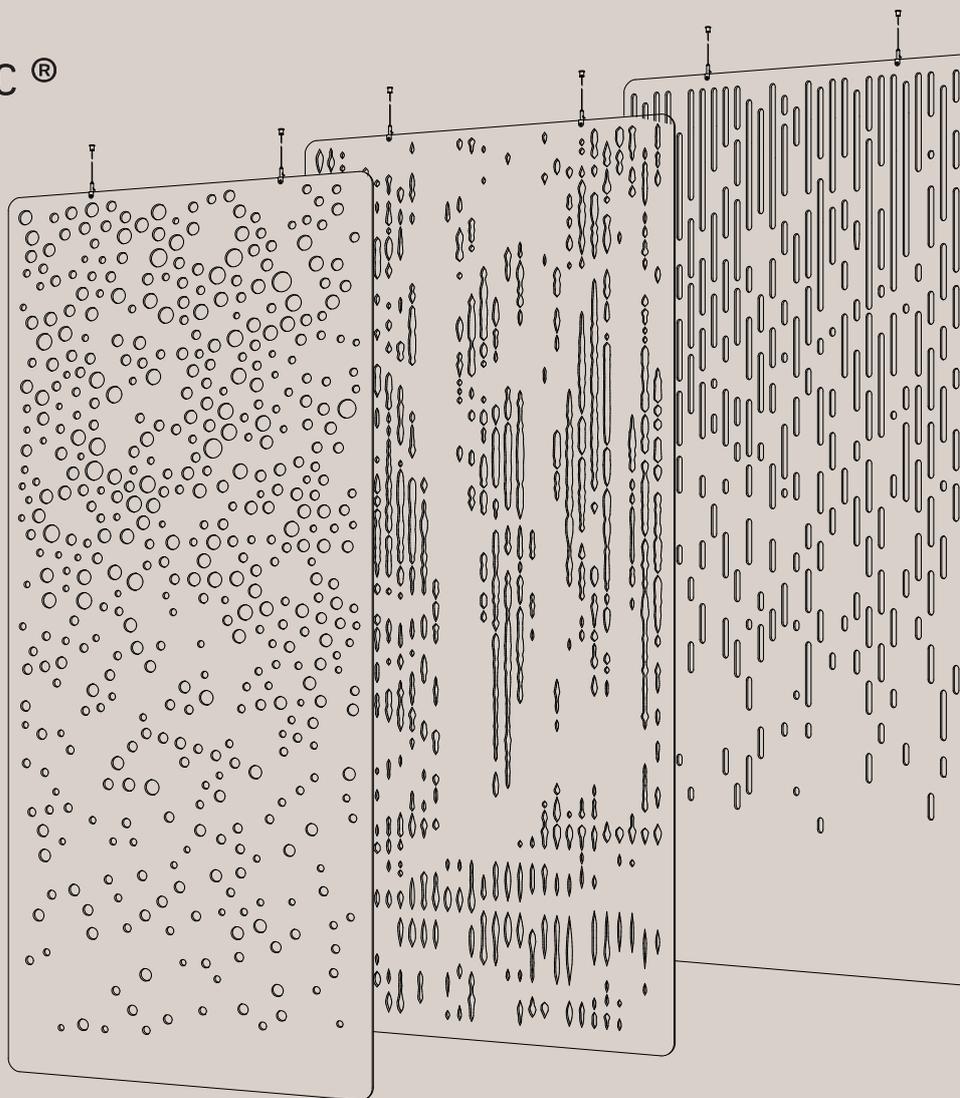


IMPACT ACOUSTIC®



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



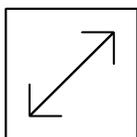
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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.

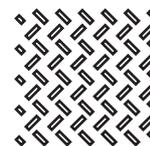
1 Specify your product:



Size



Colour



Pattern

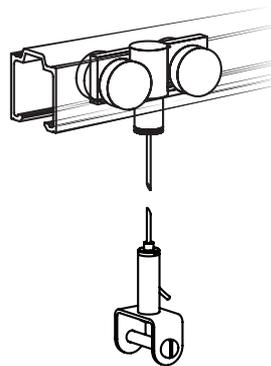
2 Verify installation method:



Suspension Kit
12mm



Suspension Kit
24mm



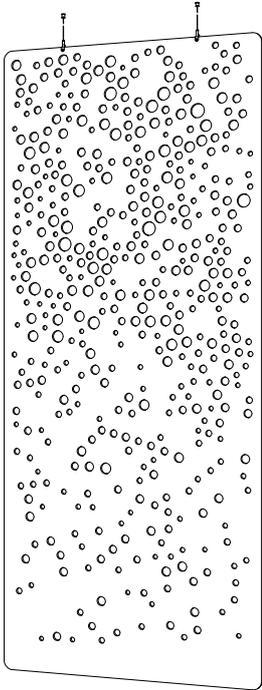
Curtain Slider
12mm and 24mm

Hanging Division

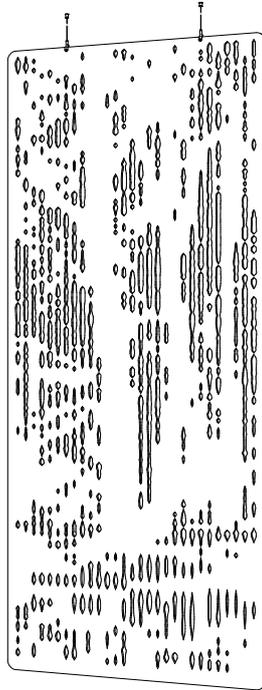
Available Perforations

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

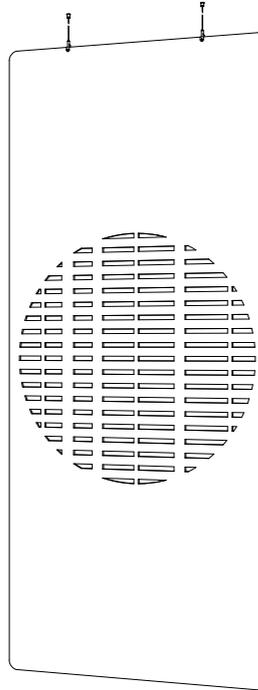
741.12.13.000.00



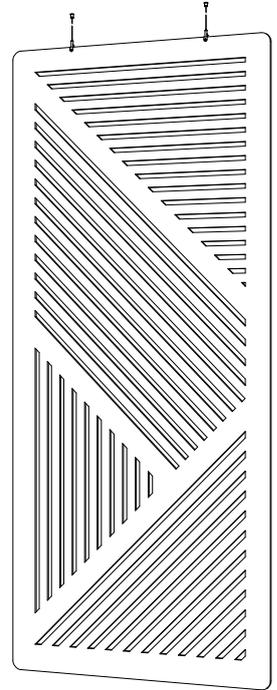
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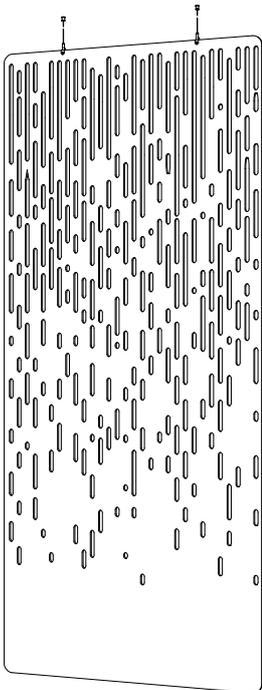
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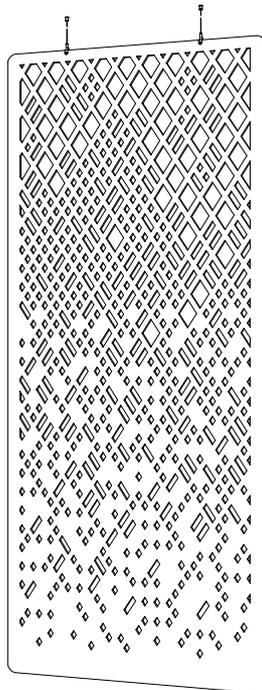
741.12.19.000.00



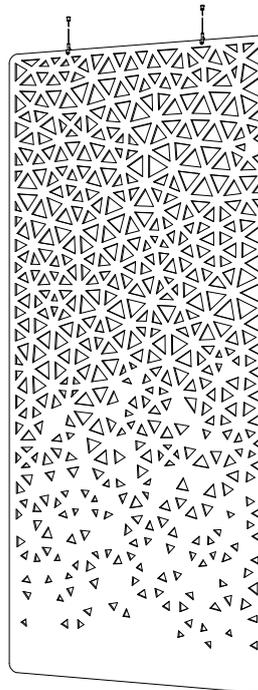
741.12.21.000.00



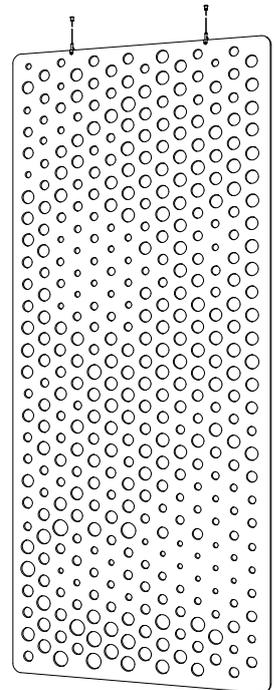
741.12.23.000.00



741.12.25.000.00



741.12.27.000.00

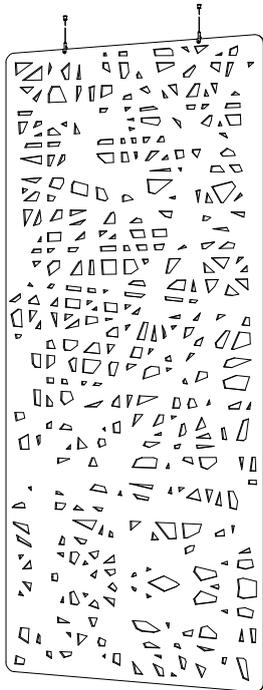


Hanging Division

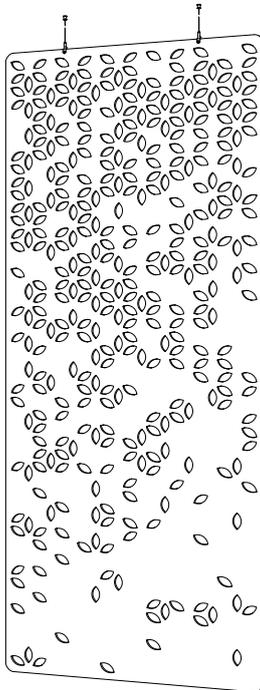
Available Perforations

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

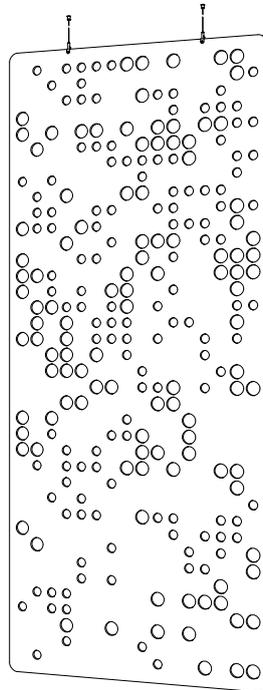
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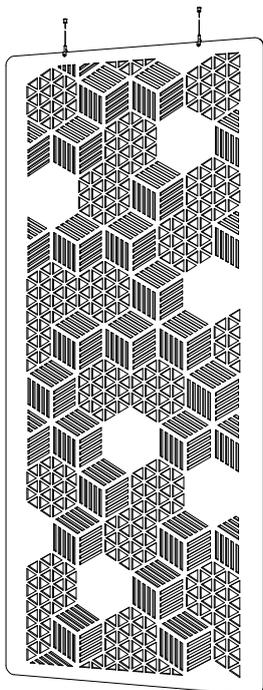
741.12.31.000.00



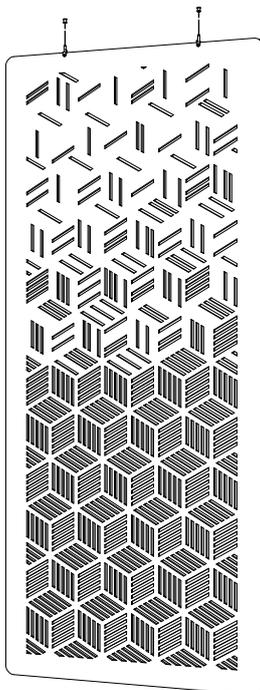
741.12.33.000.00



741.12.35.000.00



741.12.36.000.00



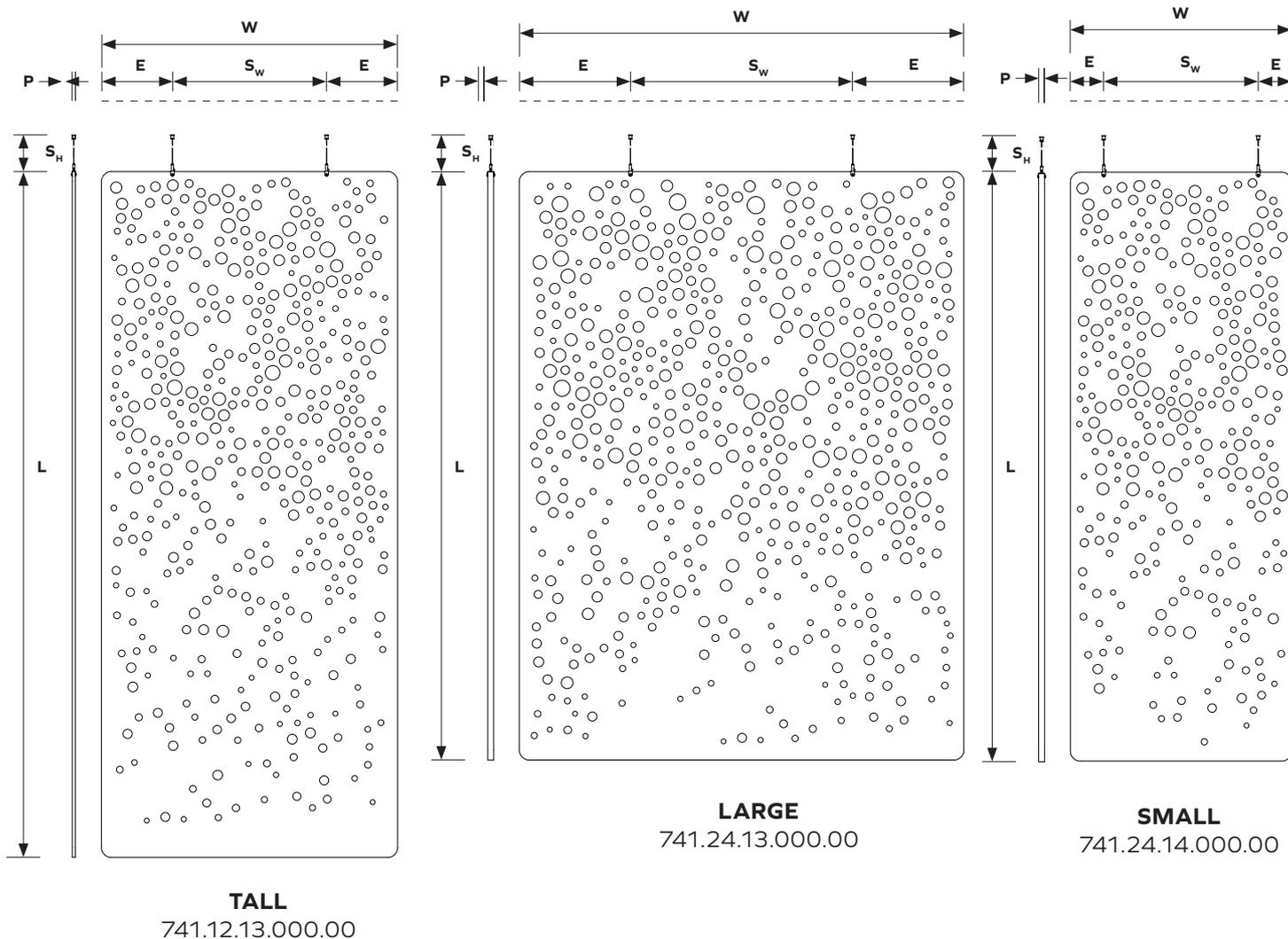
741.12.90.000.00



Bubbles Hanging Division

Geometry Information

Custom solutions available

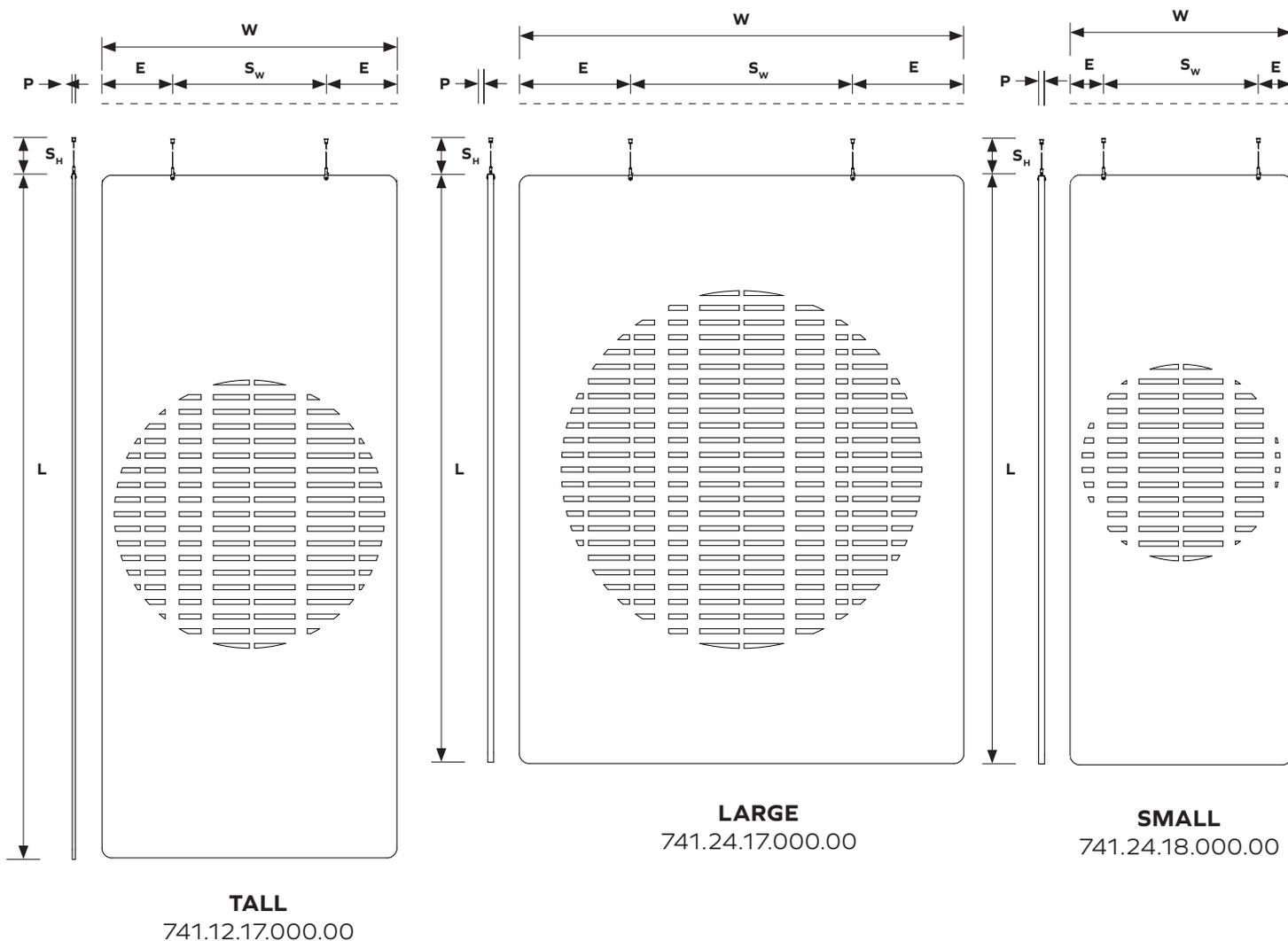


Dimensions	TALL 741.12.13.000.00	LARGE 741.24.13.000.00	SMALL 741.24.14.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

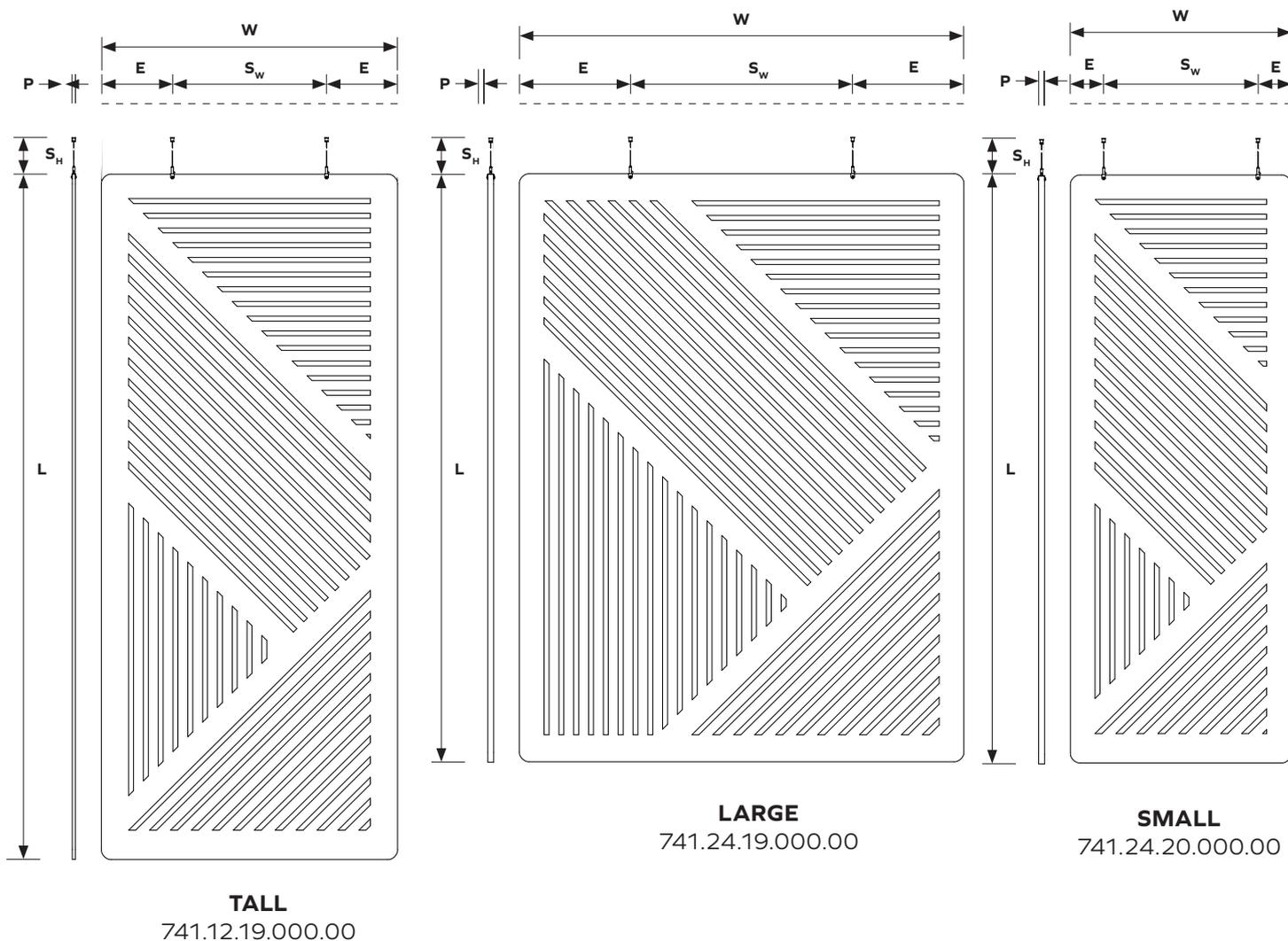


Dimensions	TALL 741.12.17.000.00	LARGE 741.24.17.000.00	SMALL 741.24.18.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

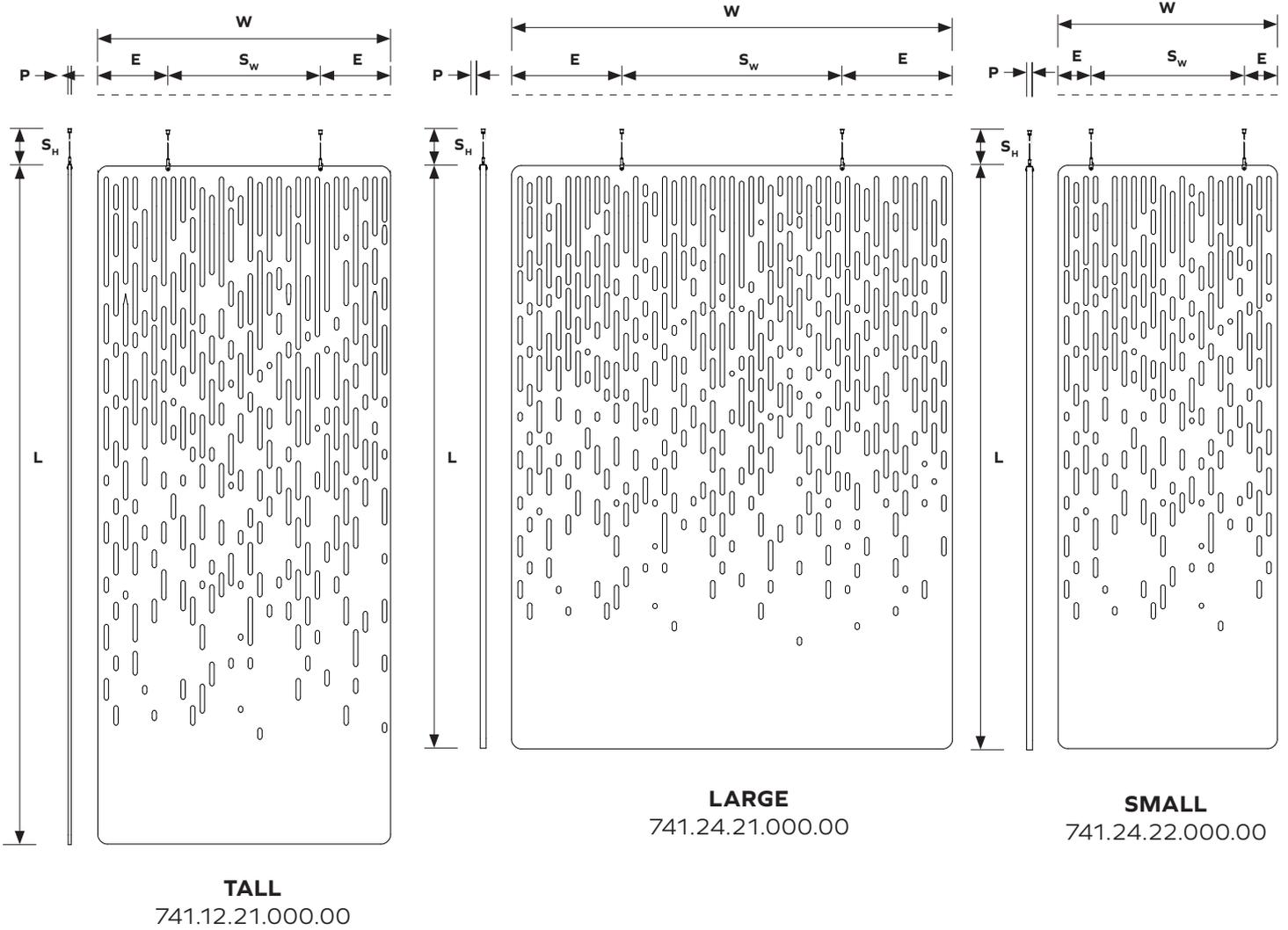


Dimensions	TALL 741.12.19.000.00	LARGE 741.24.19.000.00	SMALL 741.24.20.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

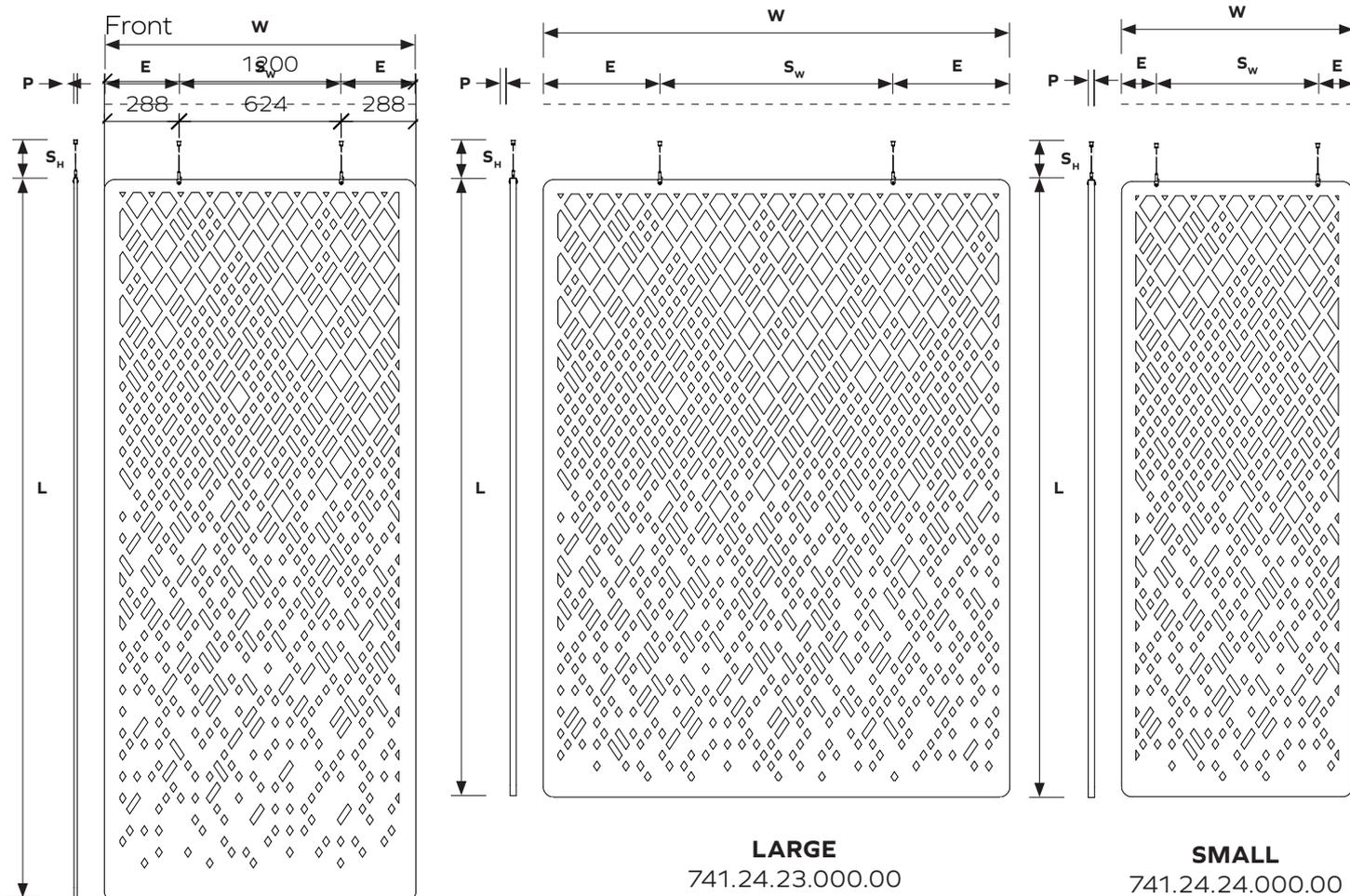


Dimensions	TALL 741.12.21.000.00	LARGE 741.24.21.000.00	SMALL 741.24.22.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

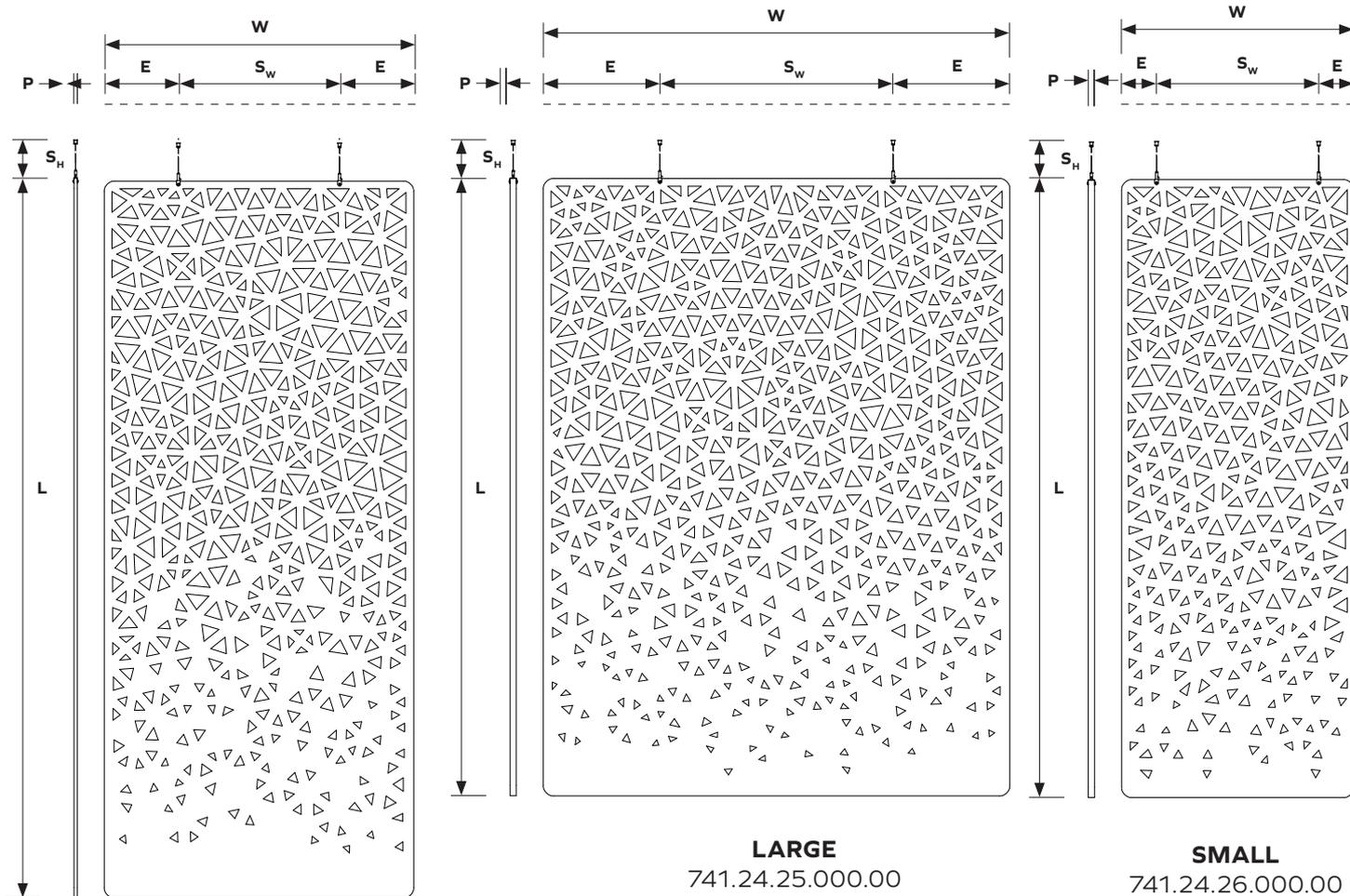
SMALL
741.24.24.000.00

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

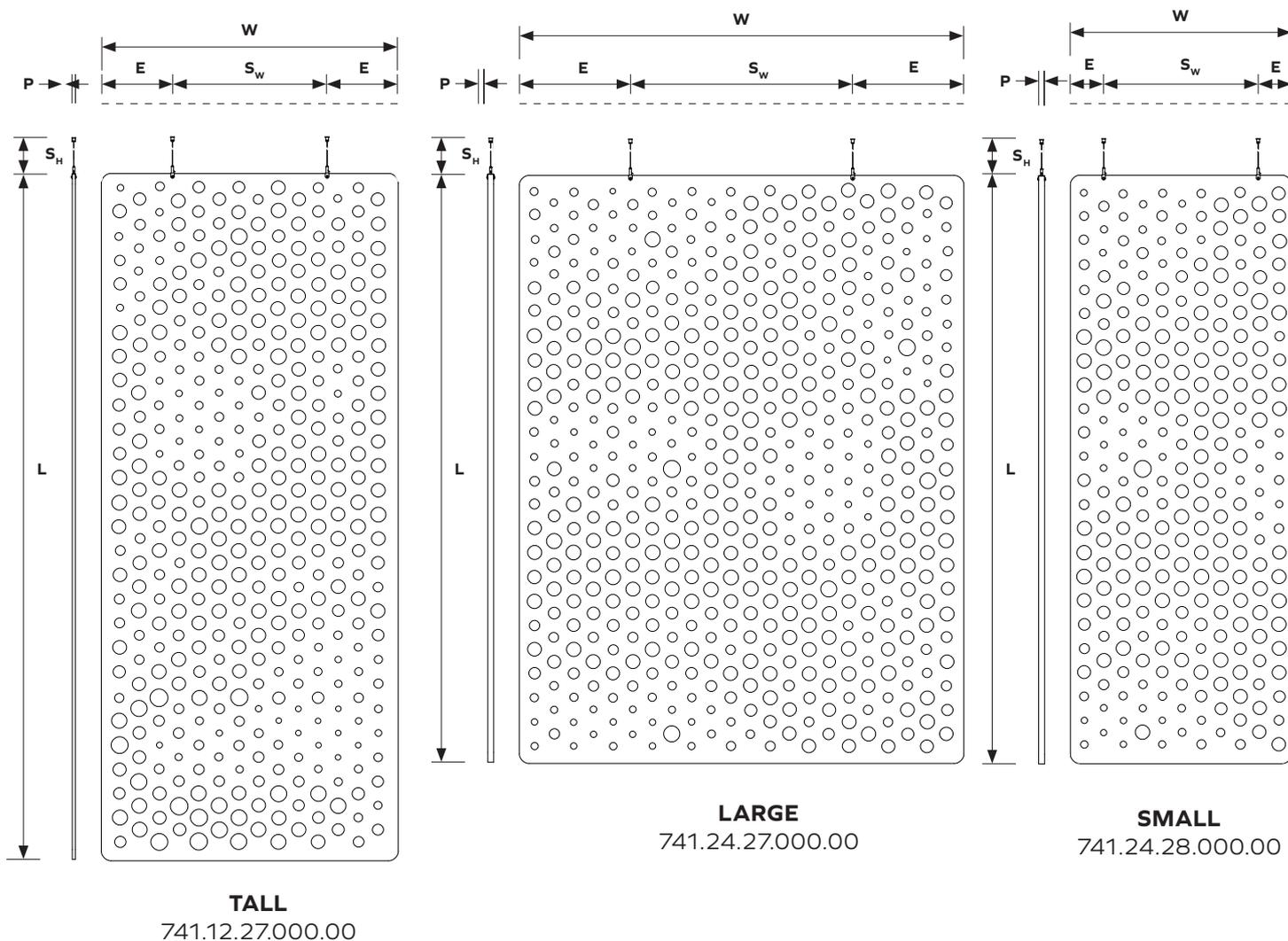


Dimensions	TALL 741.12.25.000.00	LARGE 741.24.25.000.00	SMALL 741.24.26.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

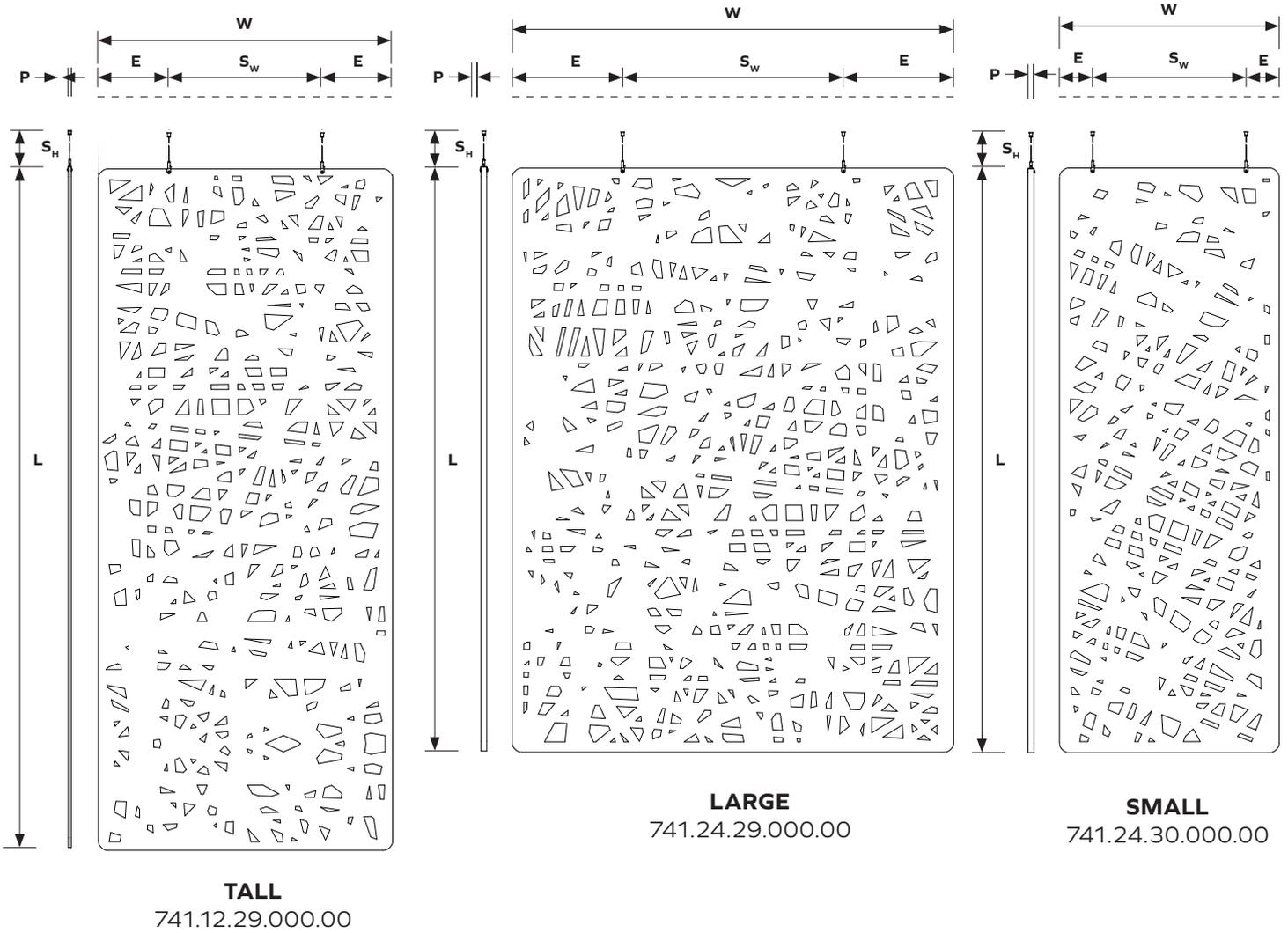


Dimensions	TALL 741.12.27.000.00	LARGE 741.24.27.000.00	SMALL 741.24.28.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

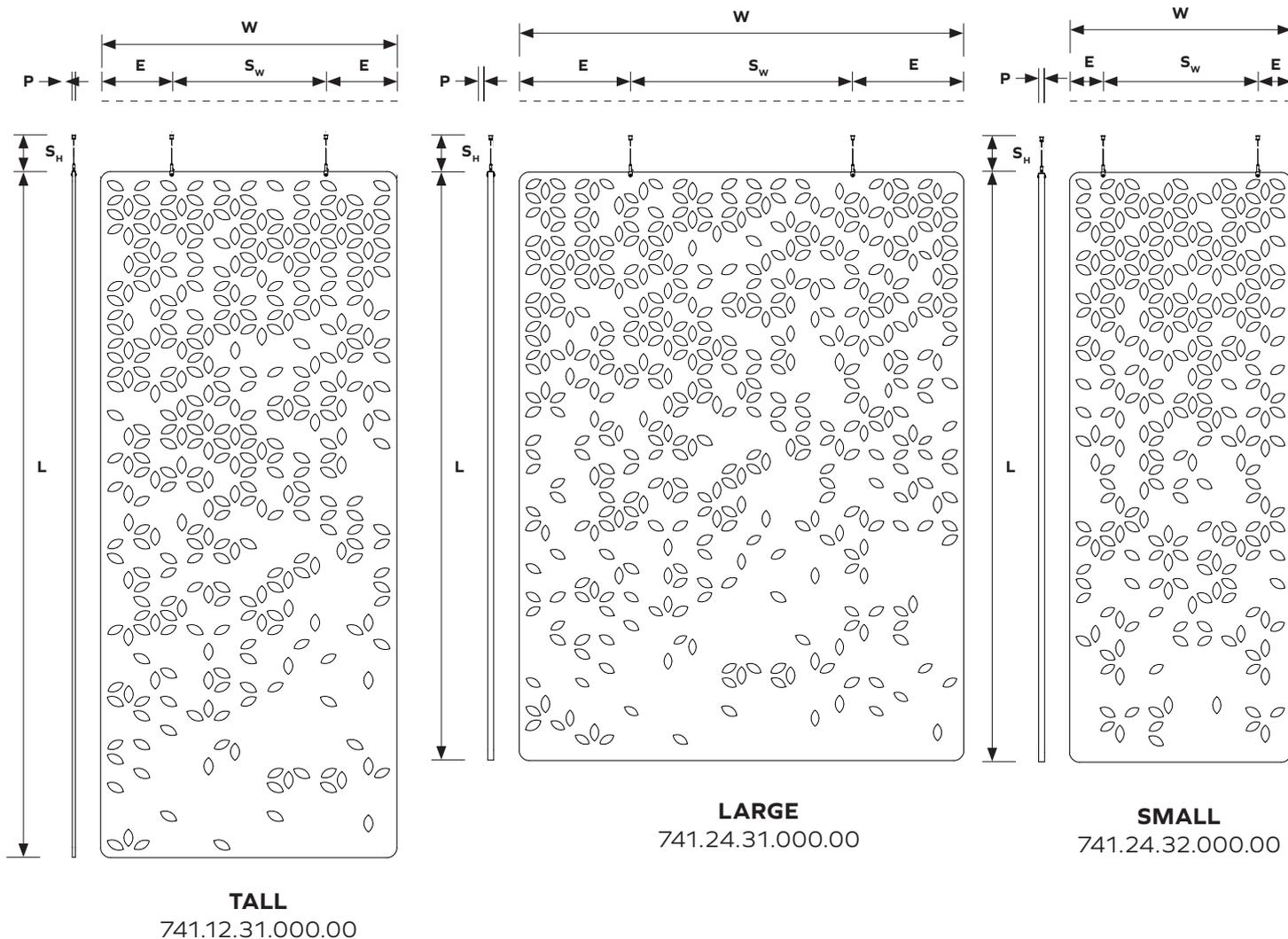


Dimensions	TALL	LARGE	SMALL
	741.12.29.000.00	741.24.29.000.00	741.24.30.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness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

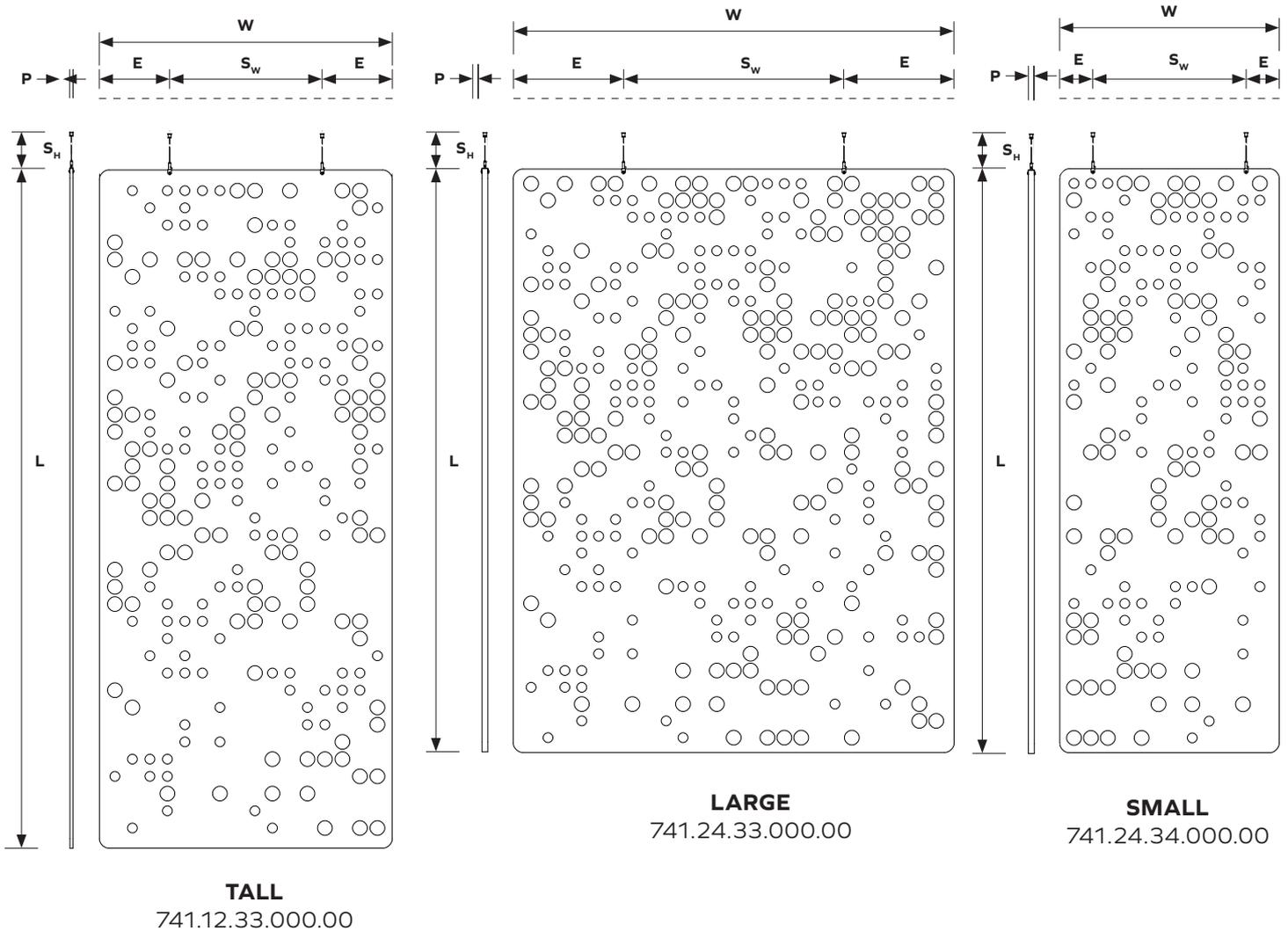


Dimensions	TALL 741.12.31.000.00	LARGE 741.24.31.000.00	SMALL 741.24.32.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

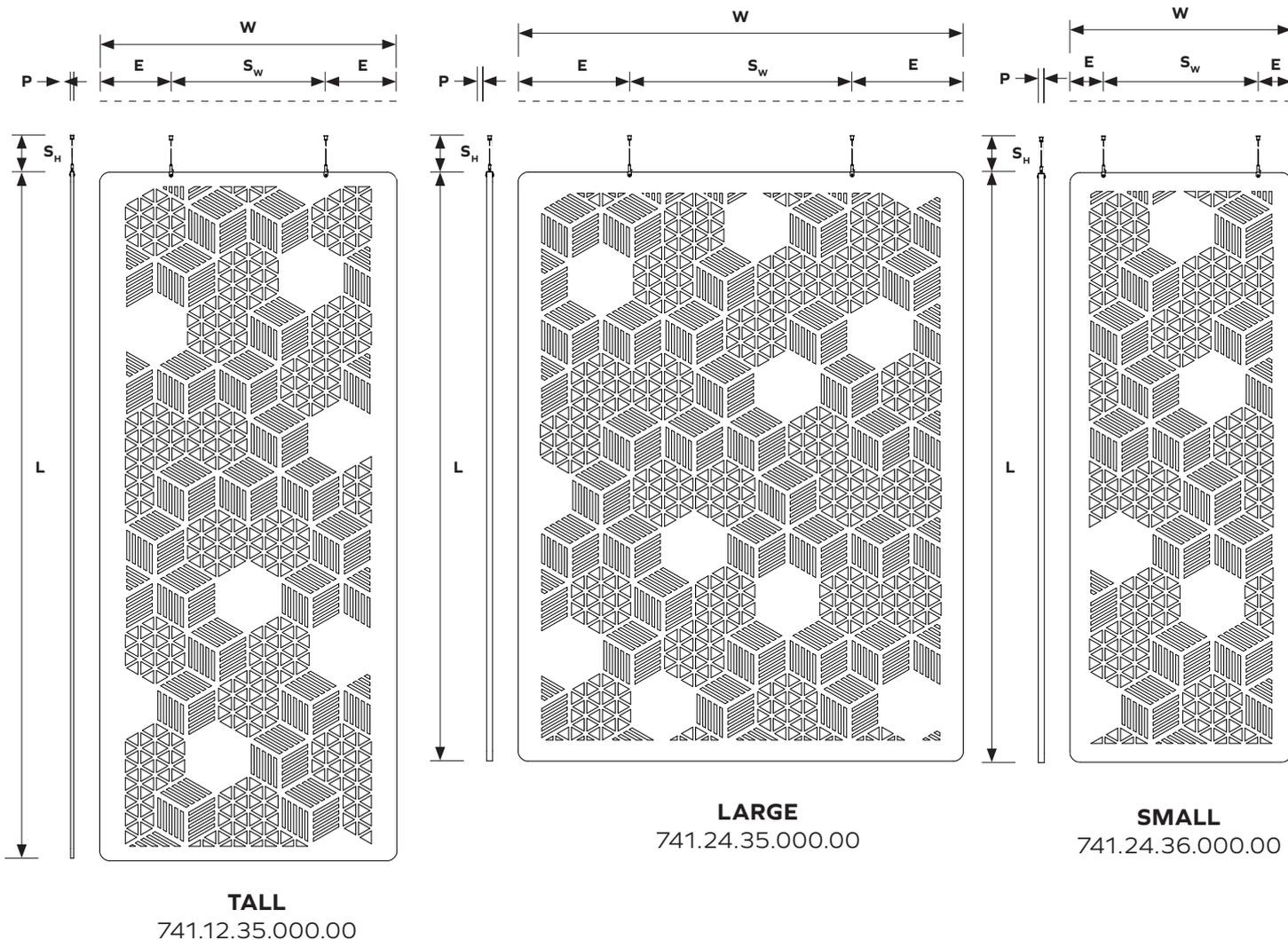


Dimensions	TALL 741.12.33.000.00	LARGE 741.24.33.000.00	SMALL 741.24.34.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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

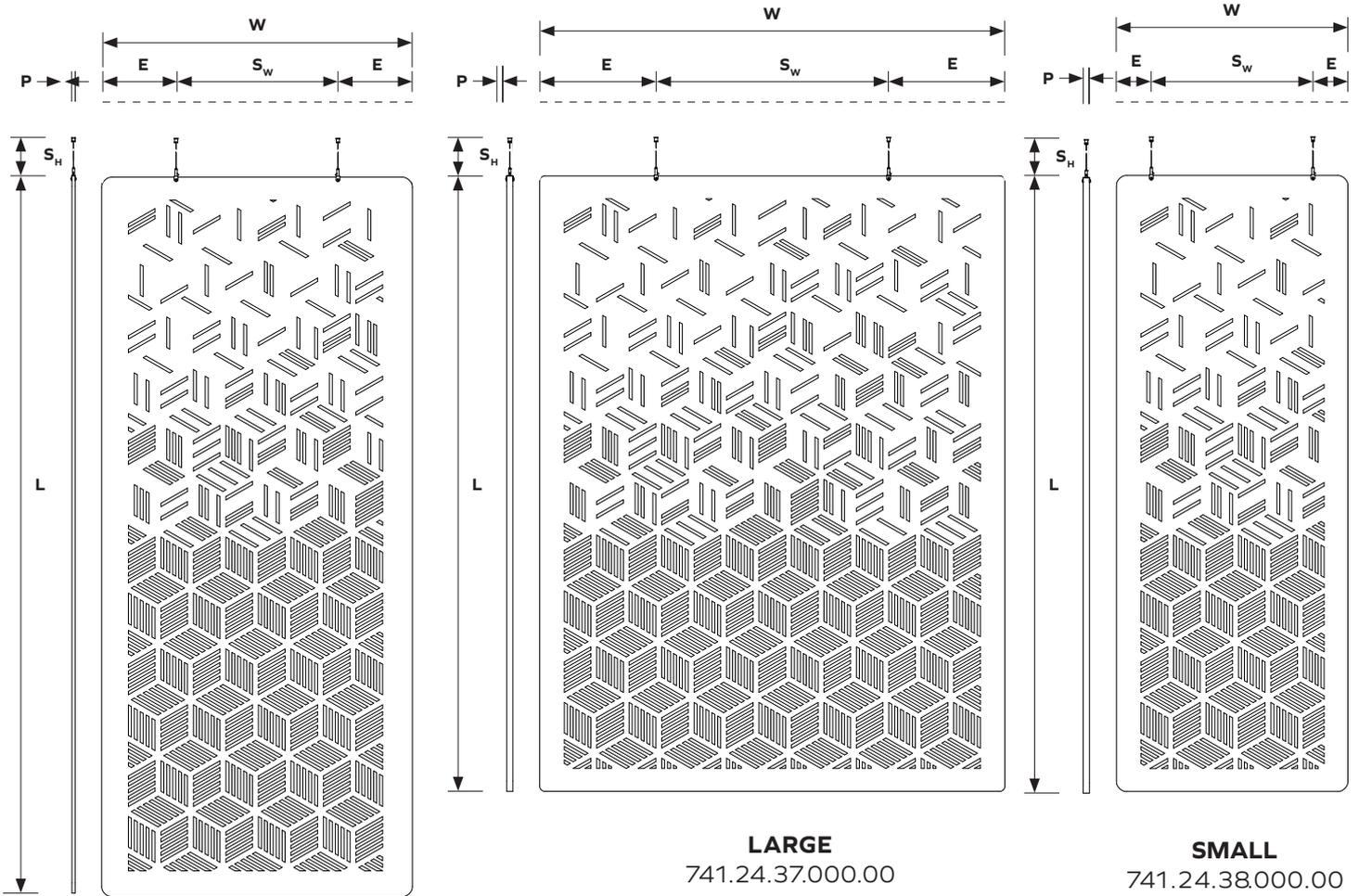


Dimensions	TALL 741.12.35.000.00	LARGE 741.24.35.000.00	SMALL 741.24.36.000.00
W Total width	1200 mm / 47.24"	1800 mm / 70.87"	900 mm / 35.43"
L Total height	2800 mm / 110.24"	2400 mm / 94.49"	2400 mm / 94.49"
E Edge dimensions	288 mm / 11.34"	288 mm / 17.72"	135 mm / 5.31"
P PET material thickness	12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



TALL
741.12.36.000.00

LARGE
741.24.37.000.00

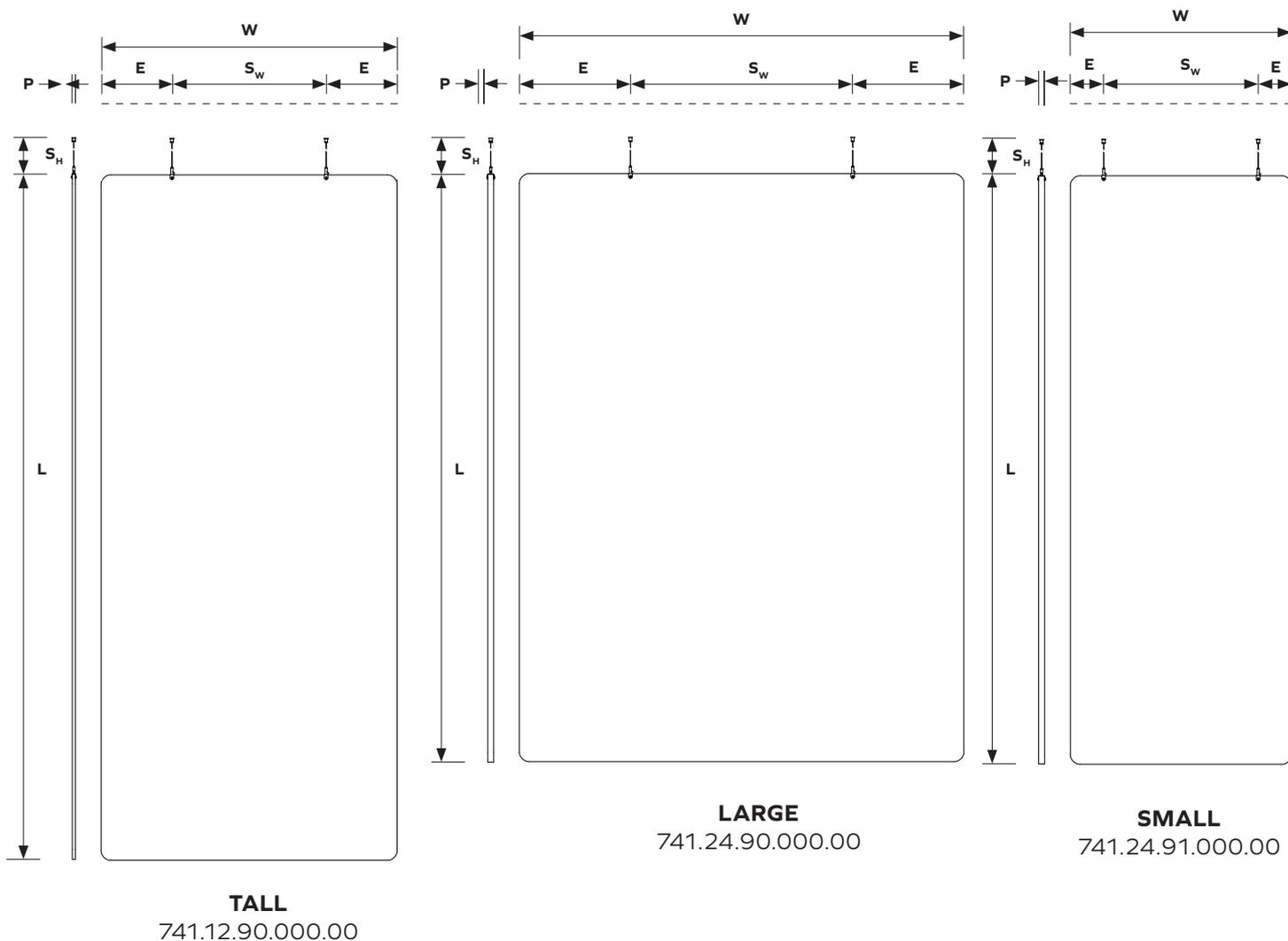
SMALL
741.24.38.000.00

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

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"		

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	S2502-Y	S 0502-Y

									
Name	Linen	Dune	Jute	Fallow	Warm Stone	Truffle	Sunshine	Honeycomb	Electric Orange
Code	107	104	920	238	105	539	846	139	464
NCS	S 1505-Y30R	S 3005-Y20R	S 3010-Y30R	S 3020-Y40R	S 3010-Y50R	S 7020-Y70R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

									
Name	Terracotta	Soft Coral	Cinnabar	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 2020-Y60R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	S 5040-R40B	S 4050-R70B

									
Name	Midnight	Royal Blue	Winter Sky	Deep Sea	Nocturne	True Navy	Ice Blue	Pacific Ocean	Lagoon
Code	810	865	410	918	866	194	304	432	917
NCS	S 7020-R70B	S 4550-B	S 2020-R90 B	S 5020-R90B	S 6030-R90B	S8005-B	S 0510-B	S 3040-B	S 6030-B10G

									
Name	Succulent	Spearmint	Seafoam	Nordic Pine	Moss	Grove	Pistachio	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 4020-G30Y	S4005-Y	S6010-G90Y

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

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 harmoniously to 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: αw=0.65	ASTM: NRC=0.9 ISO: αw=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	
Colour	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.	
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 Bream® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard Method V 1.2) Pass	
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-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.

DANAK
TEST Reg.nr. 522



Hanging Division

Acoustic Performance

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



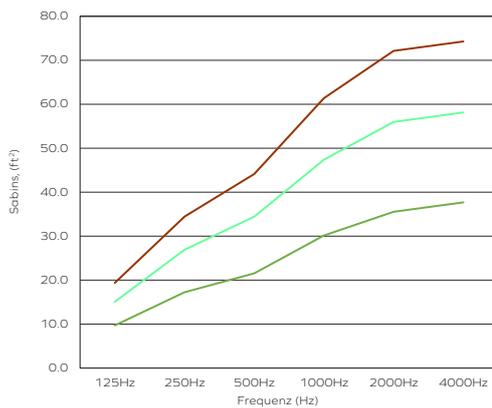
Prüfnormen

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.

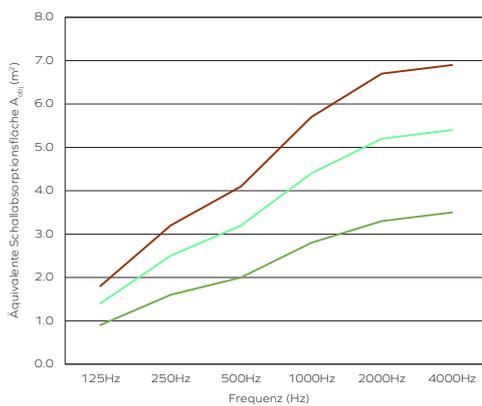


Akustische Leistung - ASTM Sabins, ft²

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

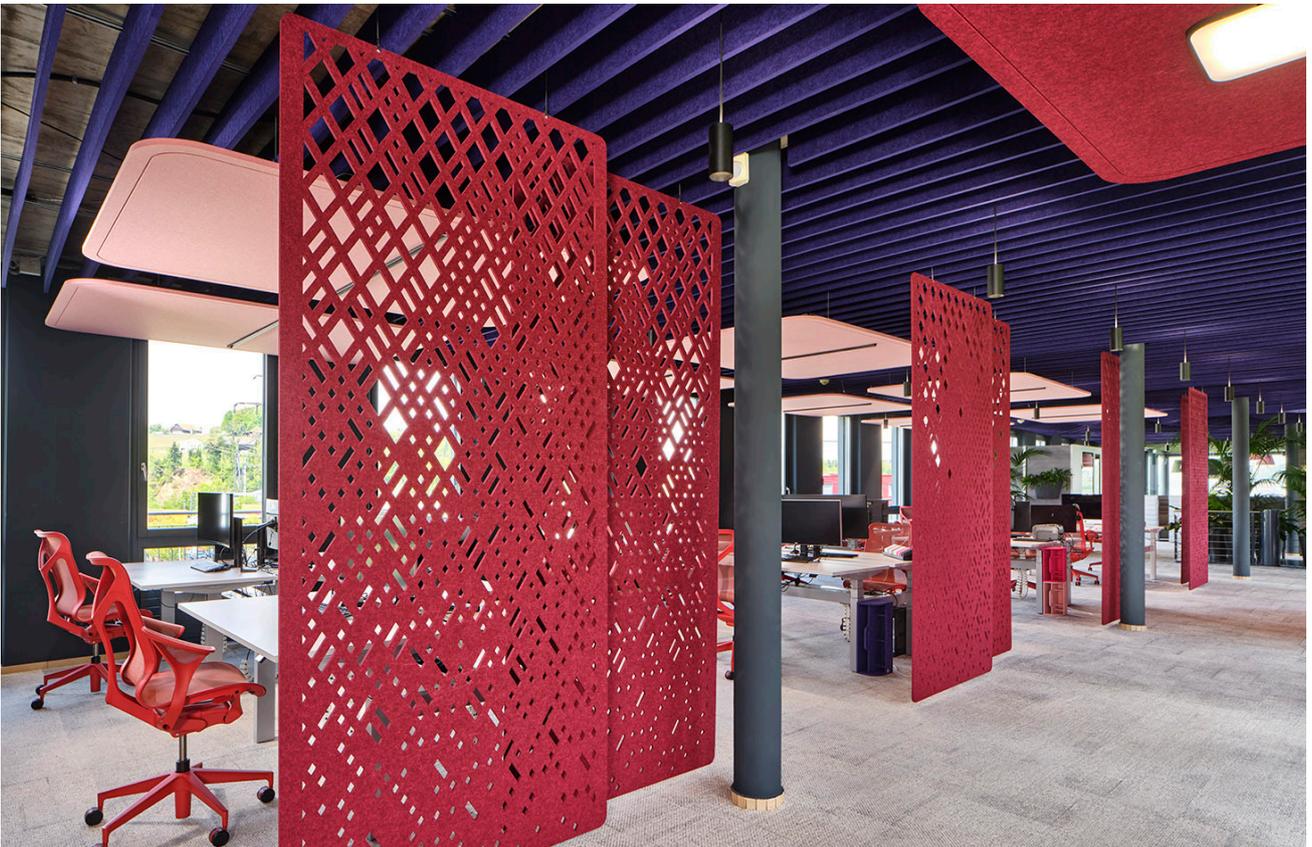
Frequenz (Hz)	125	250	500	1000	2000	4000
12mm Plain 2800mm x 1200mm	1.4	2.5	3.2	4.4	5.2	5.4
24mm Plain 2400mm x 900mm	0.9	1.6	2.0	2.8	3.3	3.5
24mm Plain 2400mm x 1800mm	1.8	3.2	4.1	5.7	6.7	6.9

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

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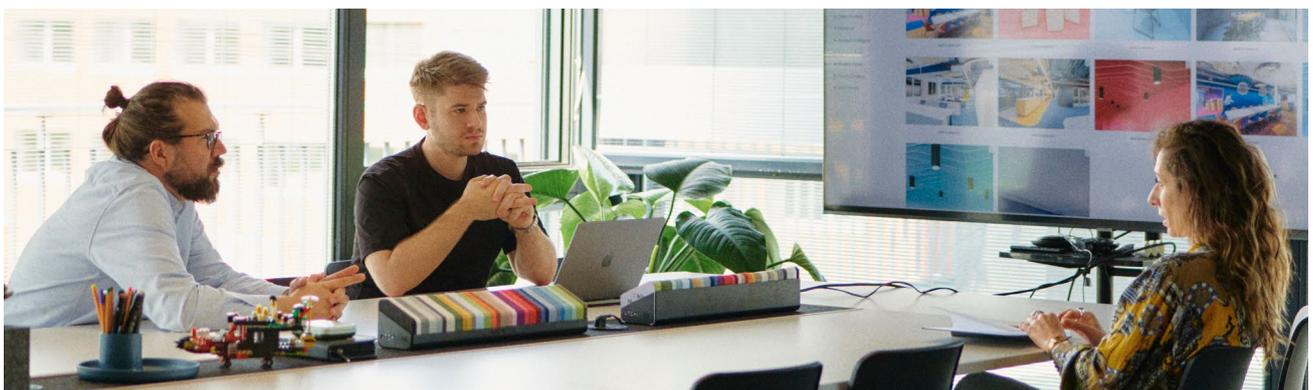
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