TOSO

Vinyl Curtain



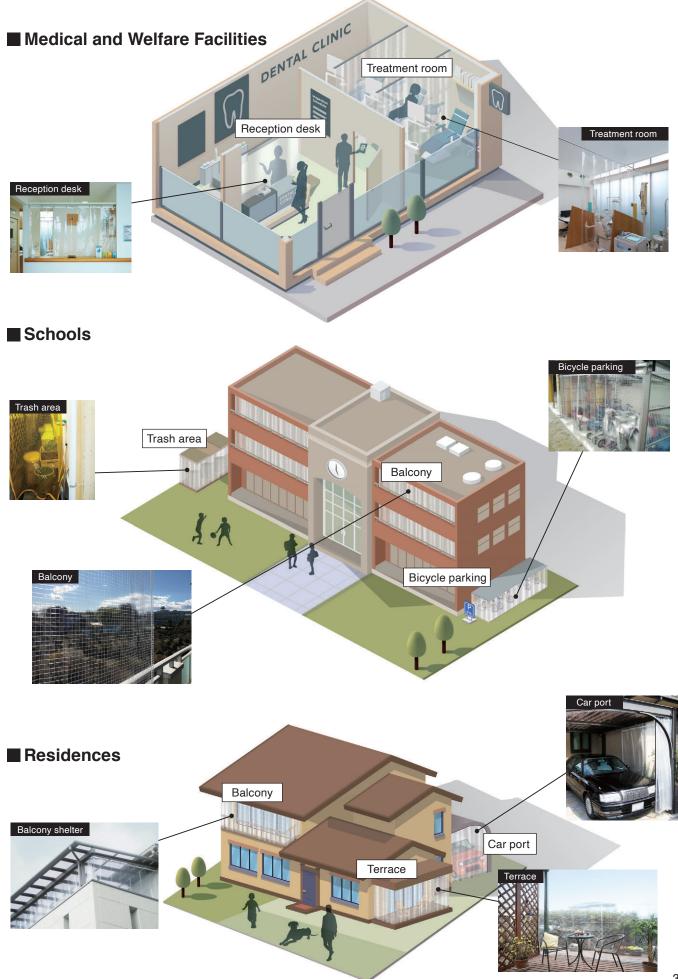
- •Vinyl Curtains are widely used in factories, warehouses, offices, and stores.
- •Vinyl Curtains are both durable and functional.
- •Air conditioning efficiency is improved and it becomes an energy saving measure.

Vinyl Curtain

Image for Vinyl Curtain Construction

Vinyl Curtains are widely used in factories, warehouses, offices, and stores. Because of durability and functionality, it can be used not only as a partition but also to increase the efficiency of air conditioning.





Vinyl Curtain

Project Reference for Vinyl Curtain

Vinyl Curtains can be used in a variety of situations.

Vinyl Curtains with high energy-saving effect create a comfortable space.

Plants, Warehouses, and Offices







Work room partition





Carrying-in port

Carrying-in port

Entrance

Passageway partition

Stores and Commercial Facilities



Terrace seat partition (exterior)



Terrace seat partition (interior view)

Entrance



Entrance

Medical and Welfare Facilities







Cutting of contact

Schools







Garbage yard



Residences





Terrace



Balcony



Car port



Features of Vinyl Curtains

The vinyl curtain has a variety of functions. Effective according to the purpose, such as weather-resistant type that can be used outdoors, insect-proof type that keeps insects away, anti-static type that prevents static electricity, cold-resistant type that does not harden even in cold weather, and antibacterial type.

Features by Function

	Flame Proofing	Recommended Location
防炎	Performance that is essential when used as a Vinyl Curtain or partition sheet for business use, such as in factories and warehouses. Vinyl curtains with flame-proof features are self-digestible and do not spread. TOSO Vinyl Curtains are all flame-proof products.	General building in which an unspecified number of people enter and exit
	Mothproofing	Recommended Location
派 防虫	Reduces insect attraction by cutting the wavelength of light (UV wavelength range) felt by insects.	Food factories, warehouses, restaurants, markets, horticultures, public facilities, smoking places and rest rooms
	Resistance to Cold	Recommended Location
	Normal vinyl is susceptible to temperature and becomes hard in low-temperature environments. Hardening not only makes opening and closing operations difficult, but also causes cracks. TOSO Vinyl Curtains with cold-resistant performance suppress curing at low temperatures and can be easily opened and closed even in cold regions.	Cold district, cold storage warehouse
	Antistatic	Recommended Location
带電防止	Electrostatic charges generated when the vinyl curtain is opened or closed are released to moisture in the atmosphere to reduce the adhesion of dust, etc. to the curtain surface.	Precision equipment and parts factories, computer server room, food plant, hospital
	Weather Resistance	Recommended Location
★*** 耐候	Weather stabilizers are blended to prevent deterioration and deterioration caused by ultraviolet rays, wind and rain, and temperature changes.	Outdoors (factory, warehouse, restaurant, store, public facility, school facility, smoking and restrooms)
	Antibacterial	Recommended Location
<u>淡</u> 抗菌	Suppresses the growth of bacteria adhering to the curtain surface. Suitable for locations where sanitary environments are required.	Food factories, restaurants, hospitals
	Antivirus	Recommended Location
が変変	Reduces the number of certain viruses. Suitable for places where hygienic environment is required.	Hospitals, food factories, restaurants

Product Correspondence Table

Product No.	Hue	Thickness	Estimated Durability	Flame proofing	Moth- proofing	Resistance to Cold	Antistatic	Weather Resistance	Anti- bacterial	Anti- virus
TC-1030	Transparent type with thread	0.30 mm (0.01")	☆☆	0	_	_	_	_	_	—
TC-1047	Transparent type with thread	0.47 mm (0.02")	☆☆☆	0	—	_	—	0	—	—
TC-1055	Transparent type with thread	0.55 mm (0.02")	☆☆☆	0	—	0	—	_	—	—
TC-1130	Transparent type with thread, yellow	0.30 mm (0.01")	☆☆	0	0	0	—	_	—	—
TC-1230	Transparent type with thread	0.30 mm (0.01")	☆☆	0	—	0	0	—	0	—
TC-2050	Transparent type	0.50 mm (0.02")	**	0	_	-	0	_		_
TC-2130	Transparent type	0.30 mm (0.01")	☆	0	—	_	0	—	—	—
TC-2230	Transparent type, orange	0.30 mm (0.01")	☆	0	0	_	—	—	—	—
TC-2330	Transparent type	0.30 mm (0.01")	☆	0	—	_	0	_	0	—
TC-2430	Transparent matte type	0.30 mm (0.01")	☆	0	—	_	0	_	—	—
TC-2530	Transparent type	0.30 mm (0.01")	☆	0	—	-	—		0	0
TC-2630	Transparent type	0.30 mm (0.01")	☆	0	—	—		—	—	

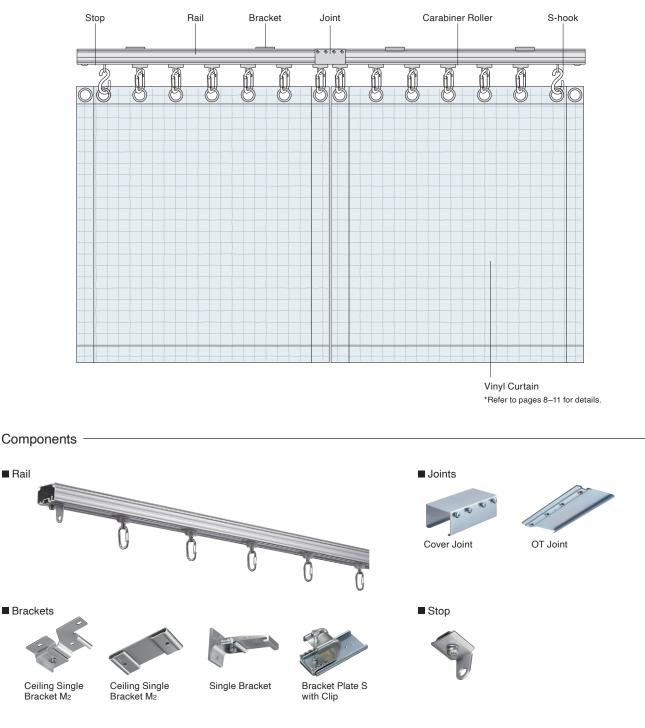
*All vinyl curtains are made in Japan.

*TC-1030-TC-1055, TC-2230 and TC-2430 comply with the European Union (EU) RoHS2 Directive.

Vinyl Curtain

Structure of Vinyl Curtains

Overall View



Rollers





*If you are using a Swing Roller or Roller, you will need an S-hook.



S-hook (steel)



*One S-hook (steel) for Stop is included in vinyl curtain.

Carabiner Roller

Heaton Roller

Specify the required number of grommets when ordering, included with the Vinyl Curtain.

Swing Roller

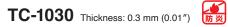
Roller

*The above configuration diagram and components are for Theatrac.

Common specifications

Lineup for Transparent Type with Thread







Allowable Size			
Product Width (W)	600–7,950 mm (24–313″)		
Product Height (H)	500–5,000 mm (20–197″)		
$\frac{1}{2}$			

*For ordering, round down the nearest 10 mm (0.4") in width and height.



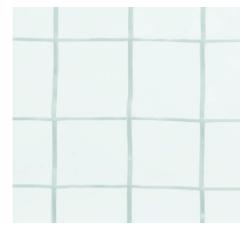
TC-1130 Thickness: 0.3 mm (0.01")



Allowable Size

Product Width (W)	600–7,950 mm (24–313″)
Product Height (H)	500-5,000 mm (20-197")

*For ordering, round down the nearest 10 mm (0.4") in width and height.



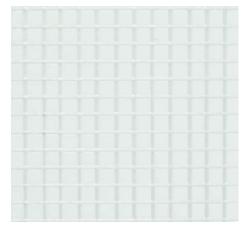




Allowable Size

Product Width (W)	600–7,950 mm (24–313″)
Product Height (H)	500–5,000 mm (20–197″)

*For ordering, round down the nearest 10 mm (0.4") in width and height. *Antistatic products may become slightly fogged.

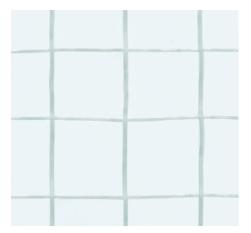






Allowable Size	
Product Width (W)	600–7,950 mm (24–313″)
Product Height (H)	500-5,000 mm (20-197")
+5 1 1	

*For ordering, round down the nearest 10 mm (0.4'') in width and height.



TC-1055 Thickness: 0.55 mm (0.02")



Allowable Size

Product Width (W)	600–7,950 mm (24–313″)
Product Height (H)	500-5,000 mm (20-197")

*For ordering, round down the nearest 10 mm (0.4") in width and height.

• The sample photo of the vinyl curtain is full-size.

• Due to the characteristics of the product, the vinyl curtain may expand or contract depending on the operating environment.

• Refer to page 13 for details on optional processing and optional parts.

• Possible to order only the vinyl sheets (without sewing processing). The price will be quoted separately.

Physical	Property Data														
			Thislanses	Mass		Tensile	strength		Streto	h rate		Tearing	strength		Flame proof
Product No.	Materials	Width (cm/")	Thickness (mm/")	(g/m ²)	Ver	tical	Horiz	ontal	Vertical	Horizontal	Ver	tical	Horiz	zontal	registration number/ Japan Flame Protection
		((,	(lb/yd ²)	kgf/3cm	N/3cm	kgf/3cm	N/3cm	%	%	kgf	N	kgf	N	Association
TC-1030		205/81	0.30/0.01	400 0.74	20	196	20	196	18	26	19	186	19	186	A1150140
TC-1047	Base fabric: Polyester 100%	205/81	0.47/0.01	360 0.66	61	598	50	490	19	27	41	400	45	441	A1150046
TC-1055	Resin:	205/81	0.55/0.01	700 1.29	20	196	20	196	18	26	19	186	19	186	A1150100
TC-1130	Vinyl chloride (PVC)	205/81	0.30/0.01	400 0.74	20	196	20	196	18	26	19	186	19	186	A1150114
TC-1230		205/81	0.30/0.01	400 0.74	20	196	20	196	18	26	19	186	19	186	A1150115

*The above physical properties are based on the measuring method specified by JIS and are not guaranteed values.

■ Antistatic Performance – JIS K 6911

Product No.	Surface resistance valueΩ	Volume resistance value Ωcm		
TC-1030 (Typical)	6.4×10 ¹³	2.3×10 ¹⁴		
TC-1230 (Antistatic)	5.1×10 ¹¹	4.0×10 ¹¹		

*The lower the Ω value, the better the anti-static performance.

■ Cold Resistance – JIS K 6404

Product No.	Test results
TC-1030	'-10°C No abnormality
TC-1055	'-30°C No abnormality
TC-1130	'-30°C No abnormality
TC-1230	'-30°C No abnormality

Lineup for Transparent Type







Allowable Size			
Product Width (W)	600–7,100 mm (24–280″)		
Product Height (H)	500–5,000 mm (20–197″)		
*For ordering, round down the nearest 10 mm (0.4") in width and height.			



TC-2130 Thickness: 0.3 mm (0.01")



Allowable Size

Product Width (W)	600–7,100 mm (24–280″)
Product Height (H)	500–5,000 mm (20–197")

*For ordering, round down the nearest 10 mm (0.4") in width and height.

*Antistatic products may become slightly fogged.



TC-2230 Thickness: 0.3 mm (0.01")



Allowable Size							
	Product Width (W)	600–7,100 mm (24–280″)					
	Product Height (H)	500-5,000 mm (20-197")					

*For ordering, round down the nearest 10 mm (0.4") in width and height.



Product Width (W)	600–5,330 mm (24–210″)
Product Height (H)	500–5,000 mm (20–197″)

*For ordering, round down the nearest 10 mm (0.4") in width and height. *Antistatic products may become slightly fogged.

TC-2430 Thickness: 0.3 mm (0.01")

Allowable Size

TOSO TOSO

TC-2330 Thickness: 0.3 mm (0.01")



Allowable Size							
Product Width (W)	600–7,100 mm (24–280″)						
Product Height (H)	500–5,000 mm (20–197″)						

*For ordering, round down the nearest 10 mm (0.4") in width and height. *Antistatic products may become slightly fogged.



TC-2530 Thickness: 0.3 mm (0.01")



Allowable Size

Product Width (W)	600–7,100 mm (24–280″)
Product Height (H)	500-5,000 mm (20-197")

*For ordering, round down the nearest 10 mm (0.4") in width and height. *The sheet may turn yellow due to ultraviolet rays. Recommended for indoor use.

TC-2530 is an antiviral performance SIAA safety standard compliant product. Reduces the number of specific viruses on the product.



SIAA # ISO 22196 抗菌加工 nic synthetic antiba agent/kneading substance

JP0122873X0001F

The SIAA mark is displayed on products whose quality is controlled and information is disclosed according to the guidelines of the Society of International sustaining growth for Antimicrobial Articles, based on the results evaluated by the ISO 21702 and ISO 22196.



TC-2050 Thickness: 0.5 mm (0.02")



Allowable Size Product Width (W) 600-7,100 mm (24-280") Product Height (H) 500-5,000 mm (20-197")

*For ordering, round down the nearest 10 mm (0.4") in width and height. *Antistatic products may become slightly fogged.

• The sample photo of the vinyl curtain is full-size.

- Due to the characteristics of the product, the vinyl curtain may expand or contract depending on the operating environment.
- Refer to page 13 for details on optional machining and optional parts.
- Possible to order only the vinyl sheets (without sewing processing). The price will be quoted separately.

Specification for TC-2530

Antivirus

Reduce the number of specific viruses

Antibacterial

Suppresses the growth of Staphylococcus aureus and E. coli

TC-2530 is an antiviral performance SIAA safety standard compliant product.

Reduces the number of specific viruses on the product.





Organic synthetic antivirus treatment agent/kneading substance JP0612873X0001J Organic synthetic antibacterial agent/kneading substance JP0122873X0001F

The SIAA mark is displayed on products whose quality is controlled and information is disclosed according to the guidelines of the Society of International sustaining growth for Antimicrobial Articles, based on the results evaluated by the ISO 21702 and ISO 22196.

-This product is not a drug. -Uses antiviral materials that have cleared SIAA safety standards. -Complies with SIAA safety

- standards. -Antiviral treatment is not
- intended to treat or prevent illness.

-This product is not a drug. -Does not suppress the growth of all bacteria. -Uses antibacterial materials that have cleared SIAA safety standards.





Vinyl Curtain - Transparent Type

Physical Property Data

		14/2 111	T 1 · 1	Mass		Tensile strength		Stretch rate Tearing strength				Flame proof			
Product No.	Materials	Width (cm/")	Thickness (mm/")	(g/m ²)			Vertical	Vertical Horizontal Vertical	tical	Horiz	ontal	registration number/ Japan Flame Protection			
		(011,7)	((lb/yd2)	kgf/cm			N	kgf	Ν	Association				
TC-2050		183/72	0.50/0.05	670 1.77	-	3330	-	3015	300	310	-	925	-	915	AT930113
TC-2130		183/72	0.30/0.01	395 1.04	-	3370	-	2960	295	310	-	940	-	915	AT890085
TC-2230		183/72	0.30/0.01	380 1.00	80.5	-	71.4	-	284	318	20.8	-	19.2	-	AT860034
TC-2330	Vinyl chloride (PVC)	183/72	0.30/0.01	400 1.05	84.0	-	74.0	-	269	273	25.0	-	24.0	-	A2200267
TC-2430		137/54	0.30/0.01	400 1.05	82.6	-	72.8	-	314	314	22.5	-	21.2	-	AT870003
TC-2530	-	183/72	0.30/0.01	394 1.03	97.4	-	84.8	-	310	310	26.9	-	27.0	-	A1210054
TC-2630		183/72	0.30/0.01	400 1.05	-	2520	-	2430	344	368	-	635	-	561	A1200188

*The above physical properties are based on the measuring method specified by JIS and are not guaranteed values. *Data is indicated according to the test method of each sheet.

■ Antistatic Performance – JIS K 6911

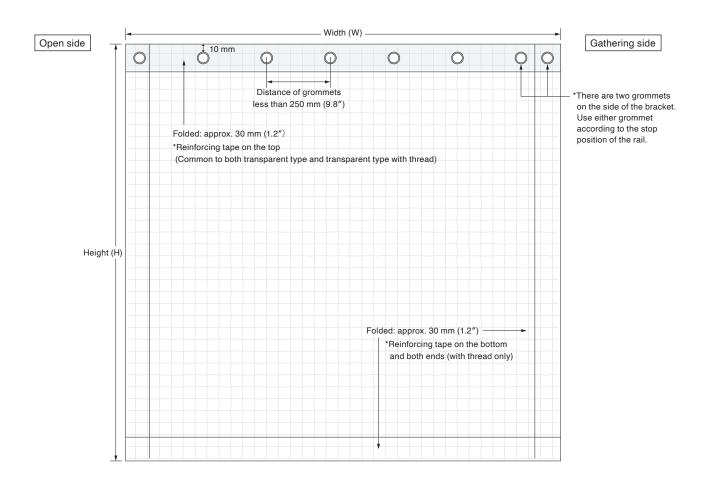
Product No.	Surface resistance valueΩ	Volume resistance value Ωcm
TC-2050	10 ¹⁰	10 ¹⁰
TC-2130	10 ¹⁰	10 ¹⁰
TC-2330	1.37×10 ¹⁰	-
TC-2430	1.5×10 ⁹	1.2×10 ⁹

*The lower the $\boldsymbol{\Omega}$ value, the better the anti-static performance.

Vinyl Curtain

Standard Specification

Common specifications



Details of each Part



Grommet

Brass #25: ID Ø 9 mm (.35") / OD Ø 19 mm (.75") Approx. 10 mm (.39") from the top surface of the vinyl curtain to the grommet hooking part. *The standard distance between grommets is 250 mm (9.8"). Manufacturing dimensions 3,090 mm (122"), for one-way draw, 3,090 mm (122") ÷ 250 mm (9.8")= 12.36

13 grommets +1+1 (for Stop) = 15 pcs.



Reinforcing tape

Placing reinforcing tape on the end face to which the load is applied prevents the sheet from breaking and breaking, resulting in improved strength and durability.

*It enters the square for transparent type with thread. *It will only enter the top transparent type.



S hook (Steel)

Used as a part connecting roller stops and grommets.

*If you order a Vinyl Curtain, 1 piece for one-way draw, and 2 pieces for two-way draw are included for the stop. Required separately when using a Swing Roller or Roller.

*If you specify when ordering, we will include the required number of grommets.

Folding back the sheet edge prevents the sheet from being broken or broken due to contact or rubbing and improves durability.



Flame retardant article label

A flame proof article label is attached to the vinyl curtain with the flame proof function. *It is affixed to the side of the gathering.

Product Size

Add about 3 % width to the opening dimensions. The height is typically about 20 mm (.79") above the tail.

Due to the characteristics of the product, the vinyl curtain may expand or contract depending on the operating environment.

*Refer to page 18 for the "How to Order Vinyl Curtain".

Reversing (approx. 30 mm/ 1.2")

Approximate Weight -

Transparent Type with Thread

Ту	pe of Vinyl Cur	tain	Theatrac +Carabiner Roller	Supertrac +Carabiner Roller		
Product No.	Thickness (mm / ")	Mass (g/m², lb/yd²)	Allowable Load	Allowable Load		
TC-1030	0.30/0.01	400, 1.05	One-way draw	One-way draw 30 kg (66 lb)		
TC-1047	0.47/0.02	360, 0.95	50 kg (110 lb)			
TC-1055	0.55/0.02	700, 1.85	*Using Bracket			
TC-1130	0.30/0.01	400, 1.05	Plate with Clip			
TC-1230	0.30/0.01	400, 1.05	for 40 kg (88 lb)			

Transparent Type

Ту	pe of Vinyl Cur	tain	Theatrac +Carabiner Roller	Supertrac +Carabiner Roller		
Product No.	Thickness (mm / ")	Mass (g/m², lb/yd²)	Allowable Load	Allowable Load		
TC-2050	0.50/0.02	670, 1.24				
TC-2130	0.30/0.01	395, 0.73	One-way draw			
TC-2230	0.30/0.01	380, 0.70	50 kg (110 lb)	One-way draw 30 kg (66 lb)		
TC-2330	0.30/0.01	400, 0.74	*Using Bracket			
TC-2430	0.30/0.01	400, 0.74	Plate with Clip			
TC-2530	0.30/0.01	394, 0.72	for 40 kg (88 lb)			
TC-2630	0.30/0.01	400, 0.74				

Optional Processing



■ Face fastener (White)

Suppress the draft of the interference fit. It is also used when you want to fix the curtain on a wall, etc. *Hook and loop set processing. *Width: 25 mm (.98")



Magnet

Suppress the draft of the interference fit. Used in place of the Magnet Roller. *Single-sided (1 pc.) Double-sided (2 pcs.)



Slit fastening

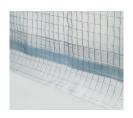
It is recommended for a place where relatively small baggage is loaded and unloaded. *R machining is a separate estimate.

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		12 12		
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Open fastener

It can be opened and closed only when necessary. Used to increase the degree of sealing.

*R machining is a separate estimate.



Bottom gap filling It is effective for suppressing drafts between curtain and floor surface. Cutting on site is possible.

*Specify the dimension specification.



Bottom weight chain
 Reduces wind-induced fluctuation.
 *A weight is inserted in the bottom folded part.
 *Available in steel and stainless steel.



Sheet-cutting Machine according to the location with obstacles. *Specify the dimension specification.

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Grommet (Stainless steel)

Optional Parts -



Tassel belt with buckle

Machine according to the location with obstacles. *Width: 25 mm (.98") Length: 2.0 m (79") Color: black, white



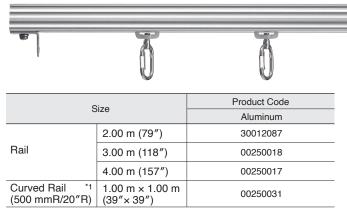
Stainless steel–S hook

Theatrac—Curtain Track for Vinyl Curtain (Recommended)

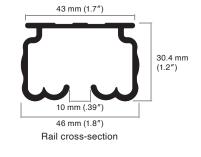


Theatrac Rails

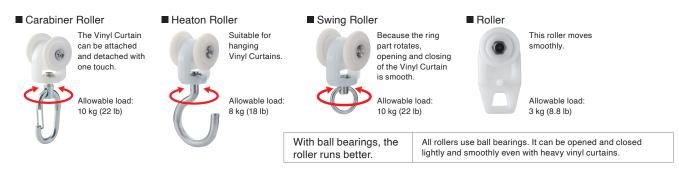
Aluminum



*1 The Curved Rail 1.00 m × 1.00 m (39"× 39") is 500 mmR (20"R). (custom order product) *2 All the length limits of the separately manufactured rails are 6 m (236"). If 4 m (157") is exceeded, check the shipping instructions when ordering.



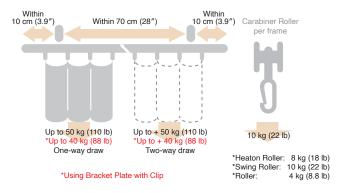
Rollers



Materials and Finishes

	Parts	Material	Finish	
Rail	Aluminum	Aluminum alloy extrusion material	Alumite	
	Plate	Nylon		
D "	Wheel	Polyacetal		
Roller	Ring	Steel (Swing Roller, Heaton Roller, Carabiner Roller)		
Stop	Plate	Steel	Cilver	
Bracket	Main unit	Aluminum	Silver	
Diaoket	Clamping plate	Steel	Alumite	
Bracket P	late with Clip	Steel	Silver	

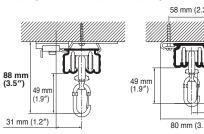
Bracket Installation Interval and Allowable Curtain Load

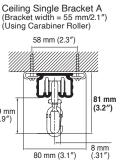


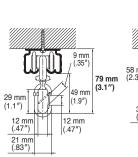
Installation Dimensions

Ceiling Attachment

Ceiling Single Bracket A (Bracket width = 55 mm/2.1") (Using Carabiner Roller)





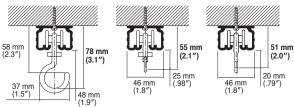


Direct Attachment (Using Carabiner Roller)



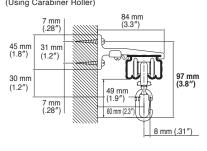
Direct Attachment (Using Swing Roller)

Direct Attachment (Using Roller)



Wall Attachment

Single Bracket (Bracket width = 34 mm/1.3") (Using Carabiner Roller)



Using Bracket Plate with Clip * Using Bracket Plate M with Clip

Ceiling Single Bracket M2 (Under H steel) (Using Carabiner Roller)

> 30 mm (1.2″)

> > Z

49 mm (1.9")

17 mm (.67") 25 mm (.98")

> 103 mm (4.1″)

64 mm (2.5")

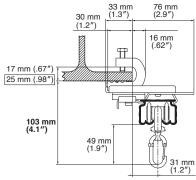
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53 mm (2.1")

16 mm (.62")

8 mm (.31")

Ceiling Single Bracket M2 (Ejected) (Using Carabiner Roller)

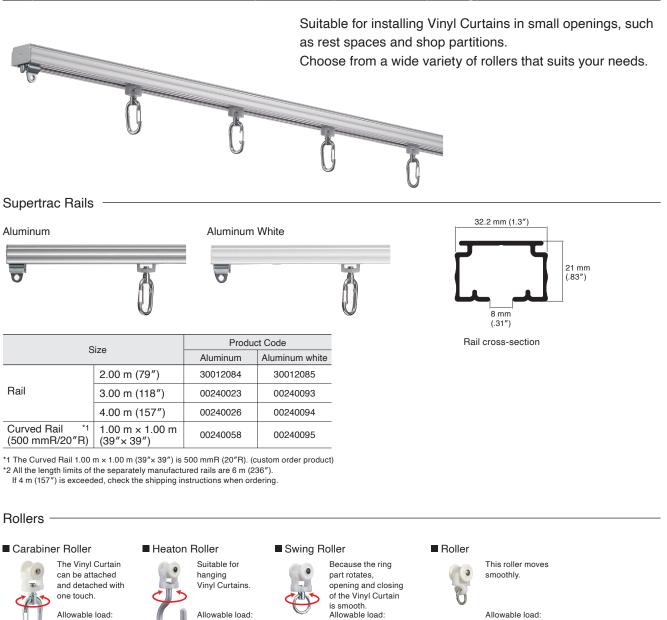


Theatrac Parts

	Product Name		Product Code		Product Name		Product Code		Product Name		Product Code
	Carabiner Roller Allowable load: 10 kg (22 lb)		30013669		Single Bracket	Common (Silver)	00250005	Stop	Stop	_	00250006
Rollers	Heaton Roller		00250030		Bracket Plate S with Clip 17 mm (.67") (1.5") & e			ß	Cover Joint (3.9″)	Common (Silver)	00250029
	Swing Roller	1 0 5	00250028	(1.5") 86 mm 25 mm (3.4") (.98")	Common (Silver)	30013670	Joints	OT Joint	Common (Silver)	00250007	
	Allowable load: 4 kg (8.8 lb)	Ø	00250012				*H steel thickness: 3–16 mm (.11–.63″) *Use in combination with Ceiling Single Bracket M2.				
Brackets	Ceiling Single Bracket M2	Common (Silver)	00510090		Bracket Plate M with Clip 25 mm 39 mm (.98") (1.5") 39 mm (1.5") 86 mm (3.4") 25 mm (.98") *H steel thickness: 9-24 mm (.3594") *Use in combination with Ceiling Single Bracket M2.	Common (Silver)	30013671				
Brac	Ceiling Single Bracket	Common (Silver)	00250002			(Silver)					

*S-hooks are required when using Swing Rollers or Rollers.

Supertrac-Curtain Track for Vinyl Curtain (For Small Opening)



3 kg (6.6 lb)

Allowable load: 3 kg (6.6 lb)

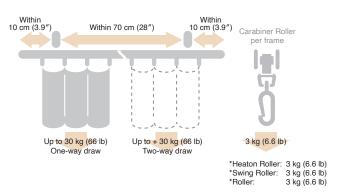
Materials and Finishes

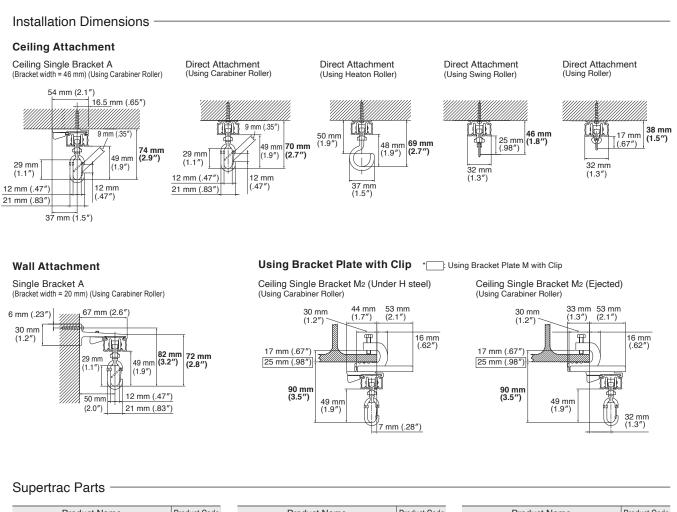
3 kg (6.6 lb)

	Parts	Material	Finish	
	Aluminum	Aluminum alloy	Alumite	
Rail	Aluminum White	extrusion material	Alumite white	
	Plate	Polyacetal		
	Wheel	Polyester elastomer		
Roller	Ring	Stainless steel Steel (Swing Roller, Heaton Roller, Carabiner Roller)		
0	Plate	Steel		
Сар	Spring plate	Bainitic steel	Silver	
	Main unit	Aluminum	Alumite	
Bracket	Clamping plate	Steel		
Bracket P	late with Clip	Steel	Silver	

3 kg (6.6 lb)

Bracket Installation Interval and Allowable Curtain Load





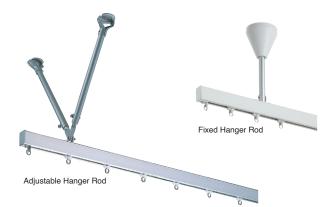
	Product Name	Product Code		
	Carabiner Roller Allowable load: 3 kg (6.6 lb)		30013667	
Rollers	Heaton Roller	, D	00240056	
	Swing Roller Allowable load: 3 kg (6.6 lb)		00240059	Brackets
	Roller Allowable load: 3 kg (6.6 lb)	16 mm (.62″)	00240011	ā
	Single Bracket A	Common (Silver)	00240018	
Brackets		White	00240068	
Brac	Ceiling Single Bracket A	Common (Silver)	00240016	
	a a a a a a a a a a a a a a a a a a a	White	00240070	

	Product Name		Product Code	
	Bracket Plate S with Clip 39 mm (.67") (1.5") 39 mm (.67") (.5") 36 mm (.98") *H steel thickness: 3–16 mm (.11–.63") *Use in combination with Ceiling Single Bracket.	Common (Silver)	30013670	
Brackets	Bracket Plate M with Clip 39 mm (.98") (1.5" 39 mm (.98") (1.5" 86 mm 25 mm (.34") 25 mm (.38") *H steel thickness: 9-24 mm (.3594") *Use in combination with Ceiling Single Bracket.	Common (Silver)	30013671	at a state
	Wall Bracket	Common (Silver)	00240013	
		White	00240072	

	Product Name		Product Code
	Cap	Common (Silver)	00240019
Caps	*Use in combination with the Stop.	White	00240073
	Stop	-	00240020
	Cover Joint 10 mm (.39")	Common (Silver)	00240054
	(.39) 100 mm (3.9")	White	00240067
ţ	OT Joint (5.9″)	Common (Silver)	00240003
Joints		White	00240066
	Joint (for aluminum) ^{10 mm} ^(39") ^(31") ^{10 mm} ^(39") ^(39")	-	00240004

*S-hooks are required when using Swing Rollers or Rollers.

Partrac II—Curtain Track for Vinyl Curtain (For Indoor)



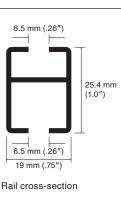
Noiseless Roller *There is a noiseless roller.

Combined with a hanger rod, the Patrtac is ideal as an indoor partition for hospitals and receptions. It is a mart design form.

Partrac II Rails



	Size	Product Code		
	5120	Silver	White	
	1.82 m (72″)	00230027	00230067	
	2.00 m (79″)	00230026	00230068	
	2.50 m (98″)	00230025	00230069	
Rail	2.73 m (107″)	00230024	00230070	
	3.00 m (118″)	00230023	00230071	
	4.00 m (157″)	00230022	00230072	
Curved Rail	0.50 m × 0.50 m (20" × 20")	30010594	30010596	
(180 mmR/7.1"R)	1.00 m × 1.00 m (39" × 39")	30010595	30010597	



* All the length limits of the separately manufactured rails are 6 m (236").

If 4 m (157") is exceeded, check the shipping instructions when ordering.

Materials and Finishes

Parts		Material	Finish
		Aluminum alloy extrusion material	Alumite, White
Roller	Plate	Hard polyethylene	
(C Type and New Delac	Wheel	Acetal resin	
are common)	Oval ring	Stainless steel	
Fuel Oten	Body	Steel	Alumite
End Stop	Oval ring	Stainless steel	Alumite
Bracket	Body	Steel	
Adjustable Hanger Rod A	Pipe	Steel	
Fixed Hanger Rod	Lihe	Aluminum	

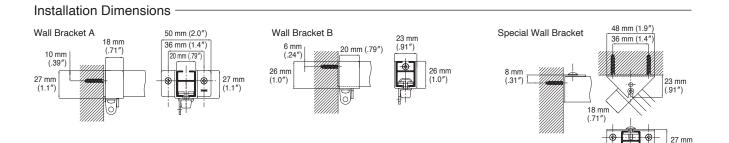
Bracket Installation Interval and Allowable Curtain Load

With fixed intervals of 1.5 m (59") 4 kg (8.8 lb)

* When using in hospitals and other medical institutions, make sure that the rail is not made to bear the weight of a patient holding onto the vinyl curtain. If the load goes over that allowable, the curtain rail may come off from the brackets.

(1 1")



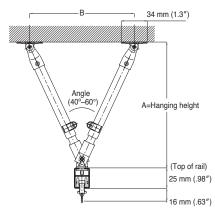


Installation Dimensions -

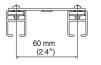
Double Connector C / 30 mm pitch

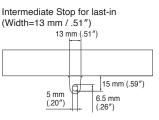


Adjustable Hanger Rod A



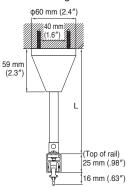
Double Connector Aid C / 60 mm pitch





Specification for Partrac II + Overhead Hanger B Unit: mm Angle: 60° Angle: 40° Range Hanger Rod Size Minimum в В А А Maxmum A170 A250 A400 A700 A1100 A1600





Partrac II Parts

	Product Name	Product Code		Product Name		Product Code		Produ	uct Name		Product Code
	New Delac Roller (8 pieces per strip)	00210027		Wall Bracket	Silver	00230012	End Stop	Intermediate (for last-in)	e Stop	5 mm 59″)	30009047
	~100000			26 mm (1.0")	White	00230076	ш	Splice	140 mm	⊳	
	New Delac Noiseless Roller			Wall Bracket	Silver	00230010		~			0023000
	(8 pieces per strip) Noiseless Roller	00210188		26 mm (1.0")	White	00230077		Adjustable	A170 (130–170 mm	Silver	0029003
				Special 48 mm	0:1	00230011		Hanger Rod A	/5.1″–6.7″)	White	0029003
	New Delac			Wall	Silver	00230011		nuu A	A250	Silver	0029003
ers	MG Carrier	00210054			White	00230078) H	(170–250 mm /6.7″–9.8″)	White	0029003
Hollers			(0)		15 mm (.59")				A400 (245–400 mm	Silver	0029001
	New Delac Noiseless 🖉 🍘	text text	Brackets	Double Connector B		00230004	ŀ	T	/9.6″–16″)	White	0029004
	MG Carrier	00210189	Bra					8	A700 (395–700 mm	Silver	0029001
				Double Sil	Silver	30011419	arts	arts		White	0029004
	New Delac One-way	ie-way		Connector			Other Parts		A1100 (595–1,100 mm	Silver	0029001
	MG Carrier	00210053	- 3	White		Oth		/23"-43")	White	0029004	
				T Type	(.71")				A1600 (845–1,600 mm	Silver	0029001
	New Delac Noiseless			Curved Connector		00230002			(845–1,600 mm /33″–63″)	White	0029004
	One-way MG Carrier	00210190		44 mm (1.7")	18 mm (.71″)			Fixed	150	Silver	0023008
				Curved Connector B	Silver	00230005		Hanger Rod	(150 mm/5.9")	White	0023008
	Overhead Hanger A Silver	00230006		116 mm (4.6") (.59")	Oliver	00230003		nou Mai	250	Silver	0023008
6		00200000			White	e 00230079			(250 mm/9.8")	White	0023008
Brackets	Overhead Silver			140 mm (5.5″)	Winte	00200075		ģ	350	Silver	0023008
bra	Hanger B Silver	00230003	do	End Stop	Silver	00230016			(350 mm/14")	White	0023008
	(for last-in)	00000075	d Stop						500	Silver	0023008
	White	00230075	End	. E	White	00230082			(500 mm/20")	White	0023009

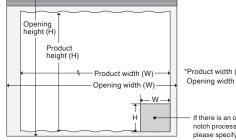
Vinyl Curtain

Measuring Method

Measure the width and height of the opening at the installation site.

*The opening dimensions are not uniform. Measure both ends and the center.

*If there are obstacles in the openings, also measure their size.



*Product width (W) = Opening width (W) × 1.03 (reference)

If there is an obstacle and notch processing is required, please specify the size.

How to Order Vinyl Curtain

Step 1	Specify the screen number.		nd the dimensions of the top of the
	*Please check the lineup for details of functions and thickness.		(Ceiling Single Bracket M2)
Step 2	Specify the width of the Vinyl Curtain. Ex. 3,090		c (Ceiling Single Bracket A)
	*Normally, it is made about 3 % larger than the opening. When the opening width is 3,000 mm (118"), the opening width is 3,000 mm (118") + 3% = product width is 3,090 mm (121").	+ carabin	er roller 64 mm (2.5")
	*Refer to page 12 for the standard number of grommets. If you want to chan number of grommets, specify the number and interval.		a> mm <a> " (1.5")
Step 3	Specify the height of the Vinyl Curtain. Ex. 2,18	mm (86″)	10 mm (0.39")
	*Dimensions <a> shown in the illustration on the right depend on the type of bracket to be installed.	ail and	(0.39″)
Step 4	Specify how to open the curtain. Ex. One-way draw, draw	wn to right	
	Two-way draw / One-way draw, drawn to right / One-way draw, drawn to left		opening dimension (W) × 1.03 (reference)
Step 5	Specify the required number of sheets. Ex. Two-way		inyl Curtain width (H) Manufacturing dimension] =
	*Specify—Two-way draw, XXX set (1 set of 2 sheets) / One-way draw, drawn XXX sheets / One-way draw, drawn to left, XXX sheets		pening dimension (H) a> - 20 mm/.79" (reference)
Step 6	Specify optional processing/optional parts.	e fastener	
	Optional processing: Face fastener, Magnet, Slit fastening, Open fastener, Bottom gap filling, Bottom weight chain, Sheet-cutting Grommet (Stainless steel)		20 mm/.79″ (reference)
	Optional parts: Tassel belt with buckle, Stainless steel S-hook		
	*Refer to page 13 for details. *When requesting optional processing, specify the processing position and	imensions in the remarks	column of the order sheet.
How to	Order Curtain Tracks		
Step 1	Specify the curtain tracks type.		Ex. Theatrac / aluminum
Step 2	Specify the required length and the number of pieces.		Ex. 3 m (118"), 1 pc.
Step 3	Specify the required rollers and the number of rollers to be use	d. E	x. Carabiner roller, 15 pcs.
Step 4	Specify the required brackets and number of brackets to be us	ed. Ex. Ceiling	Single Bracket M2, 7 pcs.
Step 5	Specify other parts if needed.		Ex. Cover joint, 1 pc.
	1 7 P		

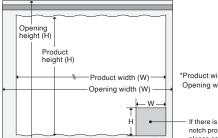
TOSO Vinyl Curtain Order Form

Your Company Name			
Delivery Destination			
	0		
Phone	Contact Per	rson	
Order Date	,	,	
Requested Delivery Date	,	,	
Orden Ne			
Order No.			
Project Name			

Fill in the order form below.

Screen No.	Manufacturing Dimensions	How to Open	Number of Sheets	Optional Processing	Optional Parts	Quantity
	Width × height	Two-way Draw	Set(s)	 Face fastener Magnet Slit fastening Open fastener 	Tassel belt with buckle (Black) Tassel belt with buckle (White)	
	(mm / ″) (mm / ″)	One-way Draw Drawn to Right One-way Draw, Drawn to Left	Sheet(s)	 Bottom gap filling Bottom weight chain Sheet-cutting Grommet (Stainless steel) 	 Tassel belt with buckle (White) Stainless steel S-hook 	
TC-	×					
TC-	×					

*One S-hook (steel) for Stop is included in Vinyl Curtain. *Fill out the details of optional processing in the Remarks.



*Product width (W) = Opening width (W) × 1.03 (reference)

If there is an obstacle and notch processing is required, please specify the size.

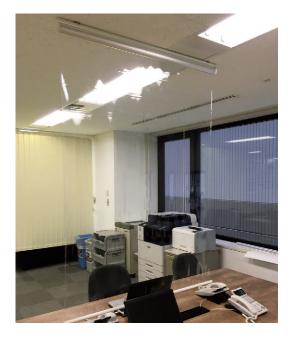
Remarks

For TOSO Office in charge Ordering date

Order No.

Work No.

Vinyl Roller Blind



Partitioning with a Vinyl Roller Blind is effective in preventing droplet infection and does not harm the brightness. Please use it as a preventive measure in various situations for such as reception of face-to-face customers, cashier counters, and partitions between offices and restaurants.



Feature

- Prevents droplet infection while keeping the line of sight.
- It is a Roller Blind type, so it can be rolled up and held when not in use.
- Partitions with Roller Blinds are also effective for heating and cooling.
- The screen is also flame-proof, so please install it with confidence.

	Antibacterial	Recommended Location
防炎	Performance that is essential when used as a Vinyl Curtain or partition sheet for business use, such as in factories and warehouses. Vinyl curtains with flame-proof features are self-digestible and do not spread. TOSO Vinyl Curtains are all flame-proof products.	General building in which an unspecified number of people enter and exit
影響防止	Electrostatic charges generated when the vinyl curtain is opened or closed are released to moisture in the atmosphere to reduce the adhesion of dust, etc. to the curtain surface.	Precision equipment and parts factories, computer server room, food plant, hospital
滋	Suppresses the growth of bacteria adhering to the curtain surface. Suitable for locations where sanitary environments are required.	Food factories, restaurants, hospitals
2000 1000 1000 1000 1000 1000 1000 1000	Reduces the number of certain viruses. Suitable for places where hygienic environment is required.	Hospitals, food factories, restaurants

Anti-virus type TR-V003 is recommended as a countermeasure against droplet infection.



Antivirus

Reduce the number of specific viruses

Antibacterial

Suppresses the growth of Staphylococcus aureus and E. coli

TR-V003 is an antiviral performance SIAA safety standard compliant product. Reduces the number of specific viruses on the product.



-This product is not a drug. -Uses antiviral materials that have cleared SIAA safety standards. -Complies with SIAA safety standards. -Antiviral treatment is not intended to treat or prevent illness.



-This product is not a drug. -Does not suppress the growth of all bacteria. -Uses antibacterial materials that have cleared SIAA safety standards.

The SIAA mark is displayed on products whose quality is controlled and information is disclosed according to the guidelines of the Society of International sustaining growth for Antimicrobial Articles, based on the results evaluated by the ISO 21702 and ISO 22196.



TR-V001

Thickness: 0.3 mm (0.01") Transparent type Material: Polyvinyl chloride (PVC)

Allowable Size	防炎標識此
Product Width (W)	510–1,200 mm (20–47")
Product Height (H)	100–2,000 mm (3.9–79")

*For ordering, round down the nearest 5 mm (.20") in width and 10 mm (.39") in height. *Ratio (W:H), Limit 1:3

*Antistatic products may become slightly fogged.

*Depending on the cutting of the product, the screen may have the logo mark (watermark) of the sheet manufacturer. It is not possible to specify the presence or absence of a watermark and the position.





TR-V002

Thickness: 0.3 mm (0.01") Semi-tansparent type Material: Polyvinyl chloride (PVC)

防炎	带電防止

Allowable Size		防炎開電防止
Product Width (W)	510–900 mm (20–35″)	
Product Height (H)	100–2,000 mm (3.9–79")	

*For ordering, round down the nearest 5 mm (.20") in width and 10 mm (.39") in height. *Ratio (W:H), Limit 1:3

*Antistatic products may become slightly fogged.



TR-V003

Allowable Size

Thickness: 0.3 mm (0.01") Transparent type Material: Polyvinyl chloride (PVC)



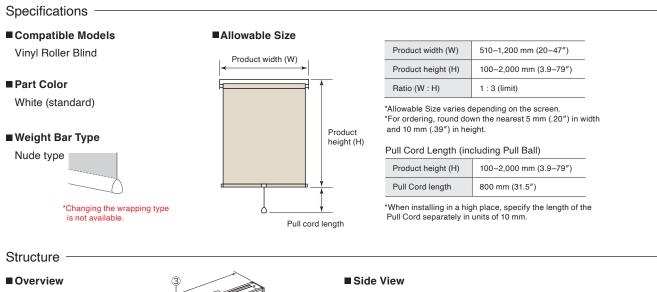
 Product Width (W)
 510–1,200 mm (20–47")

 Product Height (H)
 100–2,000 mm (3.9–79")

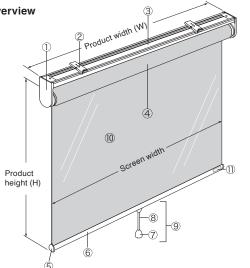
*For ordering, round down the nearest 5 mm (.20") in width and 10 mm (.39") in height.

*Ratio (W:H), Limit 1:3

*Antistatic products may become slightly fogged.



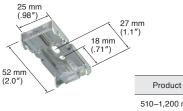
Ceiling Attachn



Parts Name	Materials
1 Side Holder Set	Steel plate press molded product, Molded resin
2 Bracket	Steel plate press molded product, Molded resin
③ Set Bar	Aluminum alloy extrusion material
④ Roller Pipe	Aluminum alloy extrusion material
⑤ Weight Bar Cap	Molded resin
6 Weight Bar	Aluminum alloy extrusion material
7 Pull Ball	Molded resin
8 Pul Cord	Chemical fiber
9 Pull Ball Set	Polyvinyl chloride
10 Screen	Screen
(1) Maintenance Sticker	-

52 mm (2.0'') 27 mm (2.9'') 73 mm (2.0'') 70 mm





22 mm (.87")

Product width (W)	Number of bracket
510-1,200 mm (20-47")	2

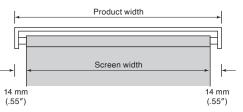
22 mm (.87″)

Wall Attachment

Product Weight

Product width 1,000 mm (39") × Product height 1,000 mm (39") 2.0 kg (4.4 lb)

Product Width and Screen Width





Operating Parts

Pull Grip Set



*If necessary, specify when ordering. No charge required. *When the screen is rolled up, crimp marks may be left on it.

Operationg Baton Set

For pull grip set. Use it when it is out of reach when rolled up in a high window.



🕂 Note

- *The screen surface may have scratch-like traces, drop-like traces, liquid traces, and dullness during the production process. Also, if wrinkles occur, wrinkle traces may remain, due to its characteristics. *The screen is curled or undulated due to its characteristics.
- *You may notice a specific odor from the material on the screen for a certain period of time after installation.
- *When it is wound up, it may leave traces on the weight bar and parts, due to its characteristics.
- *The screen may become cloudy due to temperature differences and humidity changes, due to its characteristics.
- *For TR-V001, depending on the product width, the screen may have the sheet manufacturer's logo (watermark). You cannot specify whether or not to use the logo and the position.
- $^{\ast}\text{TR-V001}$ and TR-V002 do not have antibacterial and antiviral functions.
- *The screen changes with heat and humidity. Do not store or use in places with high temperature, low temperature, or high humidity. *Avoid installing the product near air conditioners, heat or cold air sources, or in direct sunlight, as the screen will expand and contract due to changes in temperature, which will affect product operation.

Vinyl Tapestry

Lineup





Thickness: 0.3 mm (0.01") Transparent type Material: Polyvinyl chloride (PVC)



Product Width (W)	300–1,200 mm (12–47")	
Product Height (H)	100–2,000 mm (3.9–79")	

*For ordering, round down the nearest 10 mm (.39") in width and height.

*Antistatic products may become slightly fogged.

*Depending on the cutting of the product, the screen may have the logo mark (watermark) of the sheet manufacturer. It is not possible to specify the presence or absence of a watermark and the position.

TOSO



TR-V002

Thickness: 0.3 mm (0.01") Semi-tansparent type Material: Polyvinyl chloride (PVC)

Allowable Size

Product Width (W)	300–900 mm (12–35")
Product Height (H)	100-2,000 mm (3.9-79")

*For ordering, round down the nearest 10 mm (.39") in width and height.

*Antistatic products may become slightly fogged.

TR-V003

Thickness: 0.3 mm (0.01") Transparent type Material: Polyvinyl chloride (PVC)



Enlarged photo

Allowable Size

Product Width (W) 300–1,200 mm (12–47")

 Product Height (H)
 100–2,000 mm (3.9–79")

 *For ordering, round down the nearest 10 mm (.39") in width and height.

*Antistatic products may become slightly fogged.

TR-V003 is an antiviral performance SIAA safety standard compliant product. Reduces the number of specific viruses on the product.



JP0612873X0001J



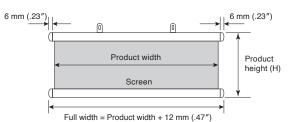
JP0122873X0001F

products whose quality is controlled and information is disclosed according to the guidelines of the Society of International sustaining growth for Antimicrobial Articles, based on the results evaluated by the ISO 21702 and ISO 22196.

The SIAA mark is displayed on

Specification

Overview



Part Color

Aluminum



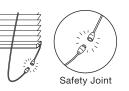
Aluminum alloy extrusion material / Alumite finished

How to Order / Vinyl Roller Blind and Vinyl Tapestry				
_				
Step	Specify the product.	ex. Vinyl Roller Blind		
2				
Step 🖊	Specify the screen number.	ex. TR-V001		
2	Specify the dimensions (width and height) of the product,			
Step 3	round down the nearest 5 mm width and 10 mm in height.	ex. width: 800 mm (31"), height: 1,000 mm (39")		
	*For the Vinyl Tapestry, round down the nearest 10 mm (.39") in width and height.			
	Specify the installation method (ceiling or wall attachment).			
Step 4	(Vinyl Roller Blind only)	ex. ceiling attachment		
Step 🕽	Specify the part color. (Vinyl Roller Blind only)	ex. brown		
	*If not specified, it will be white.			
	*For clear tapestry, the only part color is aluminum.			
Step 6	Specify the quantity.	ex. 1 roller blind		
Step 7	Specify optional parts if necessary. (Vinyl Roller Blind only)	ex. pull grip set		
	*See page 27 for details on options.			

For Safe Use of Blind

Japan Window Blind Association prepares the following safety devices to give safe use of blinds and shades at home with young children.

• Safety Joint This part comes apart when the weight of a child is applied to the Cord.



Caution
 O A child can take an unexpected action.
 Do not bring your common sense into his or h

Do not bring your common sense into his or her behavior. Do not let him or her play with the Cord or the Chain.

Marning_

S The Cord or the Chain can wind around your child and he or she may entangle it. It may lead to an hazardous accident.

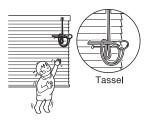


\land Warning____

O If the bottom cord does not come off, the child will be caught. It may lead to an hazardous accident.

Japan Window Blind Association

• Safety Tassel A device for bundling the Cord or the Chain. By bundling it to keep out of children's reach, it will reduce the risk of an accident.



\Lambda Warning-

If the Cord is not bundled with the clip, the Cord or the Chain may wind around or get caught on the child's body, which may lead to an hazardous accident.

🔥 Warning

If you have a young child, never put a sofa or bed near the Cord or Chain of a blind or shade. Your child may climb up the sofa or bed and will reach the Cord or Chain, which can cause a serious accident.



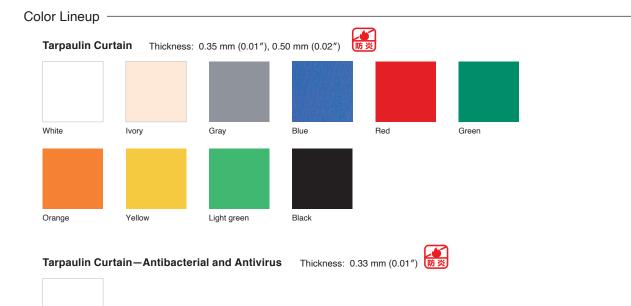
A Safety Joint or tassel will reduce the risk but not eliminate it 100%. Be aware of the possible risk of Cord or Chain and use it with care.

Tarpaulin Curtain / Related Products

A color tarpaulin that can be used as an outdoor sunshade or rain shield.

Since it is not transparent, it is convenient when hiding equipment and products with curtains. It can also be used outdoors as a protective cover for material storage.





White

UV cut

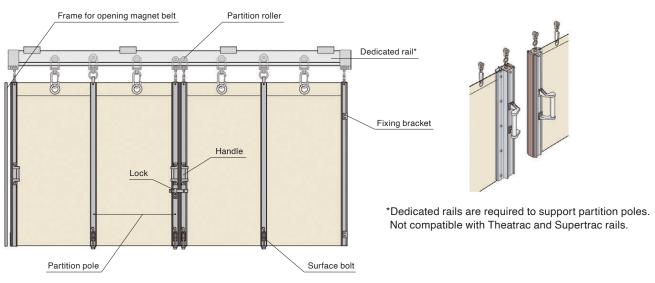


Partition Pole / Related Products

Vinyl curtains with a partition pole makes it easy to open and close, giving neat and tidy impression. Energy-saving effects can also be expected by increasing airtightness.



Structure



Color Variations



Project Reference



Notes for Vinyl Curtain



Note

*The Vinyl Curtain is not designed for extremely low or high temperatures.

*When cleaning the vinyl curtain, use a mild detergent and wipe it off with a soft cloth or sponge.

*Vinyl Curtains may become cloudy when exposed to water for a long

period of time, but they will return to their original state when dried. *If you are allergic or sensitive to skin, use caution when using the product.

*Do not hang on the product. Otherwise, the product may be damaged or dropped.

*Bundle the vinyl curtains when storing in strong winds.

- *Never use the product near a fire.
- *The color of the product photos is printed and may differ slightly from the actual product.
- *Specifications may be changed or abolished without prior notice due to various circumstances.

*We are not responsible for any malfunction or damage caused by improper use, improper repair or modification, or use of non-genuine parts.