

This Tambour Door Systems Technical Information is valid from April 2021.

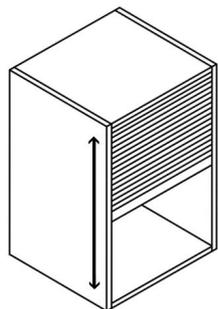
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Revision Date : 04.2021

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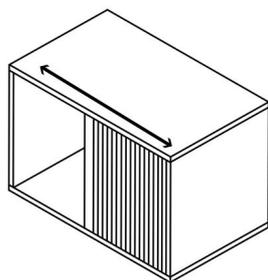
All dimensions and weights are approximate. Subject to errors and changes.

1 Running Direction

Tambour doors can be designated for either horizontal or vertical use, depending on the direction the tambour door travels in the cabinet.

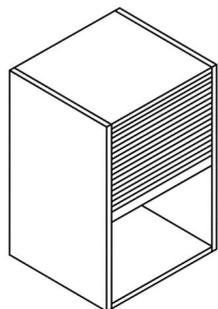


Dikey
Y1

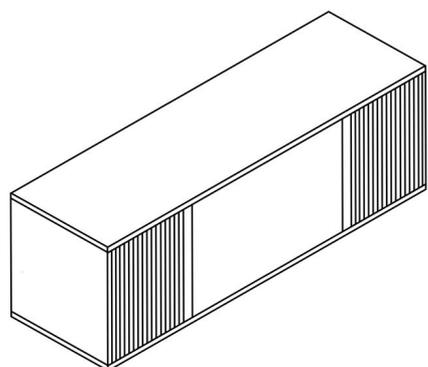
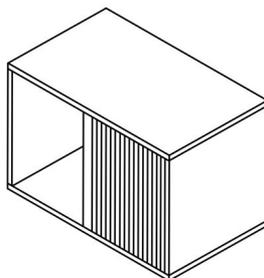


Yatay
Y2

2 Application Types



One-door Application

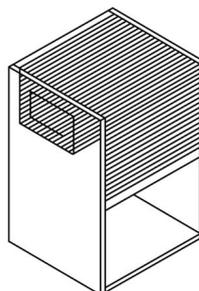


Two-door Application

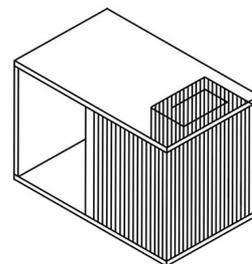
4 Mechanism

There are 2 types of mechanism. A further difference is whether the tambour door carpet runs back parallel to the rear wall or to the side in a spiral track.

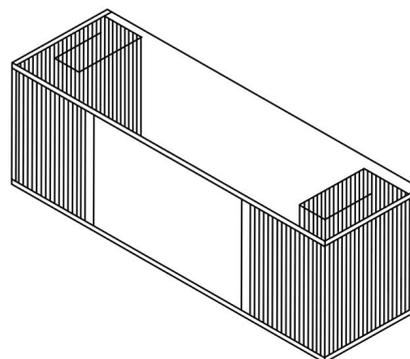
4.1 EASY-BOX



EASY-BOX
One-Door Vertical Use

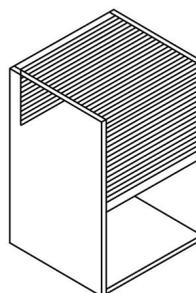


EASY-BOX
One-Door Horizontal Use

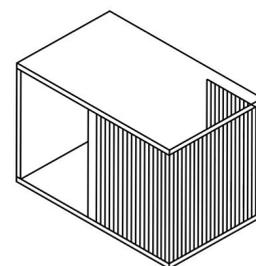


EASY-BOX
Two-Door Horizontal Use

4.2 FLIP-BACK

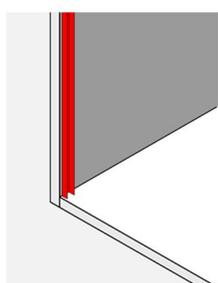


FLIP-BACK
One-Door Vertical Use

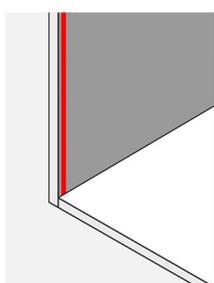


FLIP-BACK
One-Door Horizontal Use

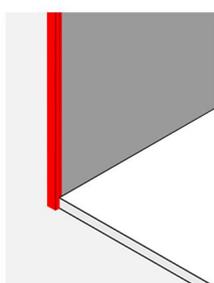
3 Types of Tracks



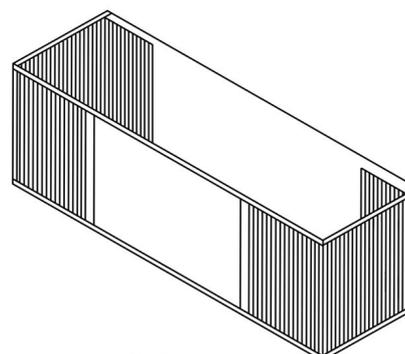
Top Mounted



Groove Mounted



Front Mounted

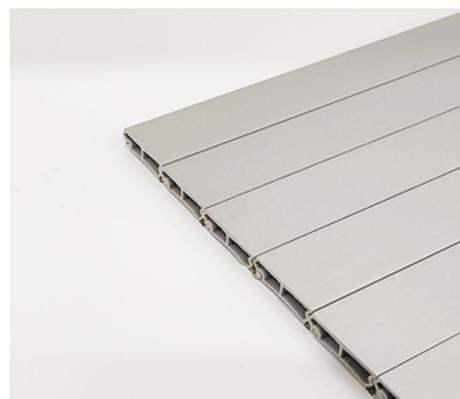


FLIP-BACK
Two-Door Horizontal Use

5 Tambour Door Profiles



M15



M26

Profile Thickness

8 mm



Material

PVC



ABS



Fire-Resistance PVC
(ECE R-118.03)



Colour / Decor

Chrome Matt (601)



Chrome (602)



Inox (603)



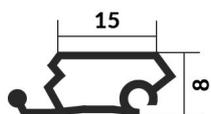
White Matt (604)



Black Matt (605)



5.1 M15

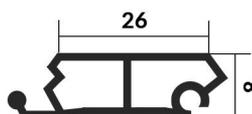


Material No. 020

Material PVC
ABS
Fire Resistance PVC - (ECE R-118.03)

Colour Chrome Matt (601)
Chrome (602)
Inox (603)
White Matt (604)
Black Matt (605)

5.2 M26



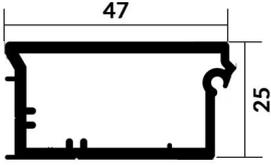
Material No. 009

Material PVC
ABS
Fire Resistance PVC - (ECE R-118.03)

Colour Chrome Matt (601)
Chrome (602)
Inox (603)
White Matt (604)
Black Matt (605)

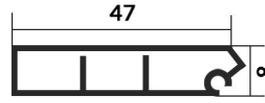
6 Slam Rails

6.1 Slam Rail - 010



Material No.	010
Material	PVC ABS Fire Resistance PVC - (ECE R-118.03)
Colour	Chrome Matt (601) White Matt (604) Black Matt (605)

6.2 Slam Rail - 021



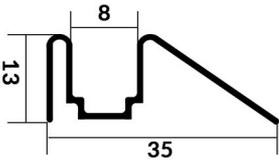
Material No.	010
Material	PVC ABS Fire Resistance PVC - (ECE R-118.03)
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)



Slam rails that are longer than is recommended are correspondingly less stable and have more longitudinal warpage. For double-door cabinets, and where furniture locks are used, it may not be possible to ensure sufficient stability, reliable locking and an even appearance. In such cases, material no. 010 slam rail is recommended.

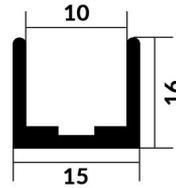
7 Tracks

7.1 Top Mounted Track - 011



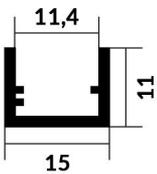
Material No.	011
Malzeme	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

7.2 Top Mounted Track - 005



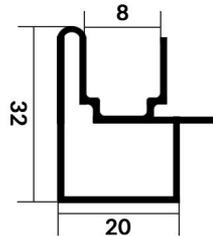
Material No.	005
Malzeme	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

7.3 Top Mounted Track - 016



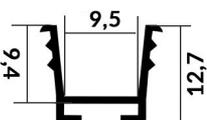
Material No.	016
Malzeme	PVC
Colour	Grey (301)

7.4 Front Mounted Track - 013



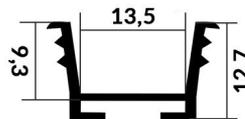
Material No.	013
Malzeme	PVC
Colour	Chrome Matt (601) White Matt (604) Black Matt (605)

7.5 Groove Mounted Track - 018



Material No.	018
Malzeme	PVC
Colour	Chrome Matt (601) White Matt (604) Black Matt (605)

7.6 Groove Mounted Track - 022



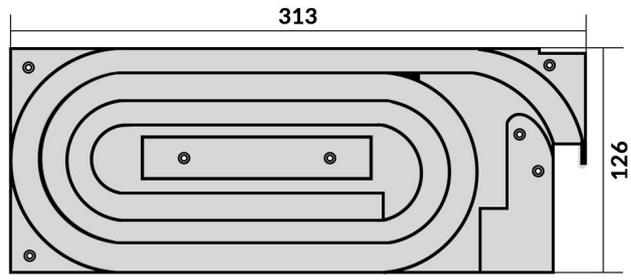
Material No.	022
Malzeme	PVC Yanma Dayanımlı PVC (ECE R-118.03)
Colour	Chrome Matt (601) White Matt (604) Black Matt (605)



The tambour door profile length must be less than 1600 mm not to come out of the usage track. If the tambour door length more than 1250 mm, it is recommended to use the material no. 005 track.

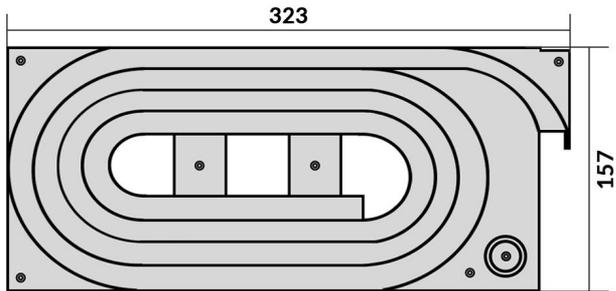
8 Spiral Tracks

8.1 Spiral Track - 512



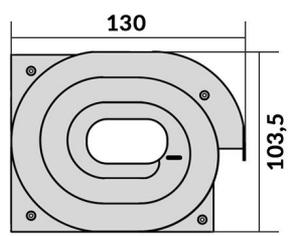
Material No.	512
Material	Moblen
Colour	Gri (301)
Track Capacity	1590 mm

8.2 Spiral Track - 505



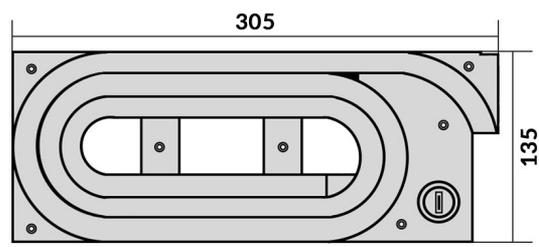
Material No.	505
Material	PVC
Colour	Gri (301)
Track Capacity	2250 mm

8.3 Spiral Track - 508



Material No.	508
Material	PVC
Colour	Gri (301)
Track Capacity	550 mm

8.4 Spiral Track - 504



Material No.	504
Material	PVC
Colour	Gri (301)
Track Capacity	1500 mm

Spiral Track / Track Compatibility Chart

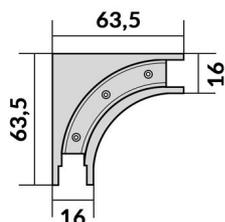
		Track			
		005	011	013	016
Spiral Track	504	■			■
	505	■			■
	508	■			■
	512	■	■	■	

Spiral Track / Balancing Mechanism Compatibility Chart

		Balancing Mechanism	
		F2	F3
Spiral Track	504	■	■
	505		■
	508		
	512		■

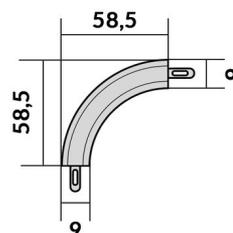
9 90° Spiral Track

9.1 90° Spiral Track - 503



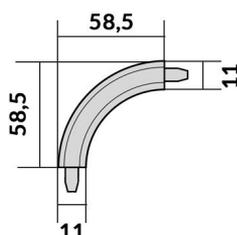
Material No.	503
Material	PVC
Colour	Grey (301) White (302) Black (303)

9.2 90° Spiral Track - 516



Material No.	516
Material	PVC
Colour	Grey (301) White (302) Black (303)

9.3 90° Spiral Track - 541



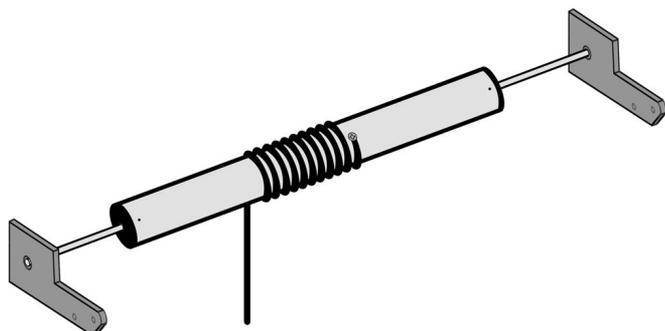
Material No.	541
Material	ABS Fire Resistance ABS - (ECE R-118.03)
Colour	Grey (301) White (302) Black (303)

90° Spiral Track / Track Compatibility Chart

		Track					
		005	011	013	016	018	022
90° Spiral Track	503	■					
	516					■	
	541						■

10 Balancing Mechanism

10.1 F3 Balancing Mechanism



Material No. 514

Material Body: Aluminium
Auxiliary parts: Poliamide, PVC

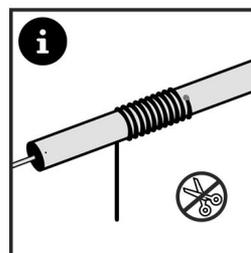
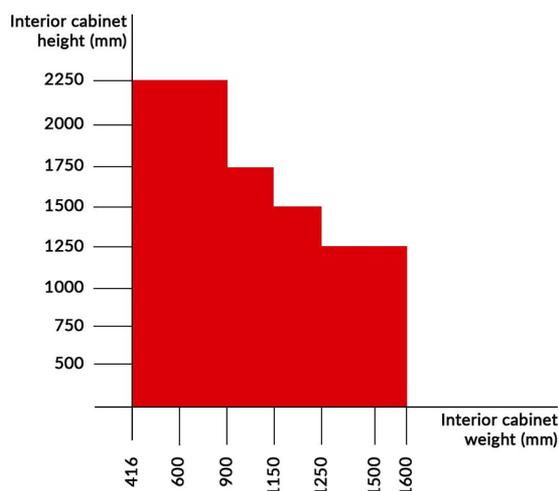
Complete system for vertical use:

- Smooth running properties
- Optimum counter-balance with high-quality sprung core mechanism
- Max. 1600 mm* width.
- Max. 1590 mm** height.

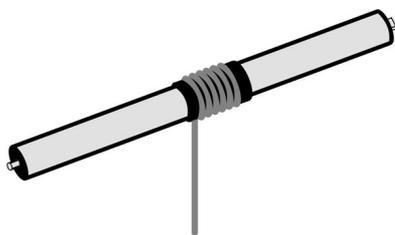
* It varies depending on the height dimensions.

** It varies depending on the width dimensions.

F3 Balancing Mechanism Capacity



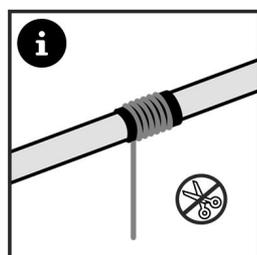
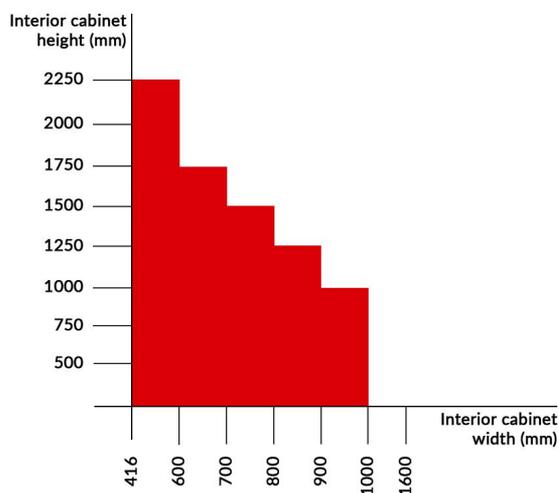
10.2 F2 Balancing Mechanism



Material No. 506

Material Body: Aluminium
Auxiliary: Poliamide, PVC

F2 Balancing Mechanism Capacity



11 Pelmets

11.1 Pelmet for Top Mounted Track - 012



Material No.	012
Material	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

11.2 Pelmet for Edge Closure Track - 004



Material No.	004
Material	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

11.3 Pelmet for Top Mounted Track - 014



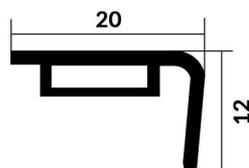
Material No.	014
Material	Aluminium
Colour	Chrome Matt 601) White Matt (604) Black Matt (605)

Pelmet / Track Compatibility Chart

		Tracks					
		005	011	013	016	018	022
Pelmets	004		■		■	■	■
	012	■	■			■	■
	014			■			

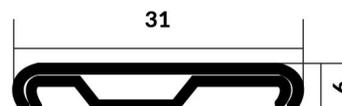
12 Edge & Track Closure Profiles

12.1 Bottom Edge Closure Profile - 007



Material No.	007
Material	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

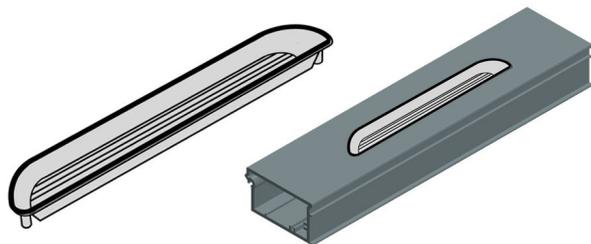
12.2 Track Closure Profile - 006



Material No.	006
Material	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)

13 Handles

13.1 Recessed Handle - 517



Material No.	517
Material	Poliamide
Colour	Pearl Grey (401)
Dimensions	150x24x13,4 mm
Pelmet Compatibility	010

Application types:

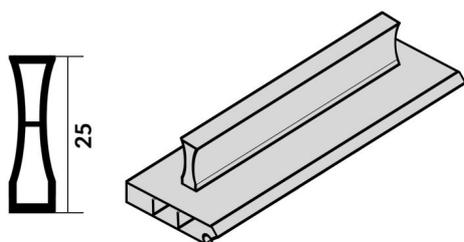
One Side Application
Application No.: ASM.001



Double Side Application
Application No.: ASM.002



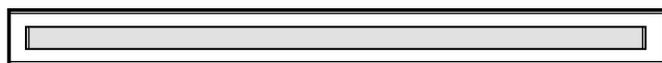
13.2 Handle - 003



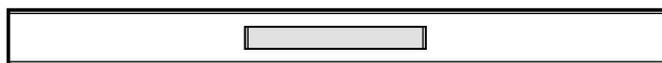
Material No.	003
Material	PVC
Colour	Chrome Matt (601) Chrome (602) Inox (603) White Matt (604) Black Matt (605)
Pelmet Compatibility	010 021

Application Types:

Application No.: ASM.003



Application No.: ASM.004

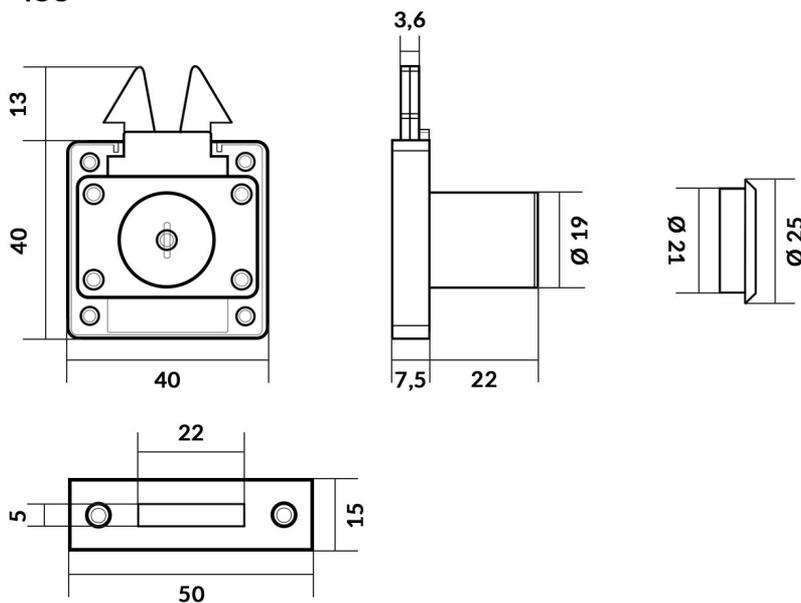
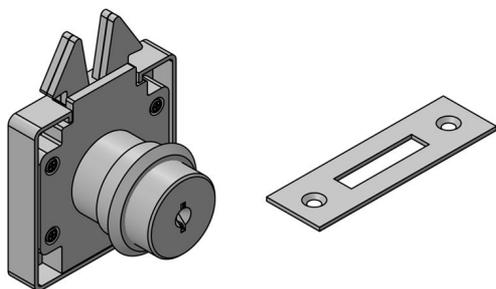


Application No.: ASM.005



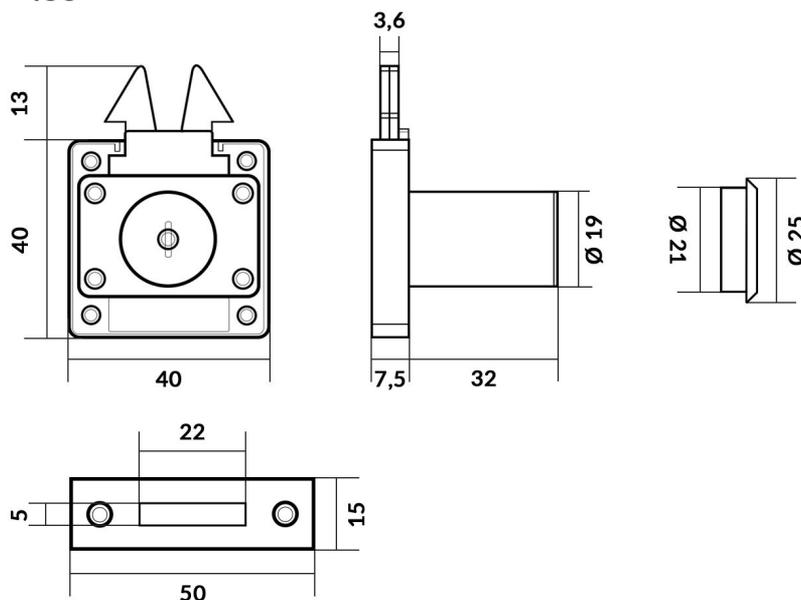
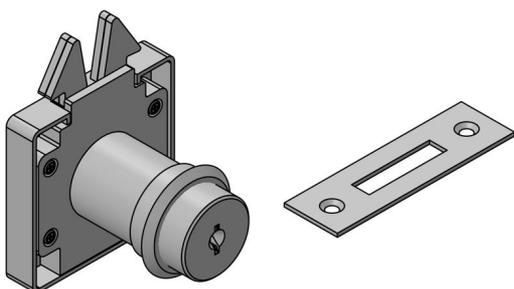
14 Locks

14.1 Tambour Door Lock 22 mm - 453



Material No.	453
Material	Zamak
Colour	Nickel
Slam Rail Compability	021

14.2 Tambour Door Lock 32 mm - 456



Material No.	456
Material	Zamak
Colour	Nikel
Slam Rail Compability	010

Lock Application Types:

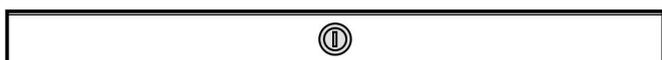
Application No.: ASM.006



Application No.: ASM.007



Application No.: ASM.008



15 Slam Rail + Lock Application Types

15.1 010 Slam Rail + Lock Application Types

One Side Slam Rail + Lock Application Uygulaması
Application No.: ASM.009



One Side Slam Rail + Lock Application Uygulaması
Application No.: ASM.010



Double Side Slam Rail + Lock Application Uygulaması
Application No.: ASM.011

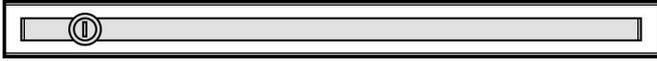


Double Side Slam Rail + Lock Application Uygulaması
Application No.: ASM.012



15.2 010 & 021 Slam Rail + Lock Application Types

Application No.: ASM.013



Application No.: ASM.014



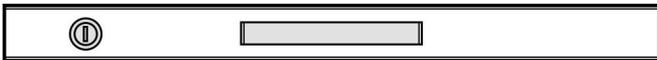
Application No.: ASM.015



Application No.: ASM.016



Application No.: ASM.017



Application No.: ASM.018



INFORMATION AND SAFETY NOTES

● Validity

This Technical Information is valid worldwide.

● Version of Technical Information

For your safety and proper use of our products, please check regularly to see whether a newer version of this Technical Information is available. The publication date of your Technical Information can always be found on the right bottom corner of the back page. You can obtain the latest Technical Information from your ÜNMAR Sales Office.

● Proper use

Products may only be planned, processed and installed as described in this Technical Information. Any other use is in violation of the specifications and therefore prohibited.

● General Information

Tambour door systems and all components in the systems have been developed specifically for use in home and office interiors. The systems are not intended or tested for outside use.

● Advice with regard to usage

Our verbal and written advice with regard to usage is based on experience and is provided to the best of our knowledge, but is to be considered non-binding. Working conditions and different conditions of service beyond our sphere of influence preclude any liability claims relating to our information.

We recommend checking whether the ÜNMAR product is suitable for the intended purpose. New designs and in-house designs for tambour door cabinets must always be tested by the customer (fatigue testing may be necessary).

We have no control over, and therefore assume no responsibility for, the application, use or processing of the products.

● ISO certification

Continuous and stringent quality control is essential for reliably high-quality products, so the profiles listed are only produced in ÜNMAR factories that are certified in accordance with ISO 9001:2015 and IATF 16949:2016.

The ISO 9001:2015 and IATF 16949:2016 certificates can be retrieved in the download section of our company website at www.unmar.com.tr

PRODUCT INFORMATION

2.1 Product Description

Tambour door system provides individual solutions for covering cabinet fronts as a space-saving alternative to hinged or folding doors. Tambour door cabinets are essential functional/design elements in contemporary office design, in particular with regard to the floor space norm for office workstations.

The extruded tambour door, slam rail and vertical pelmet profiles are made of high-quality talc-filled polypropylene (PP). Accessories are made of materials suited to their various uses, such as polyamide (PA6), polyoxymethylene (POM), acrylonitrile-butadiene-styrene (ABS) and aluminium (Al).

The product range shown here is only a small part of our office products portfolio.

We will be glad to offer our advice and support for your special applications and specific requirements.

2.2 Dimensions and permitted deviations

2.2.1 Tambour door carpet tolerances

The tolerances below apply to the manufacture and fabrication of tambour door carpets at ÜNMAR.
Profile length (PL)

PL ≤ 1100: ± 1 mm
PL > 1100: ± 1.5 mm
Multiple lengths: ± 15 mm

Deviating tolerances according to in-house ÜNMAR drawings or on request

Carpet length (CL)

The carpet length is derived by multiplying the profile quantity (PQ) by the corresponding nominal covering width (CW) for the tambour door profile. Tolerances are usually not calculated for carpet lengths, i.e. only the specified profile quantity (PQ) is checked during production.

Carpet length tolerances are only checked and implemented in certain individual cases, if specifically requested and technically feasible. Please therefore assume that the individual profile widths may deviate by up to 3% from the actual nominal covering width, varying by profile and production batch.

If you wish to stop the tambour door carpet at the carpet end or plan for special consistent optical positions such as mid-grip profile, please note that these cannot be implemented with millimetre precision / always at the same position.

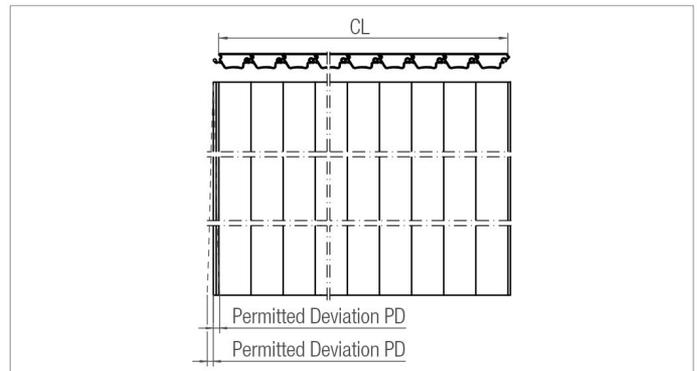
Angle tolerances – permitted deviation (PD)

The angle tolerance for the tambour door carpet depends on the number of slats and how the tambour door profiles are joined together (angle deviations are caused by one-sided pushing/pulling).

The deviation is specified and tested in millimetres rather than degrees.

If not otherwise defined, permitted tolerances (PD) are as follows:

Carpet length (CL) < 1000 mm: PD = 1 mm / carpet length
Carpet length (CL) ≥ 1000 mm: PD = 1.5 mm / carpet length



2.2.2 Tolerances for vertical pelmet profiles

Profile length (PL) ± 0.5 mm

Deviating tolerances according to in-house ÜNMAR drawings or on request

2.2.3 Tolerances for slam rail profiles

Profile length (PL) ± 0.5 mm

Deviating tolerances according to in-house ÜNMAR drawings or on request

2.2.4 Longitudinal warpage of profiles

Details can be given on request.

PRODUCT INFORMATION

2.3 Surface properties and colour

The following surface properties relate to the outwardly visible main components:

- Tambour door carpets
- Slam rails
- Vertical pelmets

Accessories, such as hidden guide systems, and accessory components are not listed here.

Technical information on the materials not listed can be provided on request.

2.3.1 Surface properties

The material PVC is resistant to scratches from finger nails, and is non-cracking, but does show a visible susceptibility to marking in the form of smooth lines, especially in the case of darker colours, so for darker colours, the surface may be treated with a protective lacquer. For details contact your Sales Office.

2.3.2 Colours

Products can be finished in plain RAL colours or according to custom colour matching. A large number of decorative options in the design range are already available. These can be adjusted to customer's specific requirements in the ÜNMAR colour laboratory.

Colours and decorations are adjusted as per specification and are optically/visually inspected based on the master sample. No specified tolerance, to be measured by colorimetry, has been determined.

Minimal deviations in colour/decoration (according to specified limit values) between batches is possible and permissible.

2.3.3 Surface treatment after delivery

PVC products can be painted after delivery using any kind of paint-application system, however PVC does require pre-treatment to reduce surface tension. This can be done by some kind of surface activation process (priming, flame treatment, corona or plasma pre-treatment). We regret that we cannot make any general recommendation, as there are a large number of different painting systems and suppliers. Please consult your paint supplier. We will be glad to assist if you have any questions.

PRACTICAL INFORMATION

3.1 Storage and handling

It is essential to store profiles and accessories properly, flat, and at temperatures under 30°C.

Tambour door profiles can be stored for at least one year in rooms protected from the weather and from UV radiation.

Glass window panes are generally sufficient protection from UV radiation.

3.2 Handling Information

Before assembly it is important to check whether the parts have suffered damage from e.g. inappropriate transport or storage that may impede their intended use.

The profiles to be used must be acclimatised at normal room temperature (around 20°C). We recommend opening the packaging/boxes to speed up this process. Accessories made of PA6 (e.g. spiral tracks) may be somewhat more brittle under certain manufacturing/storage conditions (in a very dry environment or season) and may be liable to break when fastened with clips. In such circumstances, the materials must be appropriately conditioned in a damp environment in advance.

They must not be handled at temperatures below 15°C. The systems should ideally be handled and installed at room temperature, and when the profiles themselves are at room temperature.

Boxes and batches of tambour door profiles should not be mixed, as the profiles used for a carpet may vary noticeably in colour if they come from different batches (production periods).

We recommend wearing clean cotton gloves when handling the profiles to avoid causing marking or damage.

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