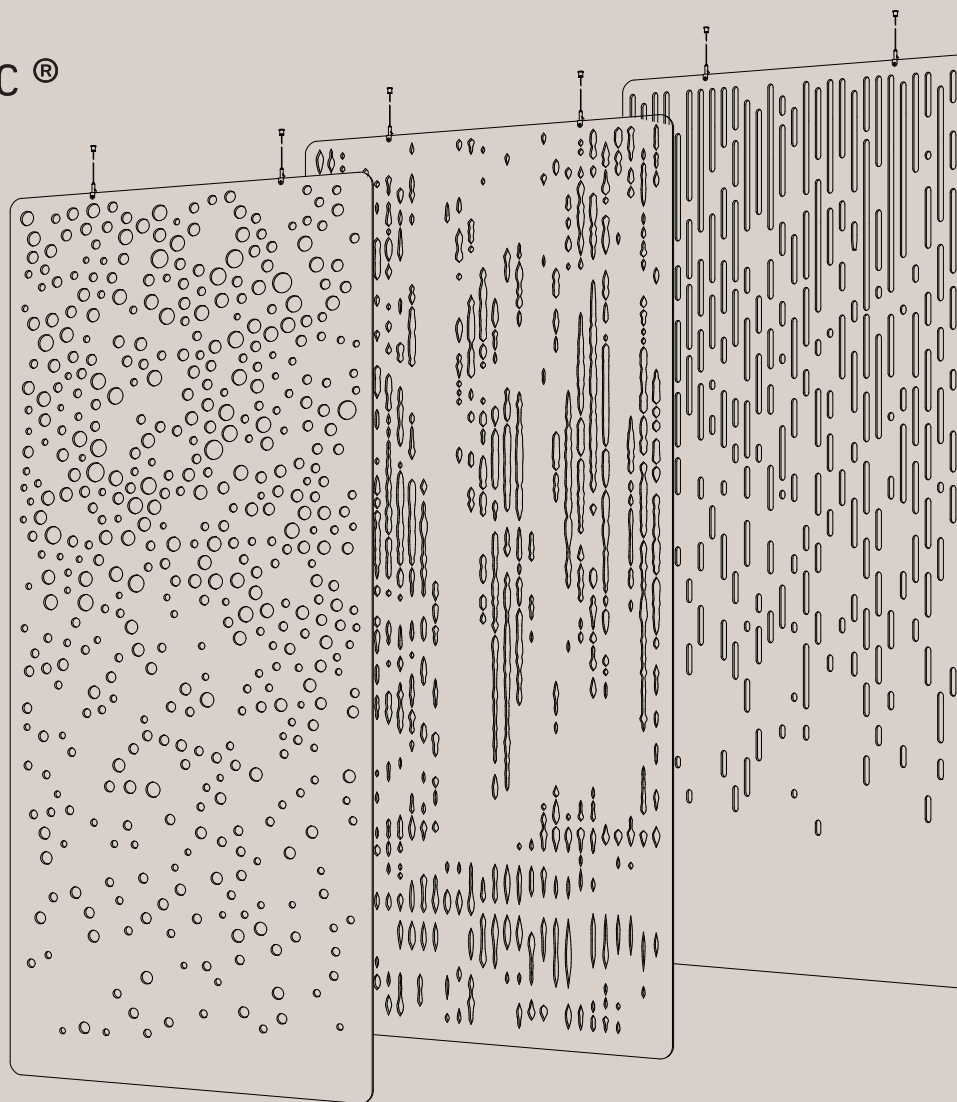


IMPACT ACOUSTIC®



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 36 colors
Suspension Kit	Stainless steel



Extended document available

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



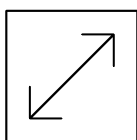
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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.

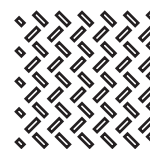
1 Specify your product:



Size



Color



Pattern

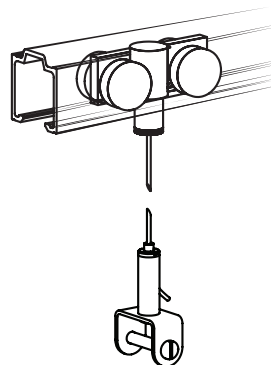
2 Verify installation method:



Suspension Kit
12mm



Suspension Kit
24mm



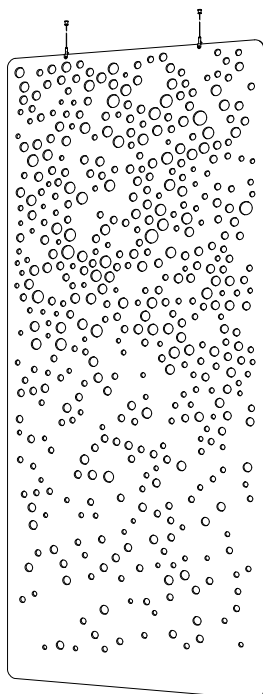
Curtain Slider
12mm and 24mm

Hanging Division

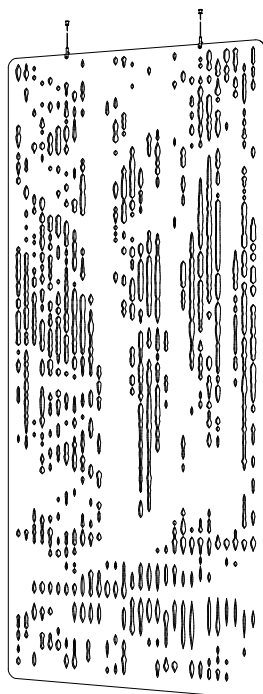
Available Perforations

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

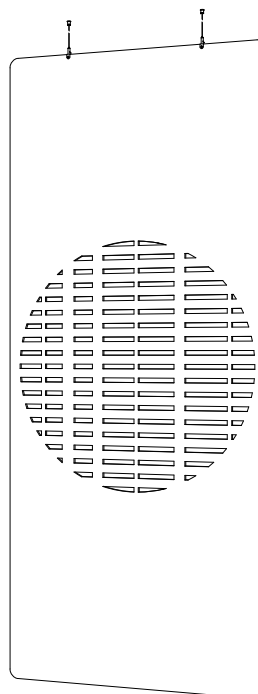
741.12.13.000.00



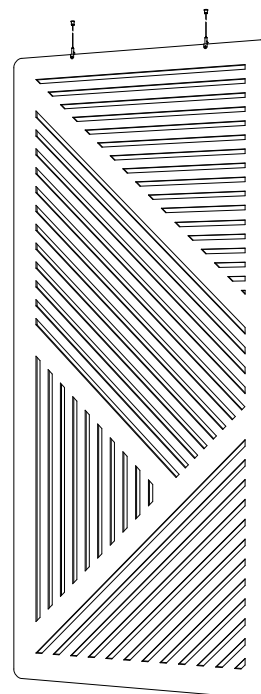
741.12.15.000.00



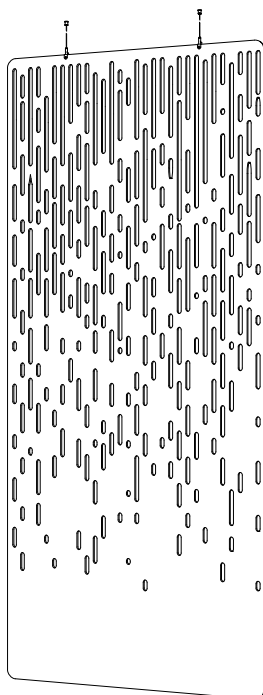
741.12.17.000.00



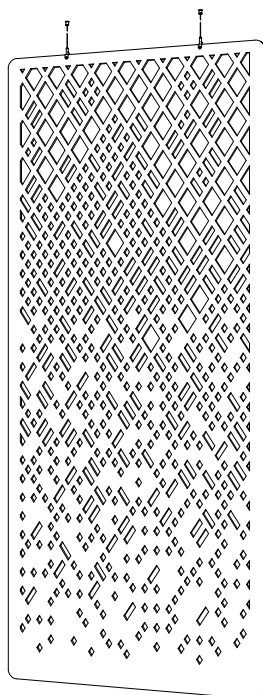
741.12.19.000.00



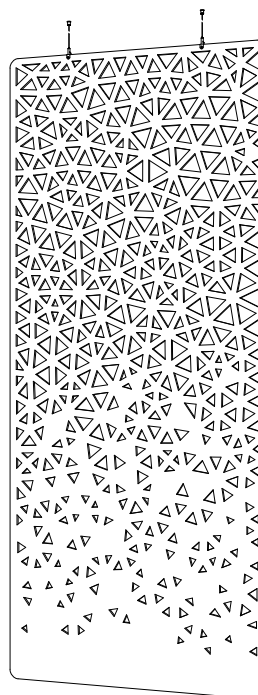
741.12.21.000.00



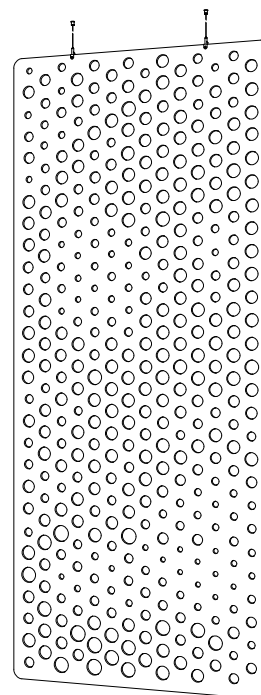
741.12.23.000.00



741.12.25.000.00



741.12.27.000.00

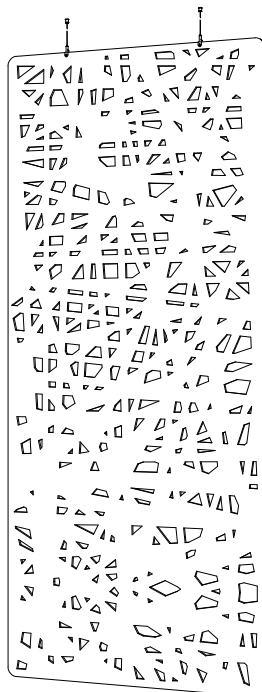


Hanging Division

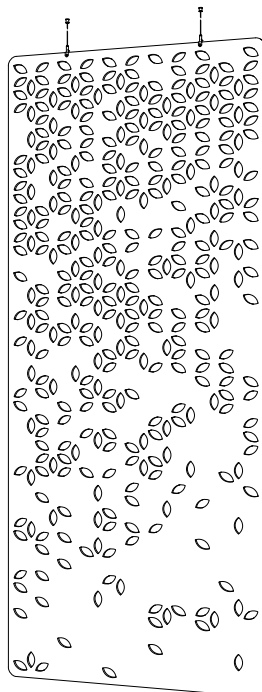
Available Perforations

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

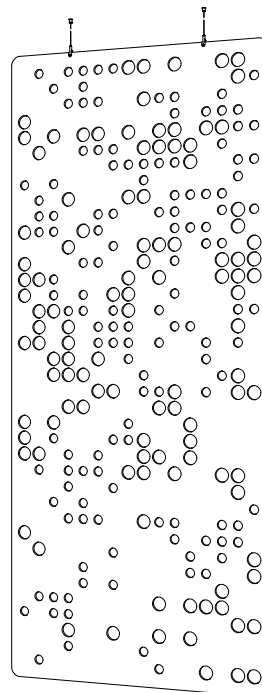
741.12.29.000.00



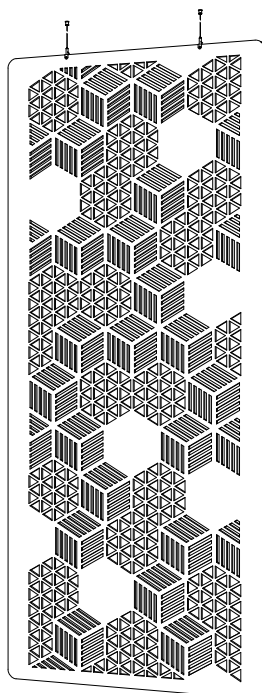
741.12.31.000.00



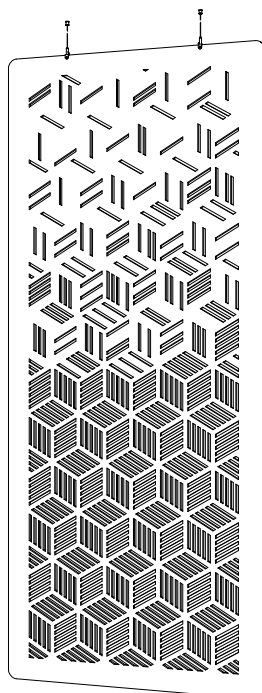
741.12.33.000.00



741.12.35.000.00



741.12.36.000.00

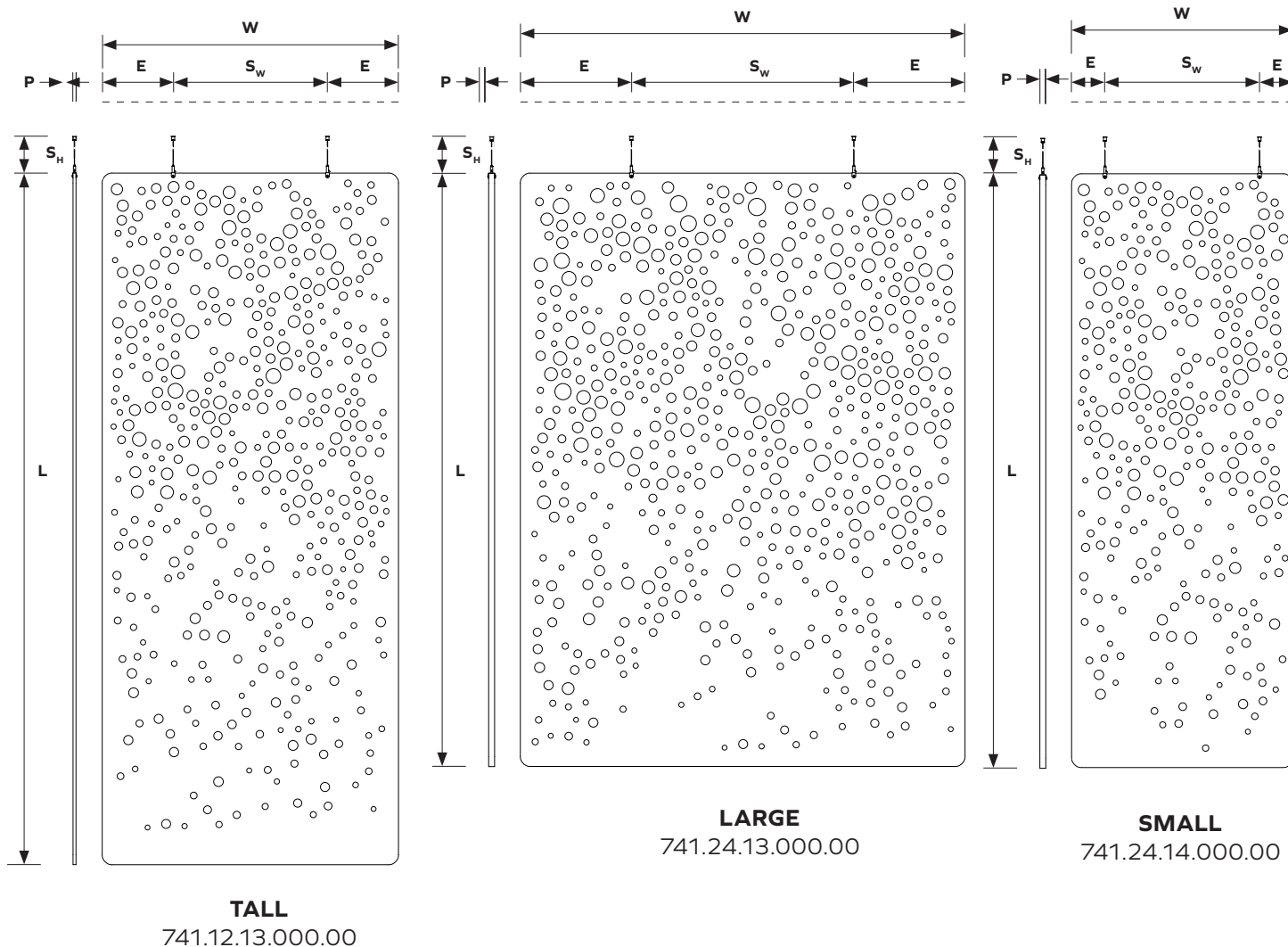
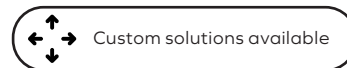


741.12.90.000.00



Bubbles Hanging Division

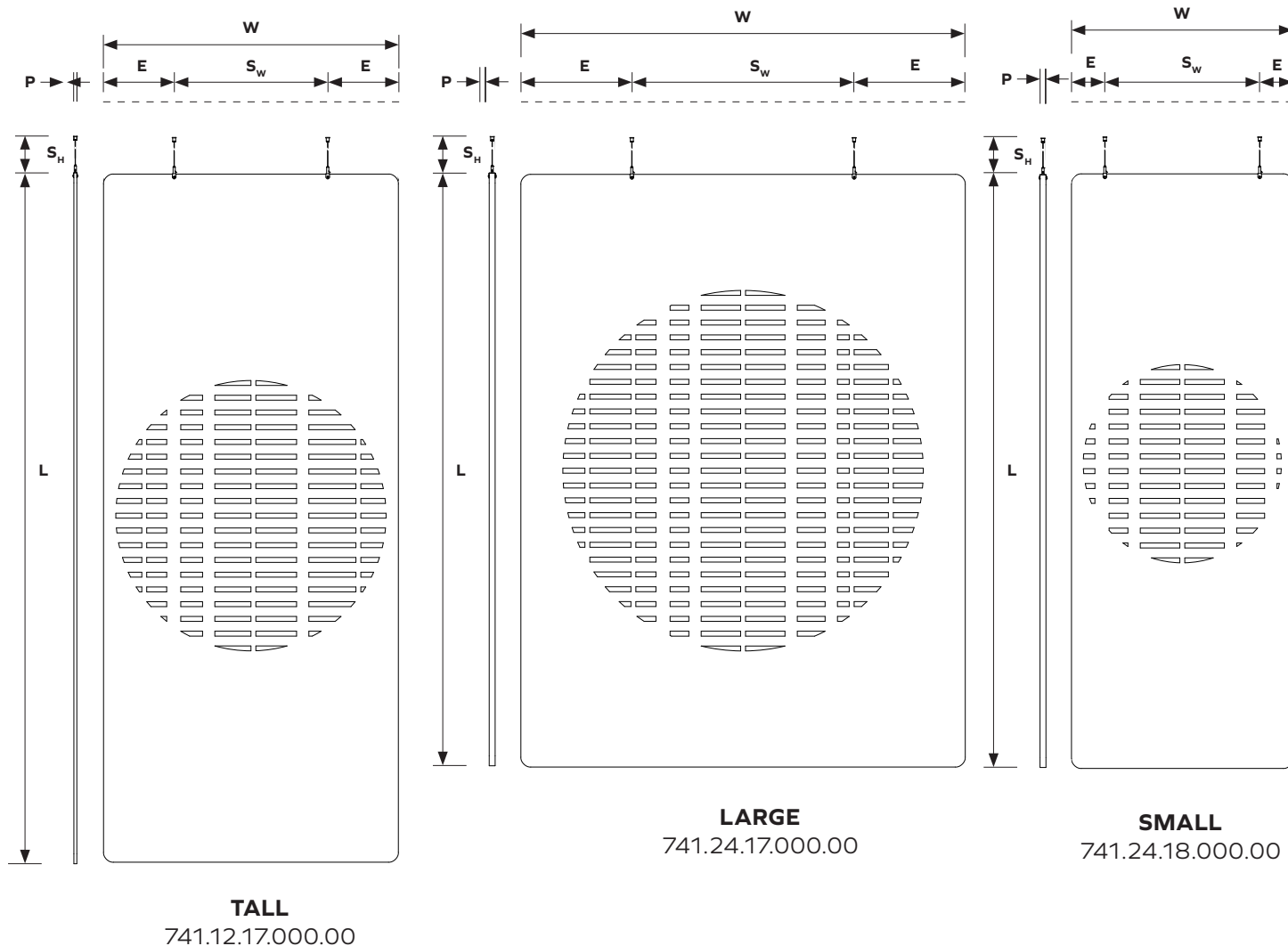
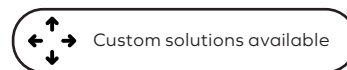
Geometry Information



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

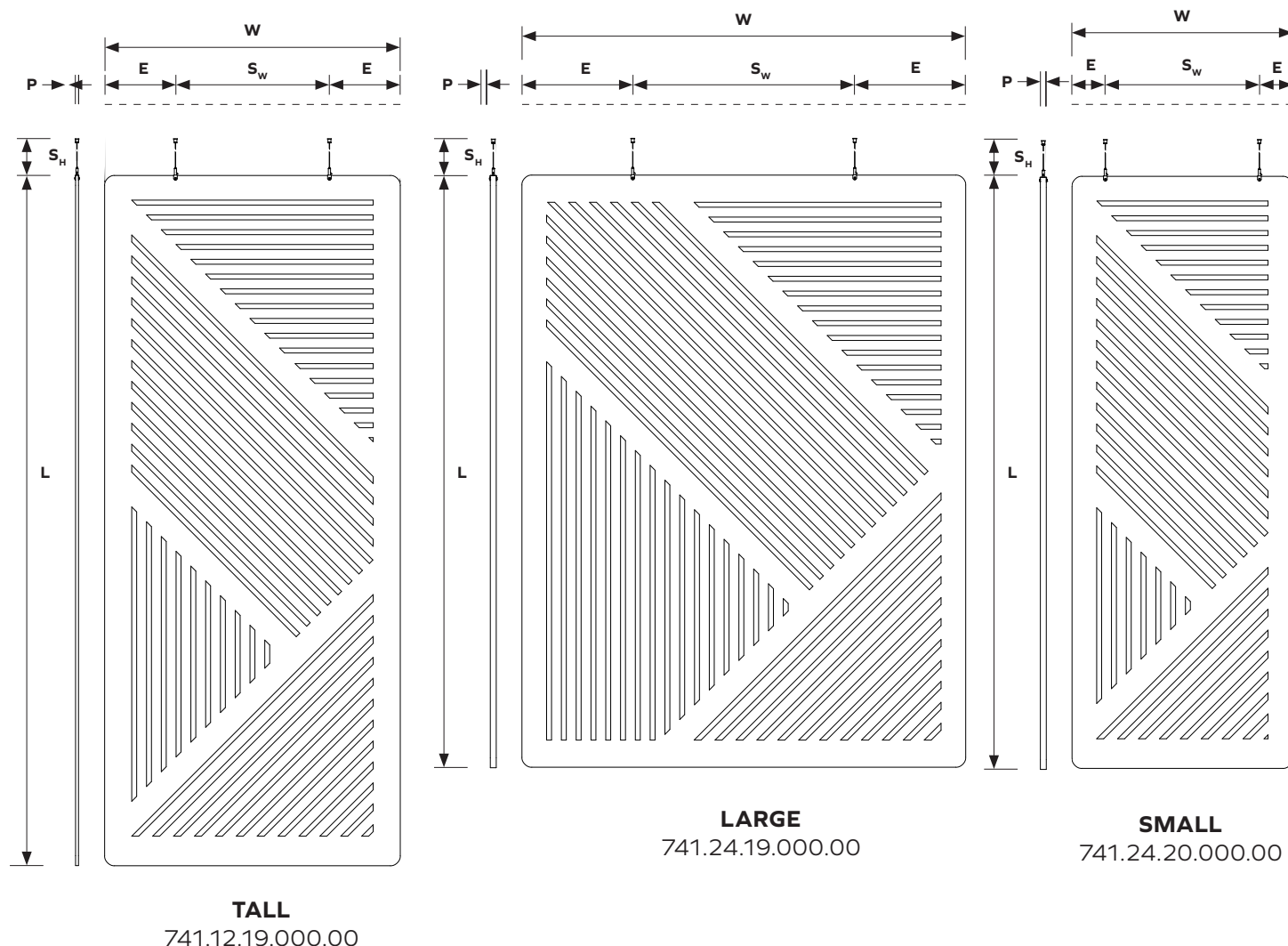
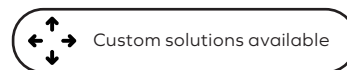
Geometry Information



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

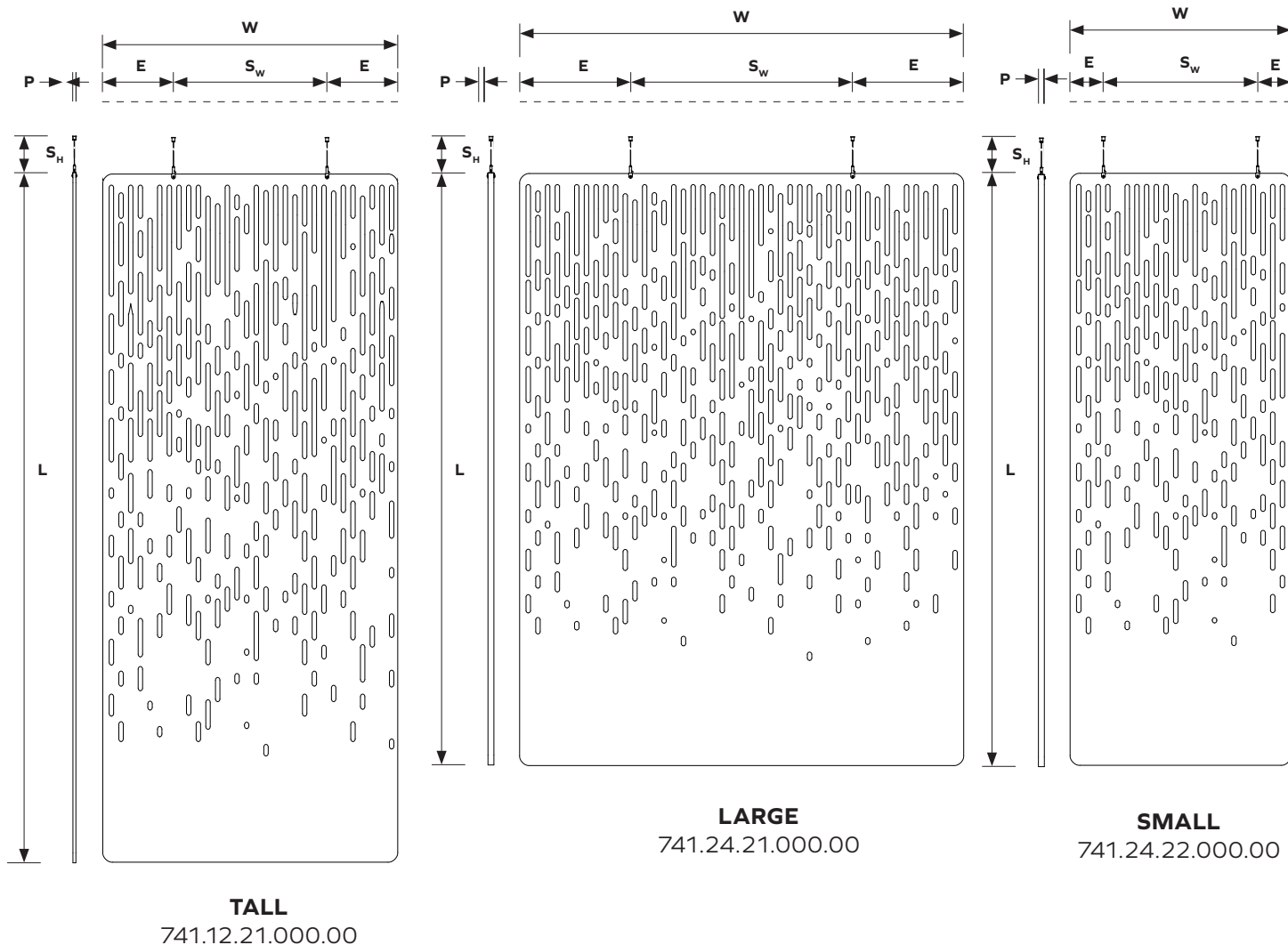
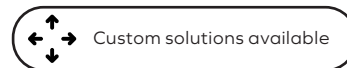
Geometry Information



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"
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"		

Matrix Hanging Division

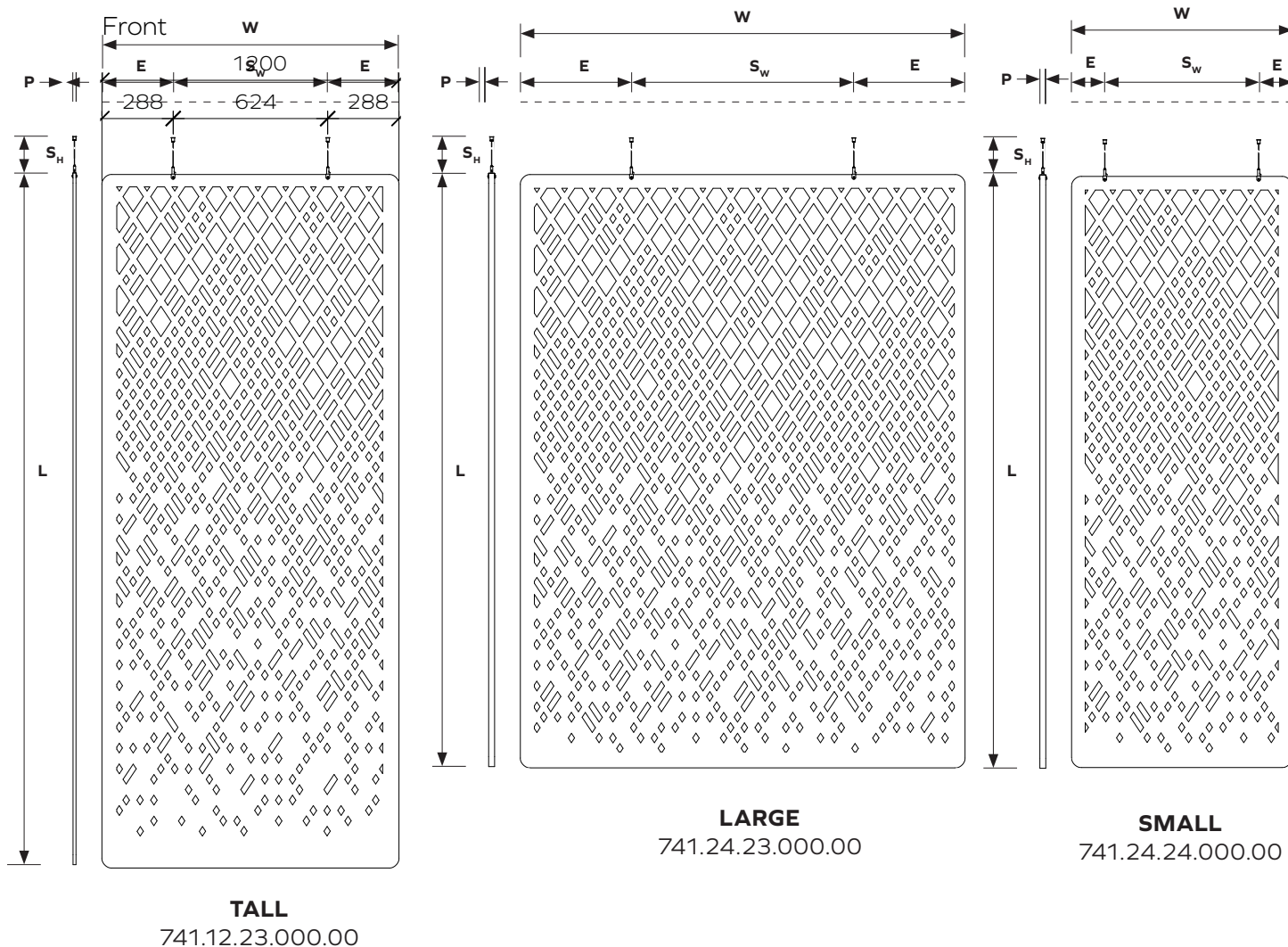
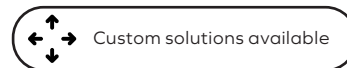
Geometry Information



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

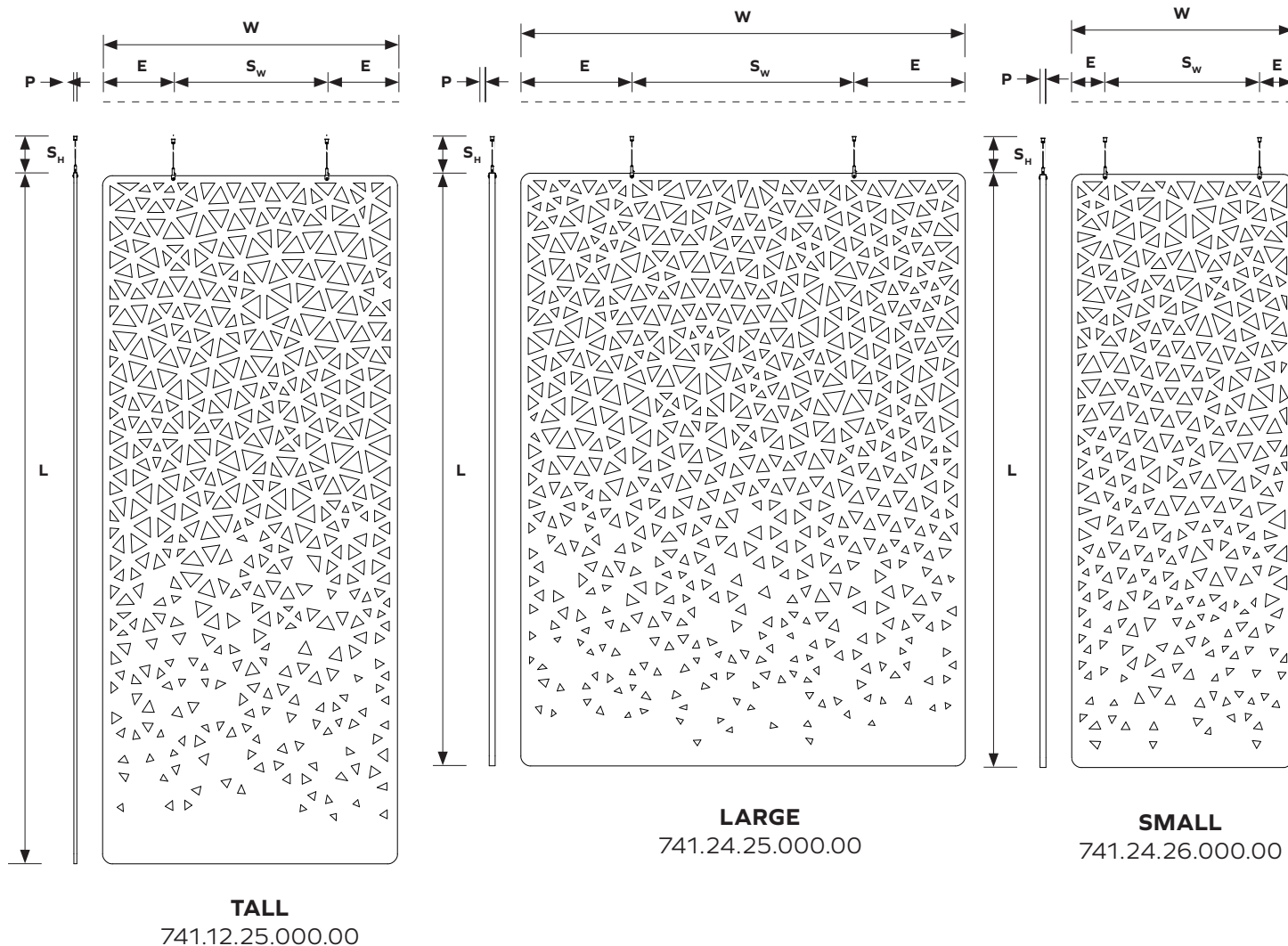
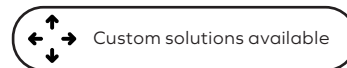
Geometry Information



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

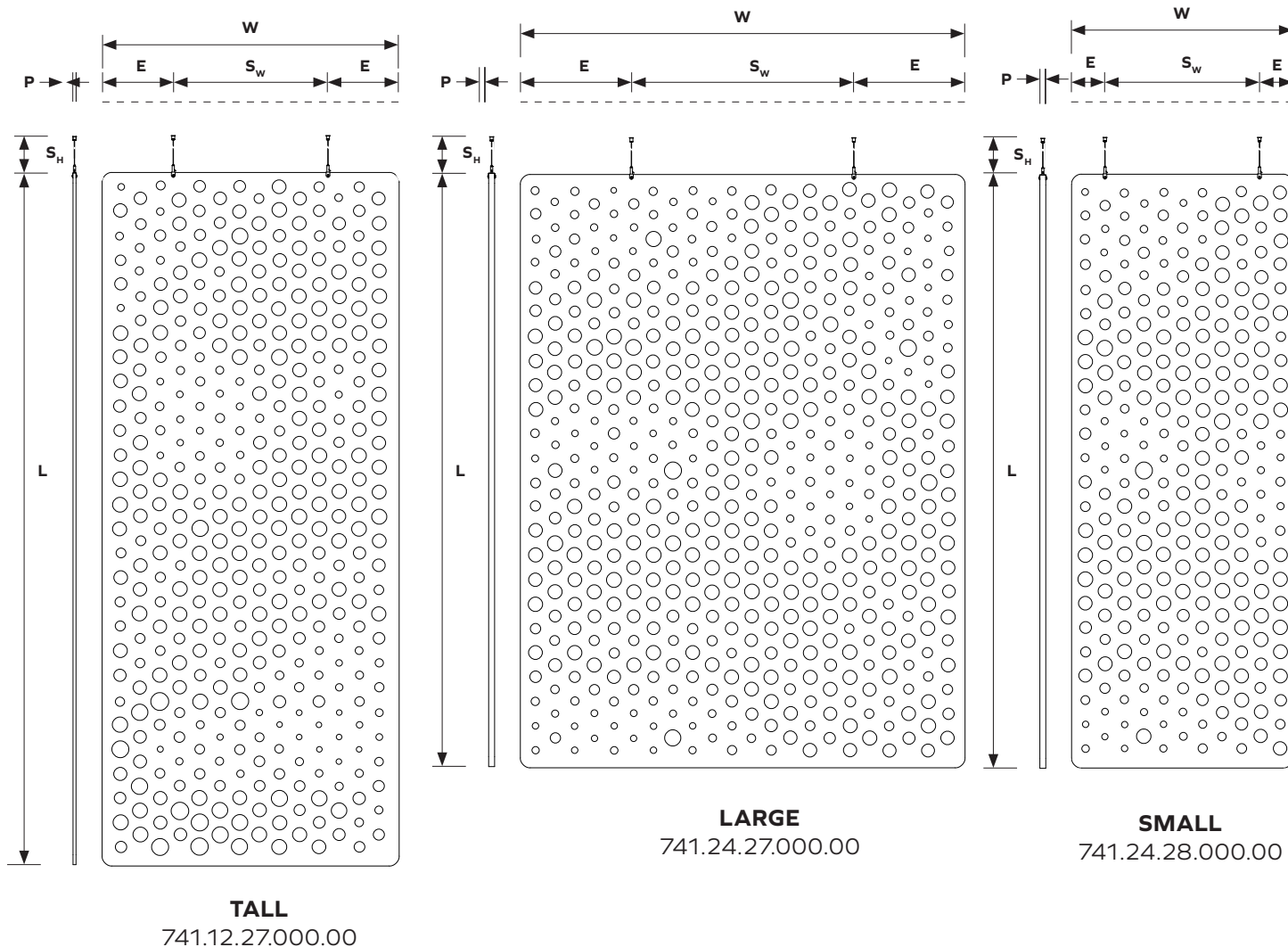
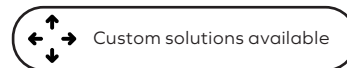
Geometry Information



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

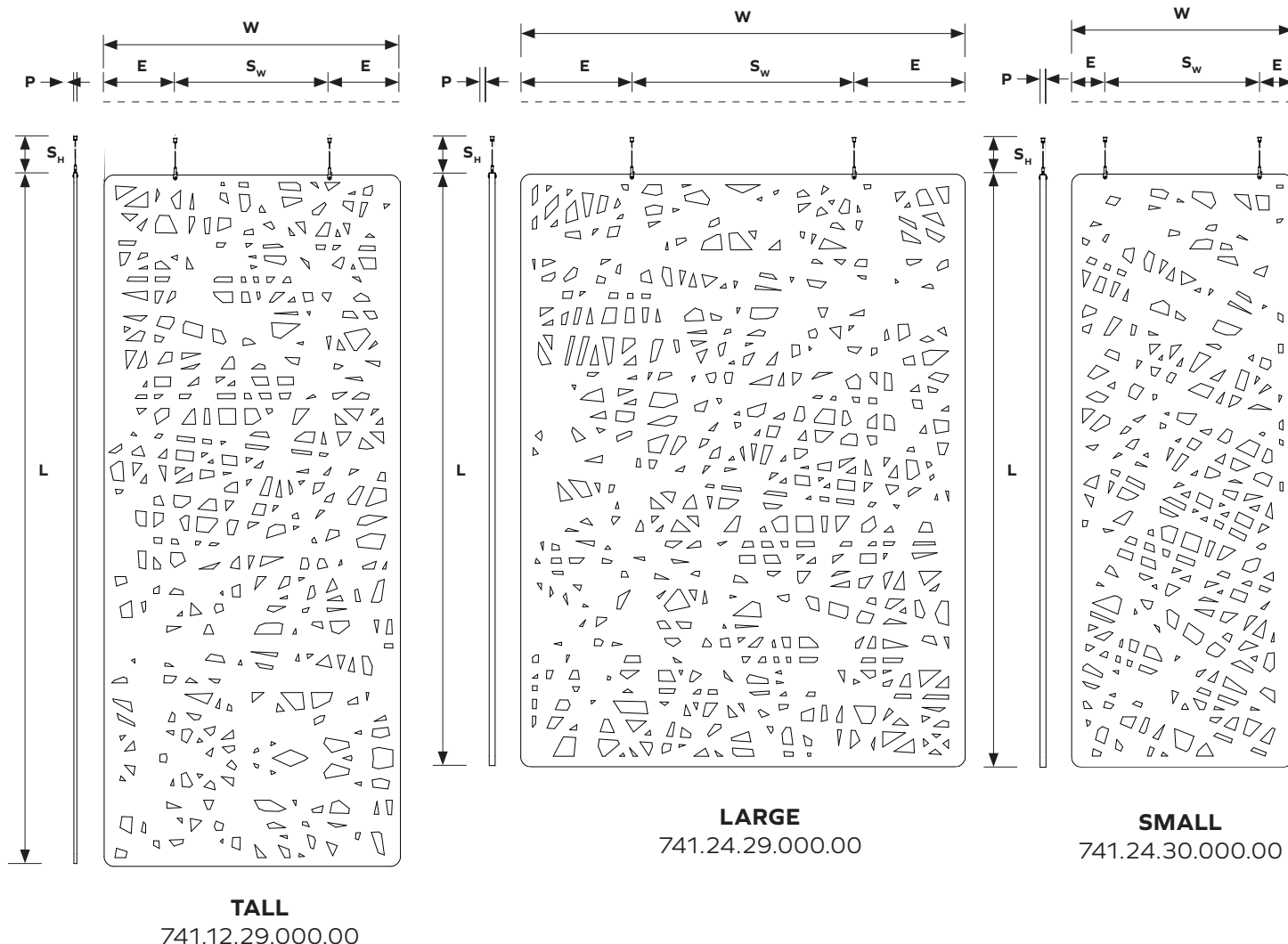
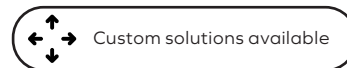
Geometry Information



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

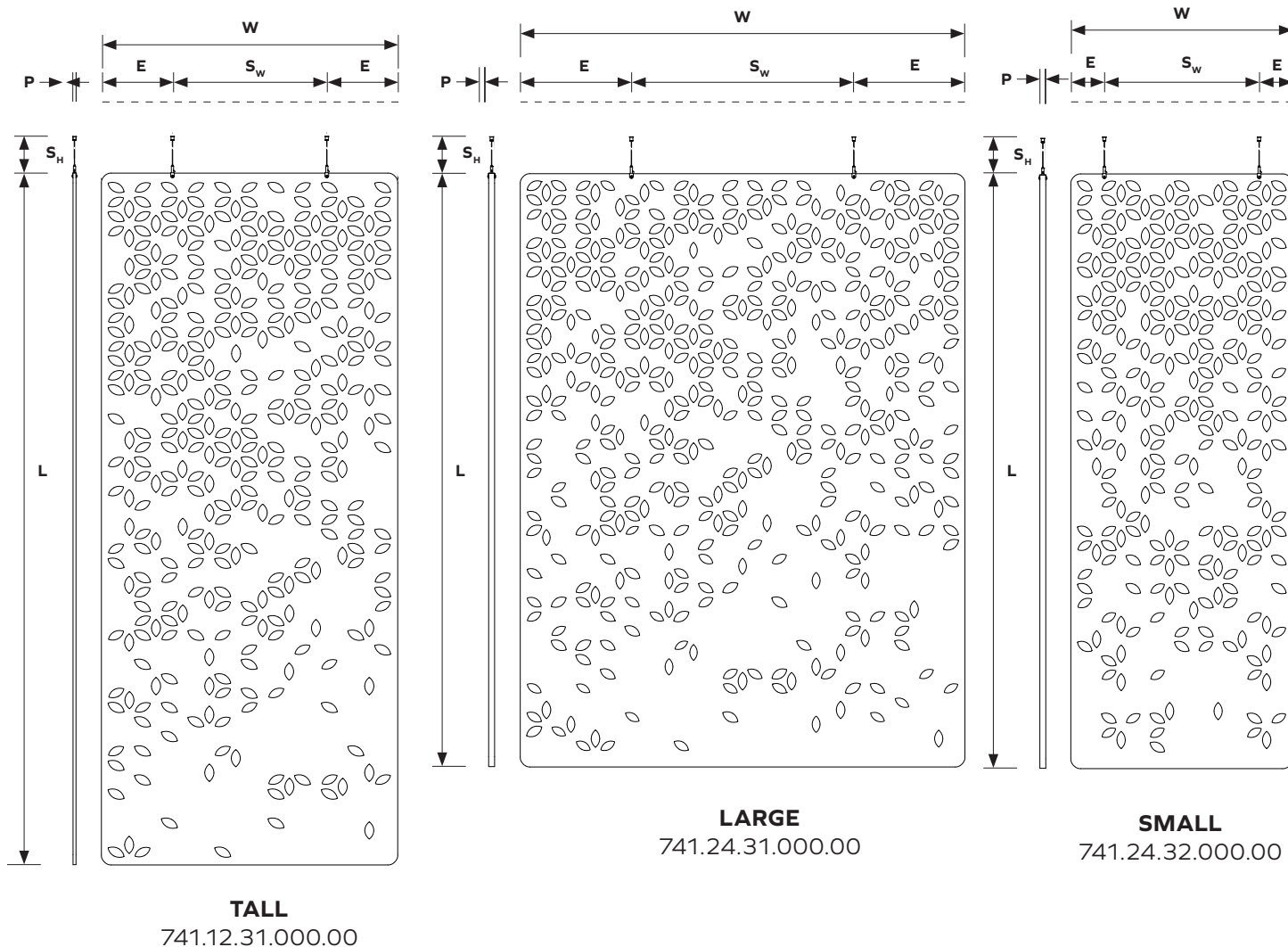
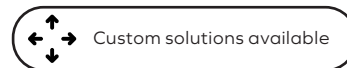
Geometry Information



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

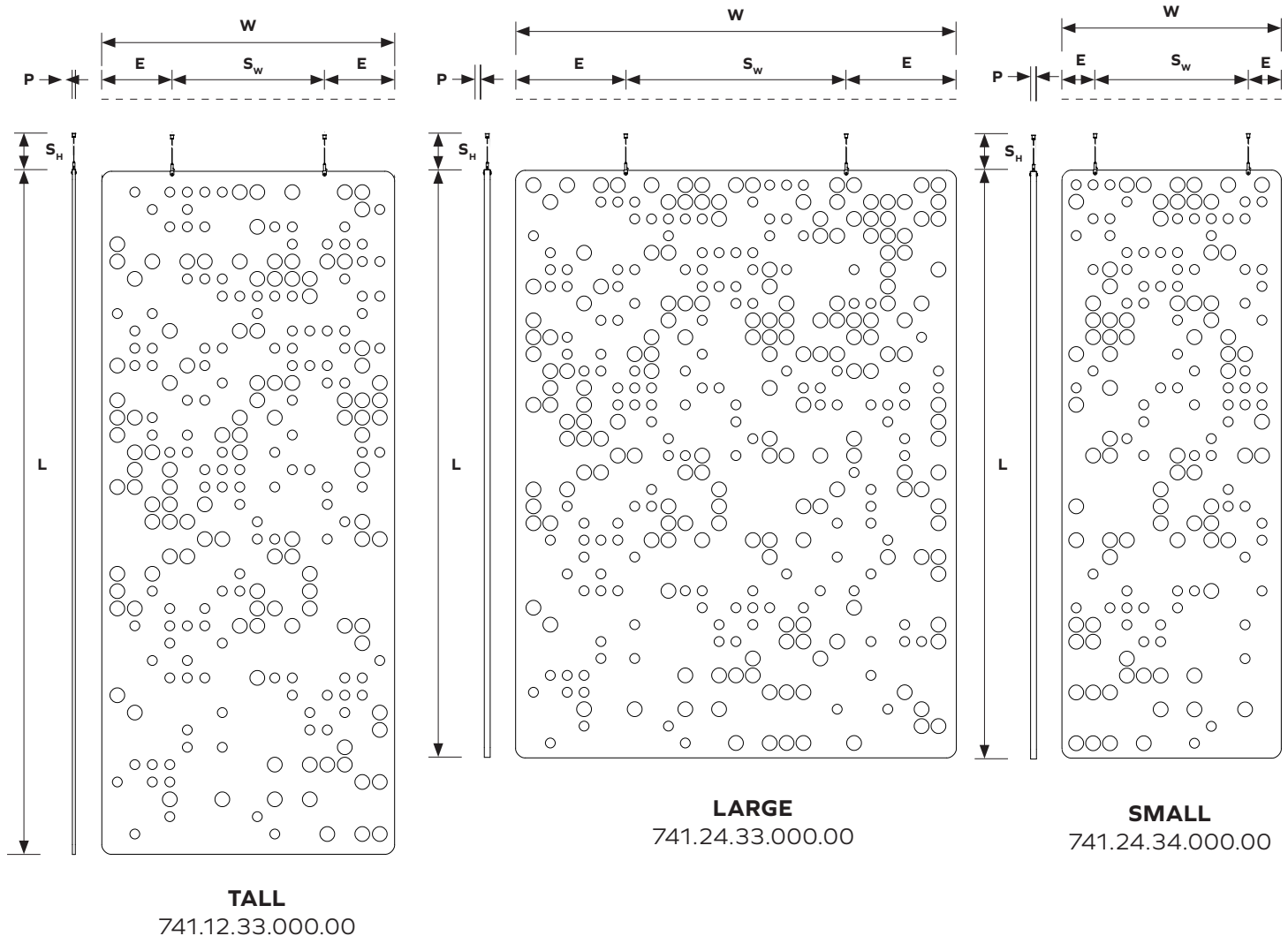
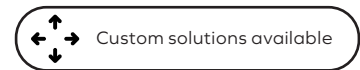
Geometry Information



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"
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"		

Braille Hanging Division

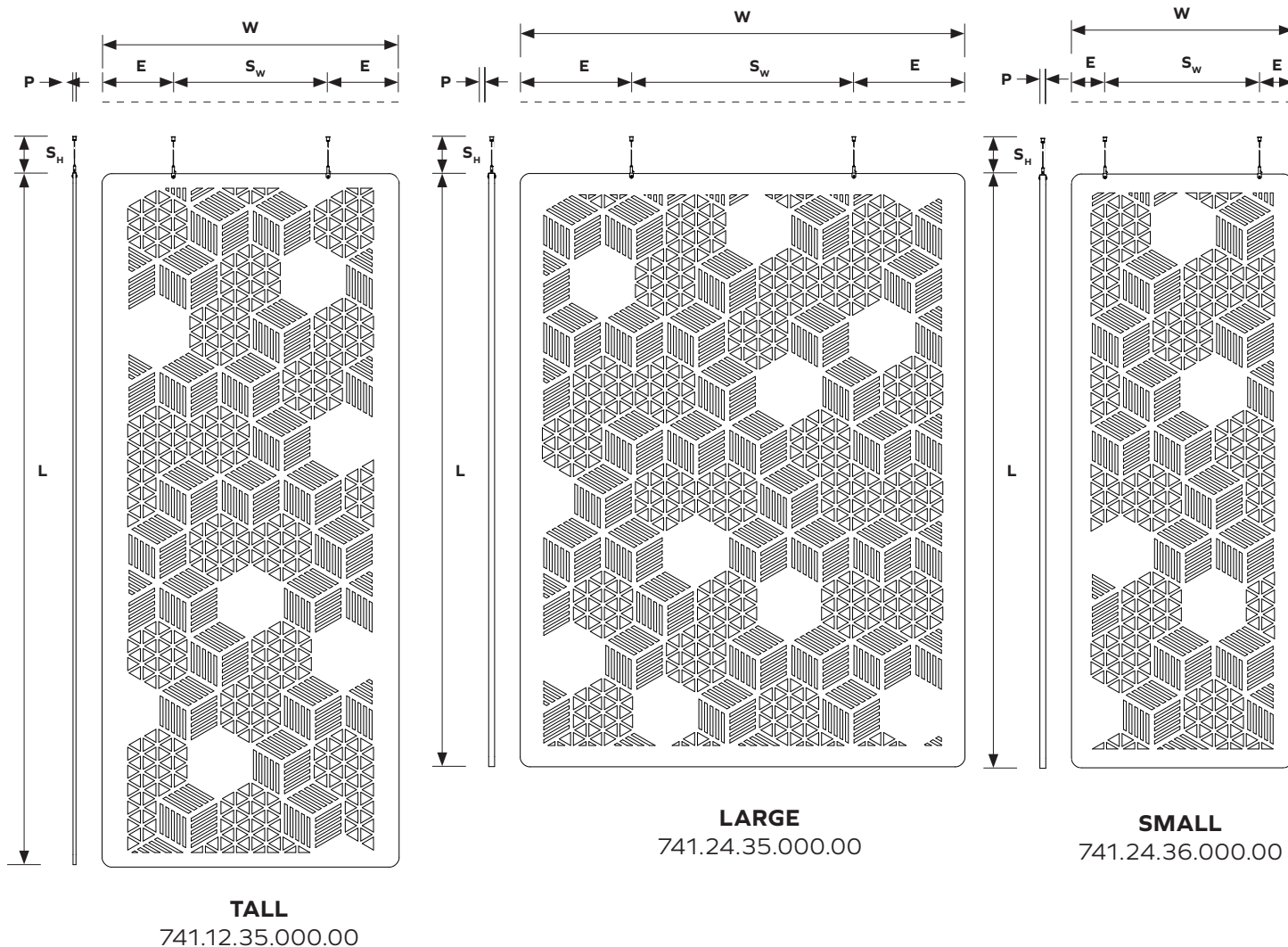
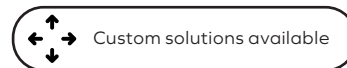
Geometry Information



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

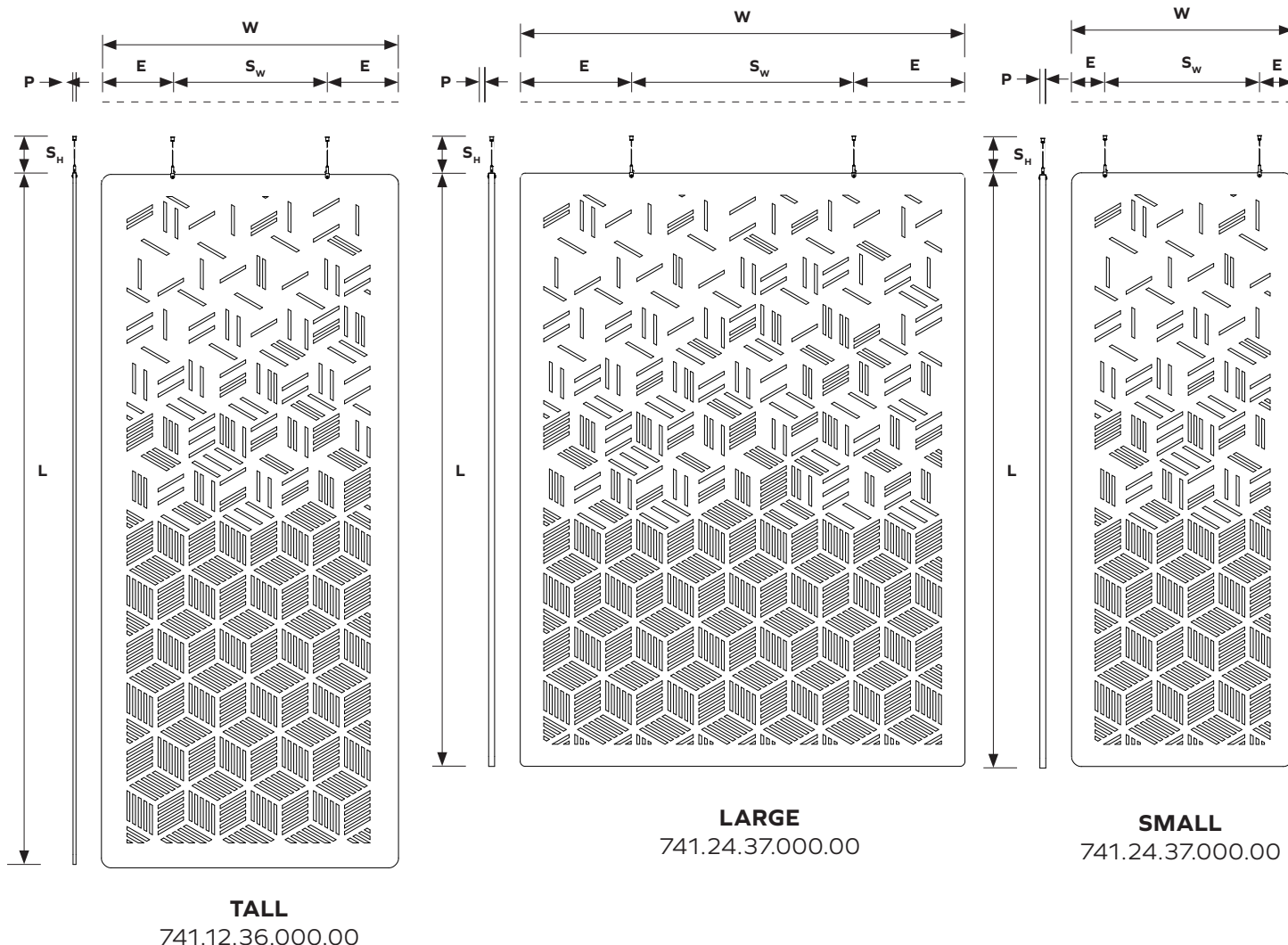
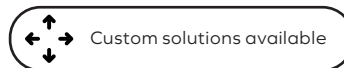
Geometry Information



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"
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"		

Kyvos Hanging Division

Geometry Information

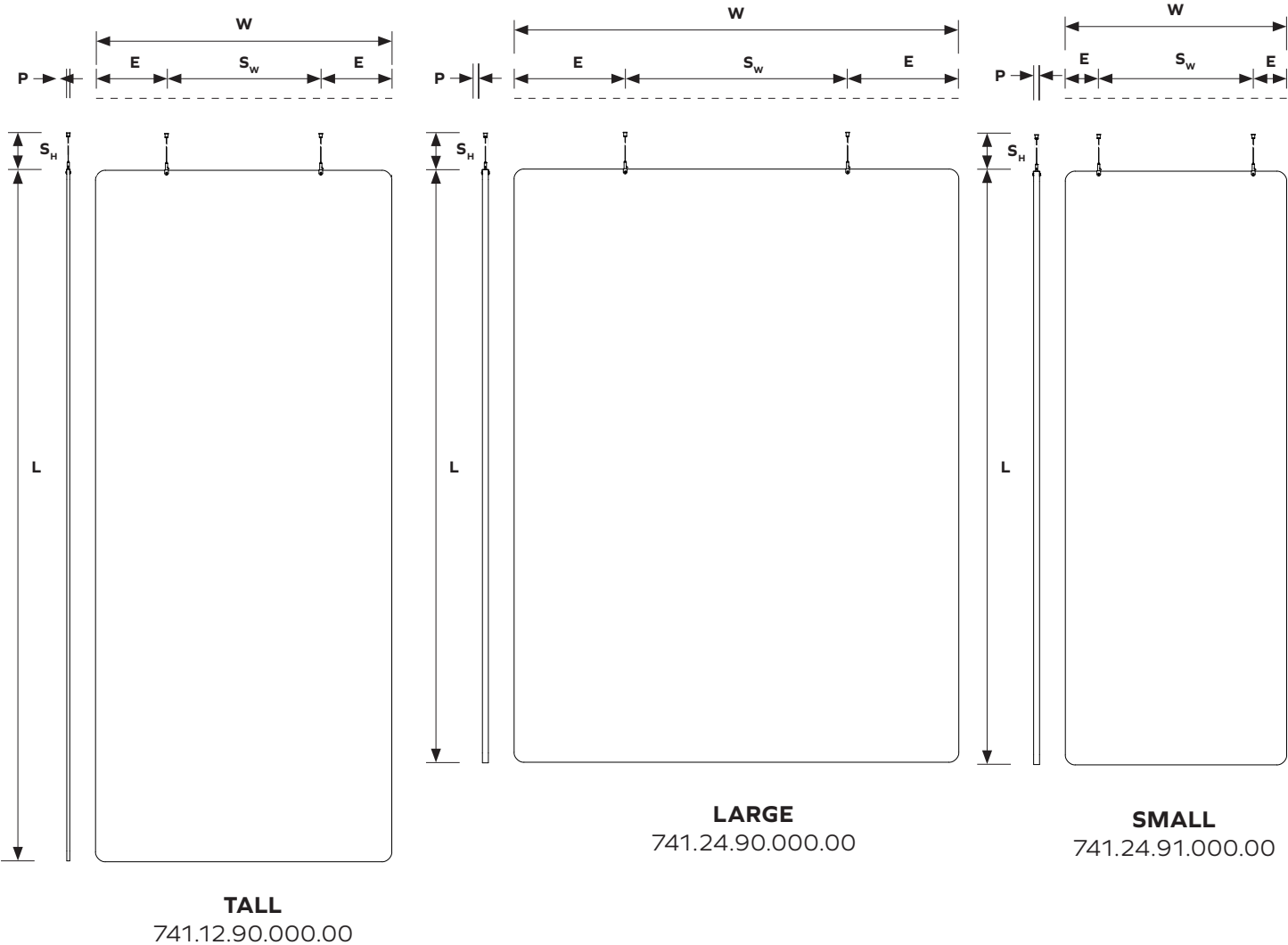


Dimensions		TALL 741.12.36.000.00	LARGE 741.24.36.000.00	SMALL 741.24.38.000.00
W	Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L	Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E	Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P	PET material thickness	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

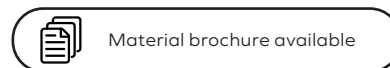
Geometry Information


Custom solutions available



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® Felt Colors



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

Name	Nordic Pine	Grove	Fern	Moss	Spearment	Ice Blue	Succulent	Deep Sea	True Navy
Code	311	317	180	439	706	304	712	918	194
NCS	S 5030-G10Y	S 7020-G30Y	S 6010-G90Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S 8005-B

Name	Lichen	Linen	Shell Pink	Jute	Warm Stone	Terracotta	Soft Coral	Honeycomb	Sunshine
Code	160	107	102	920	105	239	516	139	846
NCS	S 4005-Y	S 1505-Y30R	S 0510-R30B	S 3010-Y30R	S 3010-Y50R	S 4040-Y70R	S 2020-Y90R	S 2050-Y20R	S 1040-Y10R

Name	Garnet	Hot Pink	Poster Red	Electric Orange	Winter Sky	Pacific Ocean	Midnight	Grape	Marine Blue
Code	724	140	662	464	410	432	810	540	864
NCS	S 5040-R10B	S 2060-R20B	S 1080-R	S 0580-Y70R	S 2020-R90 B	S 3040-B	S 7020-R70B	S 5040-R40B	S 4050-R70B

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

ARCHISONIC®

Colors

Experience our ARCHISONIC® Felt material with a stunning selection of 36 colors across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colors harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Color 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)
Color Fastness	Class 6 ISO 105-B02:A1	
Color	36 colors (see Archisonic® Felt Color 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.	
Production Lead time³	21 days	
Fire Rating	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission	28 Days French Regulation A+ ASTM E84 Pass Breeam® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard Method V1.2) Pass	
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), 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



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.



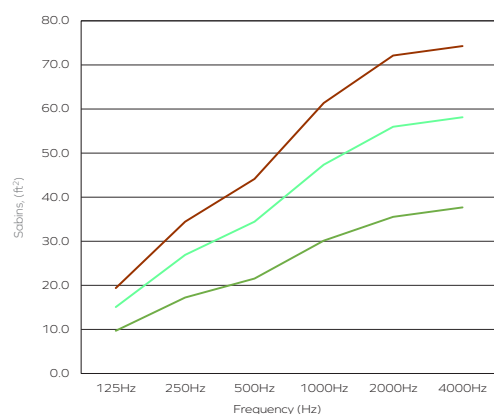
Testing Standards

ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests

Acoustic Test Results

	α_w	SAA	NRC
24mm Wall Panel 1800x2400mm (Plain)	0.55 (H)	0.57	0.55
24mm Wall Panel 1800x2400mm (Perforated pattern)	0.45 (H)	0.47	0.45
12mm Wall Panel 1200x2800mm (Plain)	0.4 (H)	0.39	0.40
12mm Wall Panel 1200x2800mm (Perforated pattern)	0.35 (H)	0.32	0.35

Measurement used Pink Noise as excitation signal in a reverberant room.

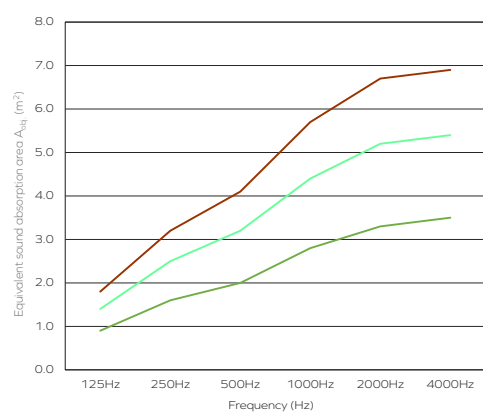


Acoustic Performance - ASTM Sabins, ft²

Frequency (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

The graph represents the Sabins (ft²) in the third octave band center frequencies.

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



Acoustic Performance - ISO A_{obj} , m²

Frequency (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

The graph represents the equivalent sound absorption per object (A_{obj}) in the third octave band center frequencies.

- 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



Spec sheets and
Installation Guide



Color families



Instruction
videos



Associated
products specs.

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill 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.



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consultant

Quote¹

48 h



Order Confirmation

Production¹

2 - 3 weeks



Dispatch

Transit

location based



Delivery

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connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

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Hanging Division rev.01 - 18.12.24

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