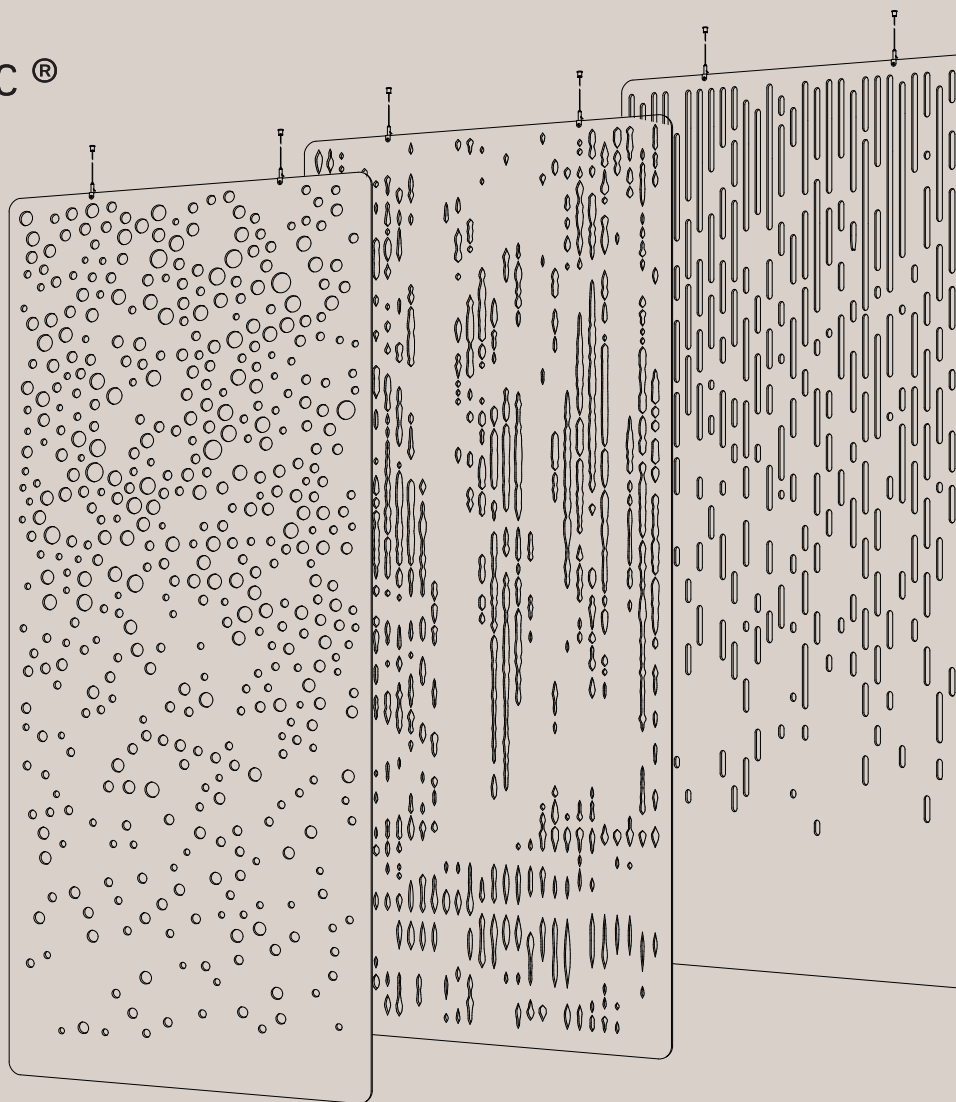


IMPACT ACOUSTIC®



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

Hanging Division

General Information



Data

Applicable article numbers

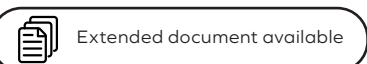
741.12.13-38.000.00	741.12.90-91.000.00
741.24.13-38.000.00	741.24.90-91.000.00

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 32 colors
Suspension Kit	Stainless steel

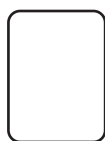


Weight²

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
2 years³



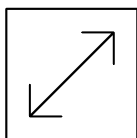
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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.

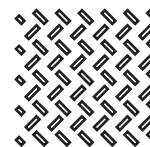
1 Specify your product:



Size



Color



Pattern

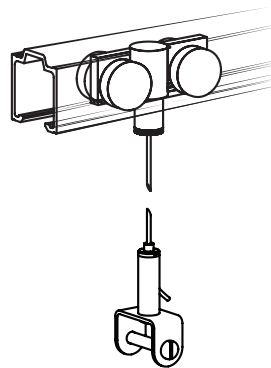
2 Verify installation method:



Suspension Kit
12mm



Suspension Kit
24mm



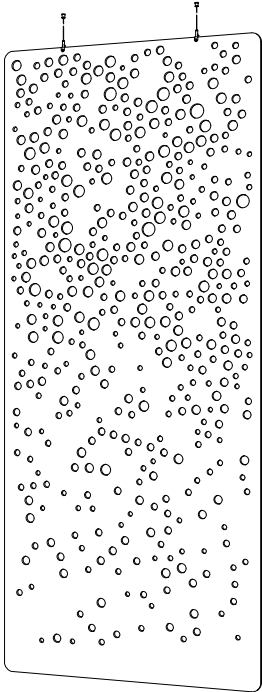
Curtain Slider
12mm and 24mm

Hanging Division

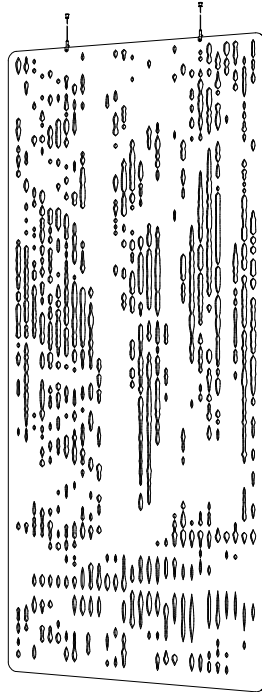
Available Perforations

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

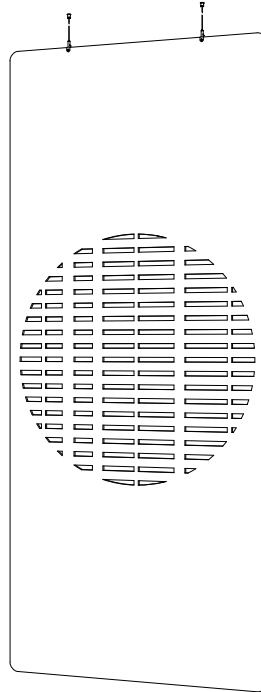
741.12.13.000.00



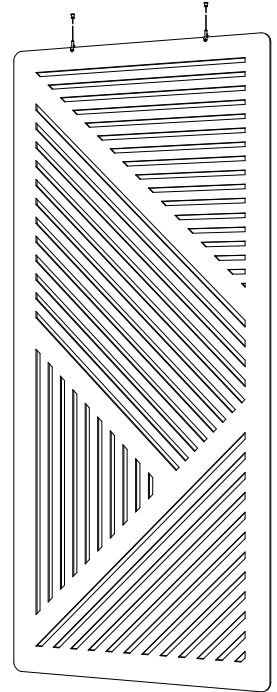
741.12.15.000.00



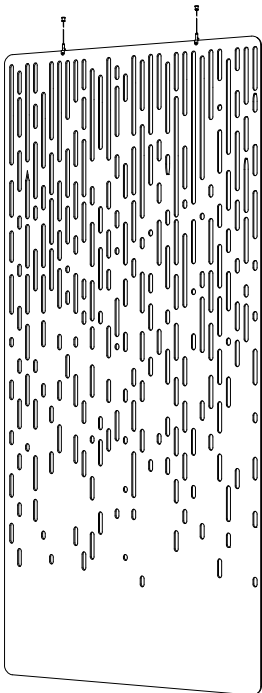
741.12.17.000.00



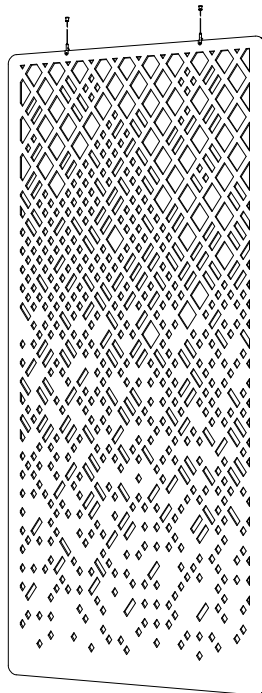
741.12.19.000.00



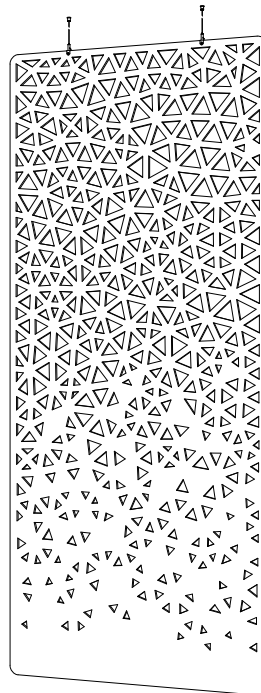
741.12.21.000.00



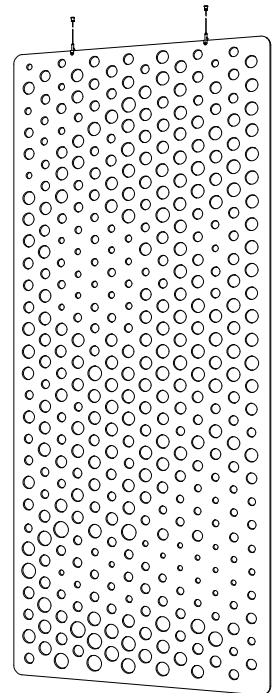
741.12.23.000.00



741.12.25.000.00



741.12.27.000.00

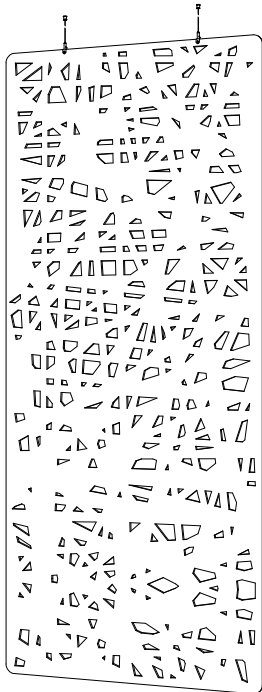


Hanging Division

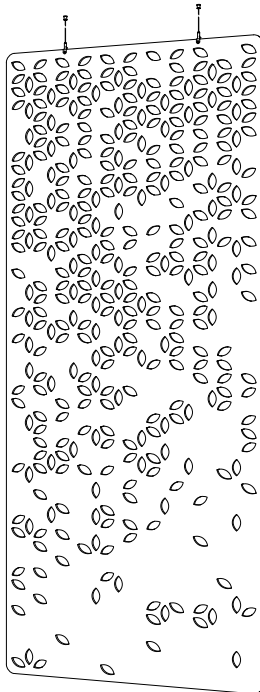
Available Perforations

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

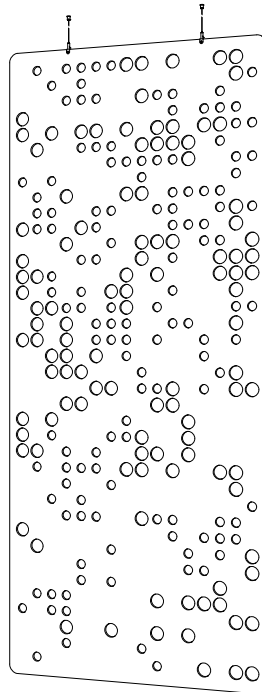
741.12.29.000.00



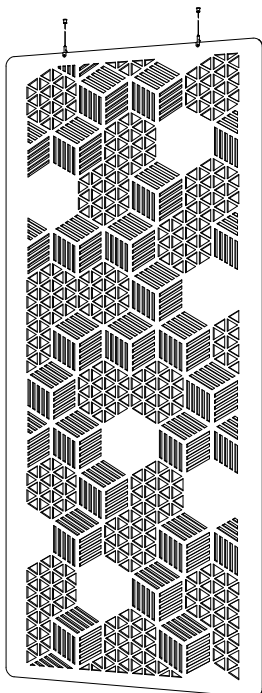
741.12.31.000.00



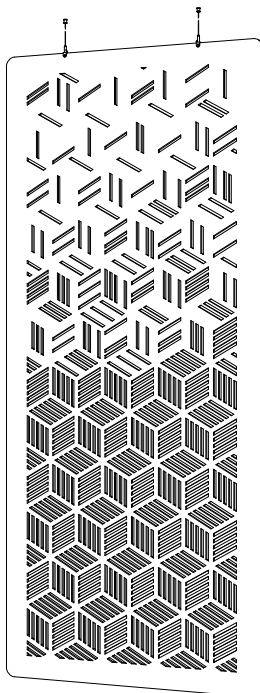
741.12.33.000.00



741.12.35.000.00



741.12.36.000.00



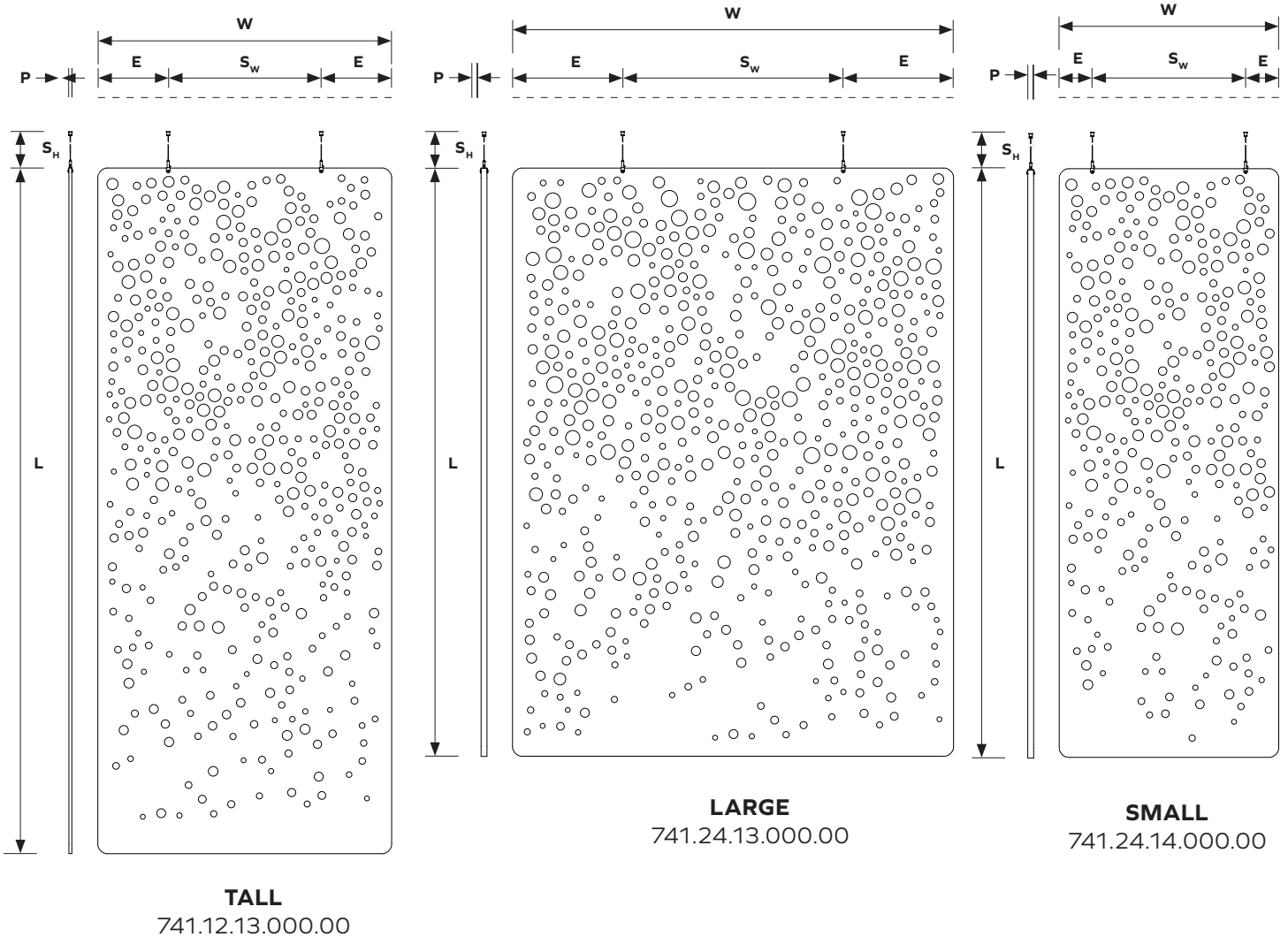
741.12.90.000.00



Bubbles Hanging Division

Geometry Information

Custom solutions available

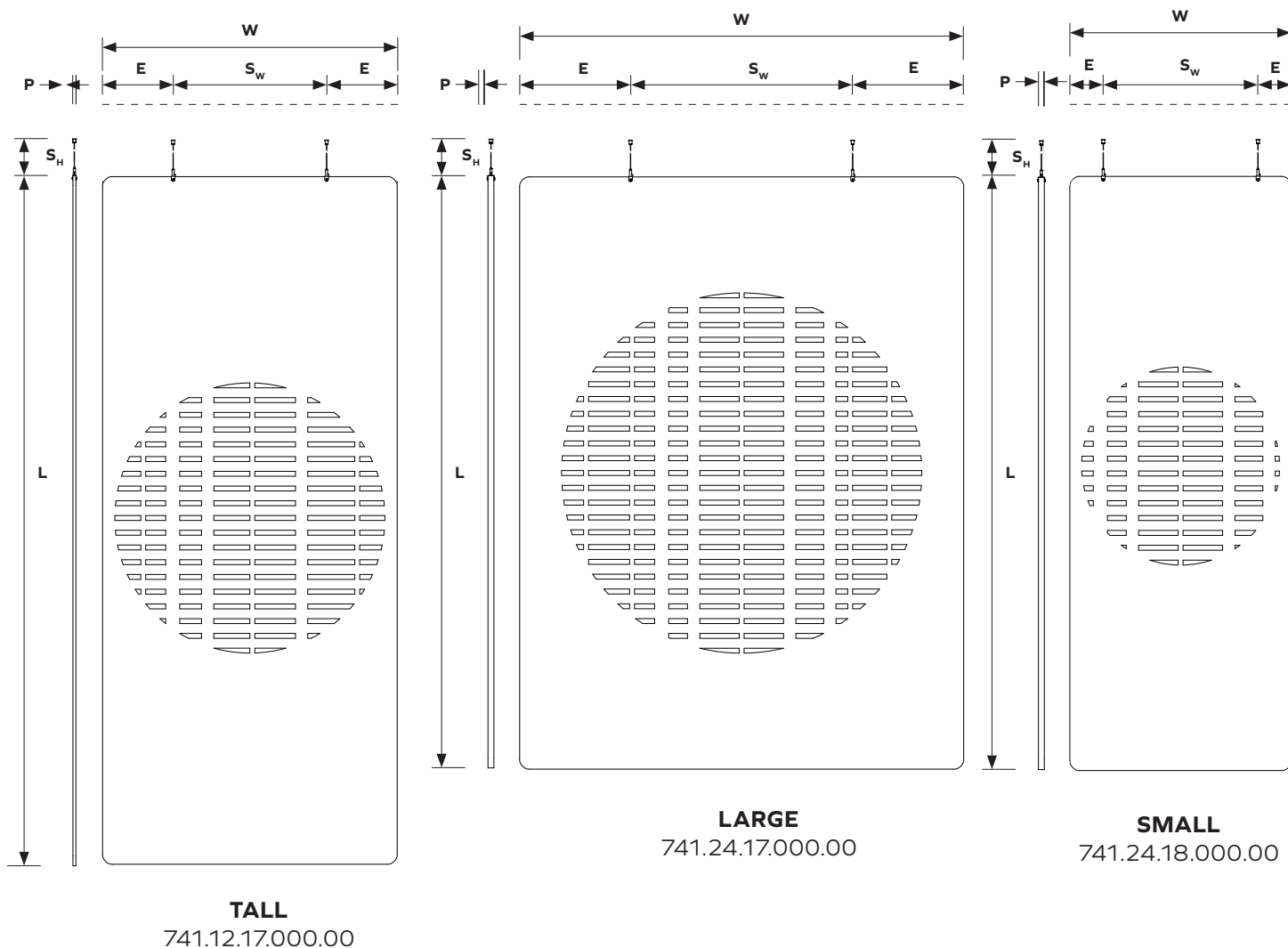


Dimensions	TALL 741.12.13.000.00	LARGE 741.24.13.000.00	SMALL 741.24.14.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Illum Hanging Division

Geometry Information

Custom solutions available

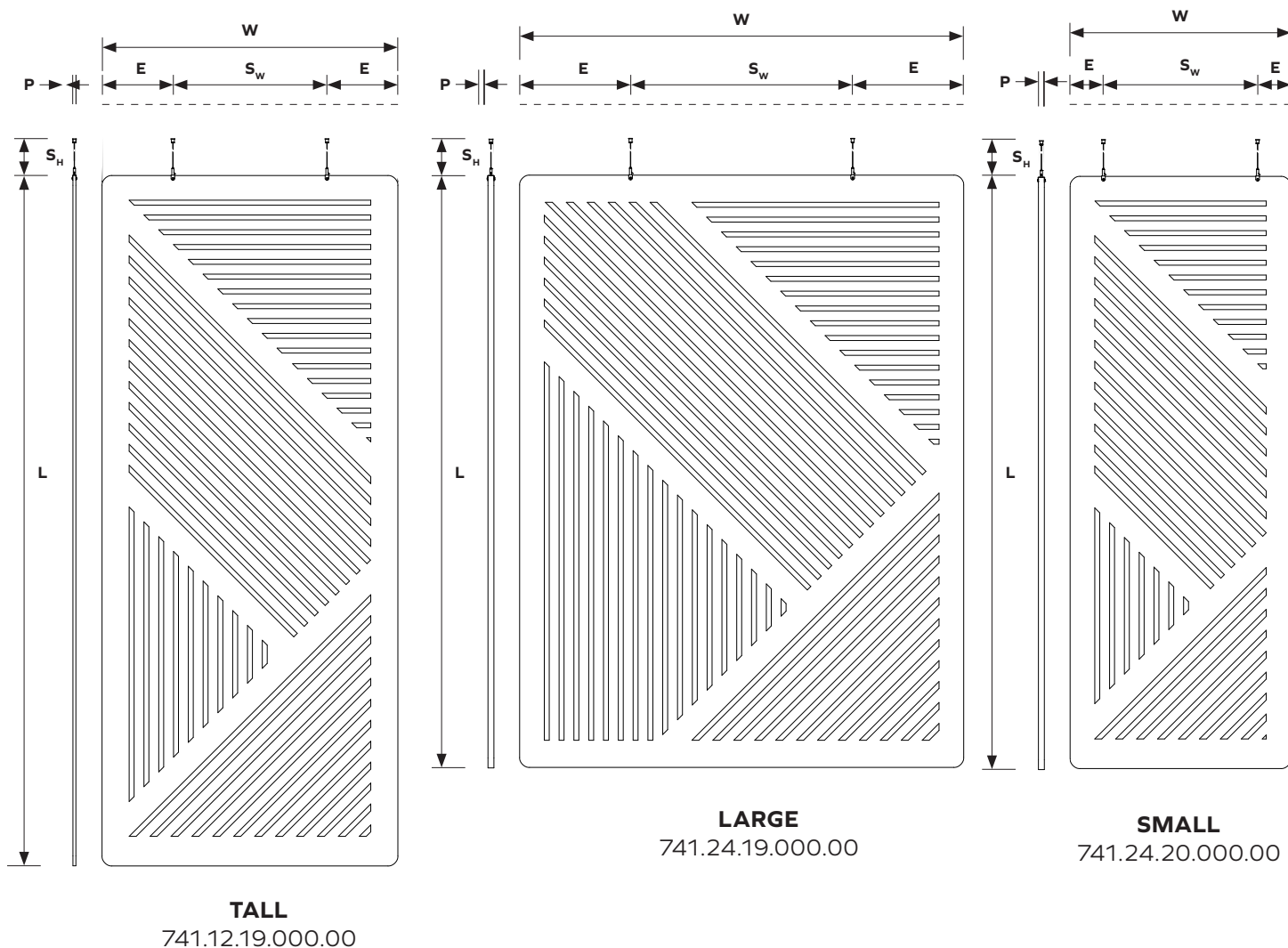


Dimensions	TALL 741.12.17.000.00	LARGE 741.24.17.000.00	SMALL 741.24.18.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Linea Hanging Division

Geometry Information

Custom solutions available

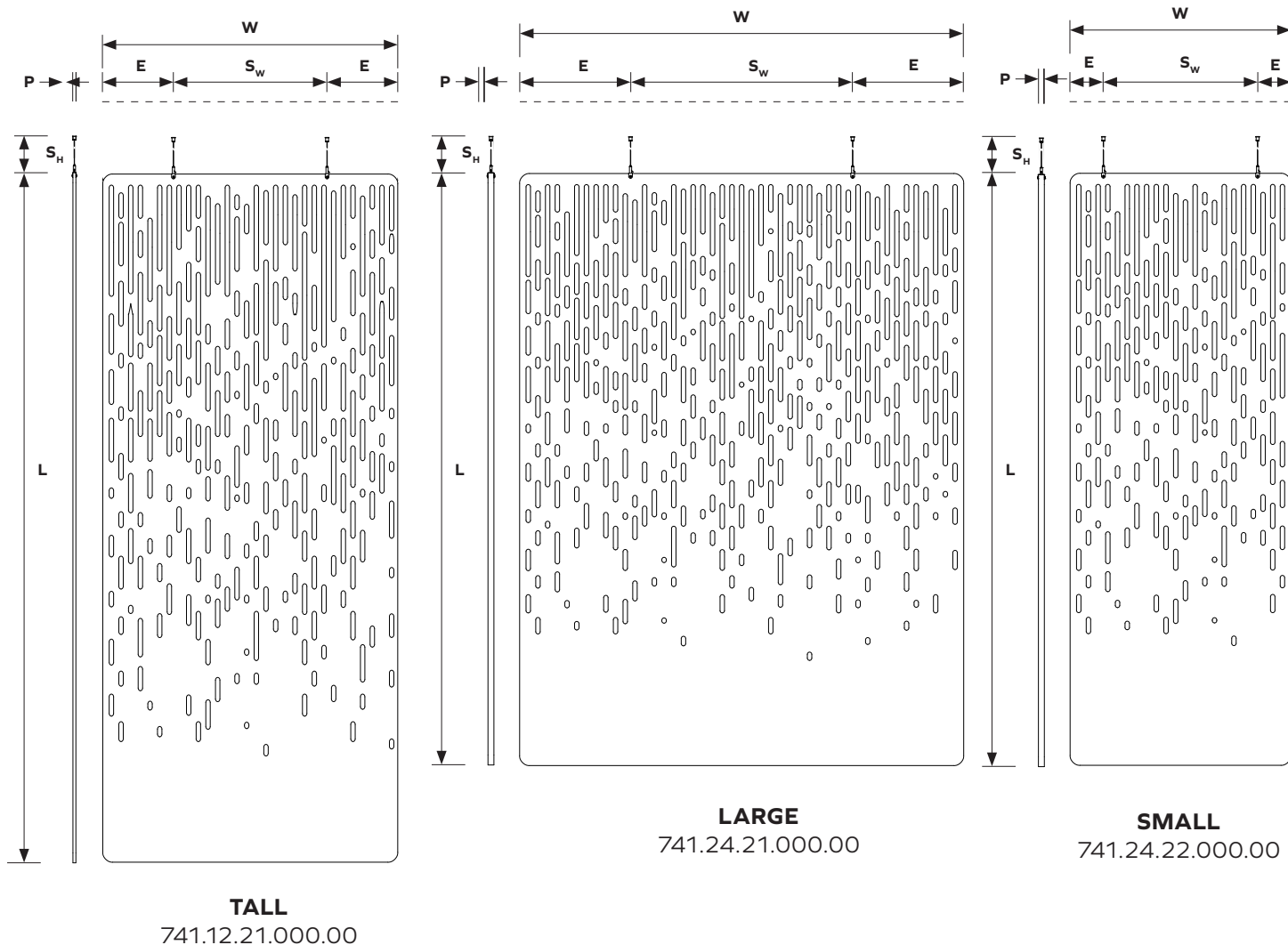


Dimensions	TALL 741.12.19.000.00	LARGE 741.24.19.000.00	SMALL 741.24.20.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 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

Custom solutions available

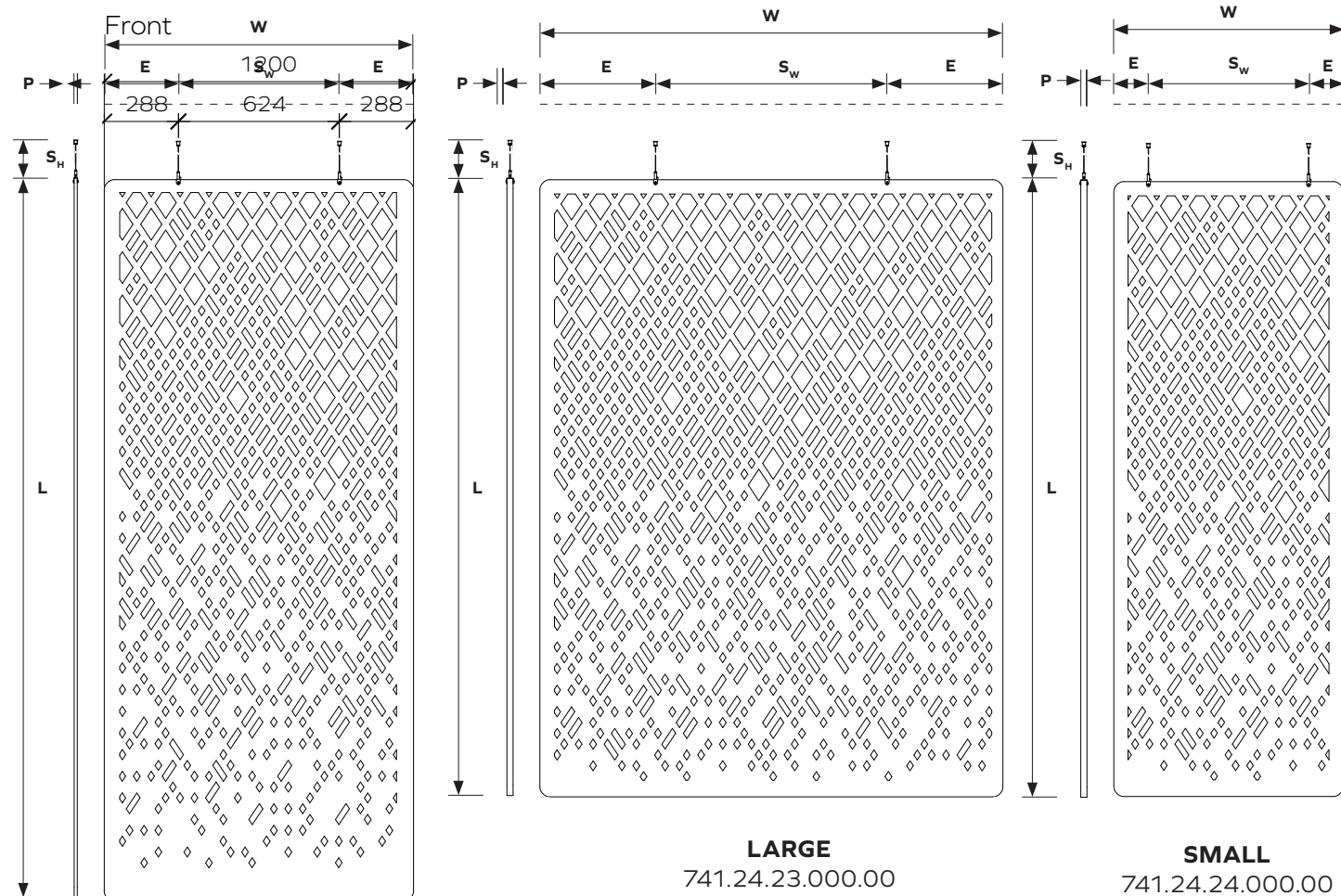


Dimensions	TALL 741.12.21.000.00	LARGE 741.24.21.000.00	SMALL 741.24.22.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Tunica Hanging Division

Geometry Information

Custom solutions available



TALL
741.12.23.000.00

LARGE
741.24.23.000.00

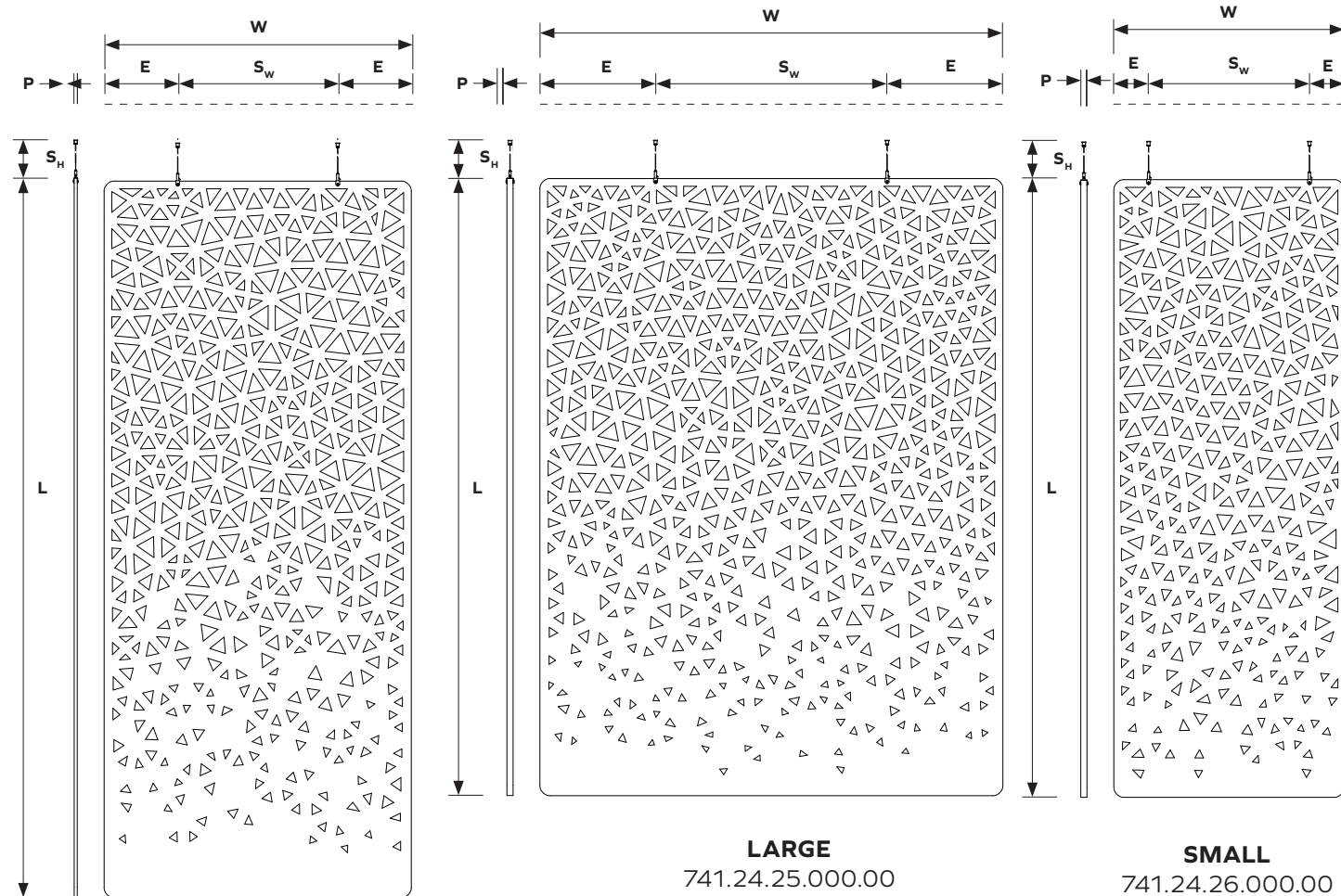
SMALL
741.24.24.000.00

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

Custom solutions available

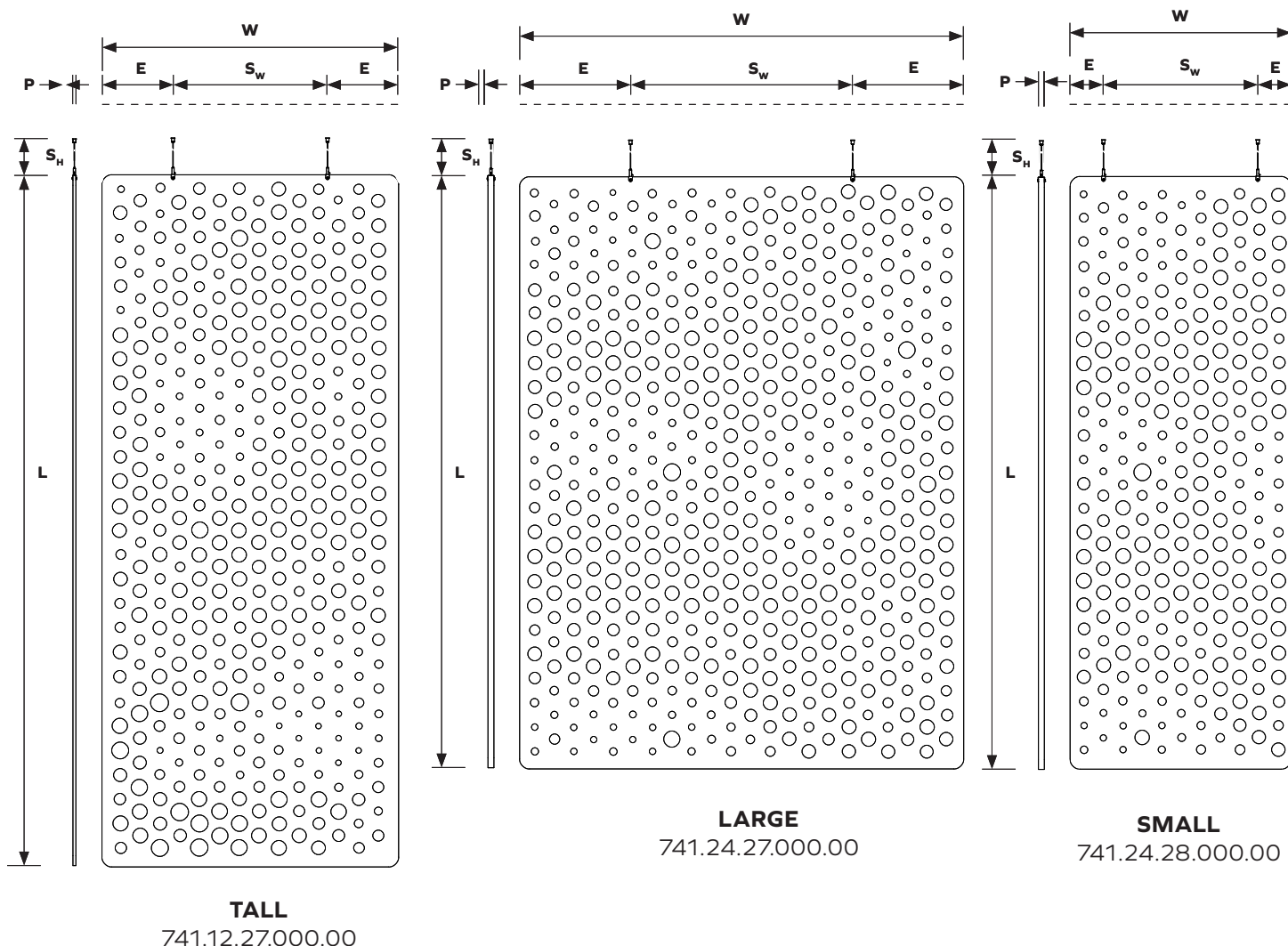


Dimensions	TALL 741.12.25.000.00	LARGE 741.24.25.000.00	SMALL 741.24.26.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Gradient Hanging Division

Geometry Information

Custom solutions available

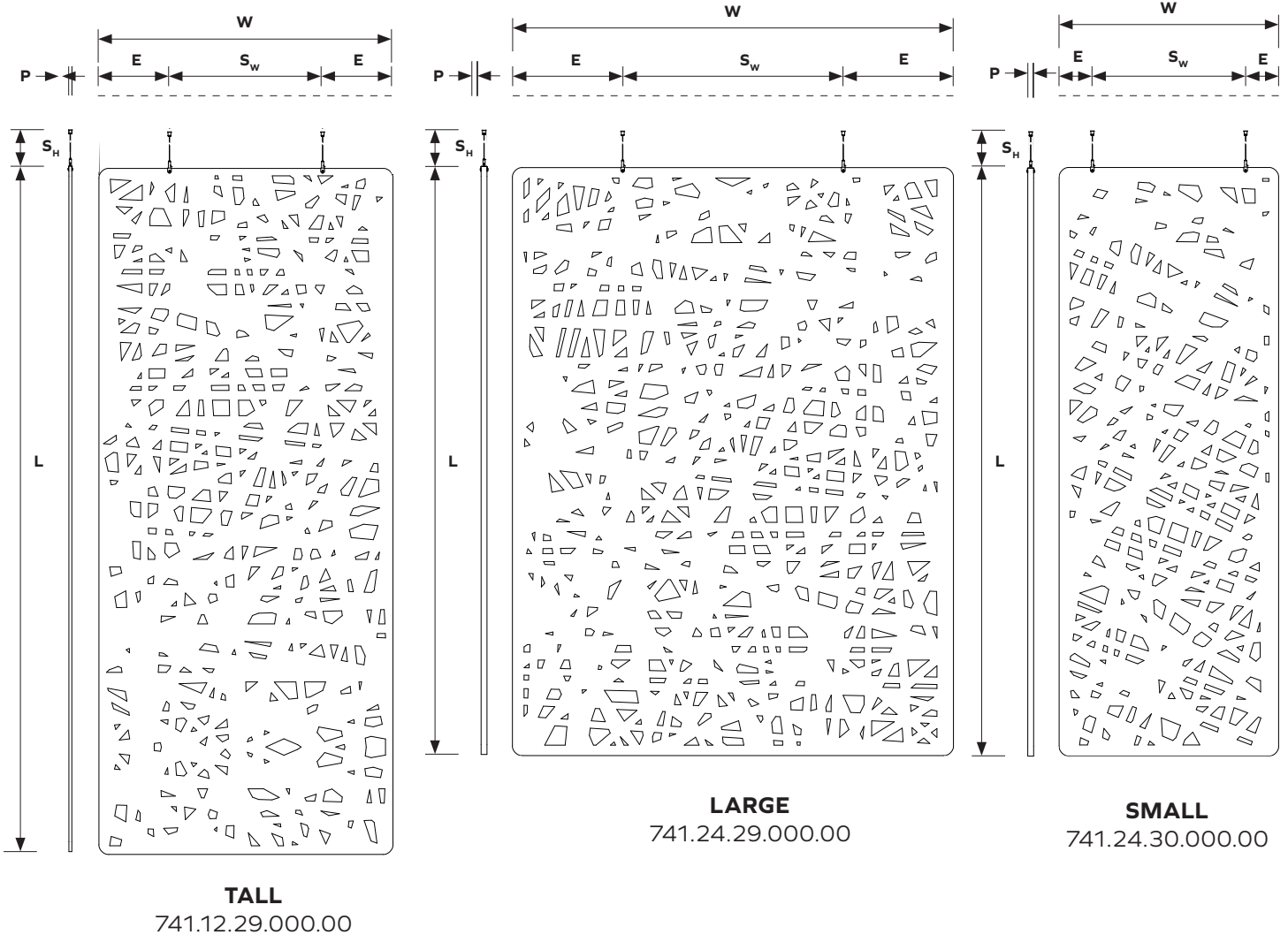


Dimensions	TALL 741.12.27.000.00	LARGE 741.24.27.000.00	SMALL 741.24.28.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Rays Hanging Division

Geometry Information

Custom solutions available

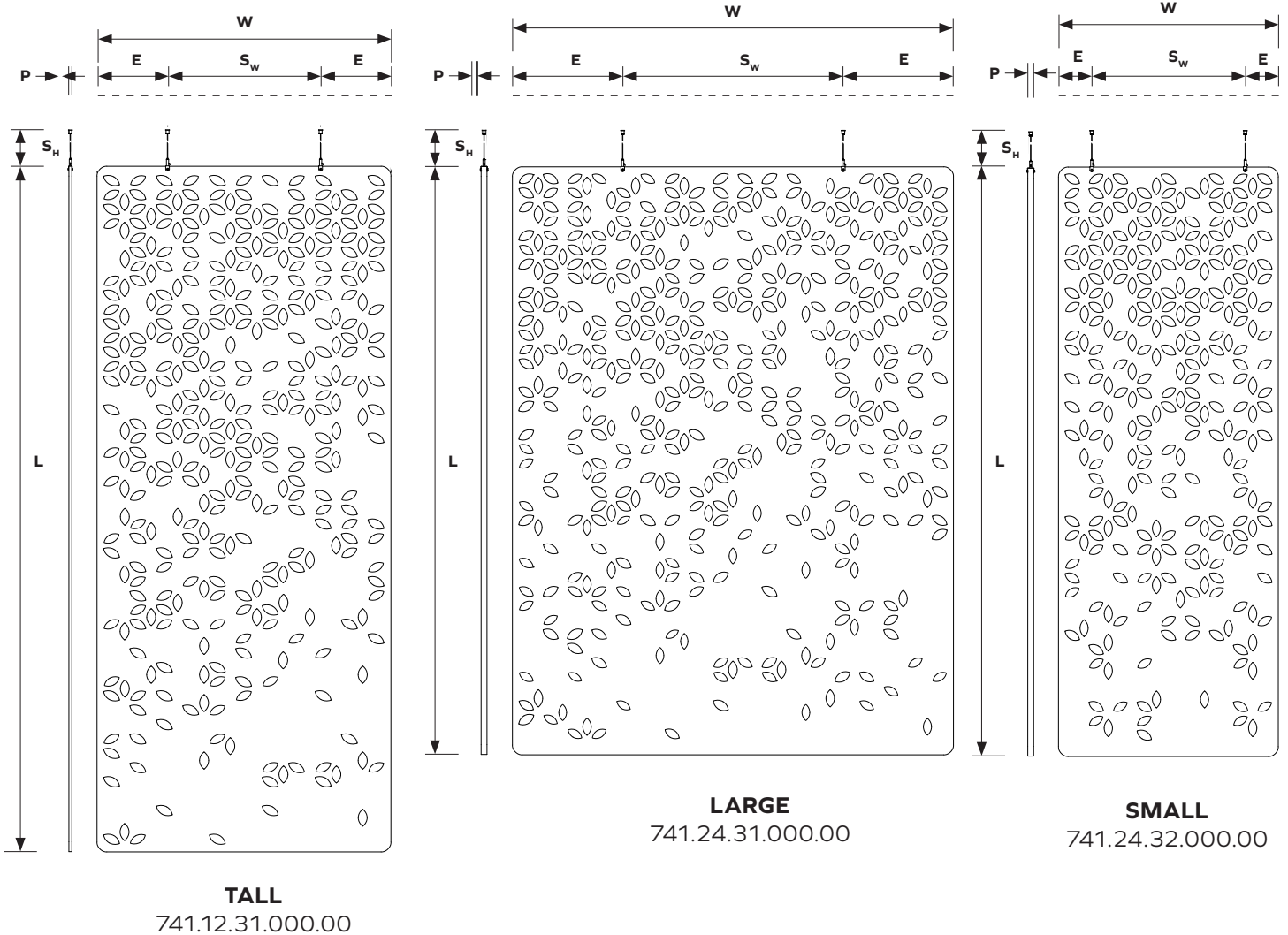


Dimensions	TALL	LARGE	SMALL
	741.12.29.000.00	741.24.29.000.00	741.24.30.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

CroSe Hanging Division

Geometry Information

Custom solutions available

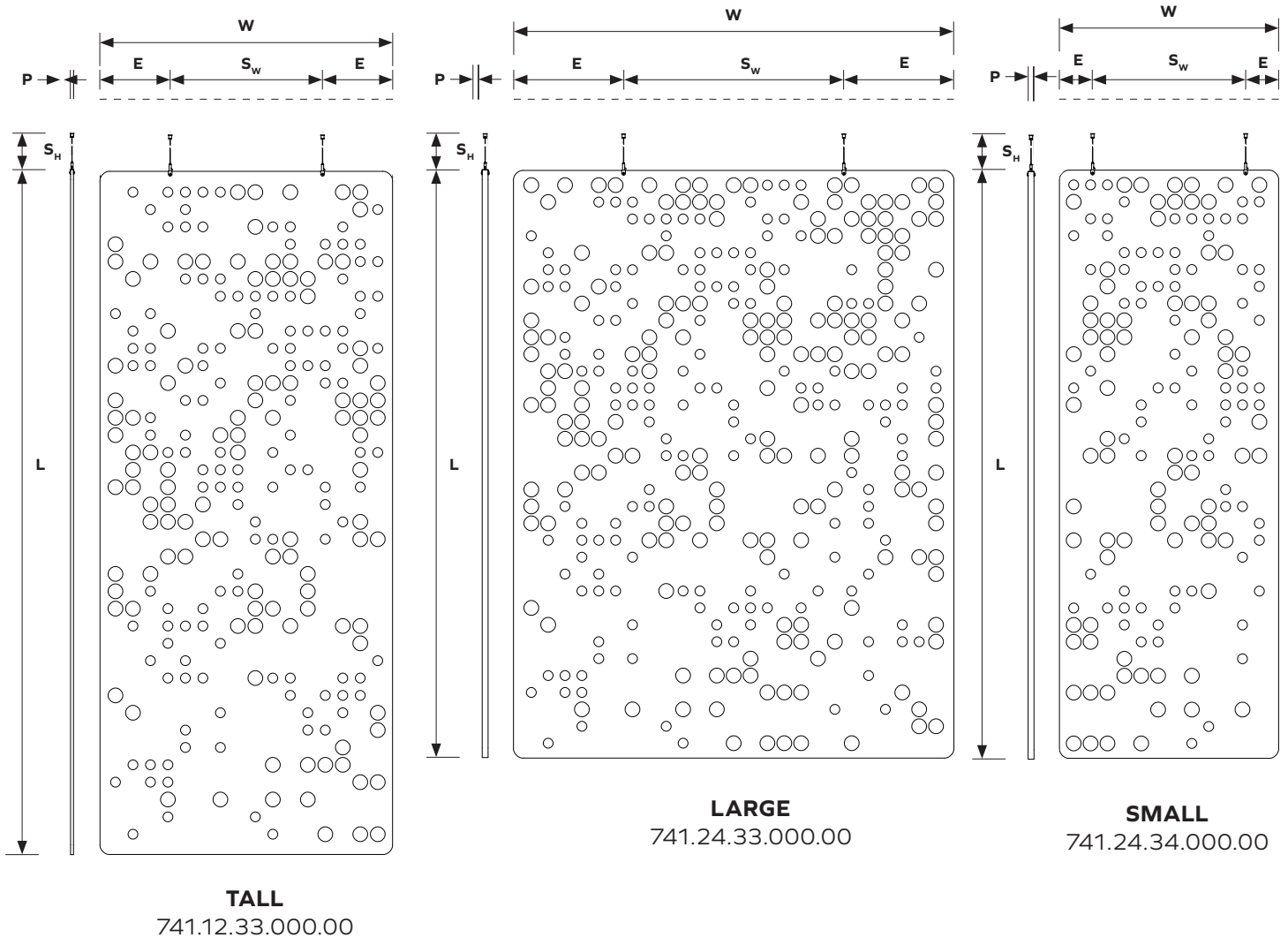


Dimensions	TALL 741.12.31.000.00	LARGE 741.24.31.000.00	SMALL 741.24.32.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 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

Custom solutions available

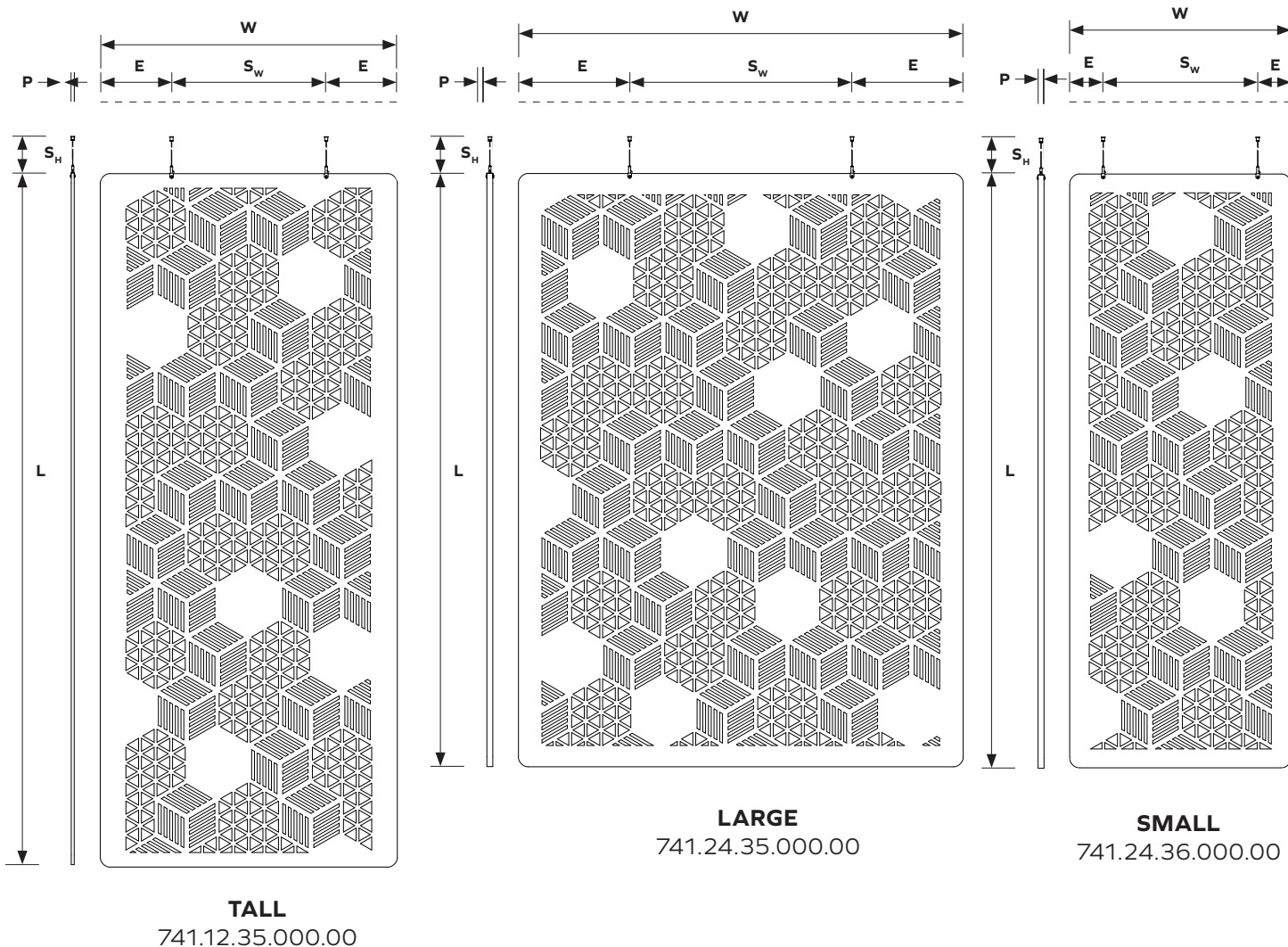


Dimensions	TALL 741.12.33.000.00	LARGE 741.24.33.000.00	SMALL 741.24.34.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 mm / 0.47"	24 mm / 0.94"	24 mm / 0.94"
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"		

Ornella Hanging Division

Geometry Information

Custom solutions available

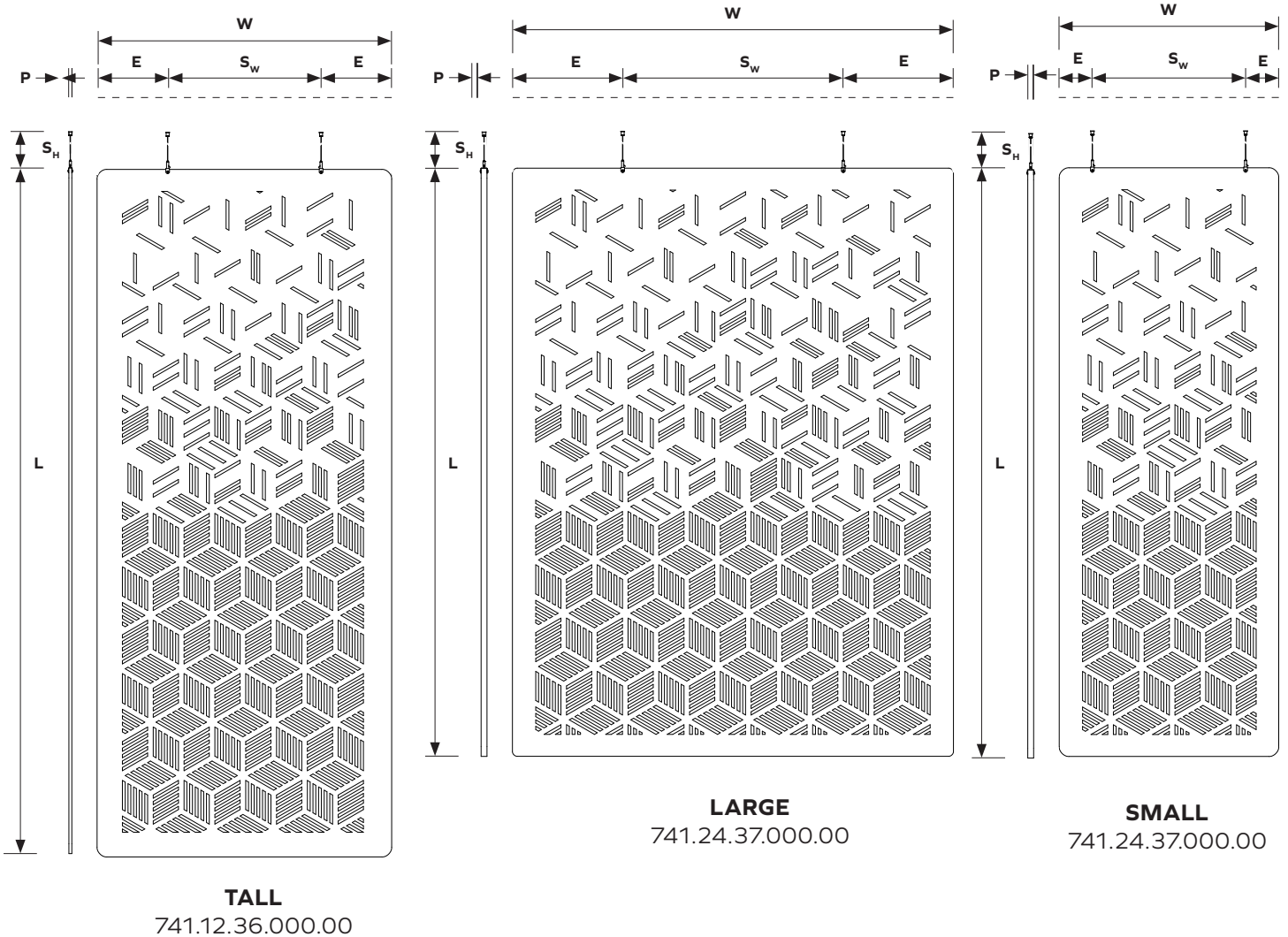


Dimensions	TALL 741.12.35.000.00	LARGE 741.24.35.000.00	SMALL 741.24.36.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12 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

Custom solutions available

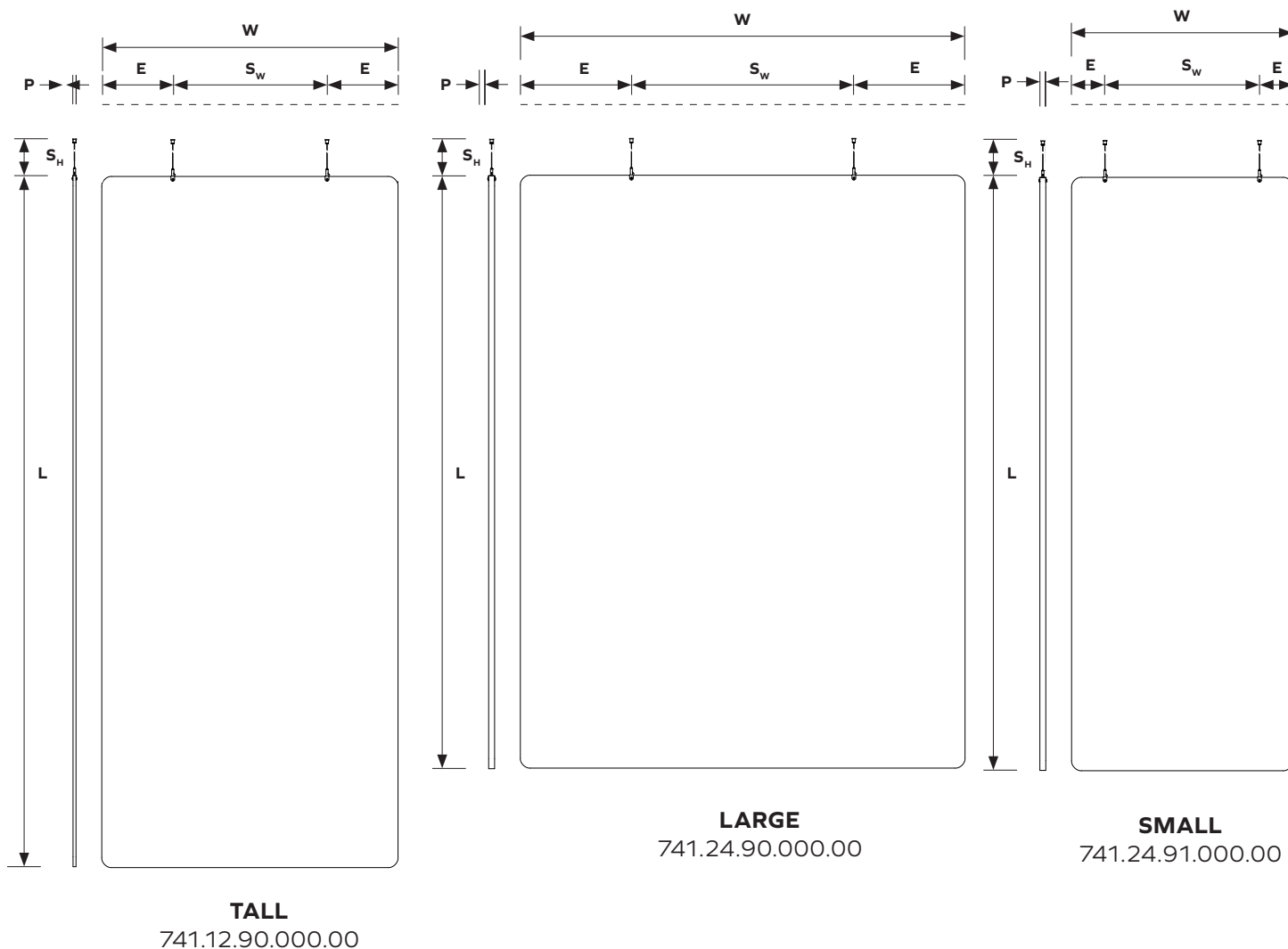


Dimensions	TALL	LARGE	SMALL
	741.12.36.000.00	741.24.36.000.00	741.24.38.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness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

ARCHISONIC®

Colors

 Material brochure available



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



Name	Nordic Pine	Grove	Moss	Spearmint	Ice Blue	Succulent	Deep Sea	Marine Blue
Color Code	311	317	439	706	304	712	918	864
NCS Code	S 5030-G10Y	S 7020-G30Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S 4050-R70B



Name	Linen	Shell Pink	Jute	Warm Stone	Terracotta	Soft Coral	Honeycomb	Sunshine
Color Code	107	102	920	105	239	516	139	846
NCS Code	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
Color Code	724	140	662	464	311	432	810	540
NCS Code	S 5040-R10B	S 2060-R20B	S 1080-R	S 0580-Y70R	S 5030-G10Y	S 3040-B	S 7020-R70B	S 5040-R40B

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 32 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	32 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.	
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 Bream® (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



Declare.



Hanging Division

Acoustic Performance

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



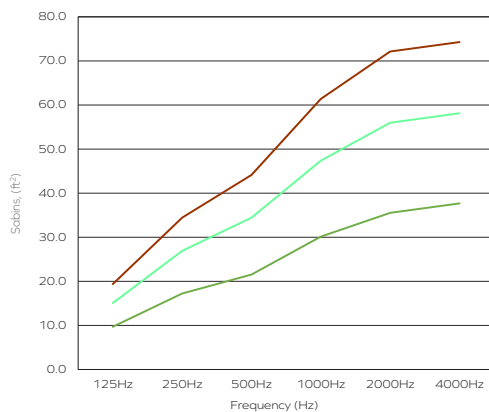
Testing Standards

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.

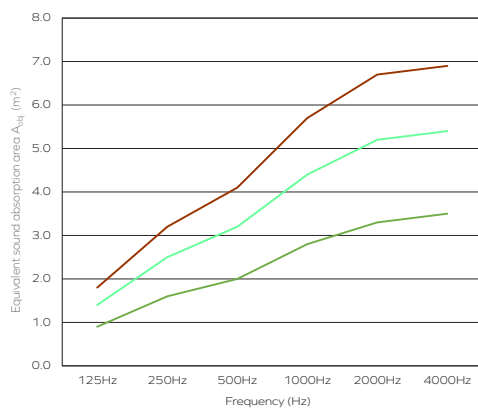


Acoustic Performance - ASTM Sabins, ft²

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

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Online Resources

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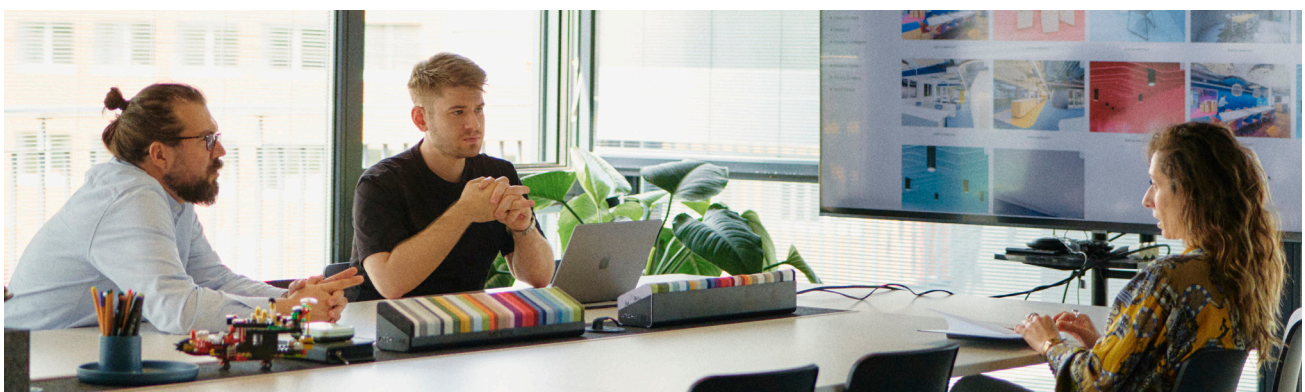
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