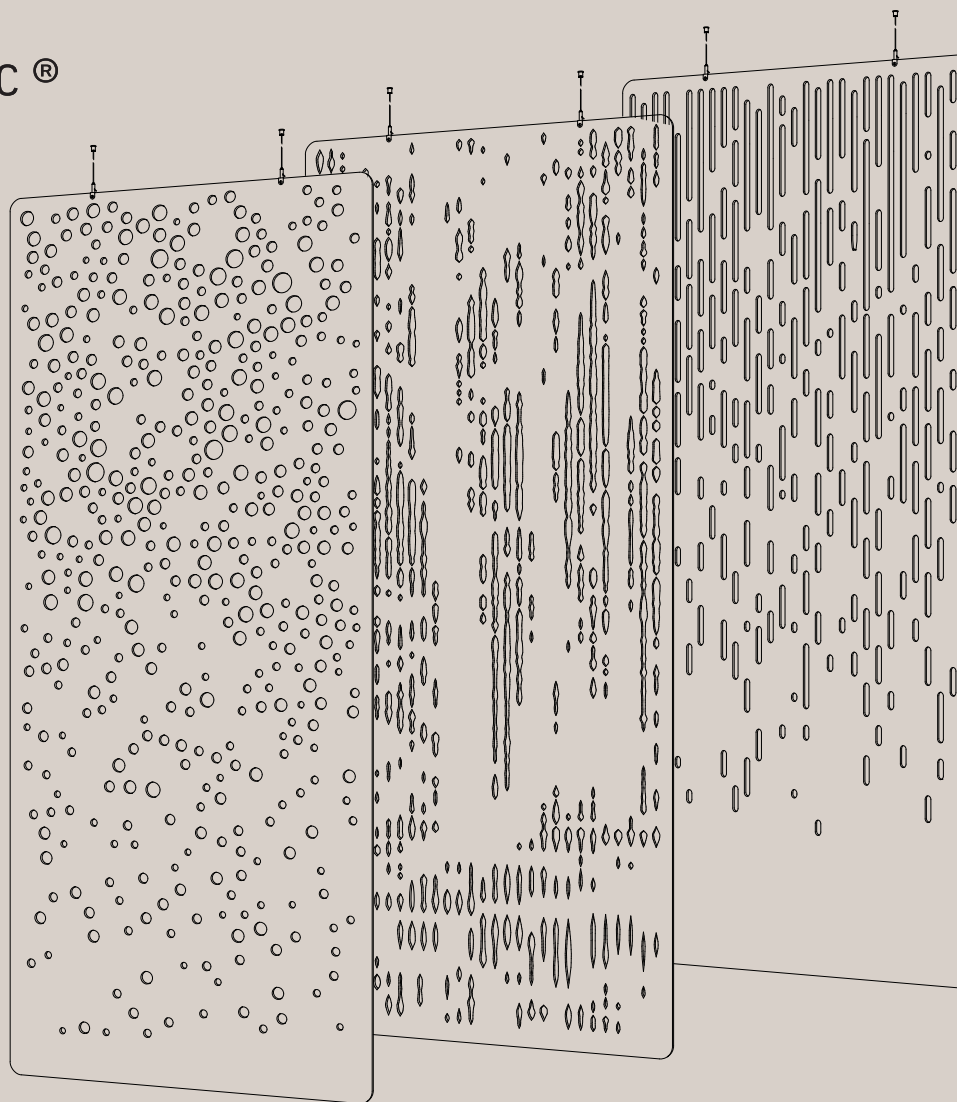


IMPACT ACOUSTIC®



Hanging Division

Ready-made

741.12.13-38.000.00
741.24.13-38.000.00

741.12.90-91.000.00
741.24.90-91.000.00

TECHNICAL DATA SHEET

Hanging Division

General Information



Data

Applicable article numbers

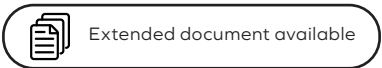
741.12.13-38.000.00	741.12.90-91.000.00
741.24.13-38.000.00	741.24.90-91.000.00

Dimensions¹

Height	2800 mm	110"	2400 mm	95"	2400 mm	95"
Width	1200 mm	47"	1800 mm	71"	900 mm	35"
Thickness	12 mm	0.5"	24 mm	0.9"	24 mm	0.9"

Material

Panel	100% PET (60% post-consumer) in 45 colours
Suspension Kit	Stainless steel



Weight²

PET Panel 24mm (0.95")	4 kg/m ²	0.82 lbs/sq.ft
PET Panel 12mm (0.47")	2.4 kg/m ²	0.49 lbs/sq.ft

Included

Panel



Suspension Kit



Installation
guide



Warranty
10 years³



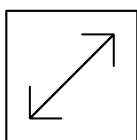
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

Hanging Division

Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

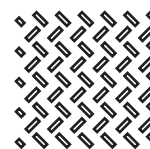
1 Specify your product:



Size



Colour



Pattern

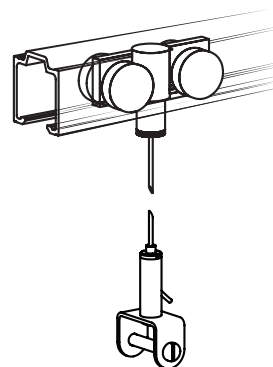
2 Verify installation method:



Suspension Kit
12mm



Suspension Kit
24mm



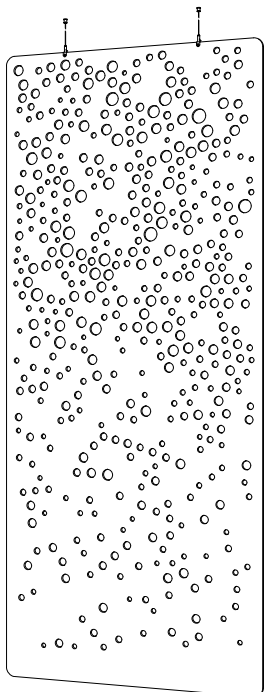
Curtain Slider
12mm and 24mm

Hanging Division

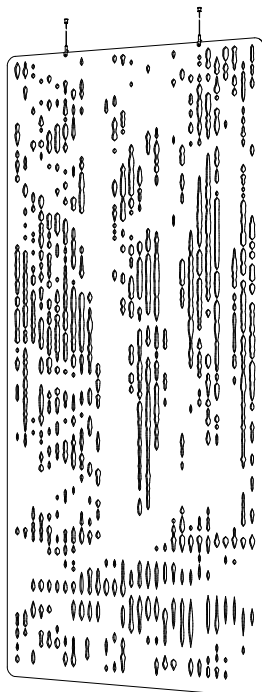
Available Perforations

Please note that all patterns are available in three sizes. This size is used as an example.

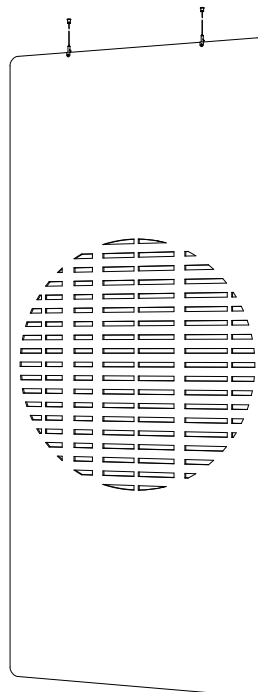
741.12.13.000.00



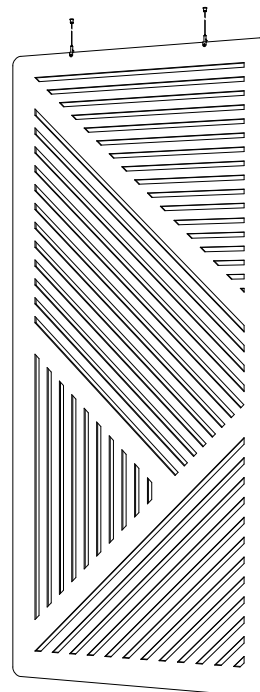
741.12.15.000.00



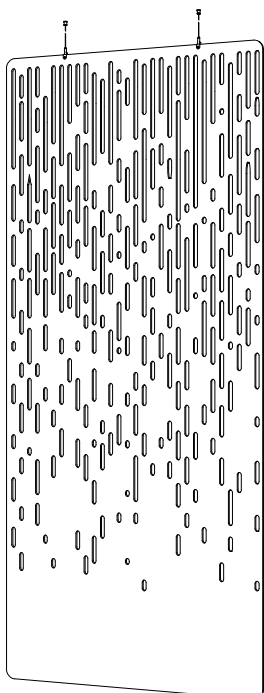
741.12.17.000.00



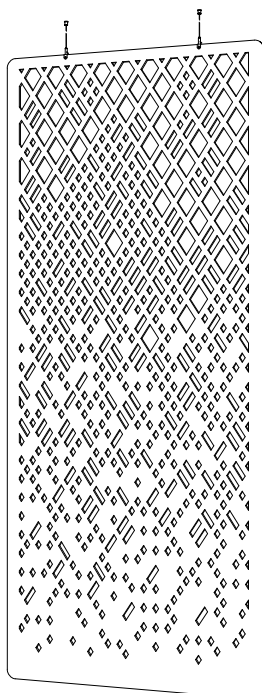
741.12.19.000.00



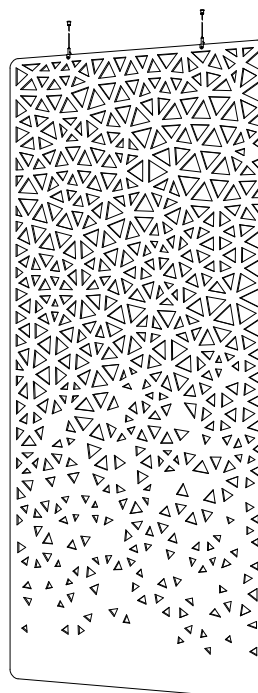
741.12.21.000.00



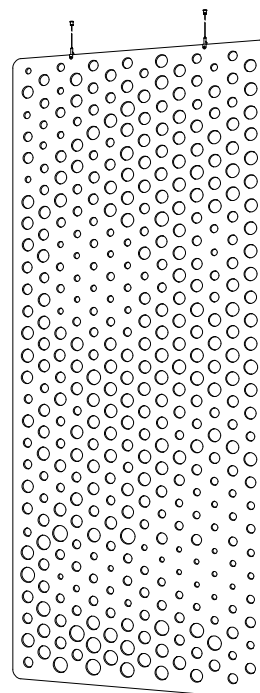
741.12.23.000.00



741.12.25.000.00



741.12.27.000.00

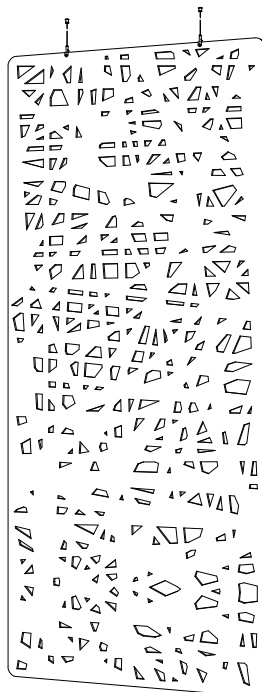


Hanging Division

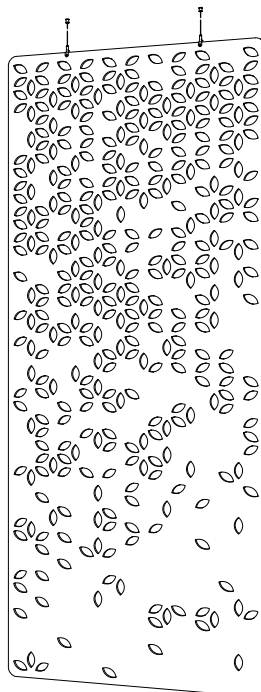
Available Perforations

Please note that all patterns are available in three sizes. This size is used as an example.

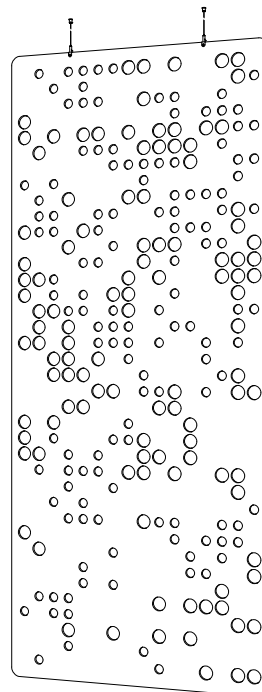
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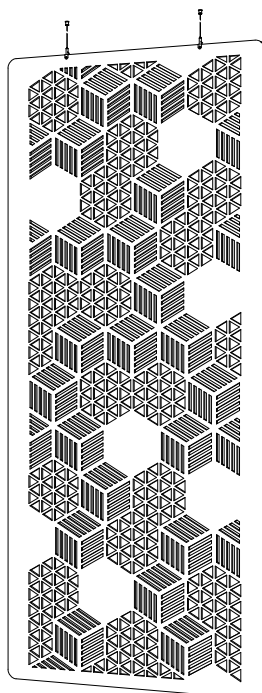
741.12.31.000.00



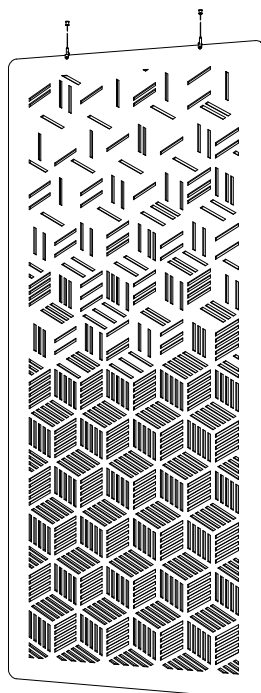
741.12.33.000.00



741.12.35.000.00



741.12.36.000.00

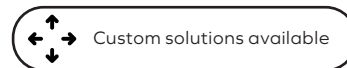
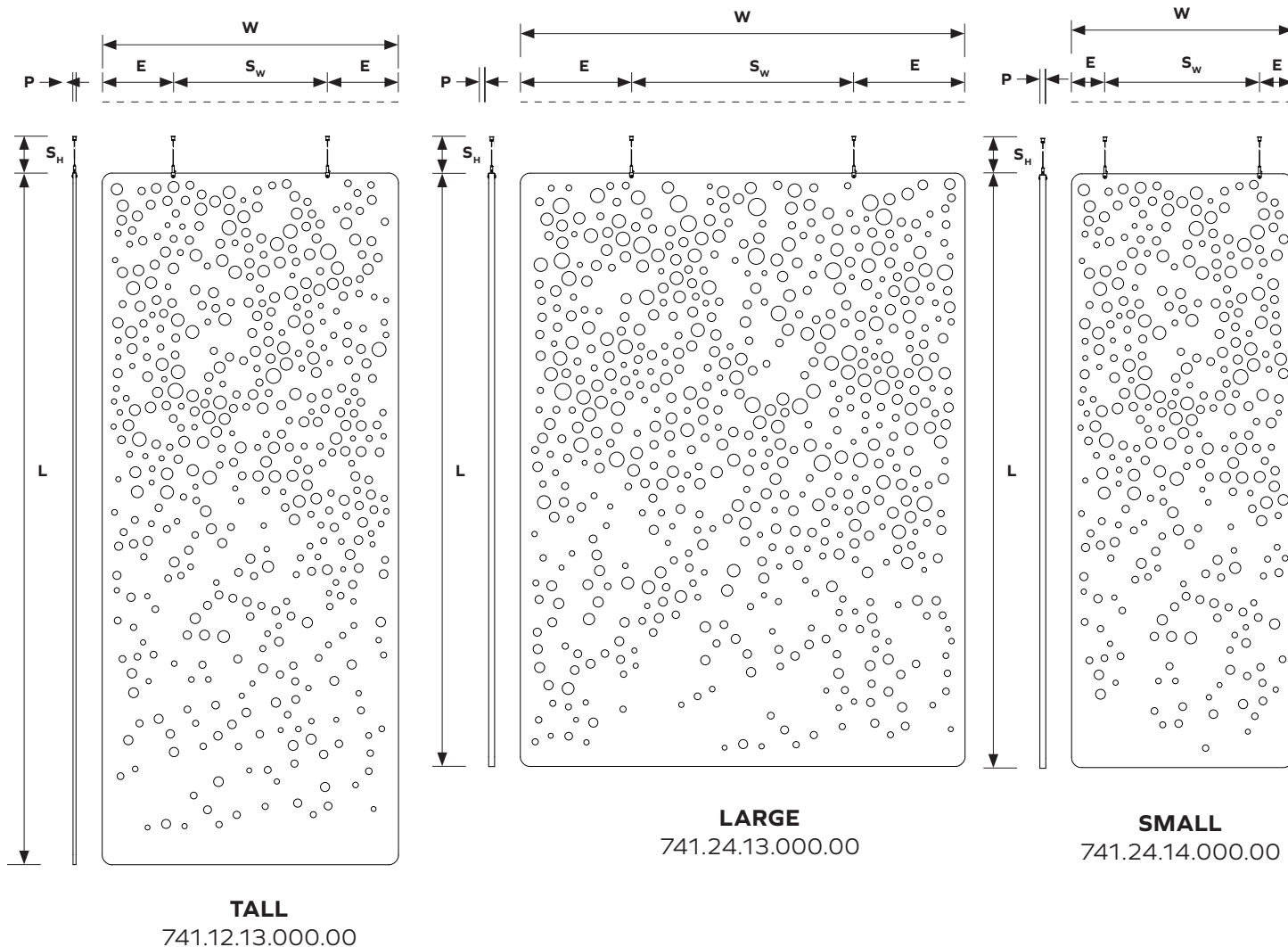


741.12.90.000.00



Bubbles Hanging Division

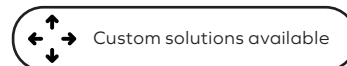
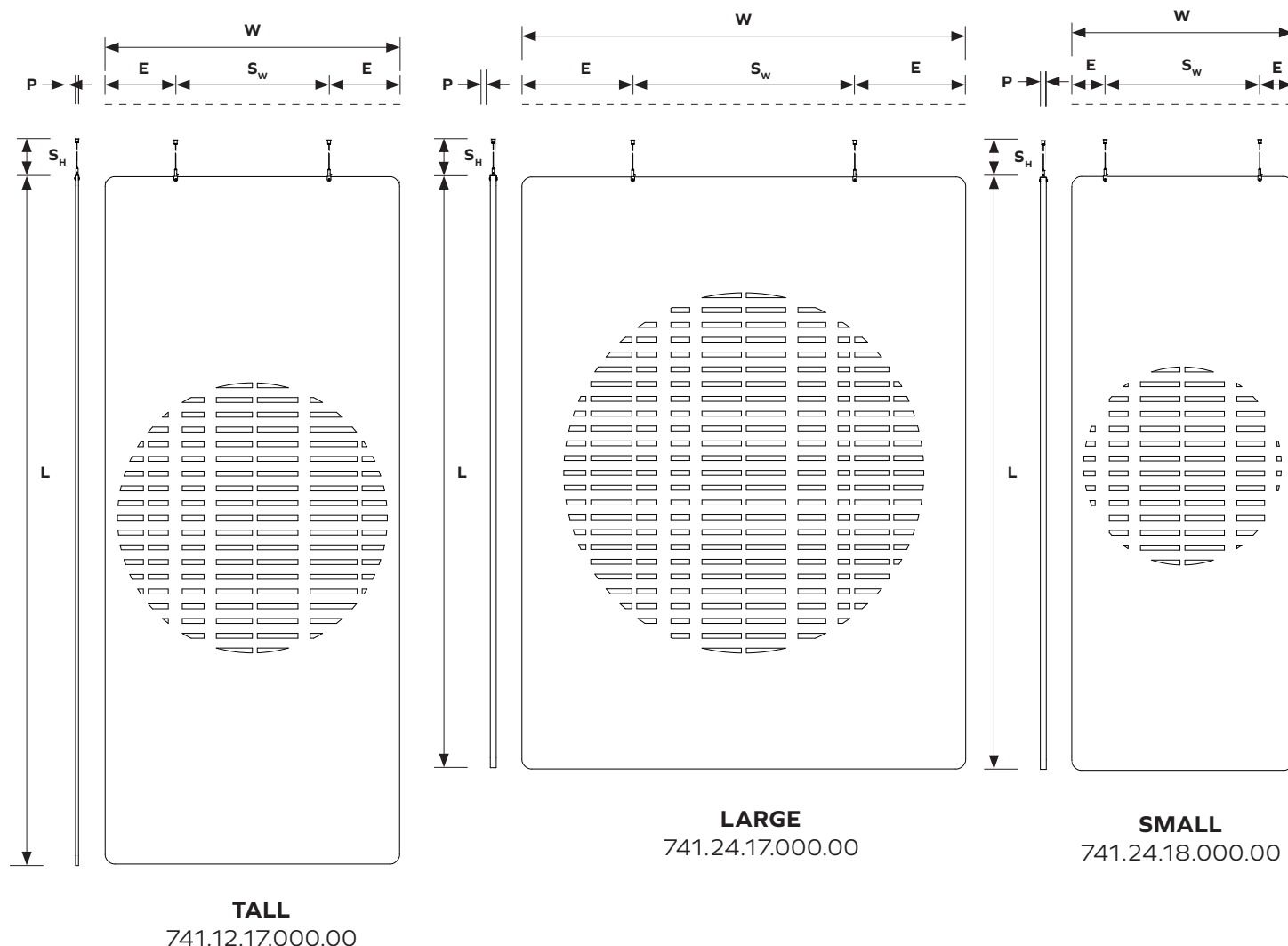
Geometry Information



Dimensions		TALL 741.12.13.000.00	LARGE 741.24.13.000.00	SMALL 741.24.14.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Illum Hanging Division

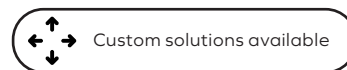
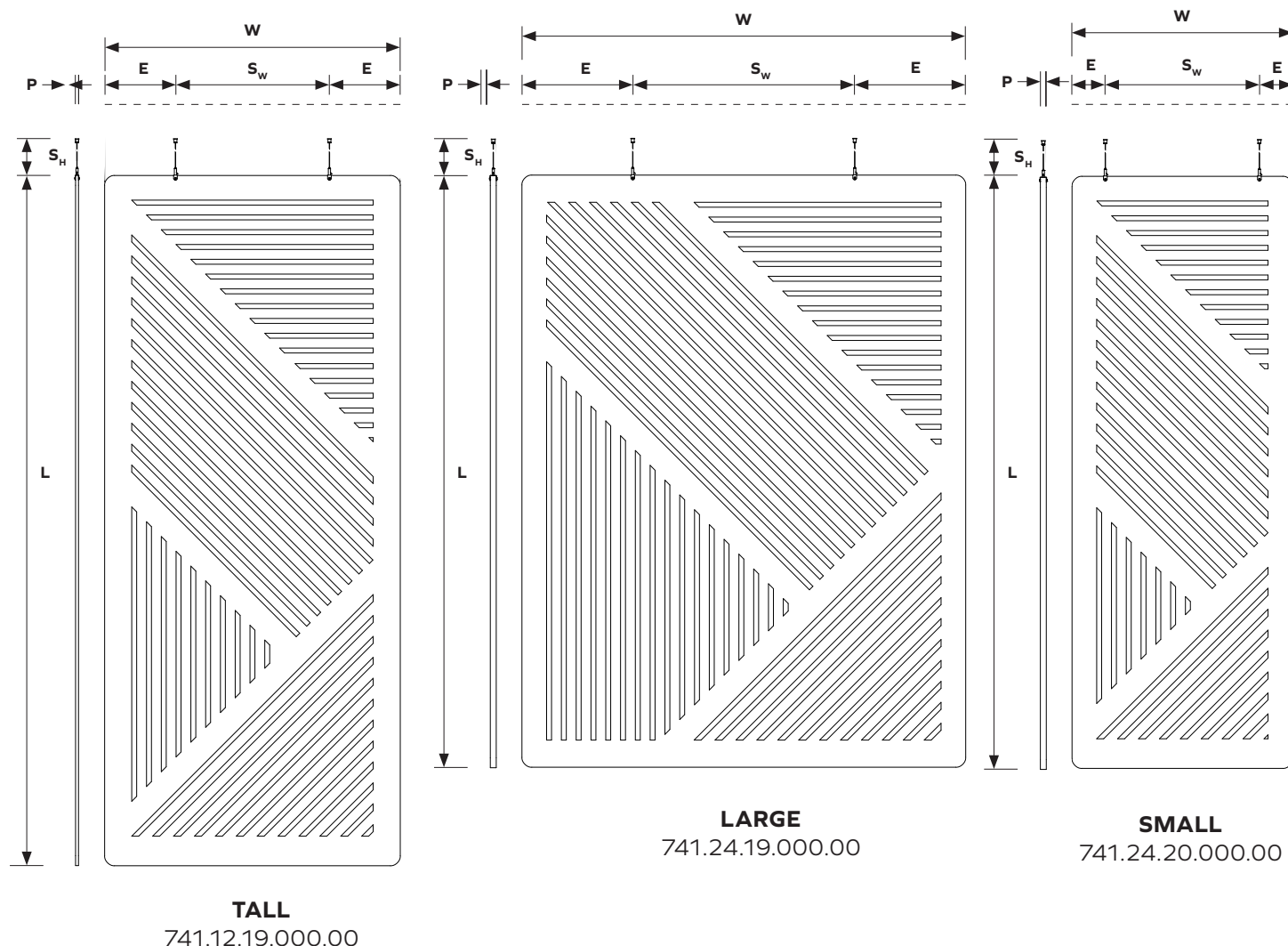
Geometry Information



Dimensions		TALL 741.12.17.000.00	LARGE 741.24.17.000.00	SMALL 741.24.18.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
Sw	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
Sh	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Linea Hanging Division

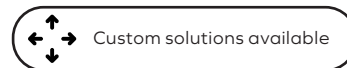
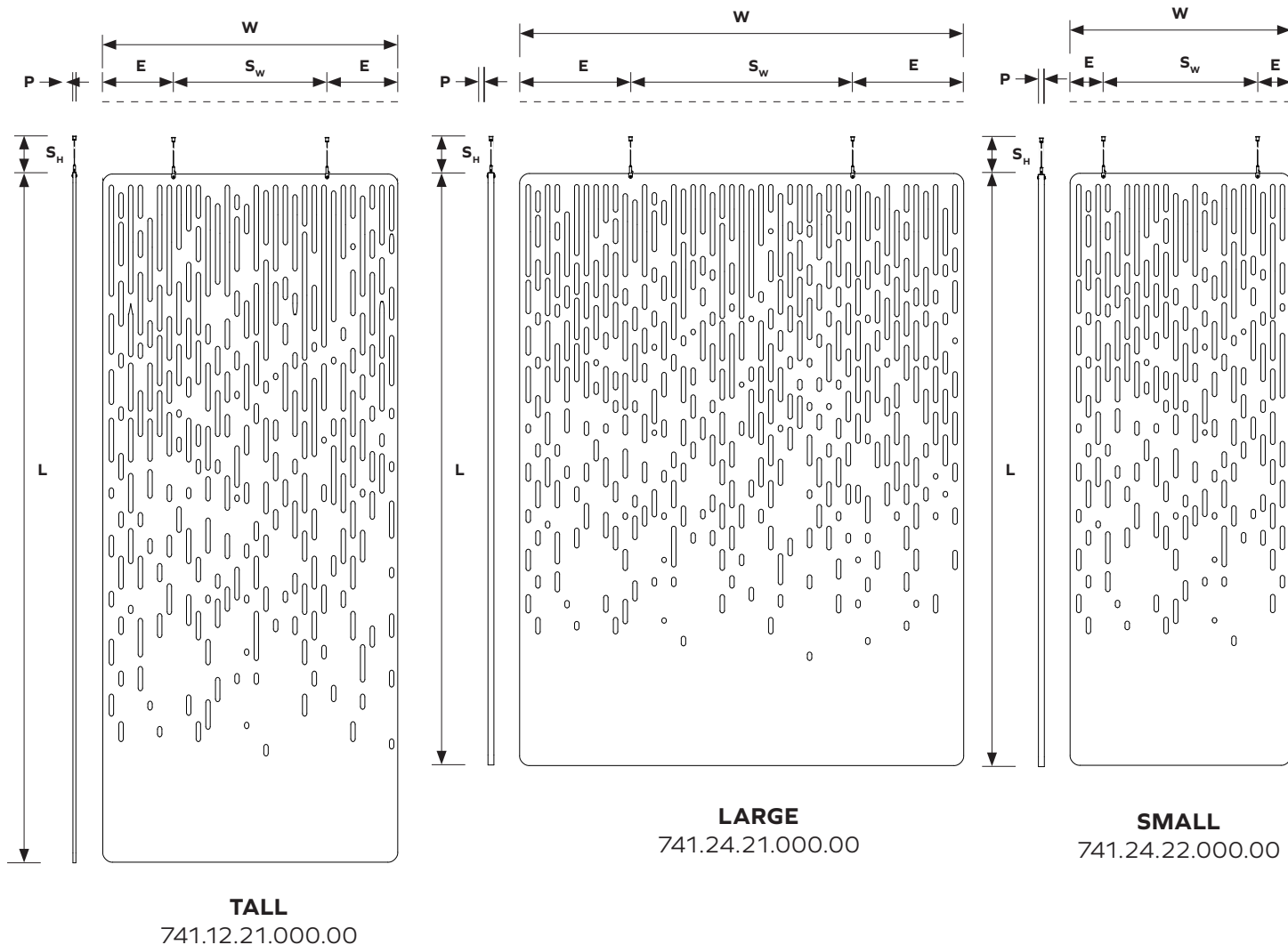
Geometry Information



Dimensions		TALL 741.12.19.000.00	LARGE 741.24.19.000.00	SMALL 741.24.20.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Matrix Hanging Division

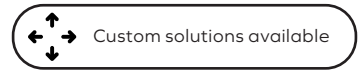
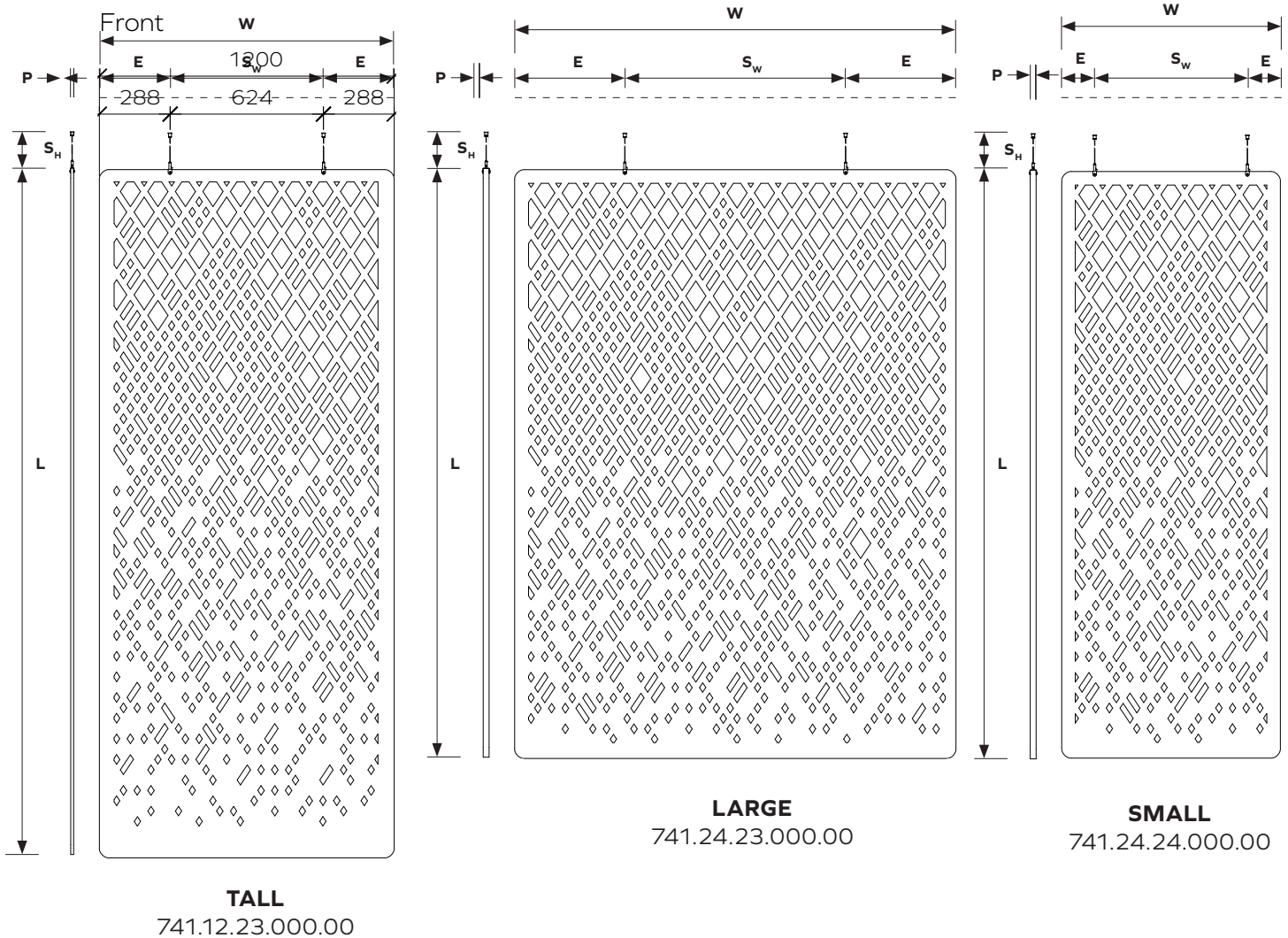
Geometry Information



Dimensions		TALL 741.12.21.000.00	LARGE 741.24.21.000.00	SMALL 741.24.22.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_h	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Tunica Hanging Division

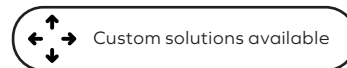
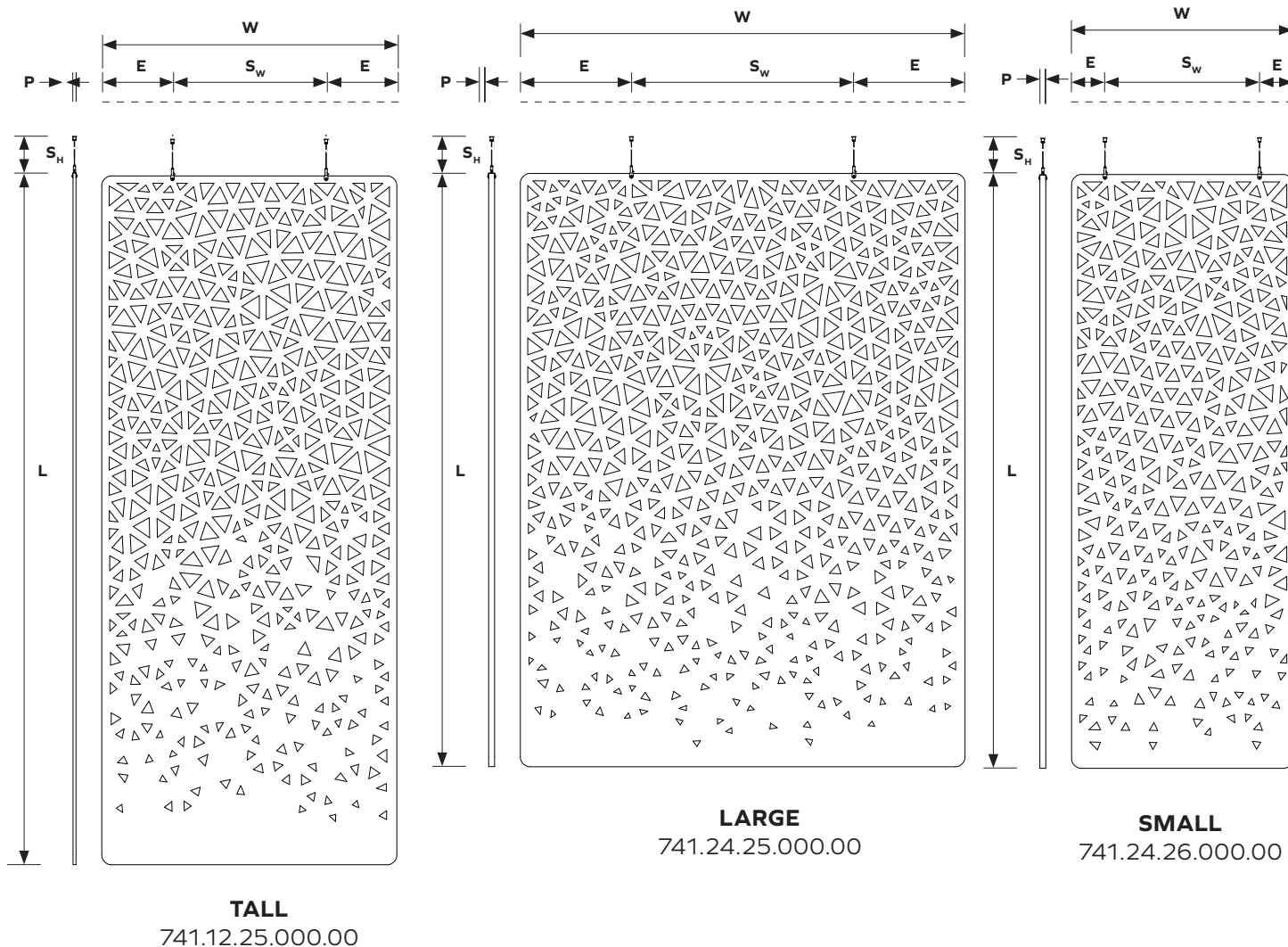
Geometry Information



Dimensions		TALL 741.12.23.000.00	LARGE 741.24.23.000.00	SMALL 741.24.24.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Web Hanging Division

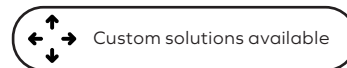
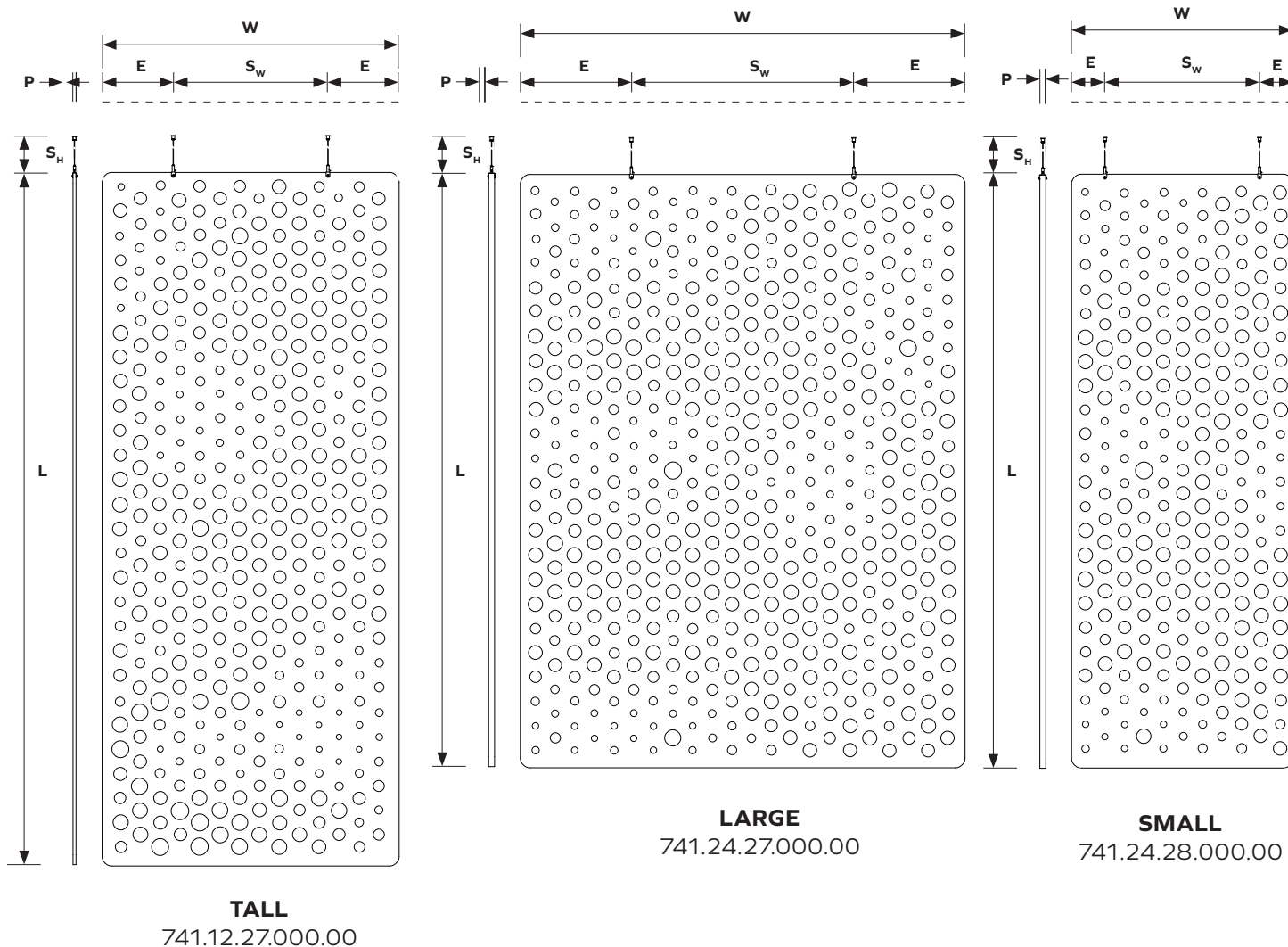
Geometry Information



Dimensions		TALL 741.12.25.000.00	LARGE 741.24.25.000.00	SMALL 741.24.26.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Gradient Hanging Division

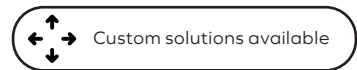
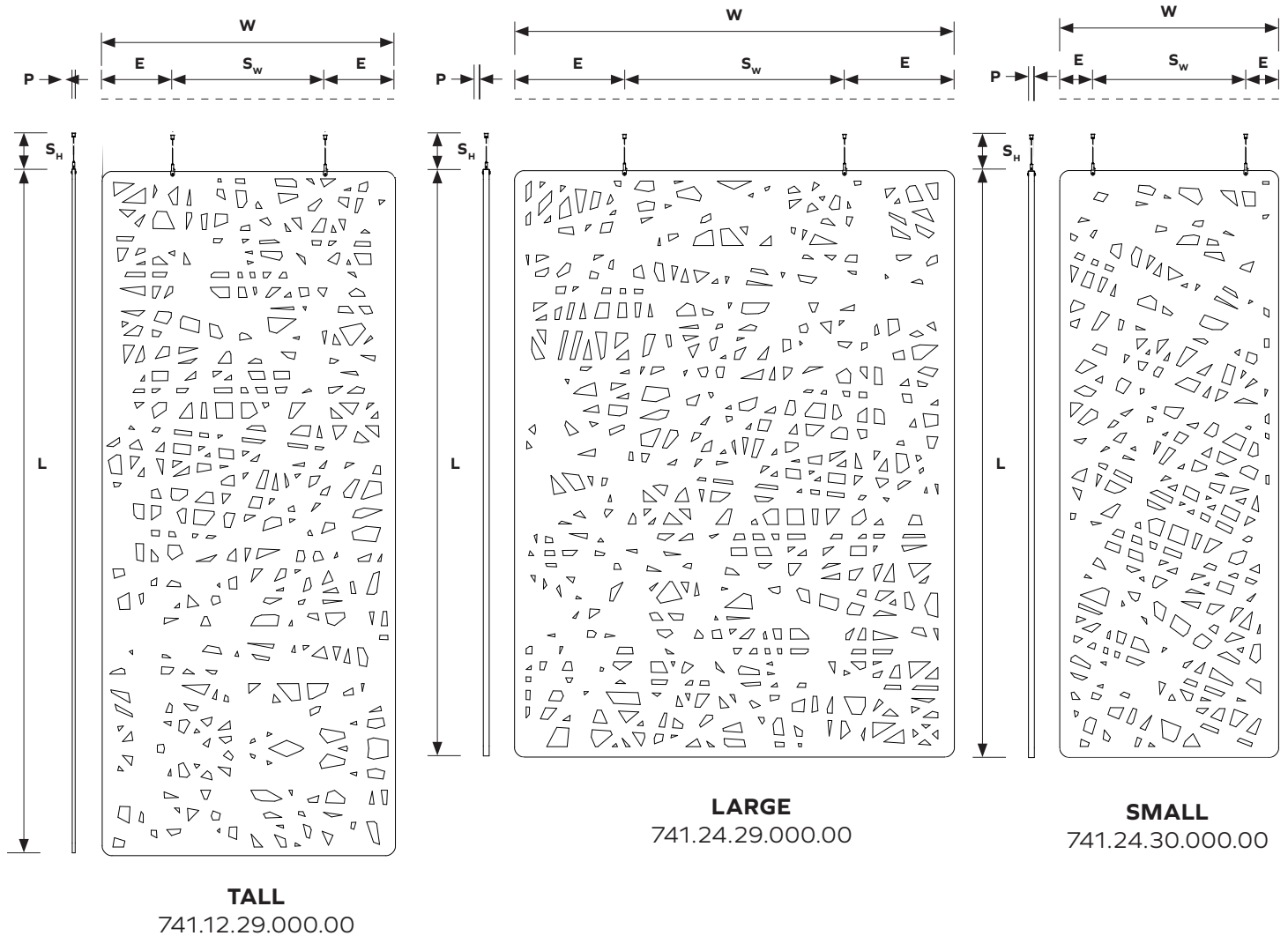
Geometry Information



Dimensions	TALL 741.12.27.000.00	LARGE 741.24.27.000.00	SMALL 741.24.28.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_h Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Rays Hanging Division

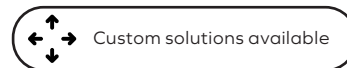
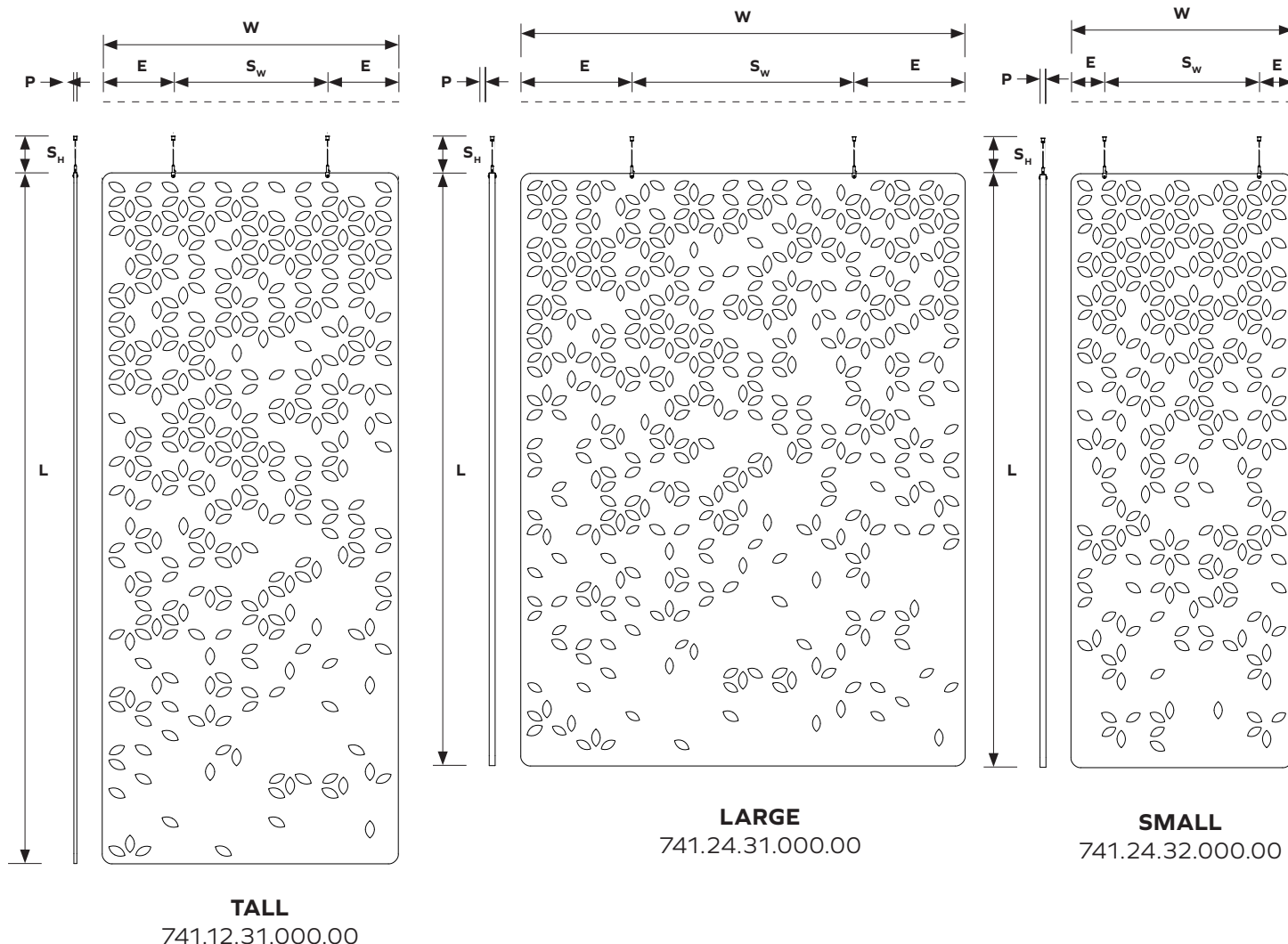
Geometry Information



Dimensions		TALL 741.12.29.000.00	LARGE 741.24.29.000.00	SMALL 741.24.30.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

CroSe Hanging Division

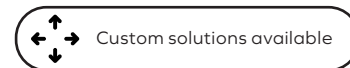
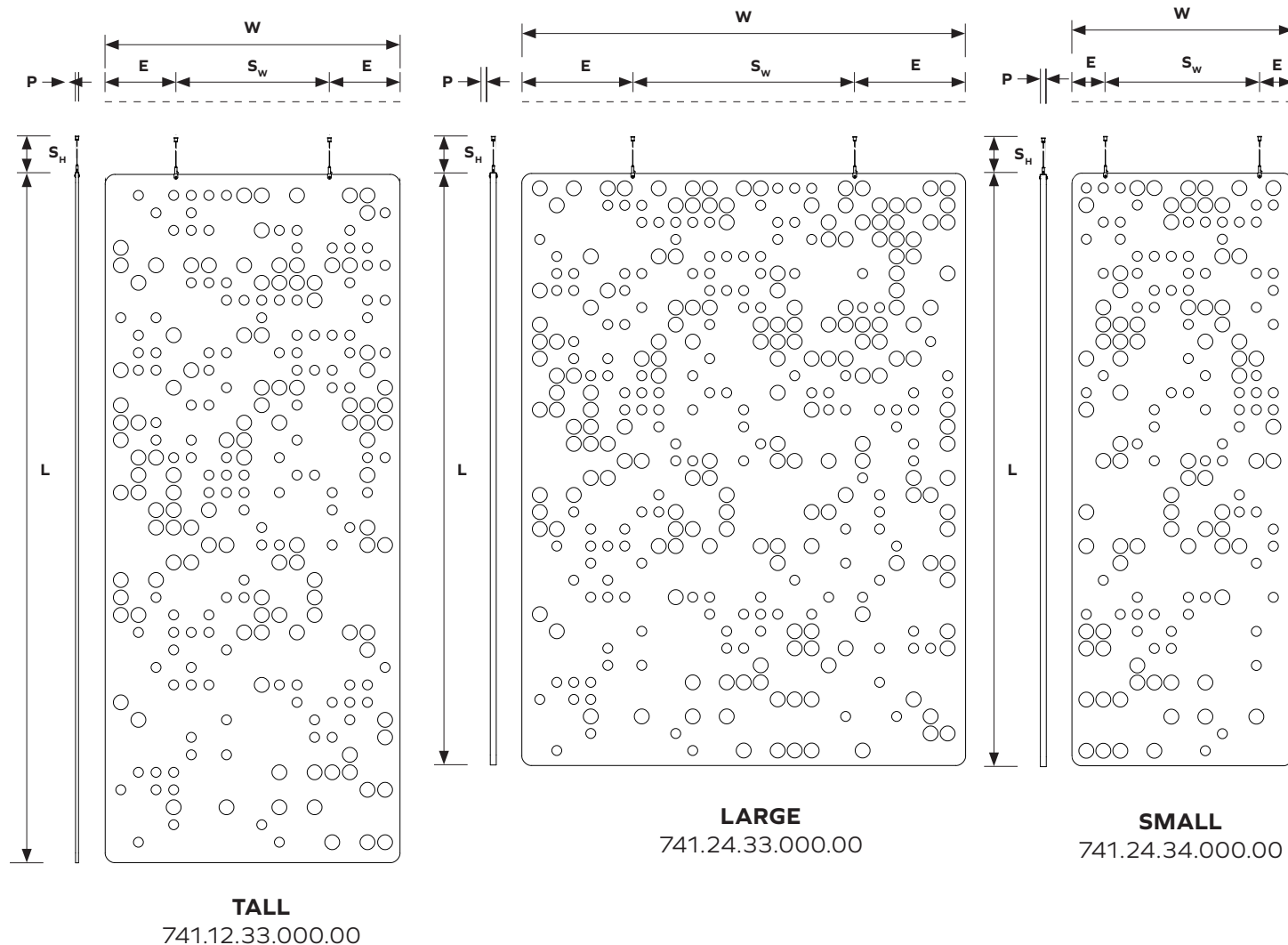
Geometry Information



Dimensions		TALL 741.12.31.000.00	LARGE 741.24.31.000.00	SMALL 741.24.32.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Braille Hanging Division

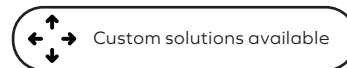
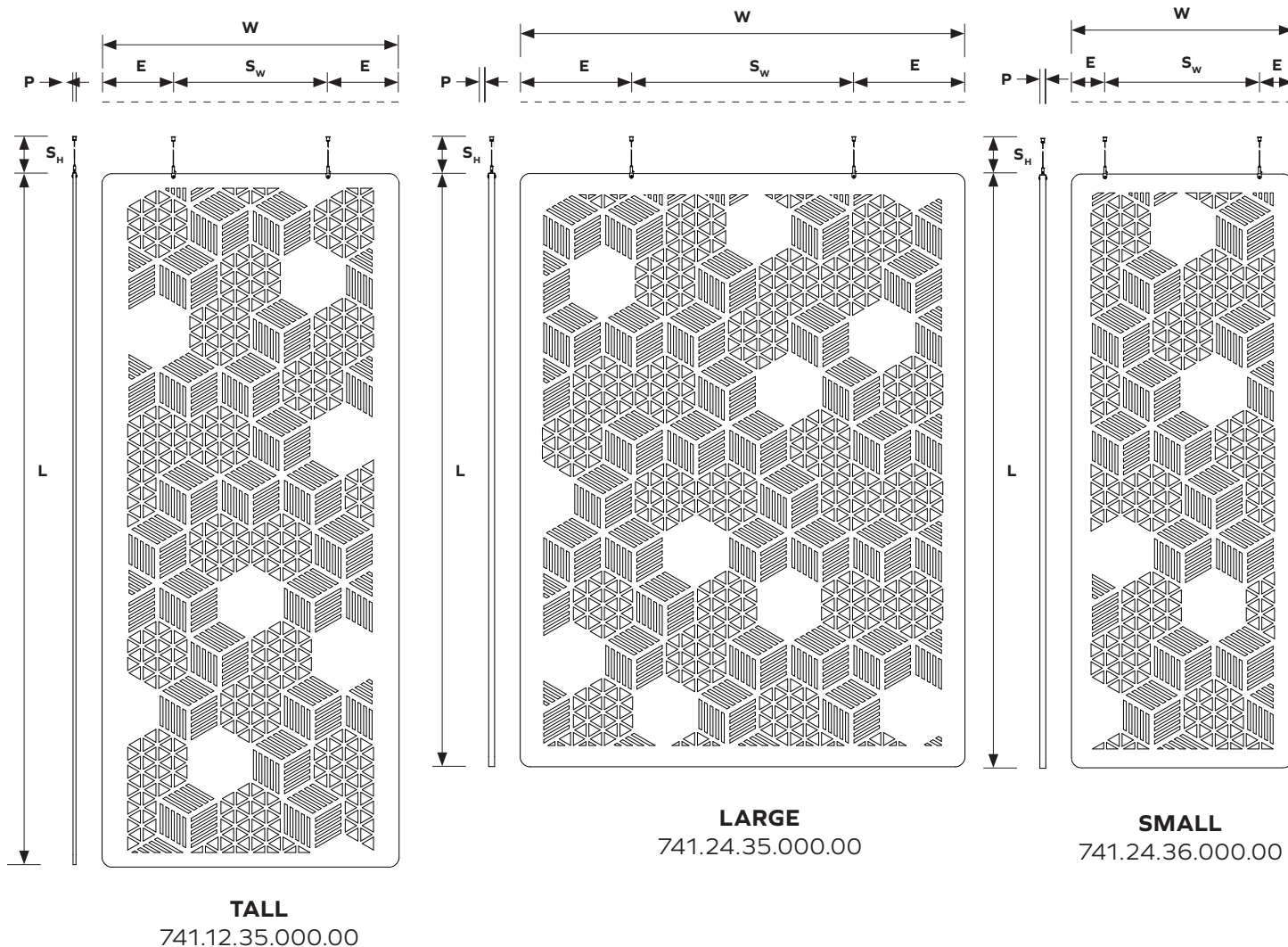
Geometry Information



Dimensions		TALL 741.12.33.000.00	LARGE 741.24.33.000.00	SMALL 741.24.34.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Ornella Hanging Division

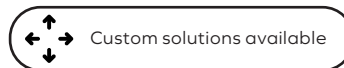
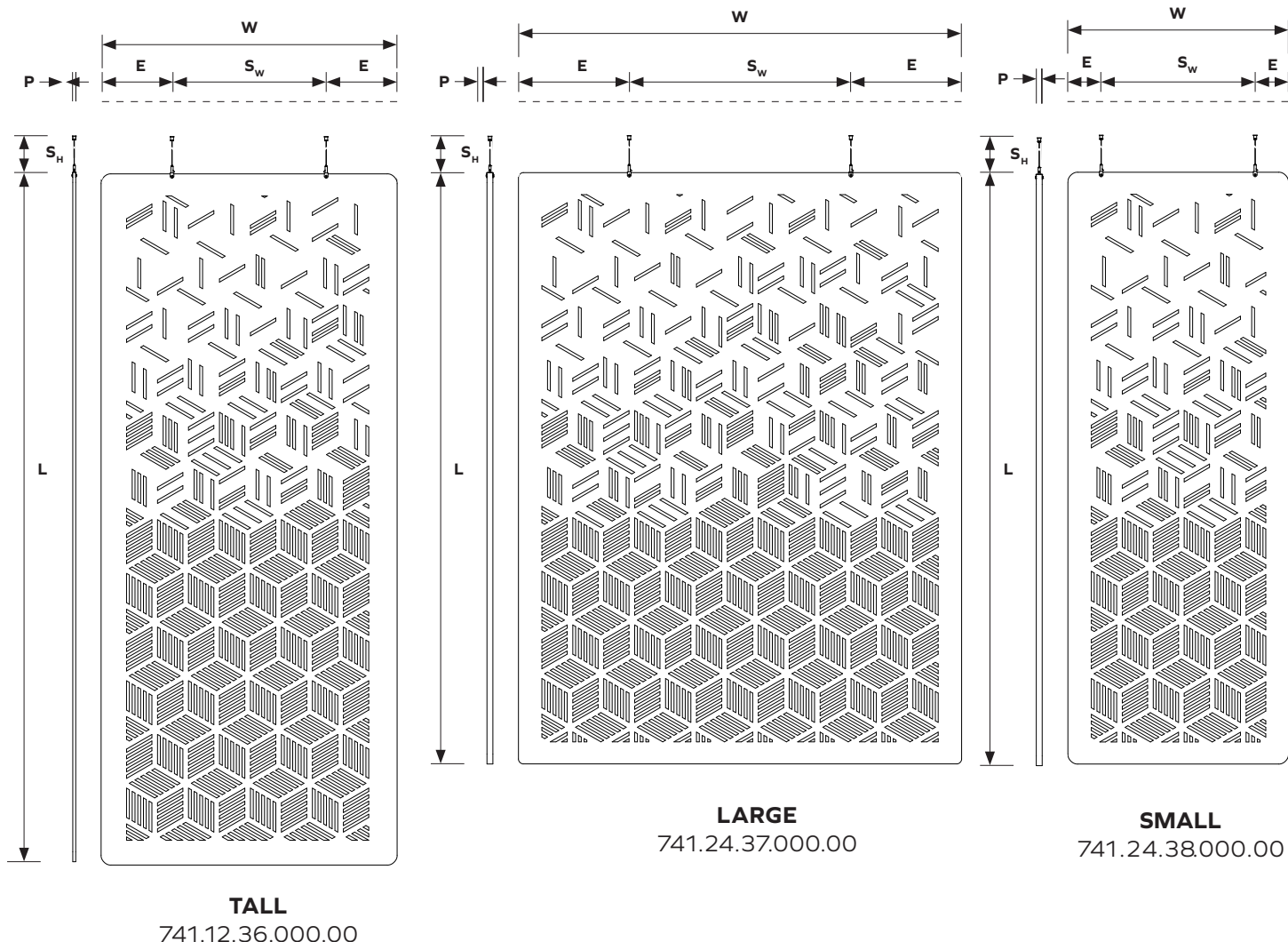
Geometry Information



Dimensions		TALL 741.12.35.000.00	LARGE 741.24.35.000.00	SMALL 741.24.36.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
Sw	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
Sh	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Kyvos Hanging Division

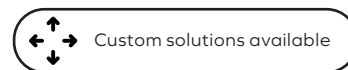
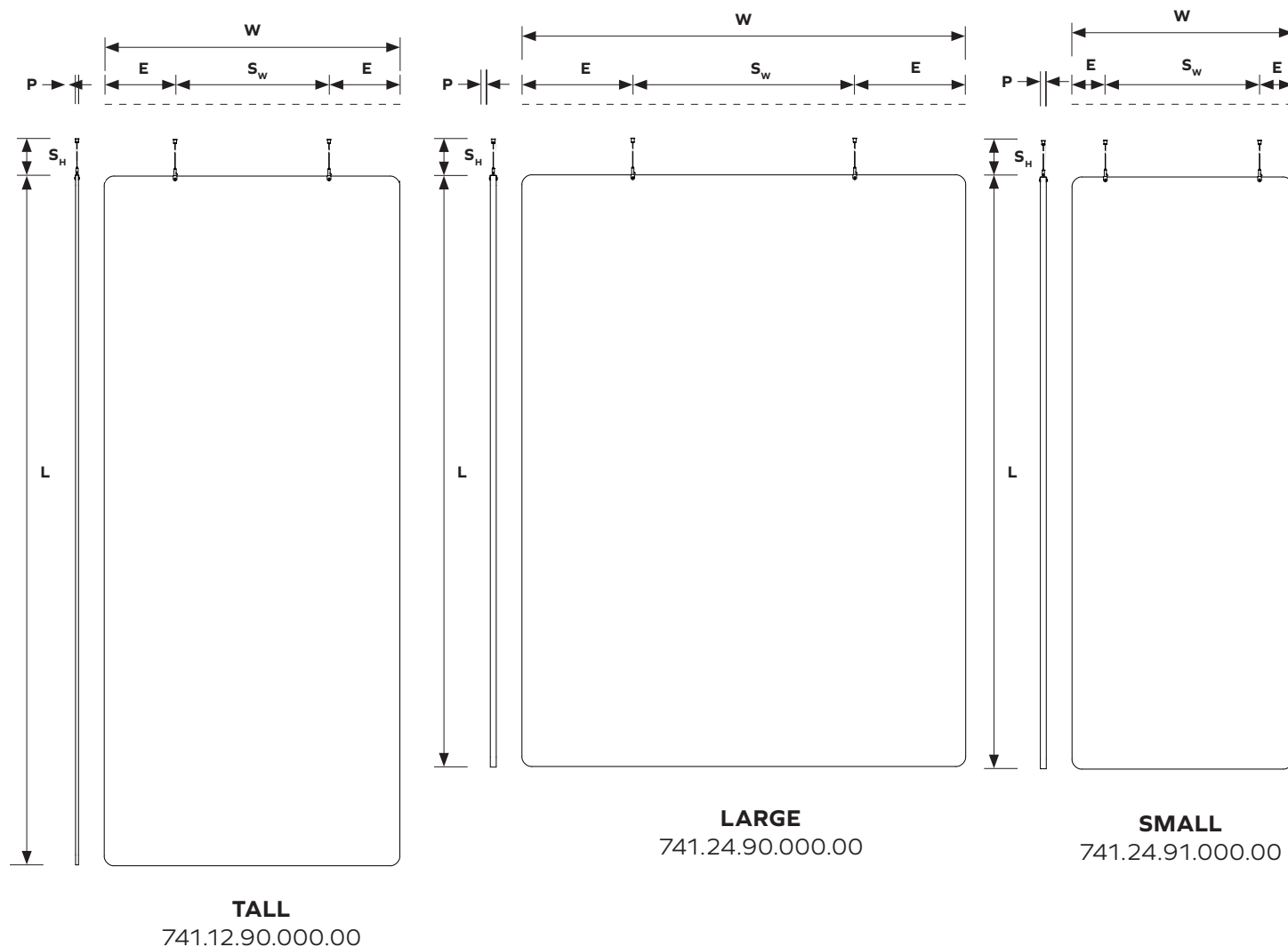
Geometry Information



Dimensions		TALL 741.12.36.000.00	LARGE 741.24.37.000.00	SMALL 741.24.38.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
Sw	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
Sh	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

Plain Hanging Division

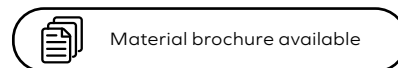
Geometry Information



Dimensions		TALL 741.12.90.000.00	LARGE 741.24.90.000.00	SMALL 741.24.91.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
S_w	Support spacing width	624 mm / 24.57"	900 mm / 35.43"	625 mm / 24.61"
S_H	Support spacing height	1000 - 1500 mm / 39.37 - 59.06"		

ARCHISONIC®

Colours



Name	Snow White	Cloud	Smoke	Slate	Charcoal	Raven	Ground	Gull	Milk
Code	500	103	442	444	542	550	108	144	404
NCS	S 0300-N	S 1002-B	S 3005-R80B	S 4500-N	S 7502-B	S 8500-N	S 5005-Y20R	S 2502-Y	S 0502-Y

Name	Linen	Dune ^S	Jute	Fallow ^S	Warm Stone	Truffle ^S	Sunshine	Honeycomb	Electric Orange
Code	107	104	920	238	105	539	846	139	464
NCS	S 1505-Y30R	S 2005-Y	S 3010-Y30R	S 5010-Y30R	S 3010-Y50R	S 8502-R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

Name	Terracotta	Soft Coral	Cinnabar ^S	Shell Pink	Garnet	Poster Red	Hot Pink	Grape	Marine Blue
Code	239	516	725	102	724	662	140	540	864
NCS	S 4040-Y70R	S 2020-Y90R	S 6030-R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	S 5040-R40B	S 4050-R70B

Name	Midnight	Royal Blue ^S	Winter Sky	Deep Sea	Nocturne ^S	True Navy	Ice Blue	Pacific Ocean	Lagoon ^S
Code	810	865	410	918	866	194	304	432	917
NCS	S 7020-R70B	S 3560-R80B	S 2020-R90 B	S 5020-R90B	S 8010-R90B	S 8005-B	S 0510-B	S 3040-B	S 7020-B30G

Name	Succulent	Spearmint	Seafoam ^S	Nordic Pine	Moss	Grove	Pistachio ^S	Lichen	Fern
Code	712	706	710	311	439	317	315	160	180
NCS	S 3020-B30G	S 1010-B90G	S 3010-G30Y	S 5030-G10Y	S 2040-G40Y	S 7020-G30Y	S 5020-Y	S 4005-Y	S 6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.

S - Solid Colours, additional charge might apply.

ARCHISONIC®

Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours to create harmonious palettes that suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6

ISO 105-B02:A1

Order a free sample box



ARCHISONIC® Felt

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic²	ASTM: NRC=0.6 ISO: α_w =0.65	ASTM: NRC=0.9 ISO: α_w =0.95
Density¹	2400 g/m ² (0.49 lbs/ sqft)	4000 g/m ² (0.82 lbs/sqft)
Colour Fastness	Class 6 ISO 105-B02:A1	
Colours and finishes	45 colours (see ARCHISONIC® Felt Colour page for more information)	
Maintenance	For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.	
Lead time³	21 days	
Fire Rating⁴	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission	Indoor Air Comfort® GOLD Compliance with leading international indoor air quality standards and sustainable building schemes across Europe and North America, including LEED, WELL, BREEAM, M1, AgBB, EMICODE, EU Taxonomy and REACH requirements. Additional documentation available upon request.	
Thermal Conductivity⁵	12 mm: 0.039 W/m·K 24 mm: 0.037 W/m·K	
Thermal Resistance⁵	12 mm: 0.30 m ² K/W 24 mm: 0.65 m ² K/W	
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-KIC, SCS Recycled Content	
Durability	Contract	

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product

4 - the following colours carry a B-S2 fire certificate rating: Hot Pink 140 12mm, Lichen 160 12mm, True Navy 194 24mm, Pacific Ocean 432 24mm, Pacific Ocean 432 12mm, Electric Orange 464 24mm, Soft Coral 516 24mm, Raven 550 24mm, Raven 550 12mm, Poster Red 662 12mm, Garnet 724 12mm, Midnight 810 24mm, Marine Blue 864 24mm

5 - values based on third-party testing according to ASTM C518.



Climate-KIC is supported by the EIT, a body of the European Union



Hanging Division

Acoustic Performance

Please note that this acoustic performance does not refer to the hanging divisions with perforation.



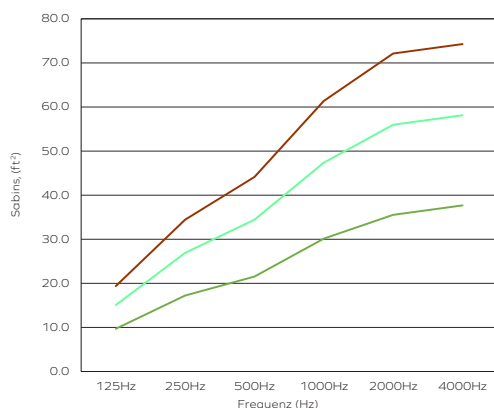
Prüfnormen

ISO 354:2003	Akustik - Messung der Schallabsorption in einem hallenden Raum
ISO 11654:1997	Akustik - Schallabsorber zur Verwendung in Gebäuden - Bewertung der Schallabsorption
ISO 20189:2018	Akustik - Bildschirme, Möbel und einzelne Gegenstände für den Innenbereich - Bewertung der Schallabsorption und Schallreduktion von Elementen auf der Grundlage von Labormessungen
ASTM C423-17	Standardprüfverfahren für Schallabsorption und Schallabsorptionskoeffizienten nach dem Hallraumverfahren
ASTM E795-16	Standardpraktiken für die Montage von Prüfkörpern bei Schallabsorptionsprüfungen

Akustische Testergebnisse

	α_w	SAA	NRC
24mm Wandtafel 1800x2400mm (Einfach)	0.55 (H)	0.57	0.55
24mm Wandtafel 1800x2400mm (Perforiertes Muster)	0.45 (H)	0.47	0.45
12mm Wandtafel 1200x2800mm (Einfach)	0.4 (H)	0.39	0.40
12mm Wandtafel 1200x2800mm (Perforiertes Muster)	0.35 (H)	0.32	0.35

Bei der Messung wurde rosa Rauschen als Anregungssignal in einem schallharten Raum verwendet.

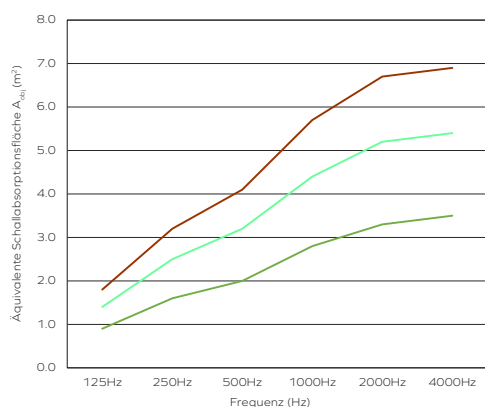


Akustische Leistung - ASTM Sabins, ft²

Frequenz (Hz)	125	250	500	1000	2000	4000
12mm Plain 2800mm x 1200mm	15.07	26.91	34.44	47.36	55.97	58.13
24mm Plain 2400mm x 900mm	9.69	17.22	21.53	30.14	35.52	37.67
24mm Plain 2400mm x 1800mm	19.38	34.44	44.13	61.35	72.12	74.27

Das Diagramm stellt die Sabins (ft²) in den Mittenfrequenzen des dritten Oktavbandes dar.

- 12mm Plain 2800mm x 1200mm
- 24mm Plain 2400mm x 900mm
- 24mm Plain 2400mm x 1800mm



Akustische Leistung - ISO A_{obj} , m²

Frequenz (Hz)	125	250	500	1000	2000	4000
12mm Plain 2800mm x 1200mm	1.4	2.5	3.2	4.4	5.2	5.4
24mm Plain 2400mm x 900mm	0.9	1.6	2.0	2.8	3.3	3.5
24mm Plain 2400mm x 1800mm	1.8	3.2	4.1	5.7	6.7	6.9

Das Diagramm stellt die äquivalente Schallabsorption pro Objekt (A_{obj}) in den Mittenfrequenzen des dritten Oktavbandes dar.

- 12mm Plain 2800mm x 1200mm
- 24mm Plain 2400mm x 900mm
- 24mm Plain 2400mm x 1800mm

Hanging Division

Reference Projects



Hanging Division

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



CAD files



Datasheets and
Installation Guide



Colour families



Instruction
videos



Associated products
specifications

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfil the majority of our orders in as little as 21 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



Contact our
consultant

Quote¹

48 h



Order Confirmation

Production¹

2 - 3 weeks



Dispatch

Transit

location based



Delivery

Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any questions.



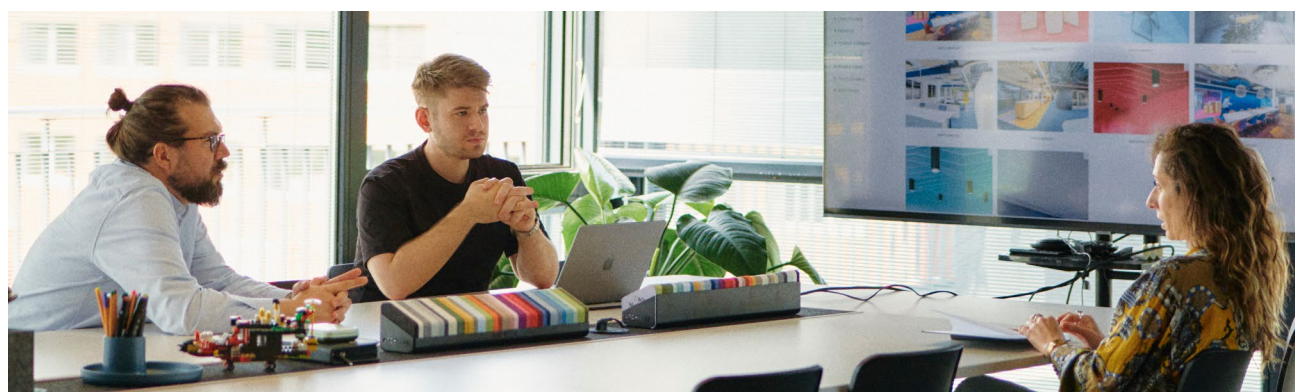
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
Hanging Division rev.03 - 20.04.26

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