



SUPERSTORE FIXTURE EXPERT



PUSHER

Roller Shelf Series

What solutions we have now

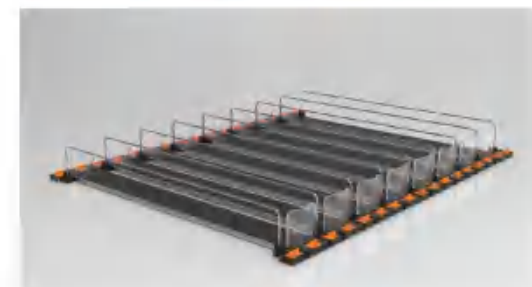
Innovative Type



Good use
experience

Movable Roller Shelf

Diameter of rollers: 4.5mm
Just open the switch, the dividers and roller shelf can be moved to any position, which is more convenient and faster than the regular type.



Solid Type

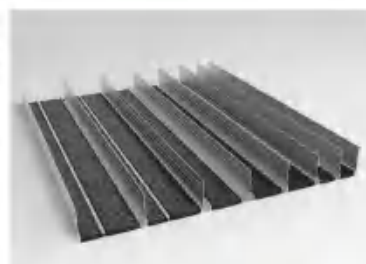
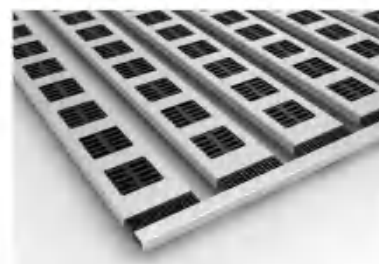
Aluminum Roller Shelf

Diameter of rollers: 4.5mm / 5.5mm

Customers can choose different Aluminum groove options according to actual needs, such as concave-convex aluminum groove/Enhanced aluminum groove, etc. (For more information, please see [page 23-28](#).)



Various
options
available



Cost-effective Type



Economical

Plastic Roller Shelf

Diameter of rollers: 4.5mm / 6.5mm
The grill is responsible for loading, roller shelf is responsible for gliding. Isn't that the core function of this product?



Applicable
Temperature
0°C - 85°C



Applicable Scenarios: Freezers/Supermarket Shelves
Storage Shelves/Automation Equipment
Unmanned Vending Machine

Applicable Temperature: 0°C - 85°C

Applicable Products: Beverages/Snacks/Cans/Care products

Applicable Product Features:

- ⊙ Products have enough space can be contact with rollers;
 - ⊙ Products with flat bottom rather than un-shaped;
 - ⊙ Products weight not too light.
- Undesirable Situations:**
- ⊙ The bottom of the bottle has a special shape or pattern, such as the bottom of the five-petal vase, the bottom of the glass bottle, the Tetra Pak carton package, etc.
 - ⊙ The product is too light or the contact space is too little.



Gliding Track Series

What solutions we have now

Universal Type

Plastic Slider

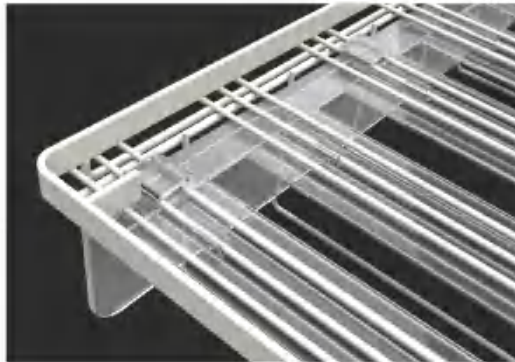
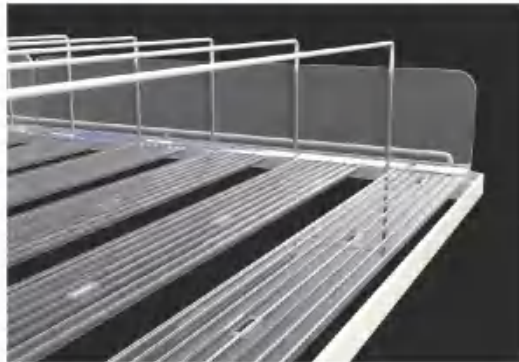
Advantages:

- ⊙ Flexible size and high versatility, Plastic Slider and Plastic Divider are breakable
- ⊙ Both Width and Depth dimensions can be extended
- ⊙ Applicable Beverage: PET bottoms / Cans / Boxes
- ⊙ Several options of divider and stopper, no need to open the mold
- ⊙ Matching Date Strip and grill, we can provide complete solution

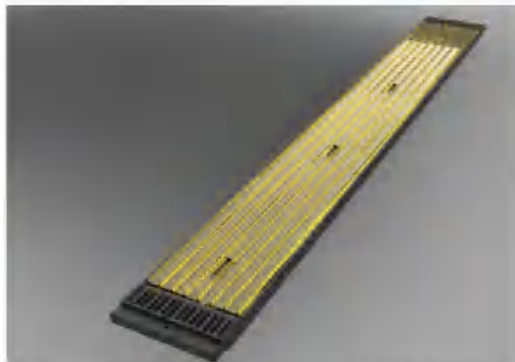
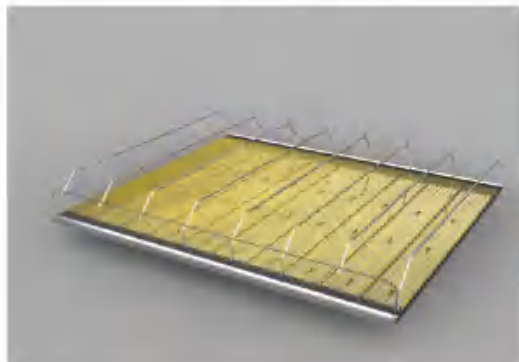


Cost-effective Type

Gliding Track - Snap-on type



Gliding Track - Plastic-base type

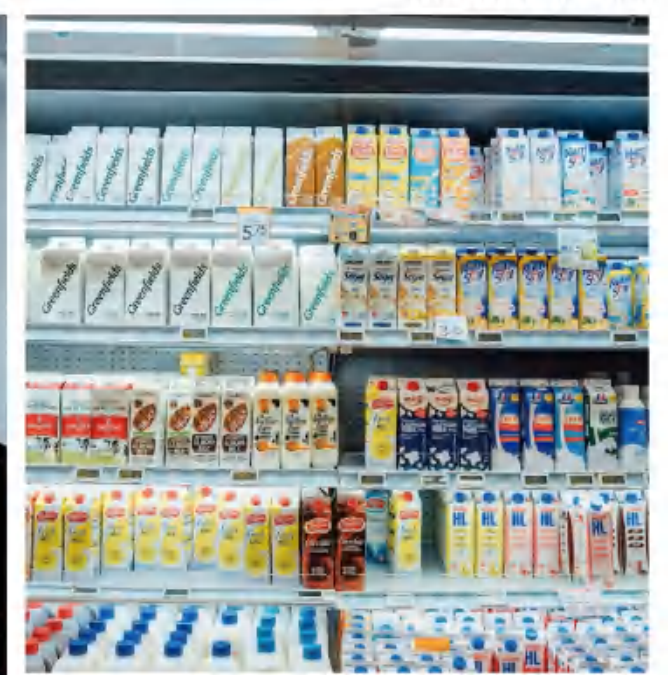


Advantages:

- ⊙ Customized for PET bottles, the sliding effect is PERFECT, and the price is competitive
- ⊙ Injection molding, high production efficiency



Applicable
Temperature
-30°C - 70°C



Applicable Scenarios: Beverage Cooler / Air
Curtain Refrigerator / Supermarket Shelf

Applicable Temperature: -30°C - 70°C

Applicable Product Features:

- ⊙ Beverage bottles have special shapes on the bottom, such as "five-petal flowers" shape and non-slip strips;
- ⊙ Paper material.



Pusher Series

What solutions we have now

Innovative Type

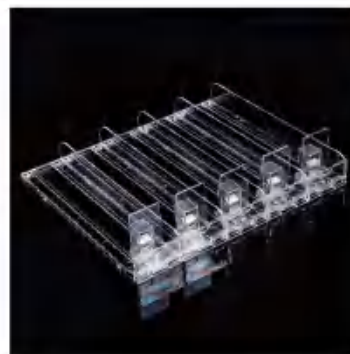
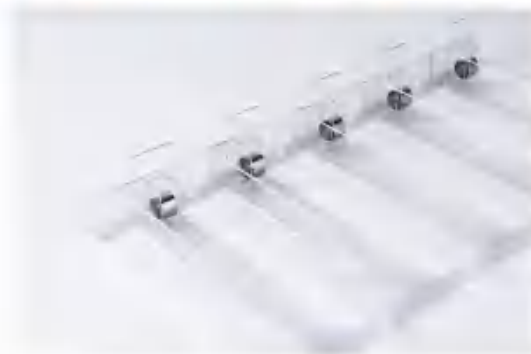


EASYMOVE Pusher

Advantages:

- ⊙ Press the switch to unlock, after unlocking, move to the position what you want, and the pusher will automatically lock when you let go
- ⊙ The front stopper can be overturned, and the goods can be pushed in horizontally during replenishment, which greatly improves the efficiency.
- ⊙ The push head supports 180° rotation, and customers can adjust according to different product width and height
- ⊙ The plastic divider can be adjusted as shelf size by breaking off, it can improve the versatility of the product.
- ⊙ The Easy-move pusher are trackless design, which slides more smoothly
- ⊙ No rear rail design, faster adjustment
- ⊙ Customers can combine the Easymove pusher-Unilateral Type or Bilateral Type, according to their needs

Cost-effective Type



Combined pusher & Intetrated pusher

Advantages:

- ⊙ The size is flexible and accessories can be customized according to different products
- ⊙ Simple and generous appearance, low cost



Applicable Scenarios: Shelves

Applicable products:

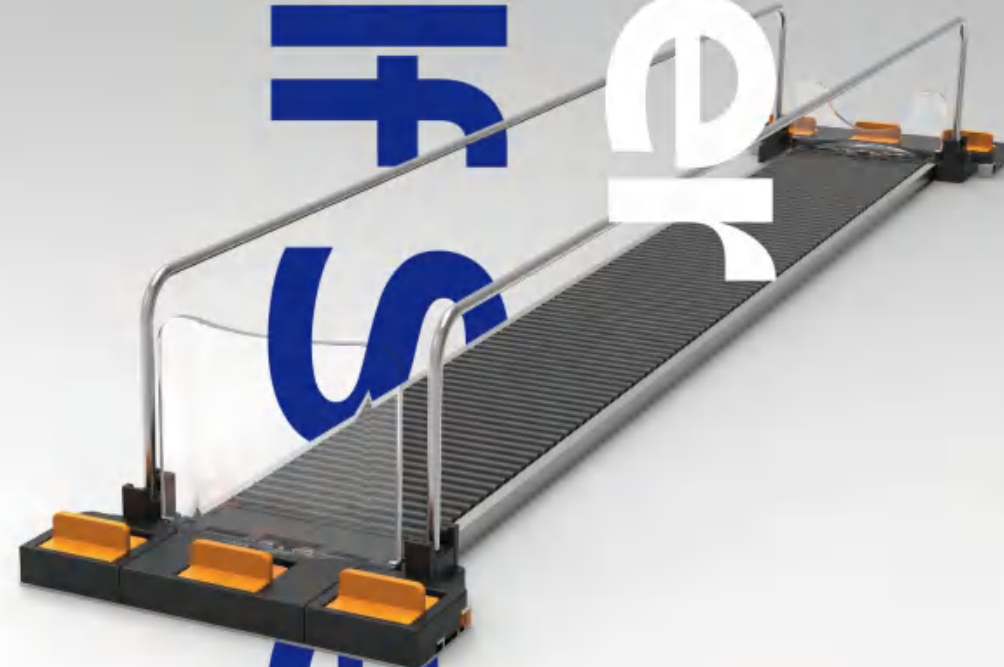
Cigarette / Cosmetics / Bagged items
Boxed items / Beverage

Applicable Product Features:

- ⊙ The bottom of products are irregular or very small
- ⊙ The weight of products are very light



Roller shelves series



How It Works

Gravity feed roller shelf system is a display solution of store. At a tilt angle of 4-6 degrees, customers pick up the goods, and the goods in the back will automatically slide to the front end with its own gravity, so that realize automatic fill function.



Applicable Scenarios

freezers/supermarket shelves/storage shelves/automation equipment/unmanned vending machine



Applicable Products

Beverages / Snacks / Cans / Medicine / Care products



Beverages



Snacks



Cans



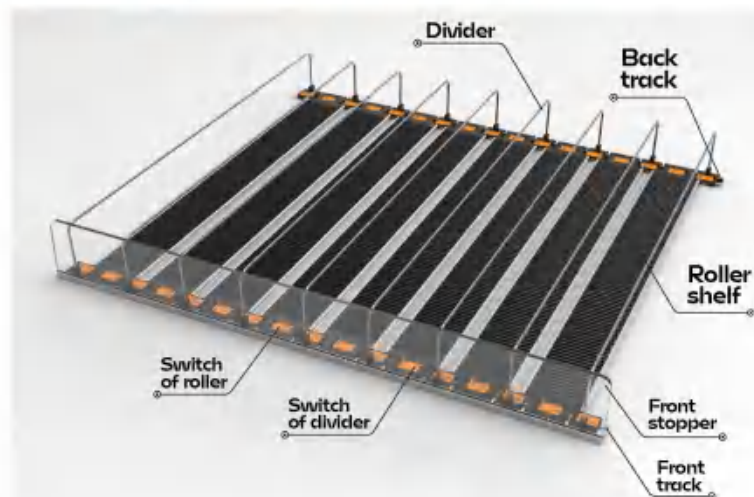
Care products



Medicine

Movable Aluminum Roller Shelf

EASYMOVE Aluminum Roller Shelf



In market, the aluminum roller shelf mainly have two styles usually :

- ① One sheet filled with full rollers + plug-in dividers, this option meets the needs of customers to adjust the spacing of the partition strip according to different product size, but there are also many customers who think that the cost are quite high.
- ② So another option developed, that is the non-full rollers shelf which generally used with double-layer shelves, with rollers each row, the cost of this plan is lower, but the flexibly adjust the spacing of the dividers are not perfect enough, which will lead to not suitable for big bottles, and the space is not used fully for products in small bottles.
- ③ Based on this situation, TROND has developed a variety of adjustable slides and applied for a number of invention and utility model patents, this project mainly through the cooperation of snap switch and rack to achieve lateral horizontal movement of the slide, so that it can not only meet the customer's requirements for cost, but also allow customers to adjust the display according to the actual situation.
- ④ **With our new solutions, customers only needs three steps to complete: unlock → move → fixed**, no longer need to repeatedly plug and unplug the dividers and front, and rear alignment holes, which not only improves the efficiency , but also avoids the sliding effect due to improper operation.



Specification

Diameter of rollers: 4.5mm

Width: 60mm

Depth: can be customized

Thickness: 7.5mm

Material: HIPS / ABS / OEM

Color: Black+Orange / Grey+ Orange / OEM

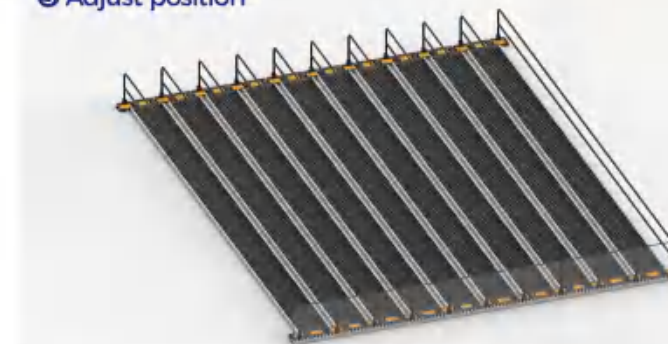
Complete assembly



2 Unlocking



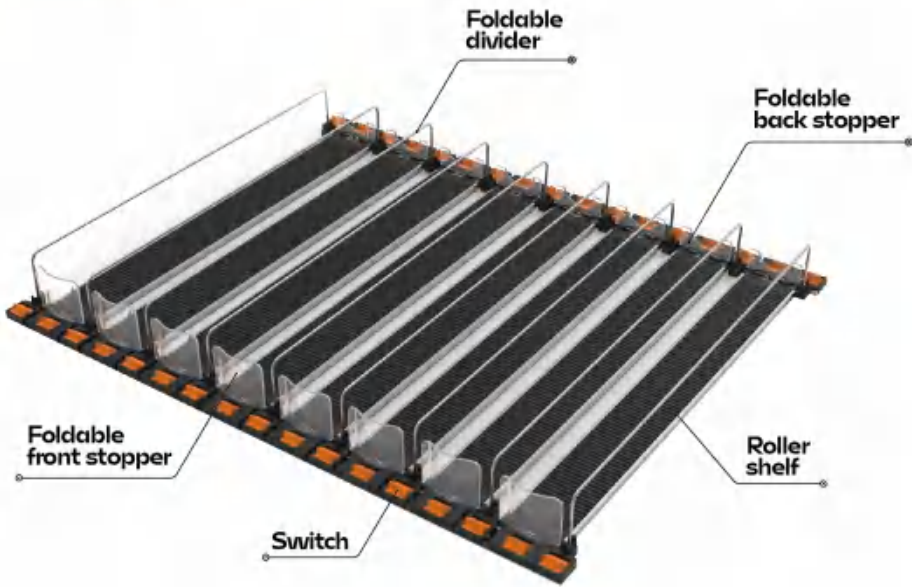
3 Adjust position



5 Finished State



CAN-GO Aluminum Roller Shelf



CAN-GO Roller Shelf

in addition to continuing the functions of the EASYMOVE Roller Shelf design, also adds many thoughtful and creative designs, such as:



- ⦿ Each roller shelf is set up with an independent **curved transparent front stopper**, the appearance design is more beautiful, and it supports silk screen printing to custom your LOGO.
- ⦿ **The dividers and stoppers can be flip down**, which not only greatly improves the replenishment efficiency , but also saves packaging space and transportation costs, and reduces the breakage rate.
- ⦿ The unlocking motion is a pull-push switch, which is set at the front, it will be **more easier to adjust** the goods for workers.
- ⦿ The width of the roller is **60mm**, it will let the goods have more contact space with rollers.
- ⦿ We will assemble and ship the whole set with customized Shelf according to the customer's display needs. When customer receives the roller shelf, there is no need to do the cumbersome installation, just place it on the freezer and it will work. The whole process only takes **30s**.



Specification

Diameter of rollers: 4.5mm

Width: 60mm

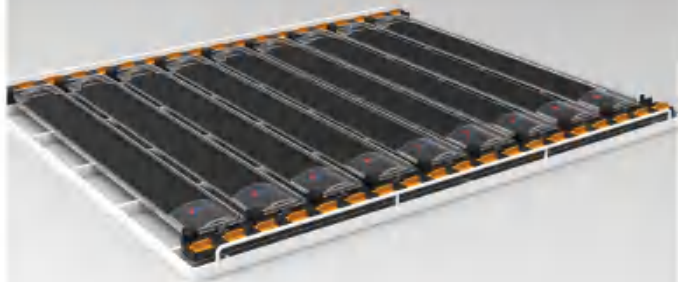
Depth: can be customized

Thickness: 7.5mm

Material: HIPS / ABS / OEM

Color: Black+Orange / Grey+ Orange / OEM

1 Original state



2 Turn up the dividers



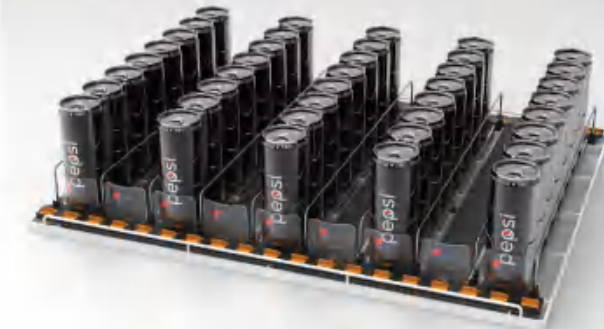
3 Dividers standing state



4 Turn up the stoppers



6 Finished State



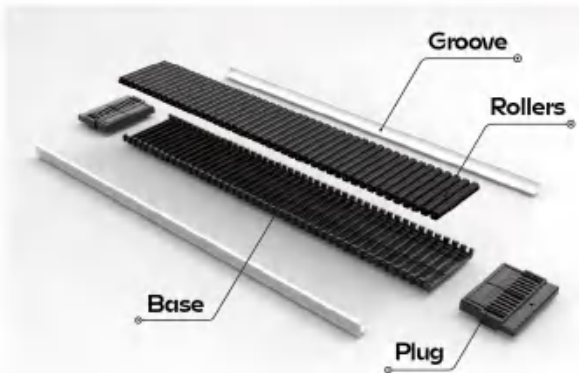
5 Replenish

Aluminum Roller Shelf

Standard Version



- ⊙ The standard aluminum roller is one of the most common roller slides on the market, and our aluminum roller shelf has excellent loading capacity and impinging resistance, mainly due to the aluminum grooves and 5.5mm diameter rollers.
- ⊙ At the same time, we have a unique **roller detachable structure design**, the rollers in the transportation process or daily use will not fall off, and customer can replace them very easily with regular tools if necessary, which can undoubtedly reduce the customer's after-sales cost and improve the service life of the product.

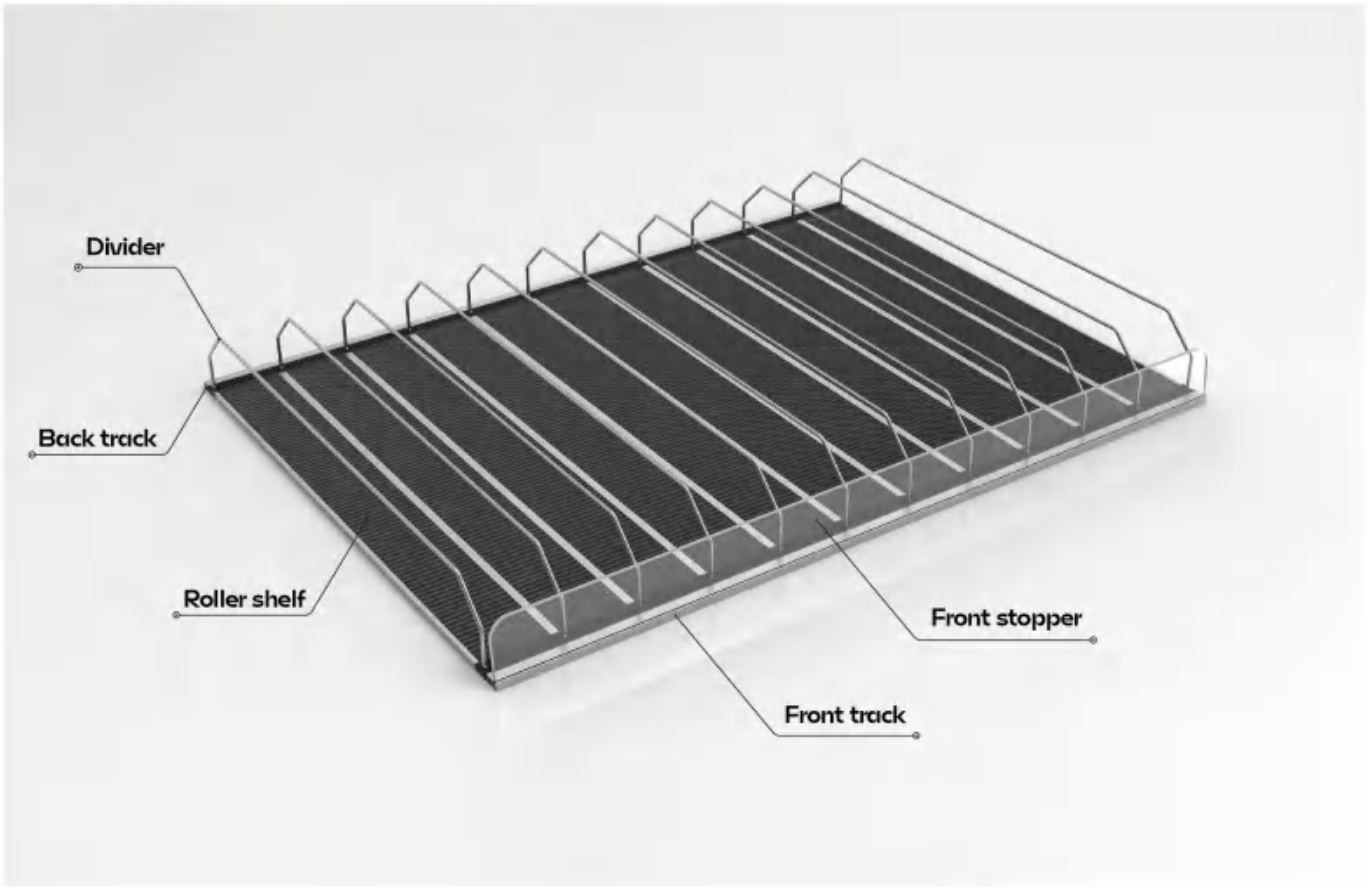


Specification

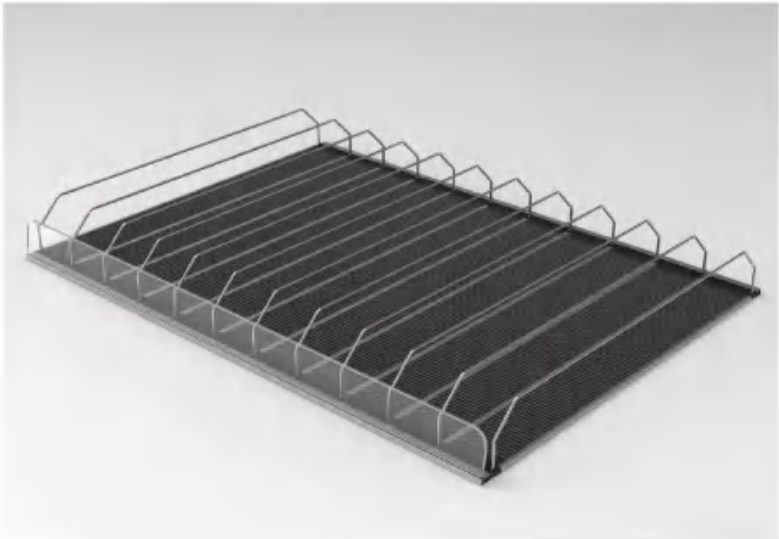
Diameter of rollers: 5.5mm
Width: 50mm / 30mm
(Joint one to each other to meet the demand)
Depth: can be customized
Thickness: 9mm
Weight: 7.5kg / m ²
Material: HIPS / ABS / OEM
Color: Black / Grey / OEM

5.5mm

Lite Version



Lite version aluminum roller shelf has the advantage of lower cost, it was recognized by customers when we launch it. Customers send us very good feedback, because it has the same function as standard type, but the Lite Version can bring more space for merchandiser, and it will greatly help to increase sales opportunities too.



Specification

Diameter of rollers: 4.5mm
Width: 60mm / 50mm
(Joint one to each other to meet the demand)
Depth: can be customized
Thickness: 7.5mm
Weight: 4.5kg / m ²
Material: HIPS / ABS / OEM
Color: Black / Grey / OEM

4.5mm

Shelving Solutions

Solution A:

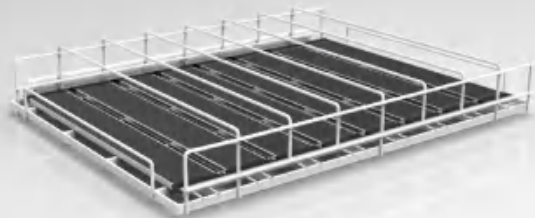
Features of shelf: Have no dividers and front stopper.

Features of roller shelf: There is no gap between the roller shelves.

Accessories: Use with dividers and front stopper.

Features of solution :

- ⊙ Strong universality, good sliding effect, The dividers can be adjusted flexibly according to different product sizes
- ⊙ Strong integrity and appearance atmosphere



Solution B:

Features of shelf: Have no dividers and Front stopper

Features of roller shelf: Place one roller shelf in each column and keep a certain distance between them.

Accessories: No need dividers and front stopper accessories

Features of solution B:

- ⊙ Can be customized according to different shelf sizes
- ⊙ High cost performance
- ⊙ Dividers cannot be adjusted to different product sizes

Solution C:

Features of shelf: Have no dividers and Front stopper

Features of roller shelf: Place one roller shelf in each column and keep a certain distance between them, and place plugs for inserting dividers

Accessories: Use with dividers and front stopper

Features of solution C:

- ⊙ Can be customized according to different shelf sizes
- ⊙ Dividers can be adjusted within a certain range

Optional Accessories

Plug Solutions

Plug A

Applicable Situation: Single strip, no need to joint together and matching dividers



Plug B

Applicable Situation: Single strip, no need joint together and matching dividers, but need to be connected with shelf.



Plug C

Applicable Situation: 2 strips use, no need joint together, need dividers and front board, and need to be connected with shelf.



Plug D

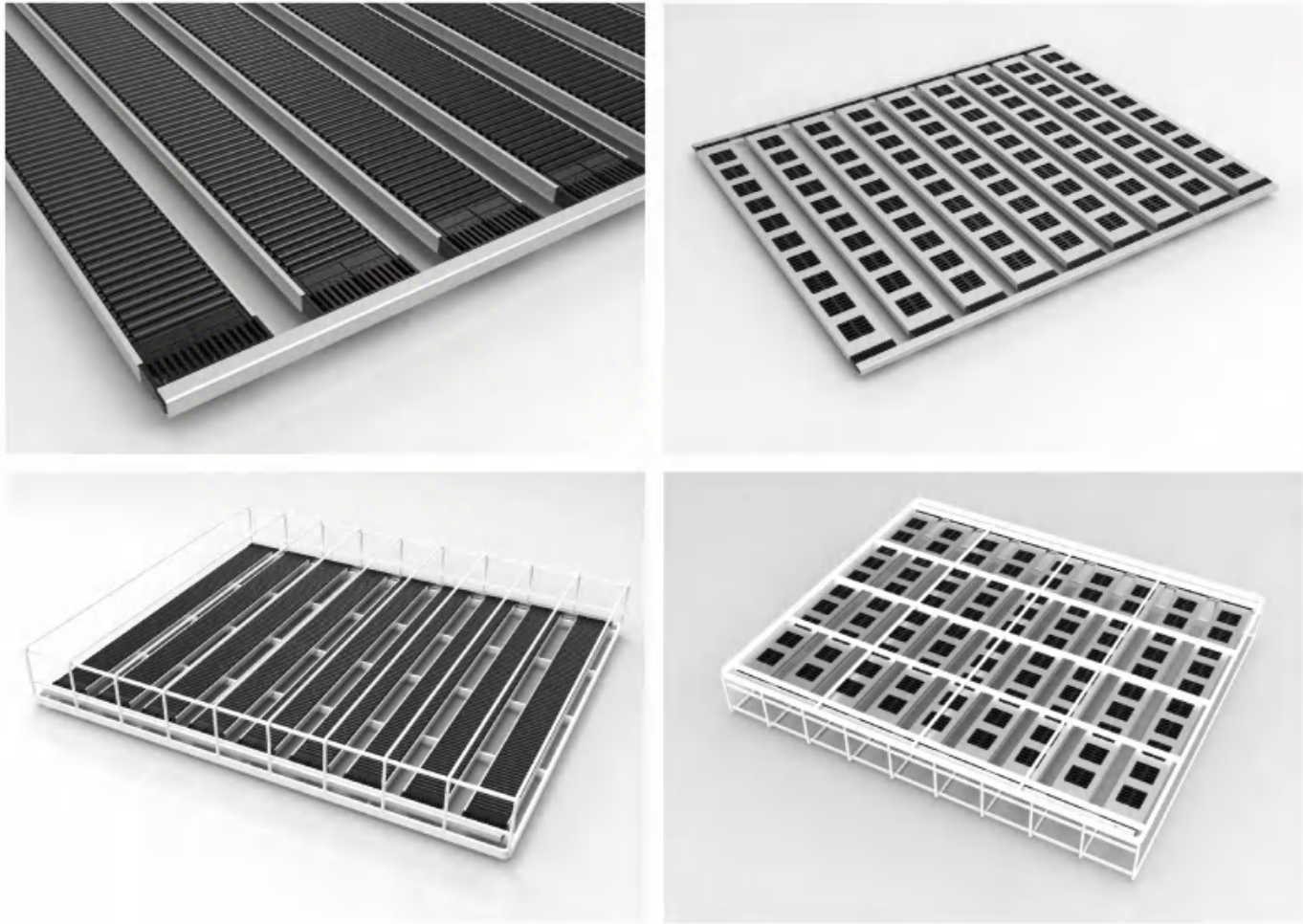
Applicable Situation: Assemble into layer to use, no dividers needed.



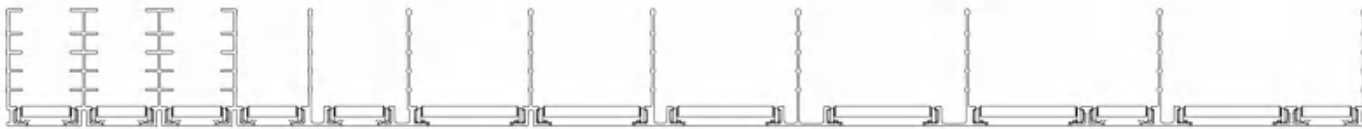
Aluminum Groove Solutions

Enhanced Aluminum Groove

Scenarios: Requires the roller shelf have better load capacity



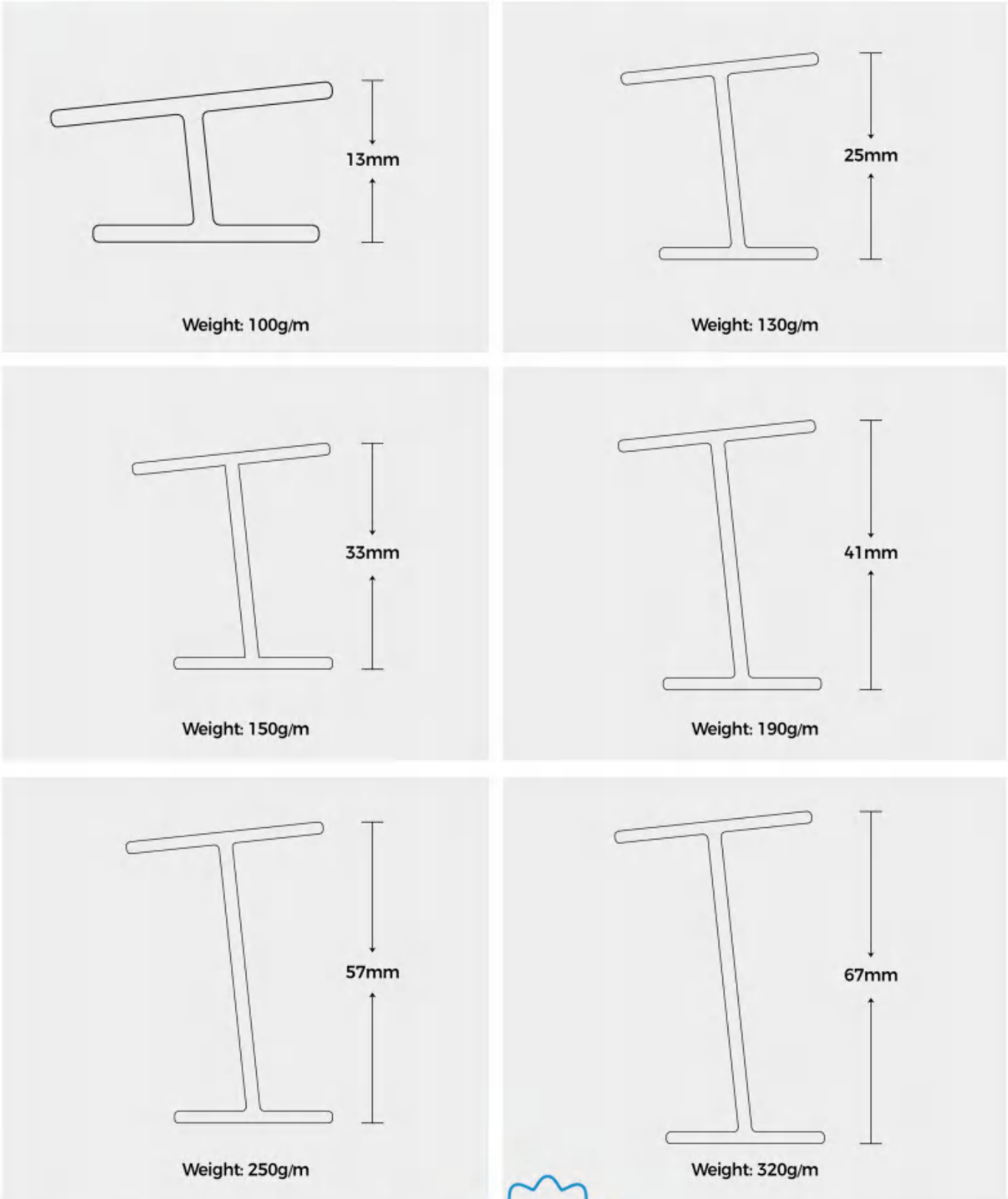
Baffle-Type Aluminum Groove



Applicable Situation

When the depth of shelf requires to exceed 1000mm, regular dividers may sway due to not strong enough for such long depth shelf, with the integrated extrusion molding of the baffle and the aluminum slot will avoid this concerns.

Riser Solutions



Height: 13mm / 25mm / 33mm / 41mm / 57mm / 67mm
Material: Aluminum 6063-T5
Surface : Aluminum/Oxidized silver



Plastic Roller Shelf

Standard Version



The development of Standard Plastic Roller Shelf, comes from the customer's desire to have more cost-effective roller slide product solutions, so TROND has developed this injection molding integrated plastic slide in response to the market demand, and its size can meet from **400-550mm**. The diameter of the rollers is up to **6.5mm**, so the rollers have good impact resistance. At the same time, the rollers still retain the detachable structure design, the rollers in the transportation process or daily use will not fall off, and customer can replace them very easily with regular tools if necessary, which can undoubtedly reduce the customer's after-sales cost and improve the service life of the product.

6.5mm

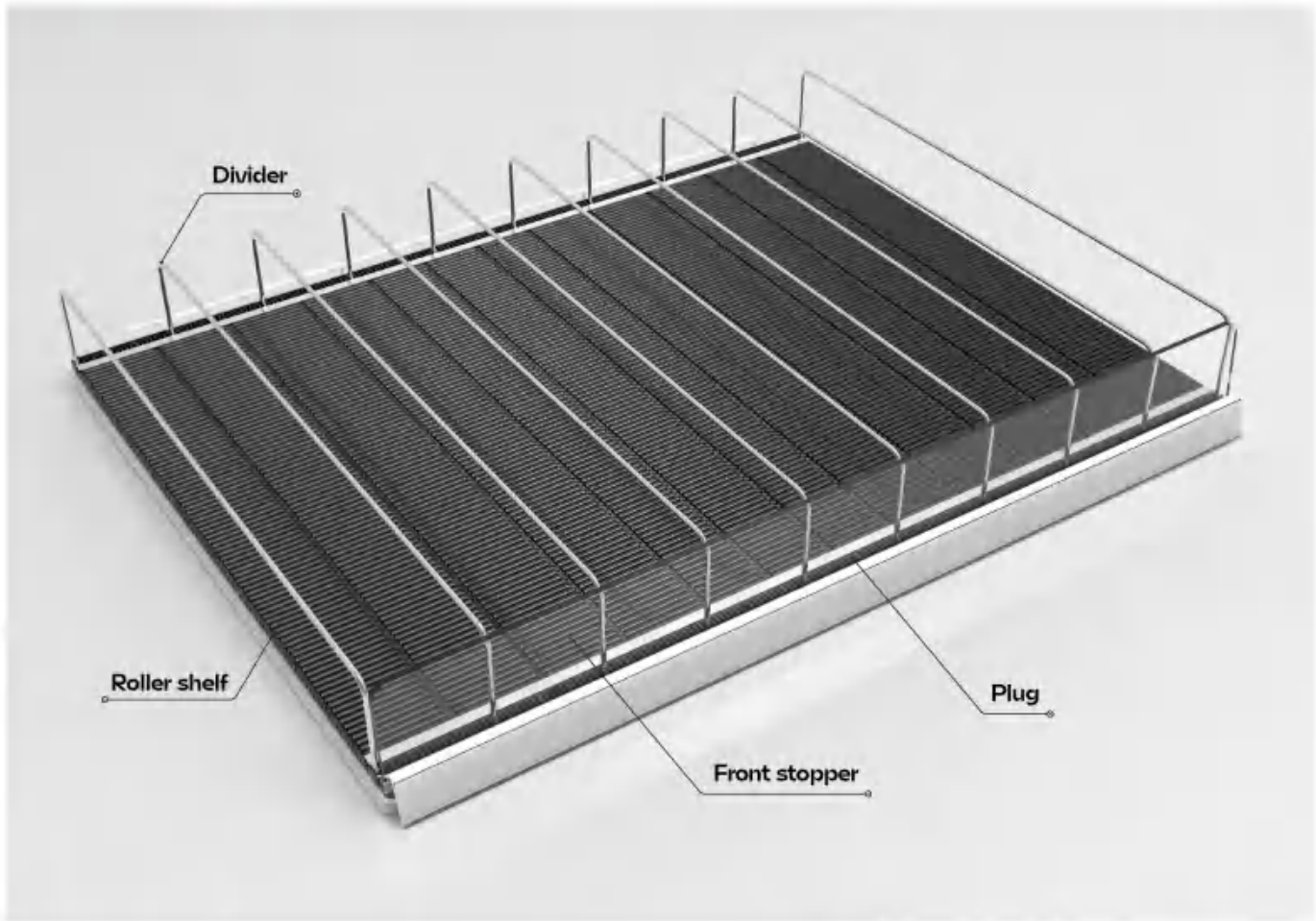
Specification

Diameter of rollers: 6.5mm
Width: 50mm / 30mm
(Joint one to each other to meet the demand)
Depth:
W50:406.5mm / 427.5mm / 448.5mm / 455.5mm / 476.5mm
490.5mm / 497.5mm / 518.5mm / 539.5mm / 546.5mm
W30:476.5mm / 497.5mm / 518.5mm / 539.5mm / 547.5mm
Thickness: 10mm
Weight:7.2kg/m²
Material: HIPS / ABS / OEM
Color: Black / Grey / OEM

Plastic base

Roller

Lite Version



Today, shoppers expectation are higher. They demand value, fast convenient shopping, and sustainability is quickly becoming a basic expectation. customers need to maintain absolute competitive advantage, this Lite Version plastic roller shelf uses 4.5mm diameter rollers, by splitting the plug head structure, this design can be selected according to the customer's needs for separation accessories, which can not only accurately meet the needs of customers, but also achieve the ultimate cost performance.

4.5mm

Specification

Diameter of rollers: 4.5mm
Width: 57mm / 47mm
(Joint one to each other to meet the demand)
Depth: 259mm-484mm / OEM
Thickness: 7.5mm
Weight: 4kg/m²
Material: HIPS / ABS / OEM
Color: Black / Grey / OEM

Separation scheme

Dividers



Stainless steel dividers

Type: One layer wire divider Or Two layers wire divider

Material: 304 stainless steel / OEM	Height: 60mm / OEM	Color: Silver
Length: Suitable with roller shelf mat	Diameter: 3.0mm / 3.5mm / 5.0mm	



Iron dividers

Type: One layer wire divider Or Two layers wire divider

Material: Iron	Height: 60mm / OEM	Color: Black
Length: Suitable with roller shelf mat	Diameter: 4.0mm / 5.0mm	Coating: Electrophoresis

Panel Divider



Aluminum Divider Panel

Length: Suitable with roller shelf mat	
Height: 50mm / OEM	
Thickness: 1.2mm	Material: Aluminum 6063-T5
Color: Silver	Coating: Anodizing oxidation

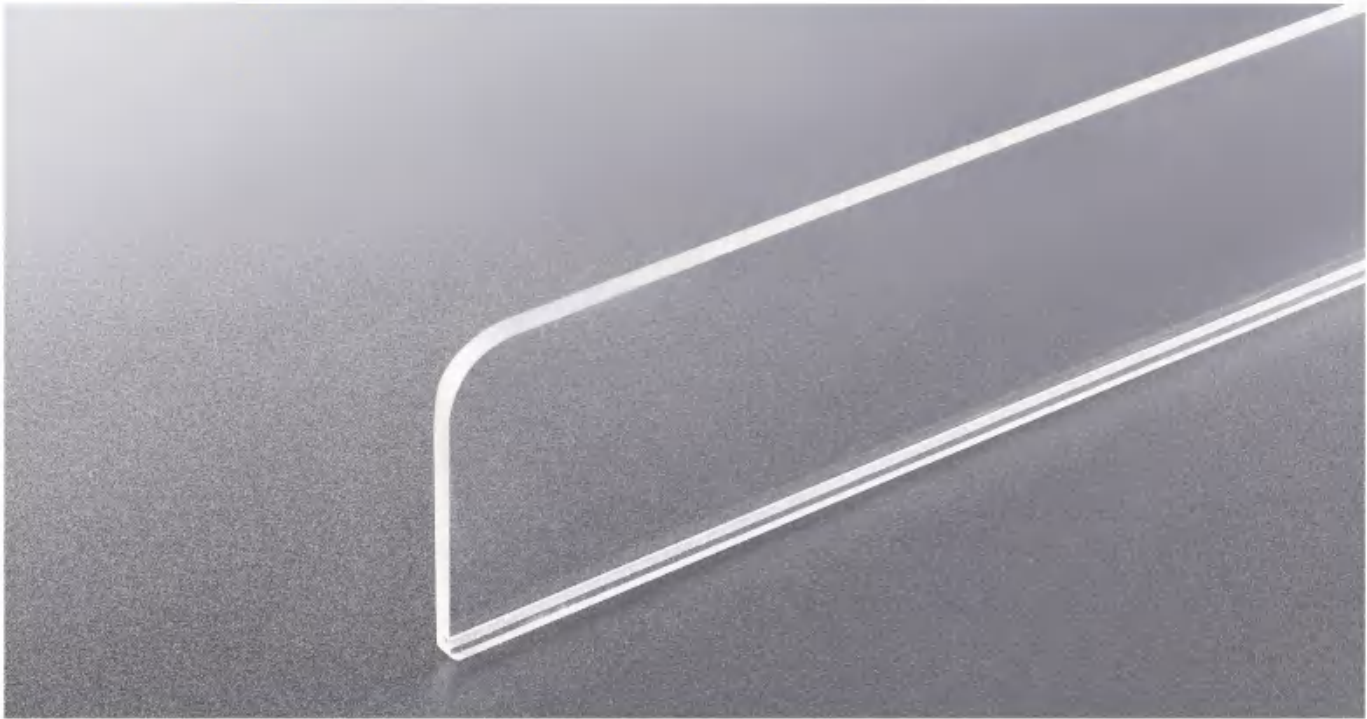


Enhanced Aluminum Divider Panel

Type: With strips improve the strength	
Length: suitable with roller shelf mat	Height: 35mm / OEM
Thickness: 5mm	Material: Aluminum 6063-T5
Color: Silver	Coating: Anodizing oxidation

Front & Back stopper

Board-Type



Material: PMMA / PS / PC	Design: Regular / OEM	
Length: Suitable with roller shelf mat	Custom logo with silk print	Height: 50mm / 70mm / 90mm / OEM

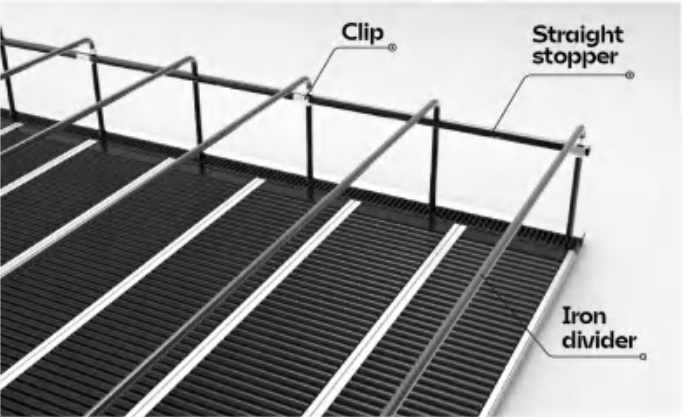
Strip-Type

Option A

Material: Stainless steel / Iron

Length: Suitable with roller shelf mat

Diameter: 5.0mm



Option B

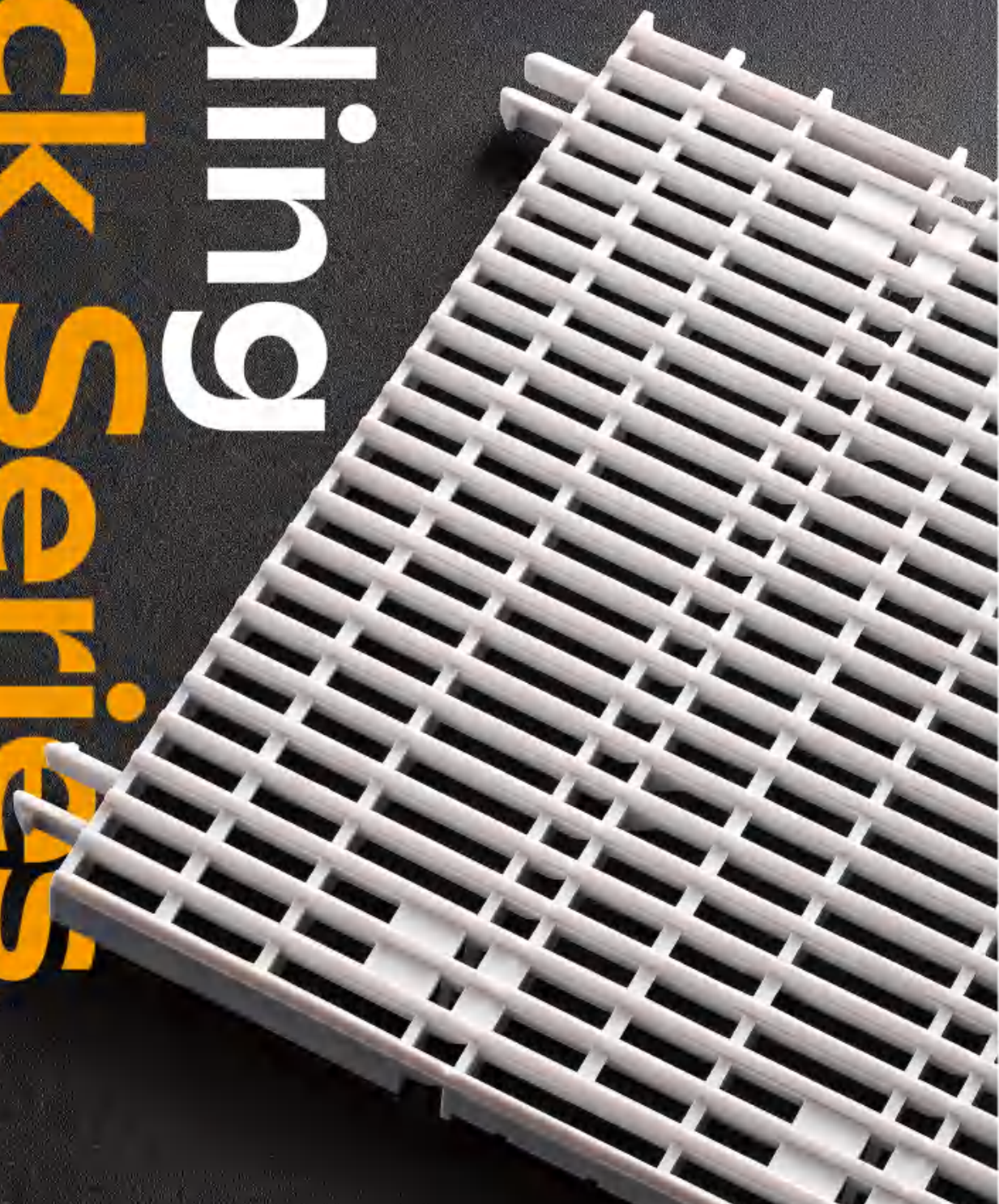
Material: Stainless steel / Iron

Length: Suitable with roller shelf mat

Height: Depend on length

Diameter: 5.0mm

Gliding Track Series



How It Works

Several edges on the top of the glide board reduce the contact surface with the bottom of the product, thereby reducing friction. At an inclination angle of 5-6 degrees, after the front-row goods are picked up, the rest of goods due to its own gravity to automatic replenishment function.



Advantages

- High versatility, can adapt different size according to the products, cans, boxed products, snacks and so on.
- Good price
- Can be used at sub-zero temperatures
- Easy to clean and maintain
- Easy after-sales replacement
- Higher productivity



Application Scenario

freezers / supermarket shelves / storage shelves / automation equipment / unmanned vending machine



Applicable Products

Beverages / Spices / Dairy products / Care products / Medicine



Beverages



Spices



Dairy products

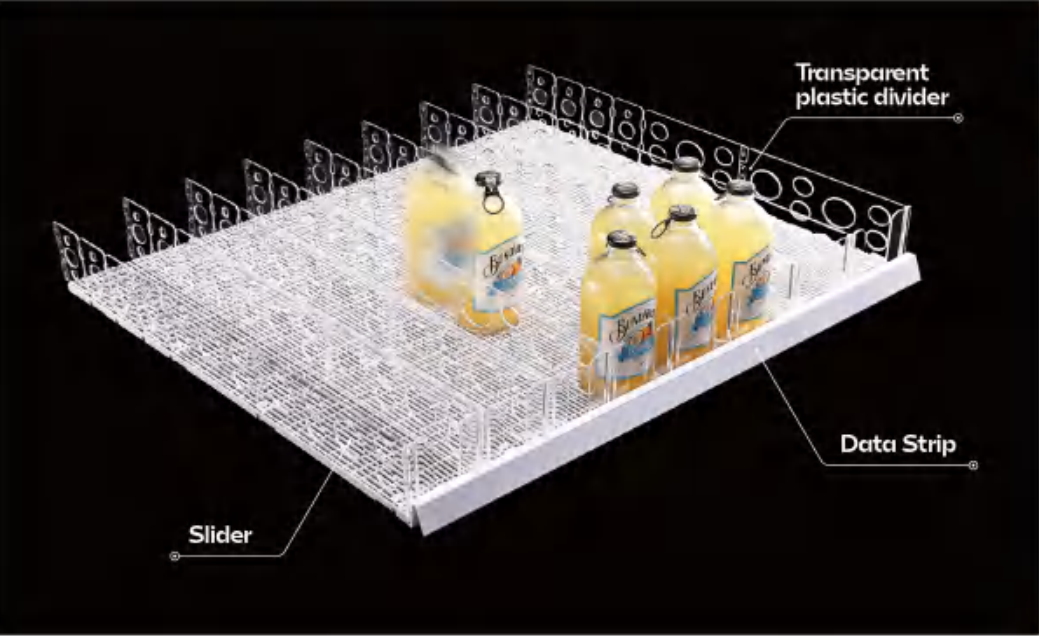


Care products

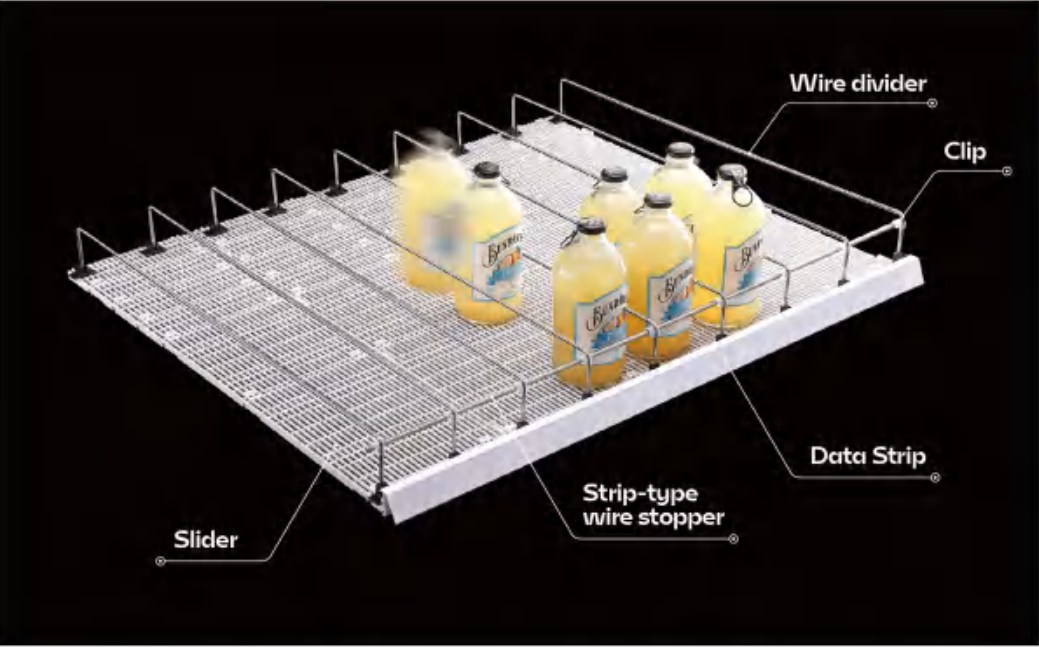


Medicine

Plastic Slider



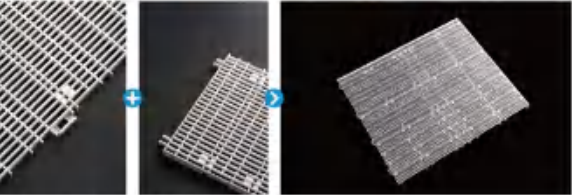
With
Transparent
Plastic Divider



With Wire
Divider

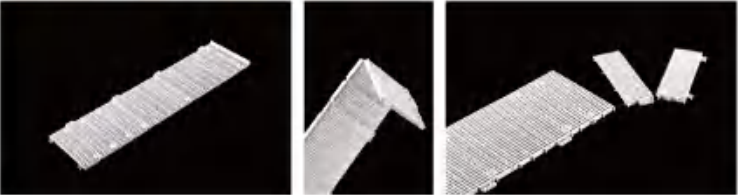
The SLIDER design is very flexible to meet different size shelves, not only can be horizontal and longitudinal splicing extension, but also the SLIDER and Transparent dividers can be breakaway to fit the shelf size, which can greatly reduce the customer's material management difficulty and cost. At the same time, this design provides a variety of separation and front-end solutions, so customers can choose according to their actual needs

Structure Of Combining



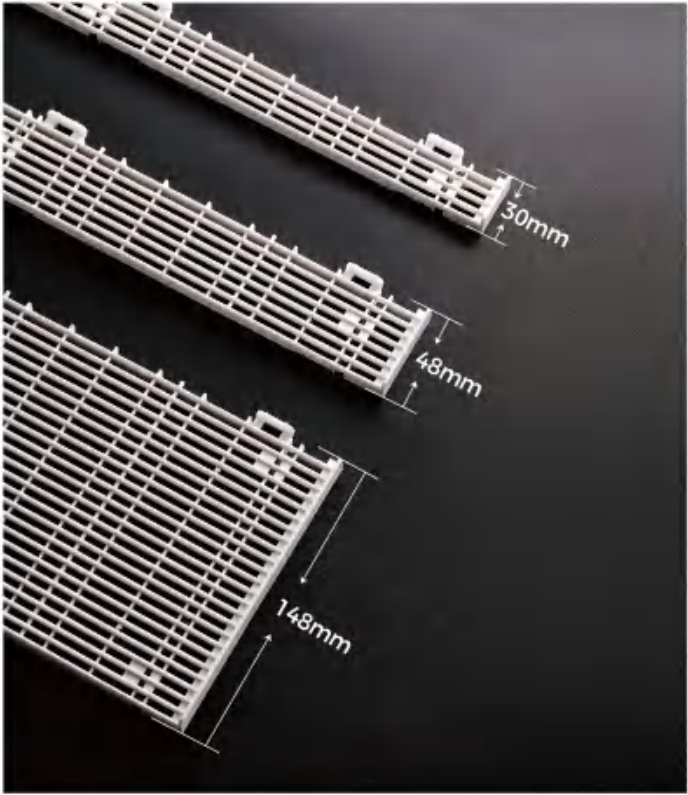
Extension of width Extension of depth

Breakable Structure



Component

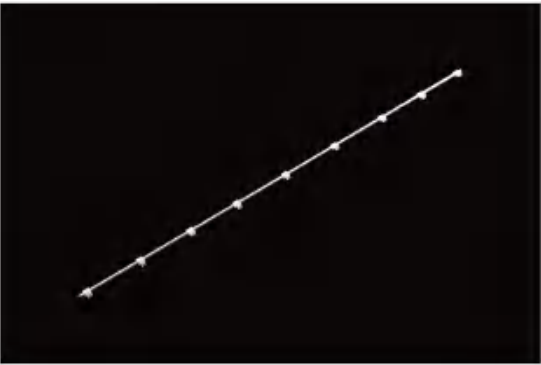
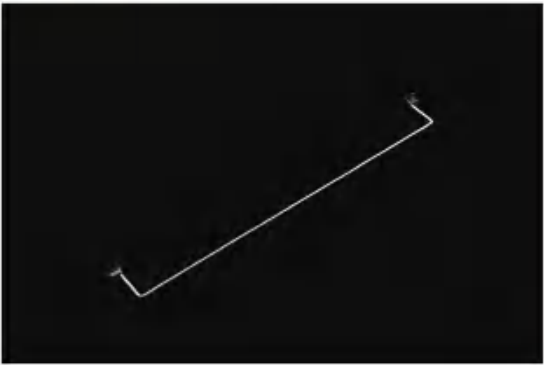
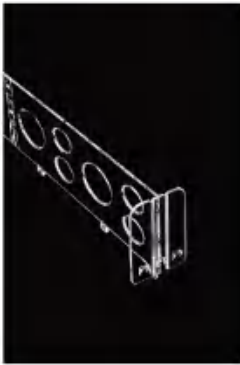
Slider



Data Strip



Divider & Stopper

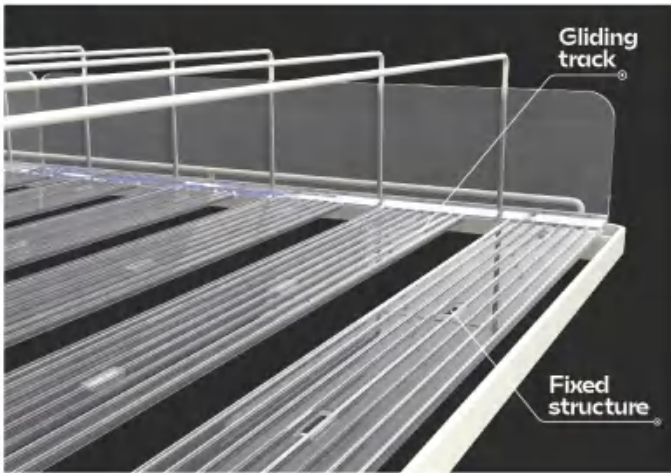


Specification

Width: 148mm / 48mm / 30mm	Thickness: 9.5mm	Front stopper : Stainless steel / Iron
Depth: 577mm / 550mm / 517mm / 505mm / 467mm / 456mm / 418mm		Clip: PP
407mm / 369mm / 345mm / 333mm / 321mm / 296mm / OEM		Price tag: PVC
Extended size of depth: 50mm / 80mm / 150mm		Color:
Material:		Slider: Black / Grey / OEM
Slider: PE		Plastic divider: Transparent / OEM
Plastic divider: GPPS		Price tag: White
Wire divider: Stainless steel / Iron		

Integrated Gliding Track

Snap-on Type



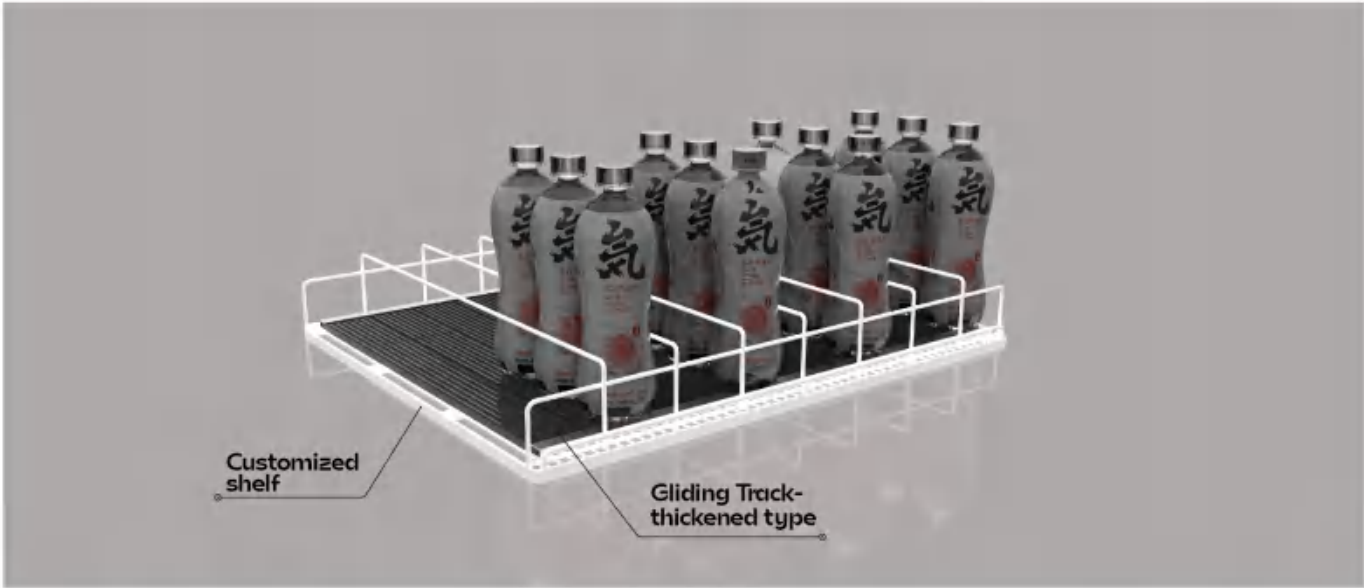
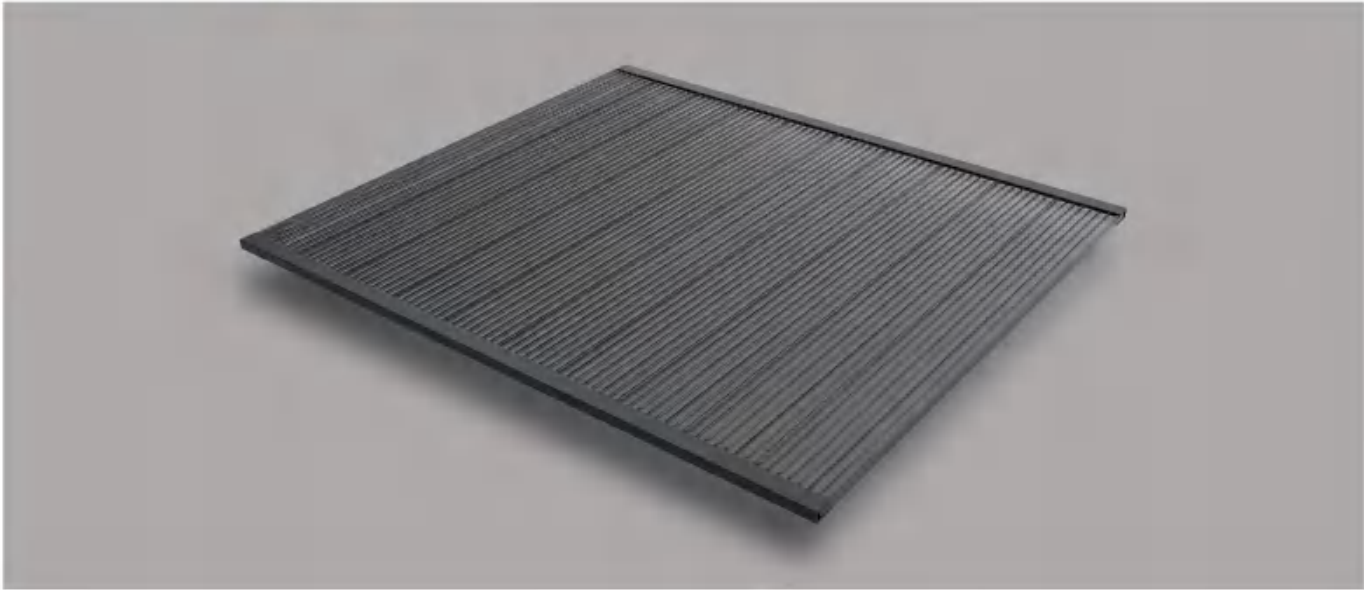
Gliding Track- snap-on type has a very simple design which can be **more convenient for customers to install and after-sales**. At the same time, the solution is 1pc injection molding, there is no complicate assembly process, highly increase the efficiency of production, much better to make sure the on time delivery.

Specification

Width:	50mm / 65mm / OEM
Depth:	
W50:	410mm / 426mm / 470mm / OEM
W65:	439mm / OEM
Thickness:	2.5mm
Material :	GPPS / AS / OEM
Color:	Transparent / Black / OEM



Thickened Type



Gliding Track- thickened type it's design purpose is improving the loading capacity. It can be customized depend on your shelf. Moreover, you can put a **LED strip** in the front of the gliding track, which can be light up the products, make them more appealing.

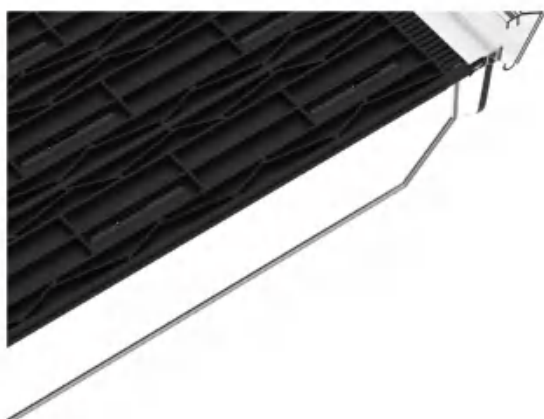
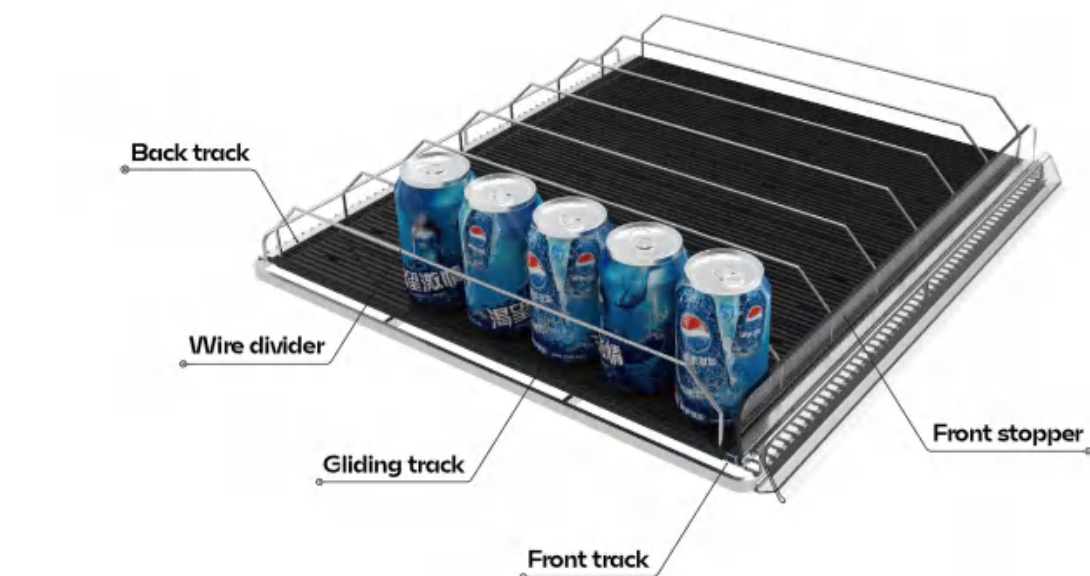
Specification

Width: :	50mm / 65mm / OEM
Depth:	436mm / OEM
Thickness:	8.5mm
Material :	GPPS / AS / OEM
Color:	Transparent / Black / OEM



Combined Gliding Track

Plastic-base Type



Gliding Track - Plastic-base type

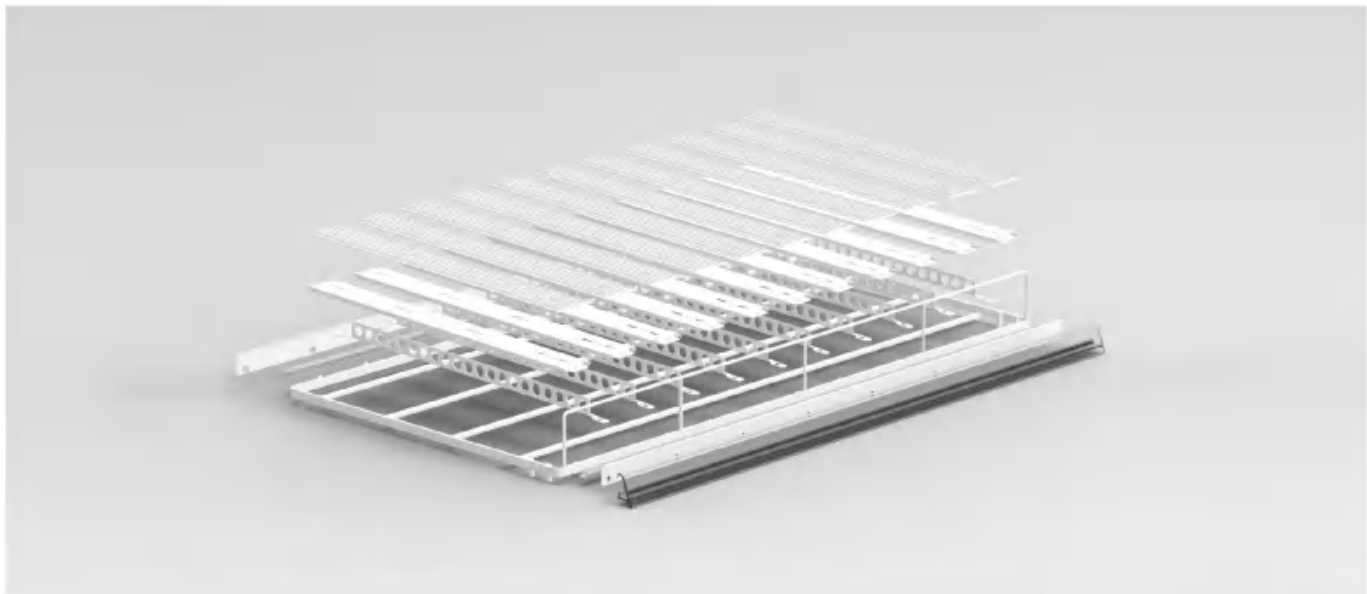
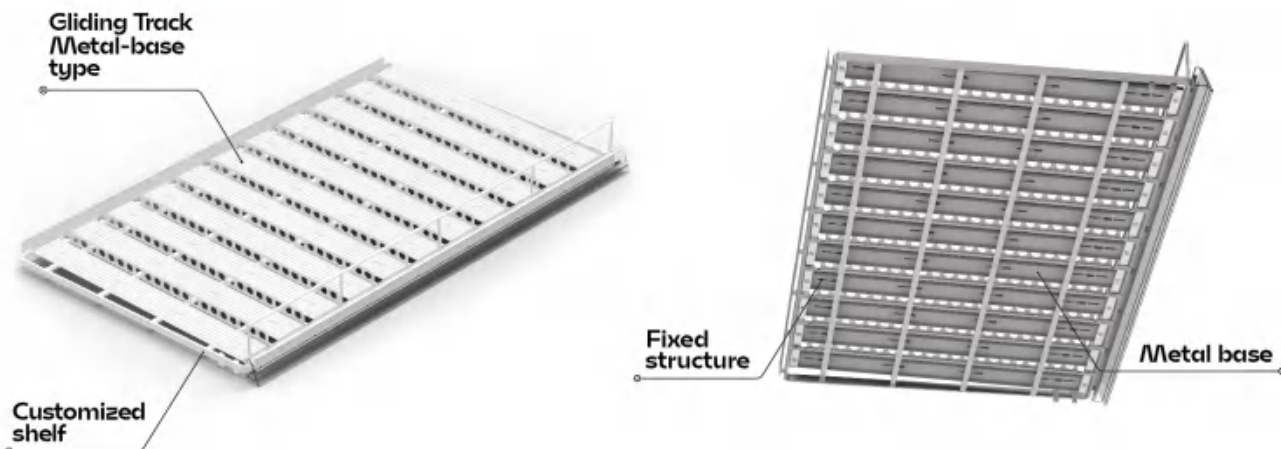
There have a plastic tray is helping load capacity, besides, it can match different customers and application scenarios. First of all, it can be customized the material of the base and snap-on skateboard according to the actual situation. Secondly, the plastic base maintain the design that the whole layer can be shipped, and it also provides the option of inserting the divider and acrylic front stopper.

Specification

Width: 54mm / OEM	Material:
Depth:	Plastic Base: ABS / HIPS / OEM
With Socket: 447mm / 483mm / OEM	Glider: GPPS / AS / OEM
No socket: 425mm / 461mm / OEM	Color: Black / OEM
Thickness: 8.5mm	



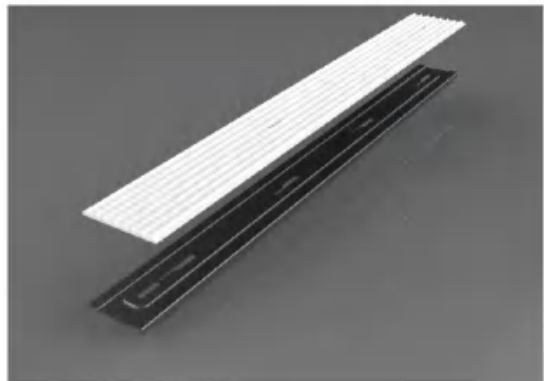
Metal-base Type



The Metal-base type of Gliding Track has even better performance of load capacity, so it can support the cost-specific design of the shelf or grill, and the connection structure of the sliding vane to the metal base is a fastening fit, which can pass the drop test at a height of 1.5 meter, is a design with super high integration.

Specification

Width: 50mm / OEM	Material: Metal + POM / OEM
Depth: 425mm / OEM	Color: White / OEM
Thickness: 11mm	



Pusher Series



How It Works

The spring is stretched to generate a rebound force, after the goods are taken, the rear row goods rely on this force to be pushed forward, so that achieve automatic tally function.



Applicable Scenarios

Supermarket or convenience store / pharmacy / beauty products shop / home storage



Applicable Products

Bagged/boxed items / Cosmetics / Cigarette / Body care / Medicine / Drinks



Bagged/boxed items



Cosmetics



Cigarette



Body care

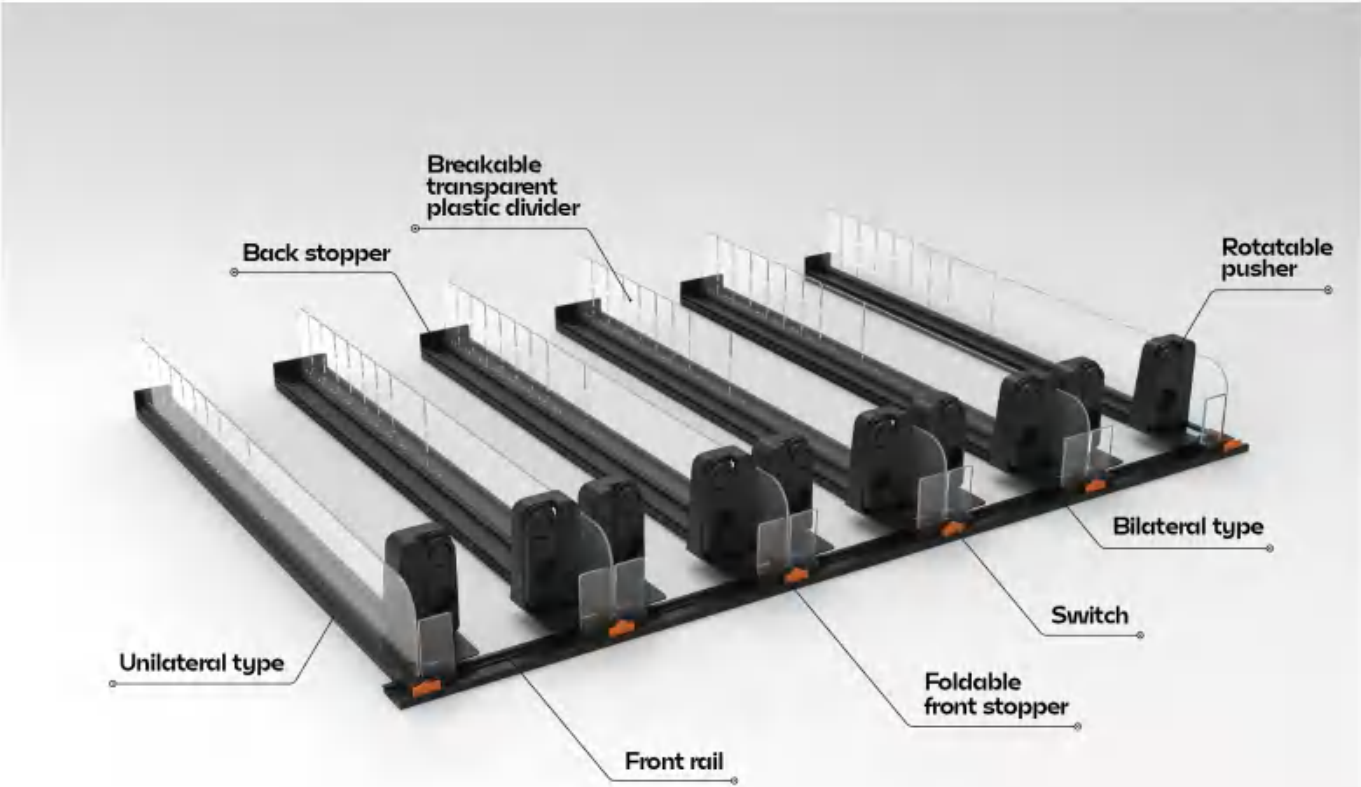


Medicine



Drinks

Easy-move Pusher

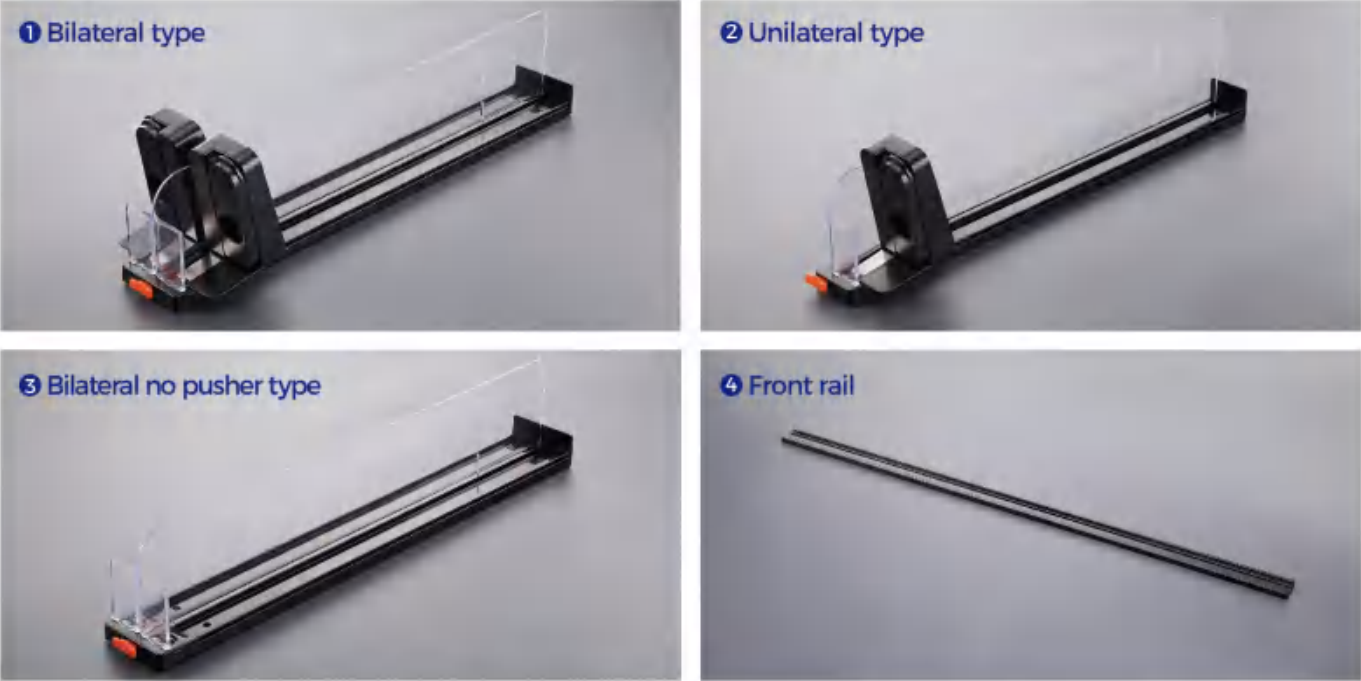


Supermarkets have a variety of goods, not only its height, width size is not the same, but also the weight and shape are not the same, so when customers need to adjust the placement of goods, the normal pusher can not perfectly meet the needs of use. The reason is that the pusher is not high enough or not wide enough, but worse is that customer needs to repeatedly disassemble and install. This will greatly affect the efficiency of tallying, thereby increasing labor costs.

Therefore, based on this situation, TROND has developed an innovative solution, which has the following creative design, it not only to achieve the versatility of multi-size and multi-commodity types, but also to improve the efficiency of cargo.

- ⦿ Press the switch to unlock, after unlocking, move to the position what you want, and the pusher will automatically lock when you let go.
- ⦿ The front stopper can be overturned, and the goods can be pushed in horizontally during replenishment, which greatly improves the efficiency.
- ⦿ The push head supports 180° rotation, and customers can adjust according to different product width and height.
- ⦿ The plastic divider can be adjusted as shelf size by breaking off, it can improves the versatility of the product.
- ⦿ The Easy-move pusher are trackless design, which slides more smoothly.
- ⦿ No rear rail design, faster adjustment.
- ⦿ Customers can combine the Easy-move Pushre Unilateral Type or Bilateral Type, according to their needs.

Component



Generally, the single-slot pusher is used on each side of the edge, and a double-slot pusher is used in the middle part, and the number of pusher plate can be selected according to actual needs.

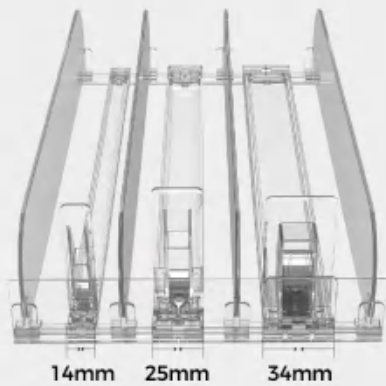
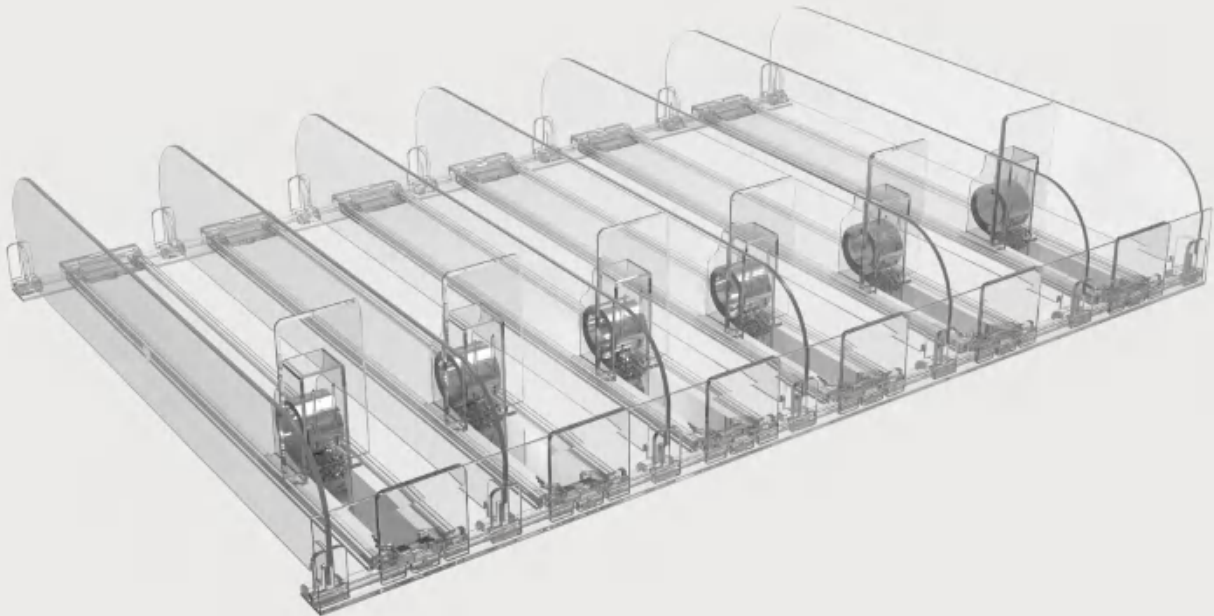
Specification

Type: Unilateral Type & Bilateral Type	Materail:
Width: Unilateral Type: 58mm; Bilateral Type: 96mm	Switch / Push board: ABS
Depth: 317mm / 384mm / 414mm / 444mm / 474mm / 504mm / 534mm / 564mm / 594mm	Track: PVC
Height: Front stopper: 40mm; Divider: 65mm; Push board: 80-125mm	Divider: GPPS
	Color: Black+Orange / Grey + Orange / OEM

Usage process diagram



Combined Pusher



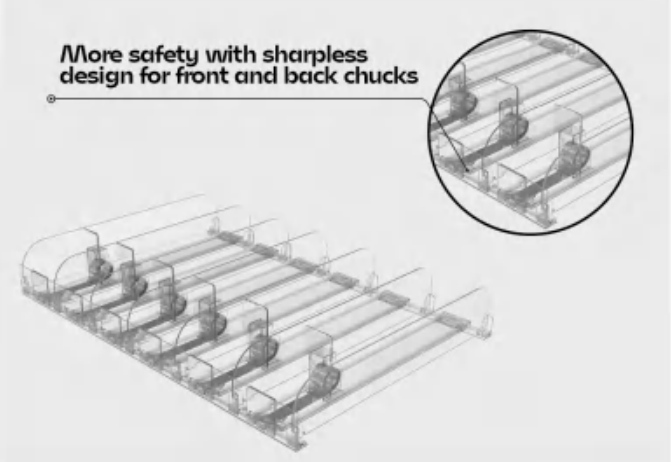
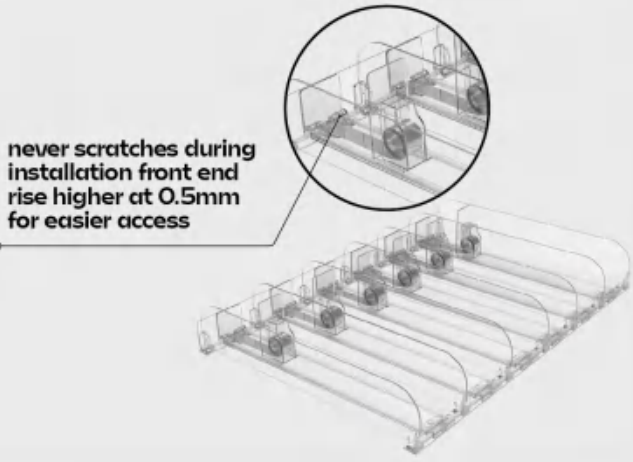
Component & Specifications

Width:	34mm / 25mm / 14mm
Length:	180mm / 200mm / 230mm / 240mm / 250mm / 280mm
	290mm / 300mm / 340mm / 350mm / 380mm / 400mm / 450mm / OEM
Material:	
Spring Holder/Chuck :	ABS
Track:	PVC
Spring:	301 Stainless steel
Color:	Transparent / Grey / White / OEM



Integrated divider

Length & Height:	
	180*H60mm / 200*H60mm / 230*H60mm / 240*H60mm / 250*H60mm
	280*H60mm / 290*H60mm / 300*H60mm / 340*H60mm / 350*H60mm
	380*H60mm / 400*H60mm / 450*H60mm / 450*H70mm / OEM
Thickness:	2.3mm / 2.5mm
Material:	GPPS
Color:	Transparent



Combined divider

Length:	Can be customized
Height:	Can be customize
Thickness:	Can be customized



Front rail

Length:	Can be customized
Width:	15mm
Height:	35mm / 80mm / OEM
	3M sticker / Regular Sticker



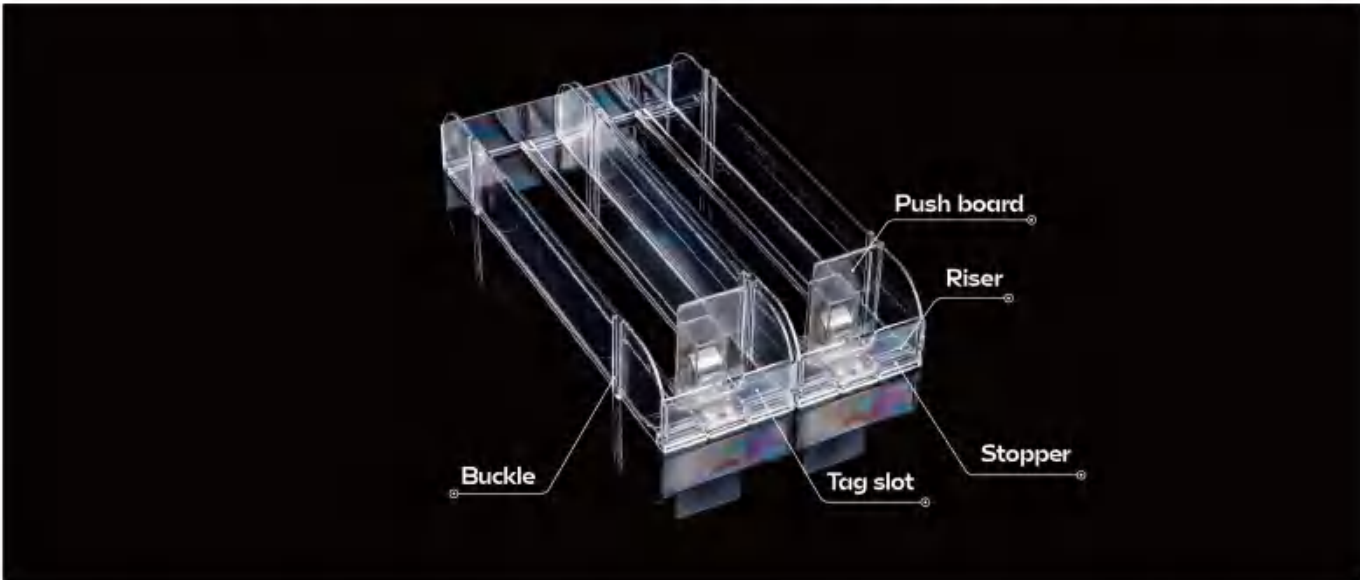
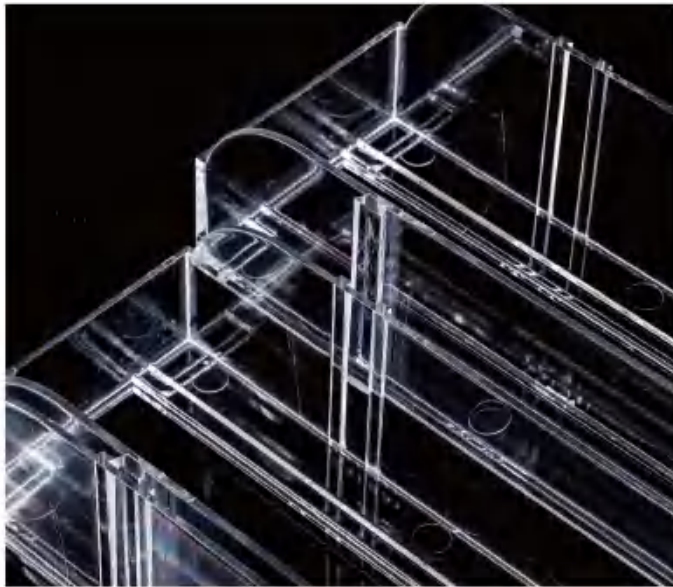
Rear Rail

Length:	Can be customized
Width:	15mm
	3M sticker / Regular Sticker

The combined type pusher solution can be used with different quantities and different sizes of pushers and dividers according to different products, and the advantages of this type of pusher's is **high cost performance** and **flexible size**.

Cigarettes Pusher

Integrated Bilateral Pusher



Integrated Bilateral Pusher is injection molded in one piece, compared to combined type pusher with higher strength, this type of pusher is generally used for cigarettes, it have different lengths and widths to adapt to different cigarette specifications.

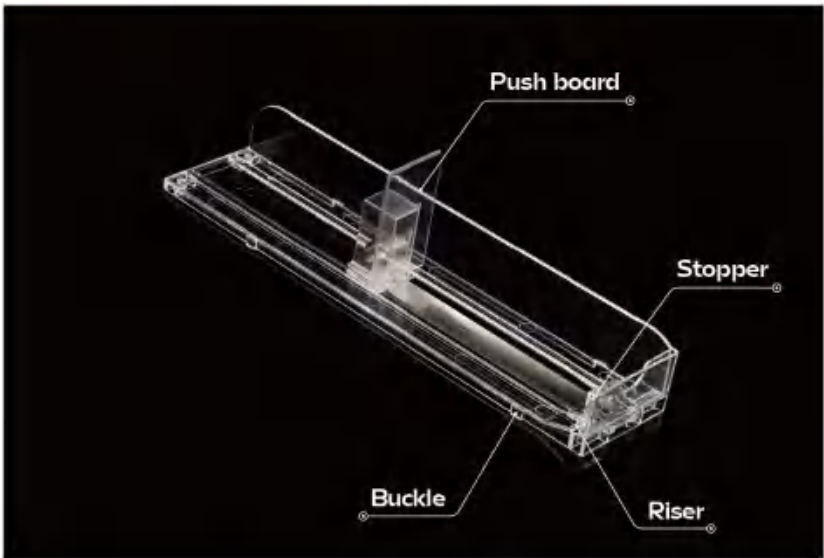
Specification

Dimension(mm):	
Joint one with each other to meet the width for shelf	
L240*W63*H65	L280*W90*H65
L240*W80*H65	L320*W63*H65
L280*W63*H65	L320*W80*H65
L280*W80*H65	

Material and Color

Pusher: PS-Transparent / ABS-White / POM-White
main body: Transparent
spring: 301 stainless steel - silver

Integrated Unilateral Pusher



Integrated Unilateral Pusher is keep only one side of divider and when customer combine together, this two pusher will share the same divider, which can not only save space, but also save cost.

Specification

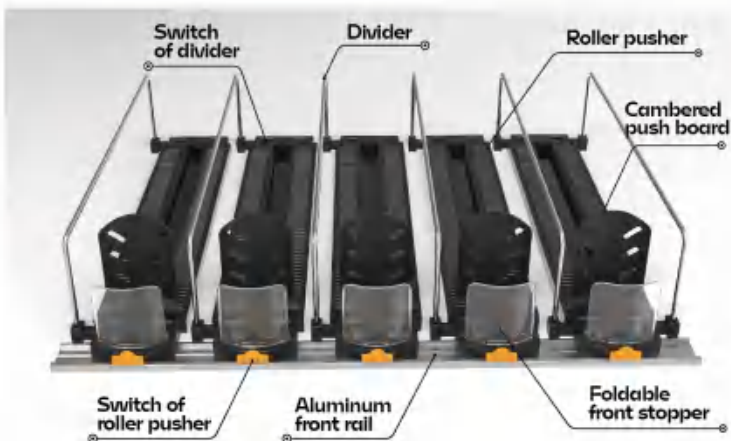
Dimension(mm):	
Joint one with each other to meet the width for shelf	
L180*W60*H65	L280*W60*H65
L180*W70*H65	L280*W70*H65
L180*W80*H65	L280*W78*H65
L240*W60*H65	L320*W60*H65

Material and Color

Push board: PS-Transparent / ABS-White / POM-White
Main body: PS- Transparent
Spring: 301 stainless steel - silver



Roller Pusher



- ⊙ This solution is mainly for the beverage, and its push board and front stopper are curved shape, which better fits the body of the beverage bottle and more beautiful. It can be used without angle, which can effectively save shelf space, at the same time, for heavy or high beverages, it can avoid tipping that may be caused by a tilt angle.
- ⊙ Compared with the current solutions on the market, **our patented solution adds many more intimate designs to enhance the customer experience :**

- ⊙ Main body: Press the switch to unlock, after unlocking, you can easily move to the required position, and **automatically lock when you let go.**
- ⊙ Divider: **Dividers are assembled already**, as soon as you receive it, you can use it immediately without any complicated assembly process, and **divider has two width gear adjustment**, which can adapt to different beverage diameters.
- ⊙ Front stopper: **The front stopper can be overturned**, and the replenishment is more convenient and faster.
- ⊙ Push board: Curved shape, more fit most of the beverage bottle.
- ⊙ No rear rail design, much more easier to adjust the position.
- ⊙ Double roller shelf design, **the diameter of roller is 4.5mm**, better fit special-shaped bottle bottom.

Component

Complete assembly, you just take it out of the box and use!



Single divider type



Double dividers type



Aluminum front rail

Specification :

Type: Single divider type & Double dividers type		Material:
Width:	Height:	Roller shelf: ABS
Roller pusher: 66mm	Front stopper: 45mm	Push board: ABS
Push board: 50mm	Push board: 67mm	Front stopper: GPPS
Front stopper: 45mm	Divider: 67mm	Track: PVC
Depth: OEM		Aluminum front rail: Aluminum 6063-T5
Color: Black + Orange		Divider: Stainless steel / Iron

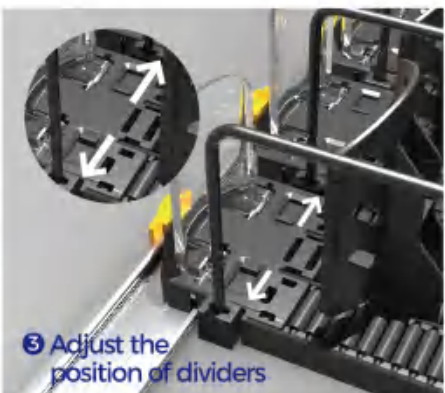
Usage Process Diagram



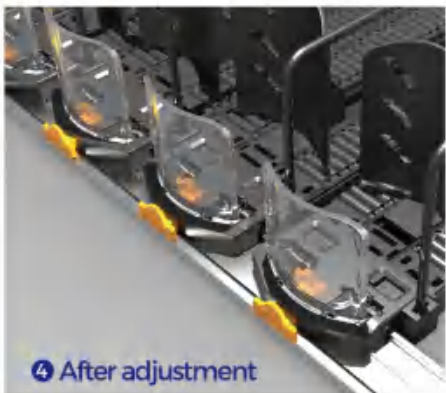
1 Original state



2 Unlock the roller pusher



3 Adjust the position of dividers



4 After adjustment



5 Replenish



6 Finished state

You just take only 1 minute to complete, very convenient !!

Divider Pusher



Supermarkets have a variety of goods, such as beer, wine and other goods, which are not only heavier and the bottle is higher. If you only use the pushers alone, you will need a large force of the spring to push it, and the service life of the product is short; If you only use the roller shelf alone, you will need to use a higher stopper to ensure that it will not flip over during replenishment, and it will affect the customer's access and cause inconvenience to the customer.

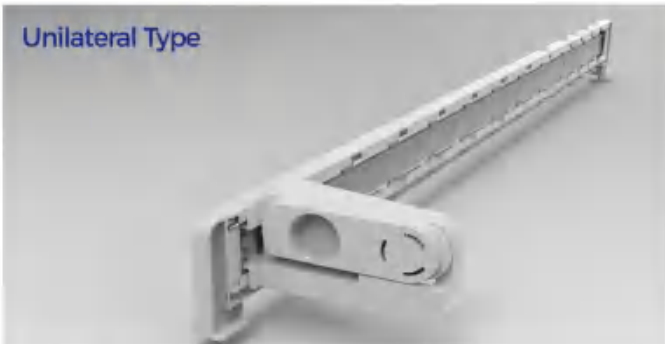
Therefore, this solution combines the Pusher and the Roller shelf. The shelf without the inclination angle, and the force of spring does not need to very strong. It works depends on the spring and the rotation of the rollers, it can make the goods forward replenishment.



Advantages

- ⊙ Injection molding, cost controllable
- ⊙ Customers can choose Unilateral Type or Bilateral Type, according to their needs
- ⊙ The push head supports 180° rotation, and customers can adjust according to different product width and height
- ⊙ The divider can be adjusted as shelf size by breaking off, it can improves the versatility of the product.
- ⊙ It can be used with roller shelf or alone

Component



Specification

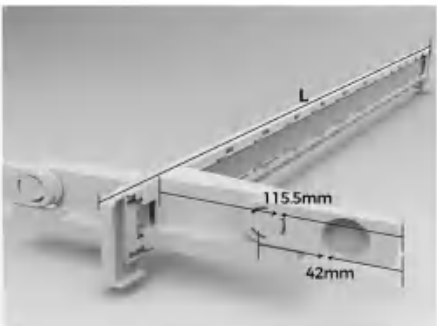
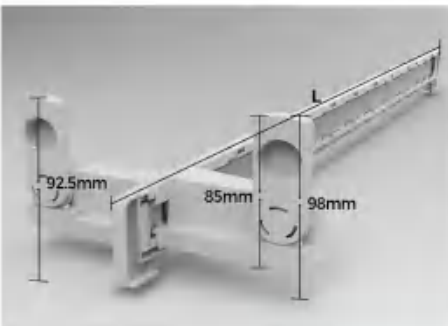
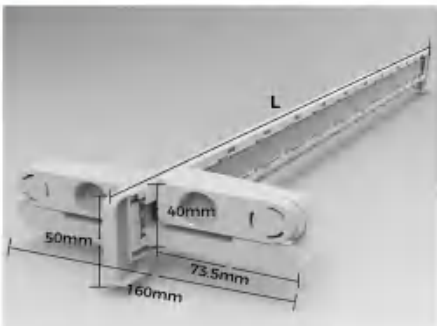
Type: Unilateral Type & Bilateral Type

Length:

- ① L417mm, matching roller shelf's depth is 435mm
- ② L467mm, matching roller shelf's depth is 485mm
- ③ L497mm, matching roller shelf's depth is 515mm
- ④ L527mm, matching roller shelf's depth is 545mm
- ⑤ L557mm, matching roller shelf's depth is 575mm
- ⑥ L587mm, matching roller shelf's depth is 605mm

Material:

- Divider: ABS
- Front/Back rails: ABS
- Push board: ABS
- Spring: 301 Stainless steel
- Color: Gray / Black / Customized



Solutions

With Roller Shelf



Divider pusher only



Applicable situation

- ⊙ The goods are heavy or the bottles are tall
- ⊙ The shelf can not be tilted at an angle or do not have enough space

Applicable goods



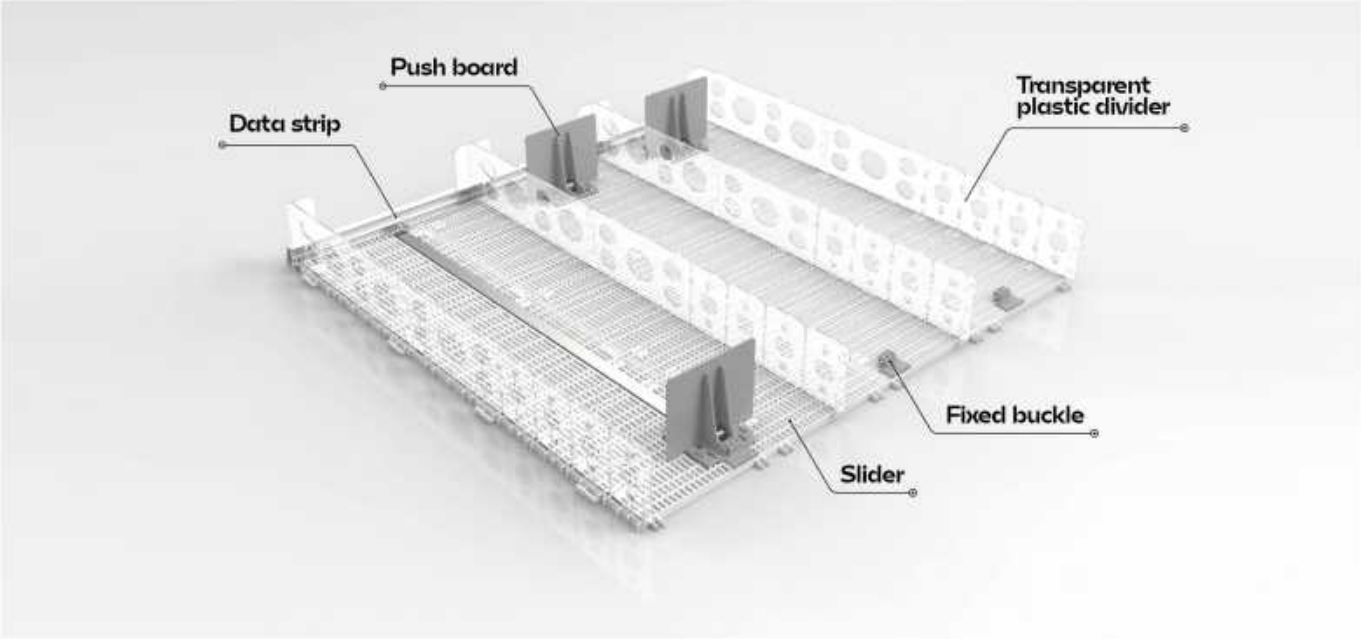
Applicable situation

- ⊙ The goods are wide and high
- ⊙ The shelf can not be tilted at an angle or do not have enough space

Applicable goods



Slider Pusher



- ⊙ This solution is to assemble a push-board on the slider, which is mainly suitable for high or heavy goods. The position can be flexibly adjusted according to different product sizes.
- ⊙ The shape of push board is designed to be wider and higher. At the same time, it can increase the fixed buckle according to the needs of customers, which can make customers more easily replenish.

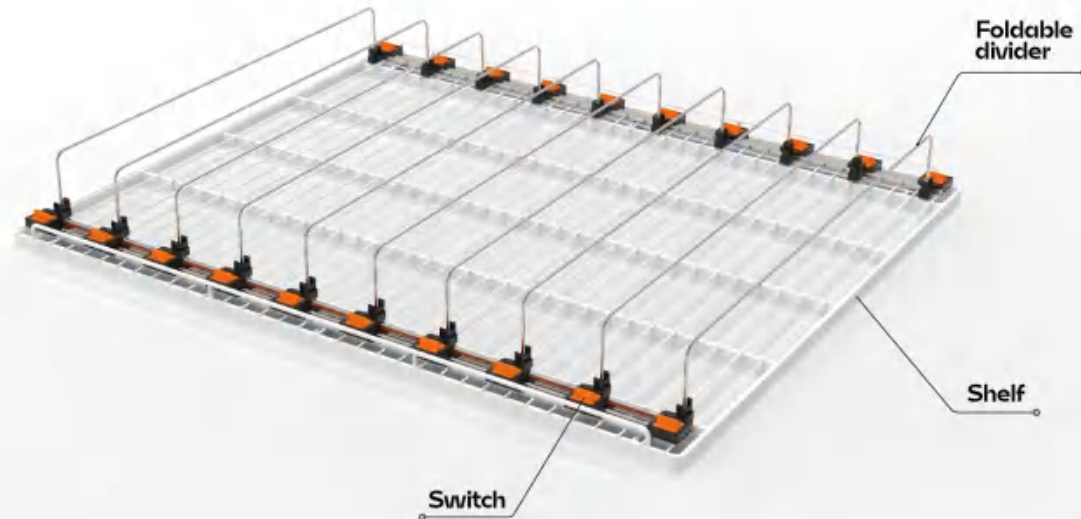
Specification of push-board

Height: 80mm
Width: 100mm
Material: ABS
Color: Black / Grey / OEM
Spring: 5N / OEM

The quantity can be combined according to actual needs! About the Plastic Slider, please see Page 35-36



Foldable Divider



In market there have two regular dividers for freezer separation methods:

- A.Double-layer shelf : welded integrated divider and front stop
- B.Single-layer shelf: which dividers inserted in the roller track

- ⊙ Option A, the spacing of the divider strips of the double-layer shelf has been fixed, and the customer cannot adjust it according to the actual beverage diameter, resulting in the waste of space for small bottles and the inability to fit large bottles, and the packaging cost, transportation cost and breakage rate of this method are very high.
- ⊙ Option B, if some customers only have separate needs, the tally solution product will increase a lot of costs, and the product needs to be assembled by the customer after arrival, wasting labor costs.

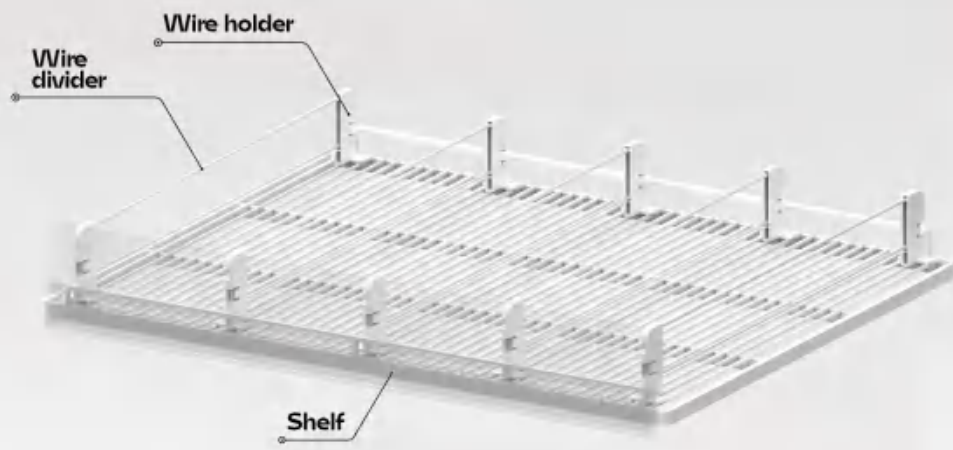
In view of the above situation, TROND independently developed a patented product: the overturned divider, which can realize the **overturned state and vertical state**. When transporting goods, the divider is transported in an overturned state, which can save packaging and transportation costs, and also greatly reducing the breakage rate. More important is that we can install the divider in the corresponding position in advance according to the customer's needs. When the customer receives the goods, he **just only needs to adjust the divider in the overturned state to a vertical state**, so that customer does not need to do the installation work, which greatly saves the customer's time.



Specification

Divider: Single or Double
Length: Can be customized
Height: Can be customized
Material: Iron / Stainless steel
Diameter 3.0mm / 3.5mm / 4.0mm / 5.0mm

Movable Divider



The movable divider is mainly used on the single-layer shelf of the freezer, and the customer can flexibly adjust its position, just press and fix the ferrule and wire at both ends, and the installation and removal are very convenient. The main part is a **toroidal coil**, the purpose of this design is to adapt to those shorter products, prevent its messy, the **coil body** is welded and fixed, **good strength**. The length and height of the coil can be customized according to customer's needs.

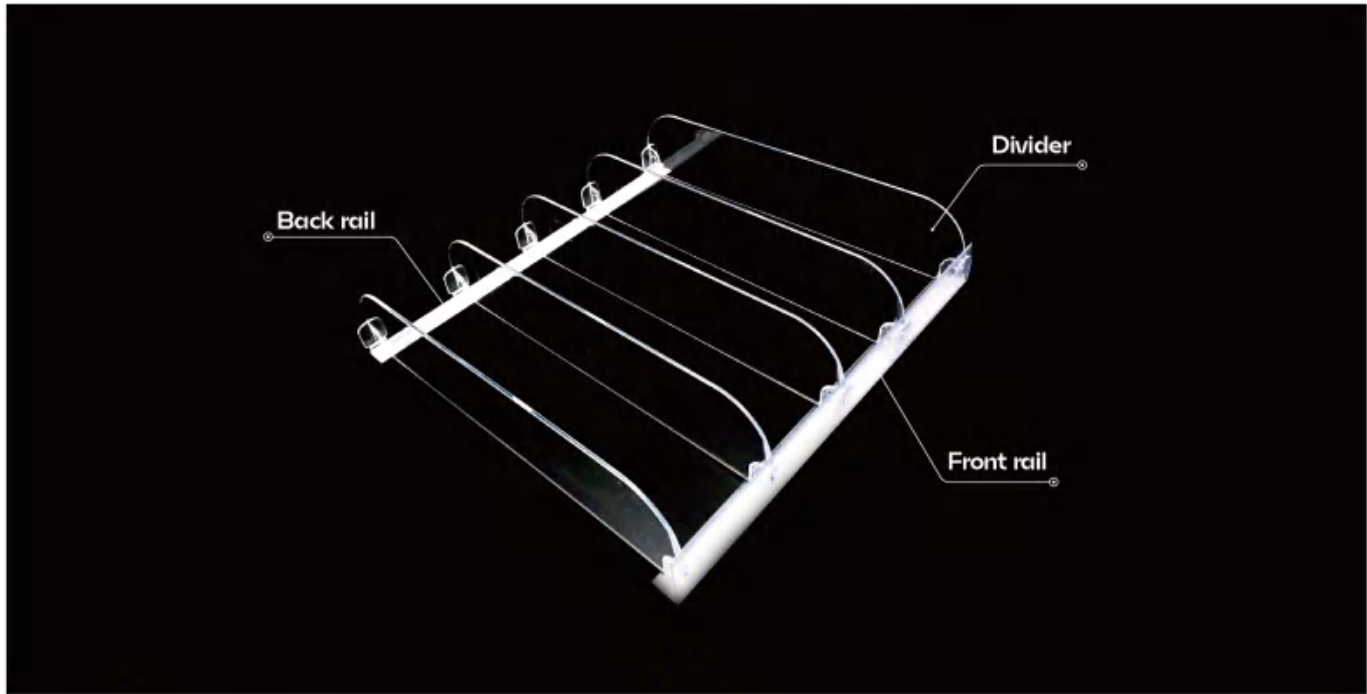
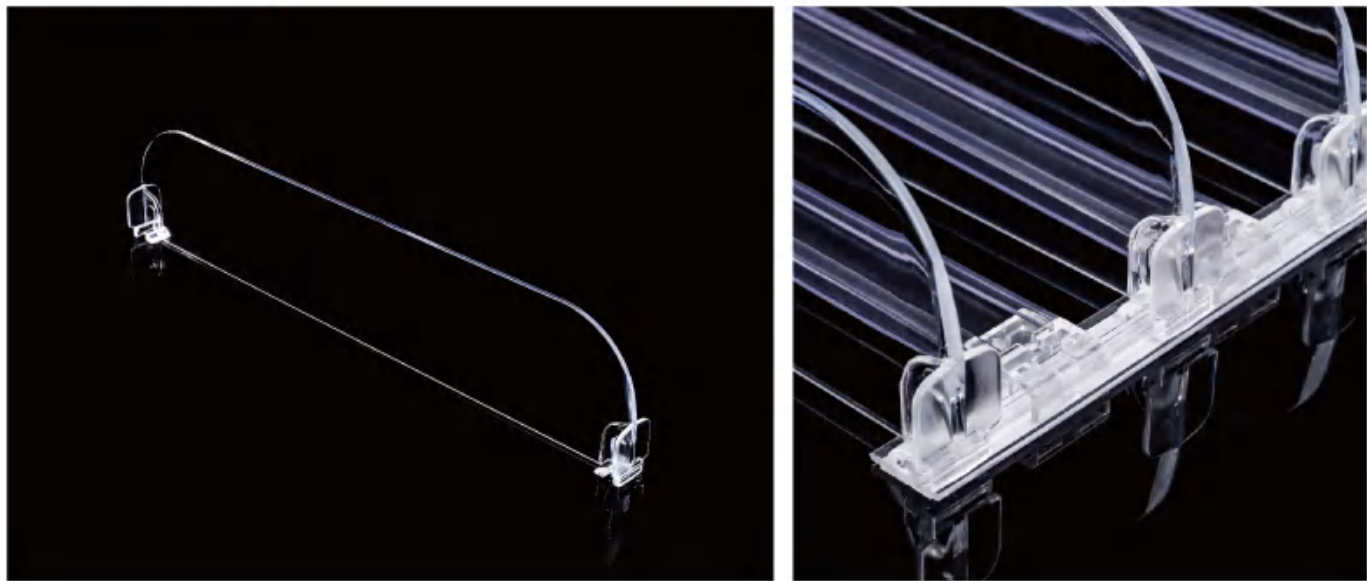
Specification

Length: Can be customized
Height: 55mm
Diameter 3.0mm / Can be customized
Material: Iron / Stainless steel
Color:White / Silver / OEM



Integrated Plastic Divider

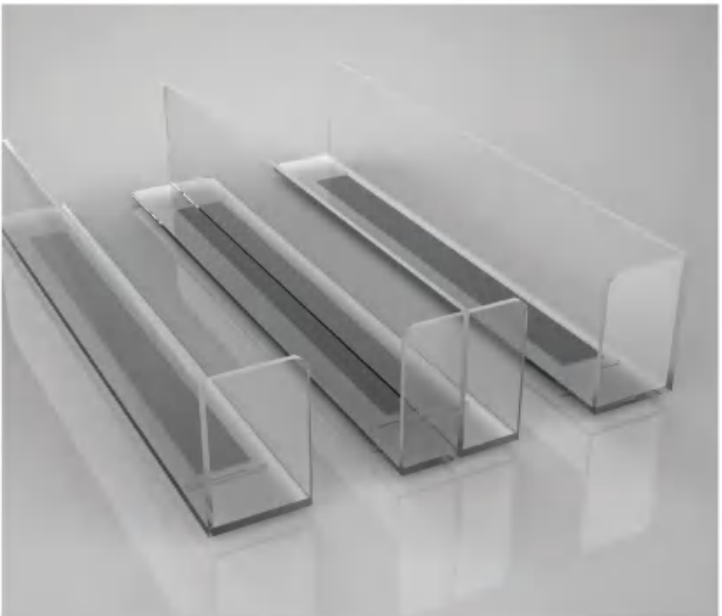
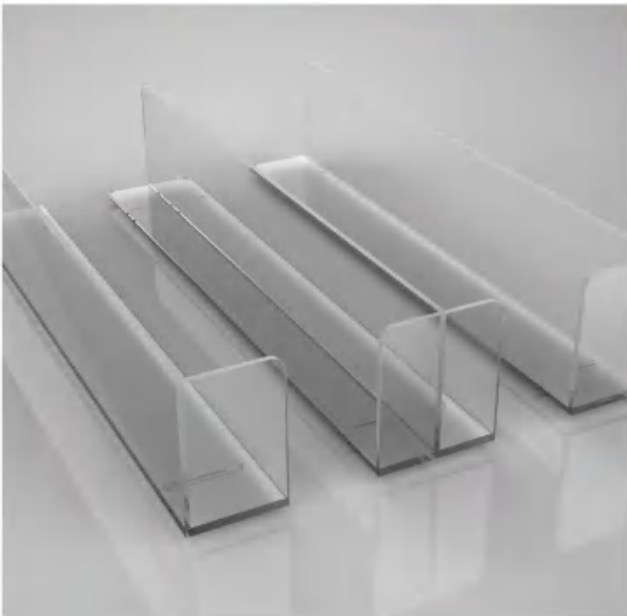
Standard Type



Specification

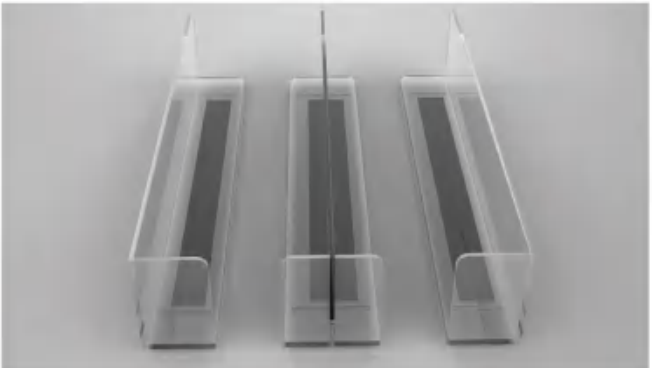
Material: GPPS
Color: Transparent / OEM
Size: L180*H60mm / 200*H60mm / 230*H60mm / 240*H60mm / 250*H60mm / 280*H60mm / 290*H60mm / 300*H60mm / 340*H60mm / 350*H60mm / 380*H60mm / 400*H60mm / 450*H60mm / Can be customized
Thickness: 2.3mm / 2.5mm

T/L - Shape Type

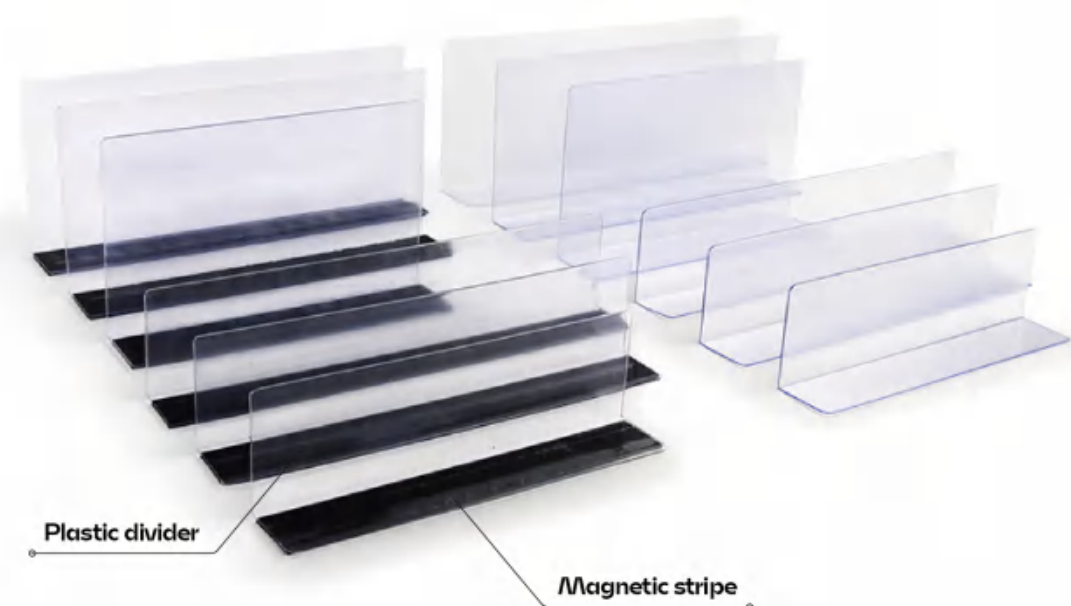


Specification

Material: GPPS
Color: Transparent / OEM
Length: 250mm / Can be customized
Height: 50mm
Thickness: 2mm(Optional magnetic stripe)



L-shape Plastic Divider

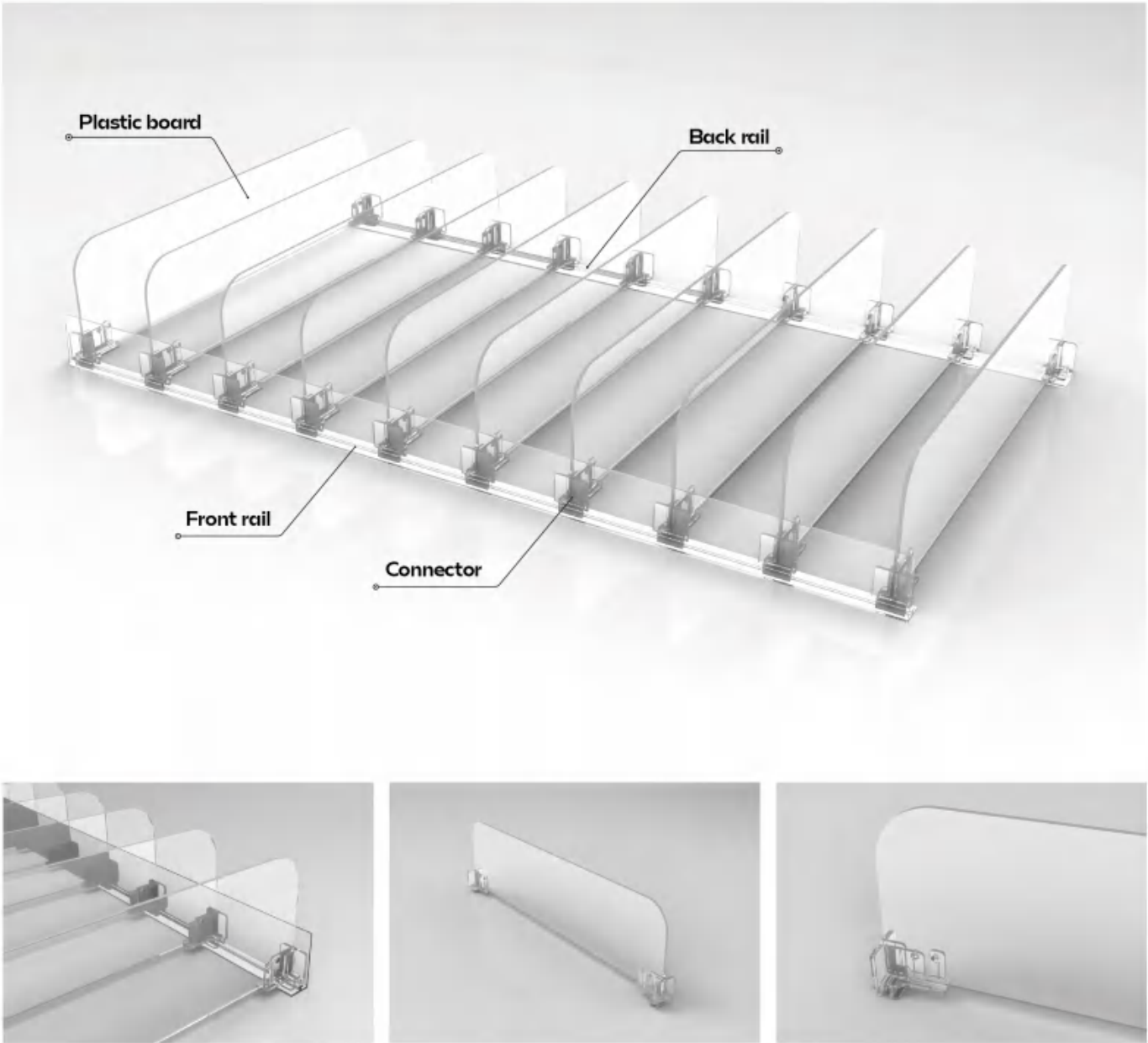


Compared with the injection molded integrated partition, the length of the separation plate can be customized according to customer's needs, and the flexibility is relatively higher, and the L-shaped partition plate can also be equipped with a magnetic stripe according to the needs to fix it more firmly.

Specification

Height:	60mm / 120mm / OEM
Thickness:	1.1mm / OEM
Length:	OEM
Material:	PET
Color:	Transparent(Optional magnetic stripe)

Combined Plastic Divider



Compared with the one-piece finished divider, the size of this divider is more flexible without make new moulds, even materials, colors, etc. can all be customized per clients requests.

Specification

Length:	OEM
Height:	OEM
Thickness:	2.3mm / OEM
Material:	PMMA / PC / PS
Color:	Transparent / OEM