

MISCELLANEOUS

VENTILATORS

Picture	Item Name	Page
	APK-K-DM1 NEW	791-3
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	48079, 48176, 48081, 48282	800
	48080	800
	APM	801
	APB	801
	APD-KH	802
	APK-KH	803 - 804
	APD-170, APDL-260	805
	APK-250, APKL-310	805
	APK-T250	806
	G61	806
	APK-K	807
	UTA-105	807
	4813	STAINLESS 304 STEEL 808
	4814	STAINLESS 304 STEEL 808
	4818	STAINLESS 304 STEEL 808
	480970	STAINLESS 316 STEEL 809
	4872	809
	1-1122	STAINLESS 316 STEEL 810
	1-1212	STAINLESS 316 STEEL 810
	1-2211	STAINLESS 316 STEEL 810
	1-2222	STAINLESS 316 STEEL 810
	G58-3020	811
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	12-AA	811
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	3-3030	812
	3-3009	813
	3-3704	813
	3-5009	813
	AST	STAINLESS 304 STEEL 814
	ASD	STAINLESS 304 STEEL 814
	SAD	STAINLESS 304 STEEL 814
	AST	STAINLESS 304 STEEL 815
	ASM	STAINLESS 304 STEEL 815
	SAM	STAINLESS 304 STEEL 815

CABLE GROMMETS

Picture	Item Name	Page
	LSU60KS NEW	791-1
	LSU60K NEW	791-1
	LS76KS NEW	791-2
	LS76K NEW	791-2
	CHC	816
	CHC-S18	816
	S93-14SL	817
	S80	817
	HTK	817
	S100-50	818
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	ART973	819
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Picture	Item Name	Page
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	LN72S	820
	LN72P	820
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TRAY UNITS

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	PT-1	825

MULTI-PURPOSE DOORS, LIDS & GROMMETS

Picture	Item Name	Page
	AZ-GD230L-HL NEW	791-19
	AD-GD (Soft-Close) (old:AD-DH)	792
	AD-DH015-HL	792
	AN-DH, AN-LH	793
	AD-KH015-HL (Soft-Close) (old:AD-KH017-HL)	793
	AN-KH	794
	AN-SH026-HL	794
	AE-DH	795
	AE-DH4540-1	795
	AE-DH020K-45	796
	AZ-GD (Soft-Close)	796

Picture	Item Name	Page
	AZ-GD231-HL (Soft-Close)	797
	AZ-SLP	797
	AZ-GD232-HL (Soft-Close)	798
	AZ-ND	798
	AZ-DD310-HL	799
	AZ-HD	799

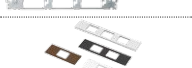
UMBRELLA STAND

Picture	Item Name	Page
		826 - 827

OTHERS

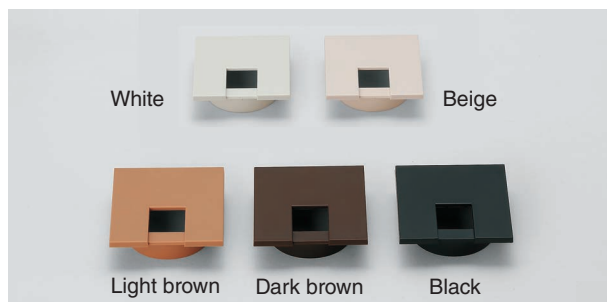
Picture	Item Name	Page
	HF	828
	KA-60	828

OUTLET COVERS

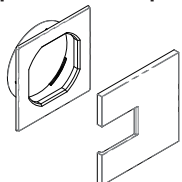
Picture	Item Name	Page
	DMC1 NEW	791-5
	DMC1W NEW	791-7
	DMC2 NEW	791-9
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	DM1-LAN NEW	791-17
	DM-LCC NEW	791-18

CABLE GROMMET (ONE-SIDED TYPE)

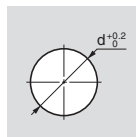
LSU60KS



Application Example



Cut Out Dimensions

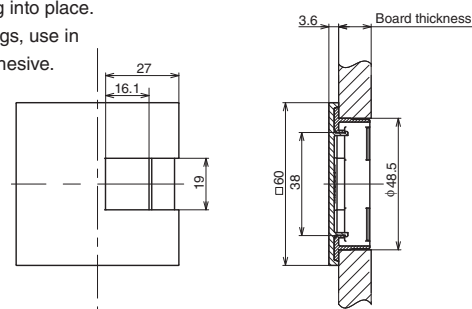


Features

- Cap can be removed to increase the opening width.
- The body angle can be fixed in place with nails to prevent rotation. When installing, please use nails to pierce into the 2 locations on the bottom of the body that are thinner.
(Recommended nail: Pan head nail 1.2 × 10 with head diameter of 4 mm or less and shank diameter of 1.9 mm or less)

Remarks

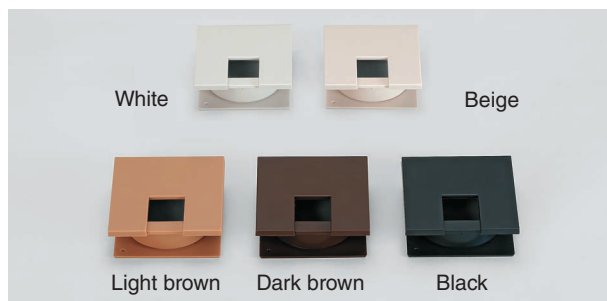
- Please install by pushing into place.
- When installing on ceilings, use in combination with an adhesive.



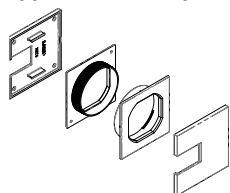
CAD	Item Code	Item Name	Colour	Material	Board Thickness	d	Weight (g)	Box (pcs)	Carton (pcs)
2030	210-035-866	LSU60KS-WT	White	ABS	Min. 12	48.0	13	20	160
2030	210-035-867	LSU60KS-BE	Beige					20	160
2030	210-035-868	LSU60KS-LBR	Light Brown					20	160
2030	210-035-869	LSU60KS-DBR	Dark Brown					20	160
2030	210-035-870	LSU60KS-BL	Black					20	160
2030	210-035-871	LS60KS-WT	White		Min. 16			20	160
2030	210-035-872	LS60KS-BE	Beige					20	160
2030	210-035-873	LS60KS-LBR	Light Brown					20	160
2030	210-035-874	LS60KS-DBR	Dark Brown					20	160
2030	210-035-875	LS60KS-BL	Black					20	160

CABLE GROMMET (TWO SIDED TYPE)

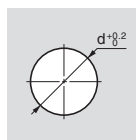
LSU60K



Application Example

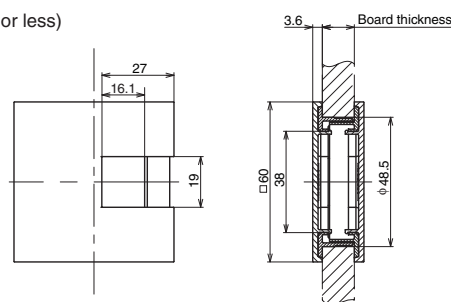


Cut Out Dimensions



Features

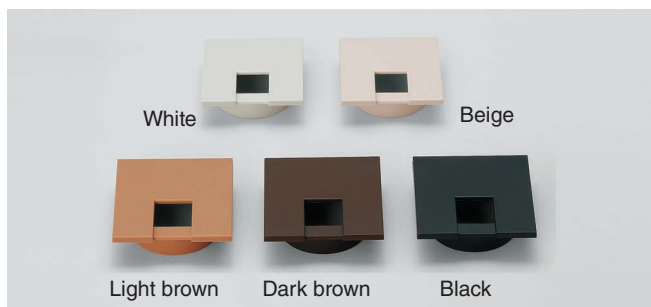
- Two-sided cable grommet.
- Applicable board thickness: 12 - 26 mm.
- Cap can be removed to increase the opening width.
- One-sided type with the same shape is also available.
- The body angle can be fixed in place with nails to prevent rotation. When installing, please use nails to pierce into the 2 locations on the bottom of the body that are thinner.
(Recommended nail: Pan head nail 1.2 × 10 with head diameter 4 mm or less and shank diameter 1.9 mm or less)



CAD	Item Code	Item Name	Colour	Material	Board Thickness	d	Weight (g)	Box (pcs)	Carton (pcs)
2030	210-035-851	LSU60K-WT	White	ABS	12 - 18	48.0	13	20	160
2030	210-035-852	LSU60K-BE	Beige					20	160
2030	210-035-853	LSU60K-LBR	Light Brown					20	160
2030	210-035-854	LSU60K-DBR	Dark Brown					20	160
2030	210-035-855	LSU60K-BL	Black					20	160
2030	210-035-856	LS60K-WT	White		16 - 26			20	160
2030	210-035-857	LS60K-BE	Beige					20	160
2030	210-035-858	LS60K-LBR	Light Brown					20	160
2030	210-035-859	LS60K-DBR	Dark Brown					20	160
2030	210-035-860	LS60K-BL	Black					20	160

CABLE GROMMET (ONE-SIDED TYPE)

LS76KS



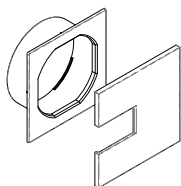
Features

- Cap can be removed to increase the opening width.
- The body angle can be fixed in place with nails to prevent rotation.
When installing, please use nails to pierce into the 2 locations on the bottom of the body that are thinner.
(Recommended nail: Pan head nail 1.2 × 10 with head diameter of 4 mm or less and shank diameter of 1.9 mm or less)

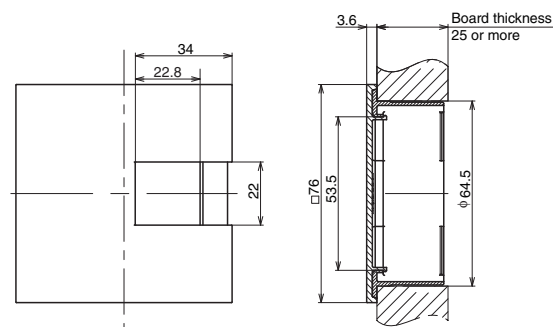
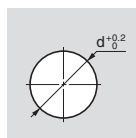
Remarks

- Please install by pushing into place.
- When installing on ceilings, use in combination with an adhesive.

Application Example



Cut Out Dimensions



CAD	Item Code	Item Name	Colour	Material	d	Weight (g)	Box (pcs)	Carton (pcs)
2D/3D	210-035-876	LS76KS-WT	White	ABS	64.0	22	12	96
2D/3D	210-035-877	LS76KS-BE	Beige				12	96
2D/3D	210-035-878	LS76KS-LBR	Light Brown				12	96
2D/3D	210-035-879	LS76KS-DBR	Dark Brown				12	96
2D/3D	210-035-880	LS76KS-BL	Black				12	96

CABLE GROMMET (DOUBLE SIDED TYPE)

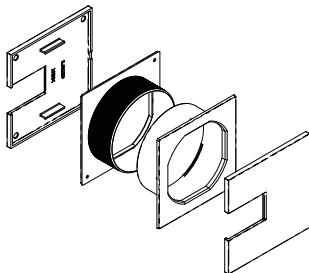
LS76K



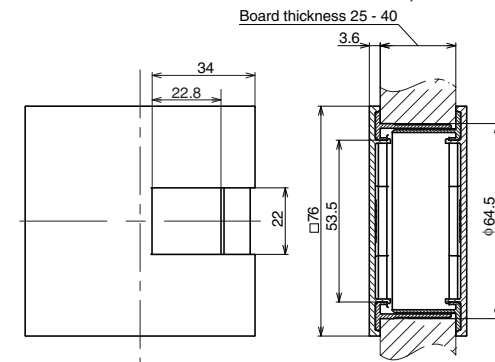
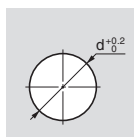
Features

- Two-sided cable grommet.
- Applicable board thickness: 25 - 40 mm.
- Cap can be removed to increase the opening width.
- One-sided type with the same shape is also available.
- The body angle can be fixed in place with nails to prevent rotation. When installing, please use nails to pierce into the 2 locations on the bottom of the body that are thinner.
(Recommended nail: Pan head nail 1.2 × 10 with head diameter 4 mm or less and shank diameter 1.9 mm or less)

Application Example



Cut Out Dimensions

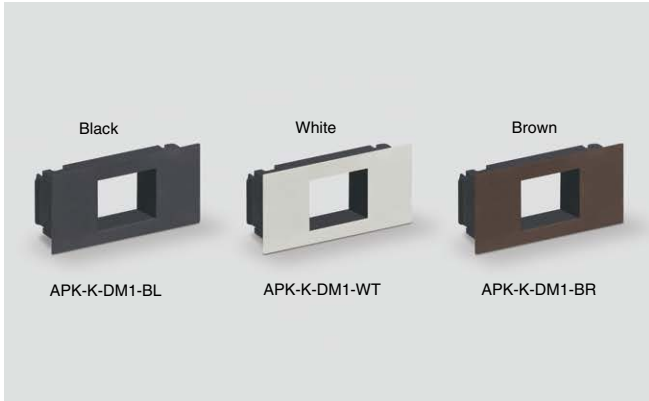


CAD	Item Code	Item Name	Colour	Material	d	Weight (g)	Box (pcs)	Carton (pcs)
2D/3D	210-035-861	LS76K-WT	White	ABS	64.0	42	12	96
2D/3D	210-035-862	LS76K-BE	Beige				12	96
2D/3D	210-035-863	LS76K-LBR	Light Brown				12	96
2D/3D	210-035-864	LS76K-DBR	Dark Brown				12	96
2D/3D	210-035-865	LS76K-BL	Black				12	96

BRACKET FOR MOUNTING OUTLETS ONTO APK-K (VENTILATOR)

INSTRUCTION

APK-K-DM1

**Features**

This product is used to mount an embedded outlet, USB outlet, LAN connector or USB connector on the APK-K ventilator.

Specifications

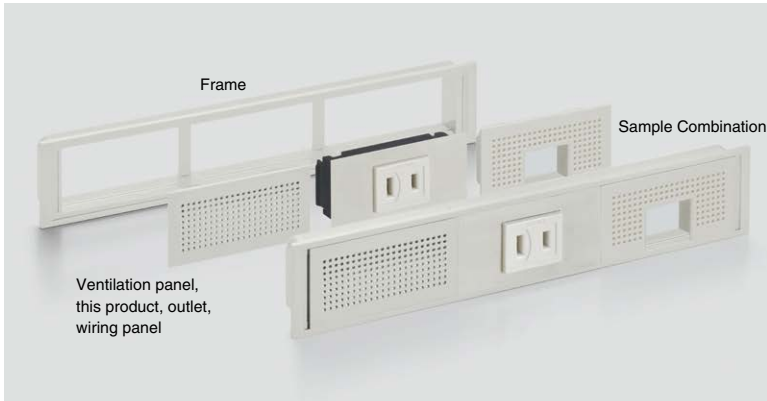
Operating temperature: -10°C - 40°C

Sold Separately

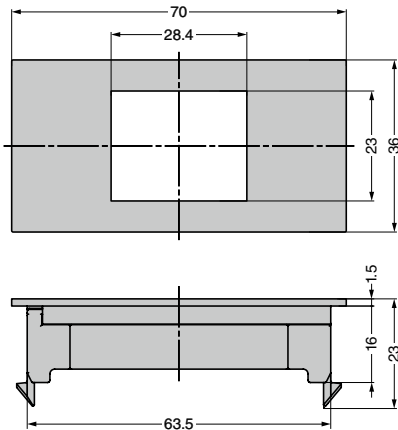
- APK-KF Frame
- APK-K70P Ventilator Panel
- APK-KH70P Wiring Panel
- DM1-USB USB Connector
- DM1-LAN LAN Connector
- DM-LCC LAN Cable Case

Warning

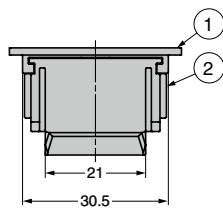
Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination

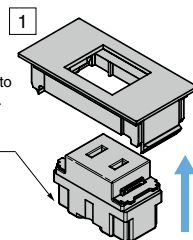
This product can be used with a frame, ventilator panel, wiring panel and an outlet, USB outlet or LAN connector (see the combination list below) (all sold separately).



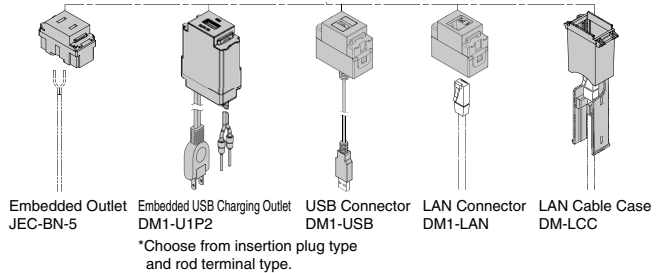
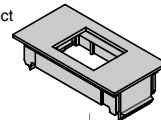
No.	Part Name	Material	Colour
①	Cover	ABS Resin	See table below
②	Bracket	PPE Resin	Black

**How to Install**

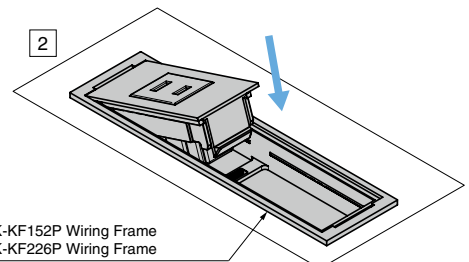
In addition to the JEC-BN-5 Embedded Outlet, it is possible to attach a USB or LAN connector. See the Compatibility Table for details.

**Combinations with Outlets, USB Outlets and LAN Connectors**

This product



*Choose from insertion plug type and rod terminal type.

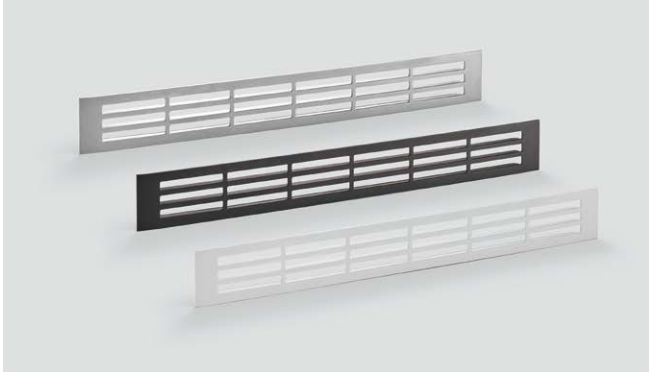


To remove the product, push in the catch of the bracket on the back. See the instruction manual for details.

CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
2D/3D	210-040-817	APK-K-DM1-BL	Black	10.6	25	250
2D/3D	210-040-818	APK-K-DM1-WT	White	10.6	25	250
2D/3D	210-040-819	APK-K-DM1-BR	Brown	10.6	25	250

ALUMINIUM ALLOY VENTILATOR

APK-H



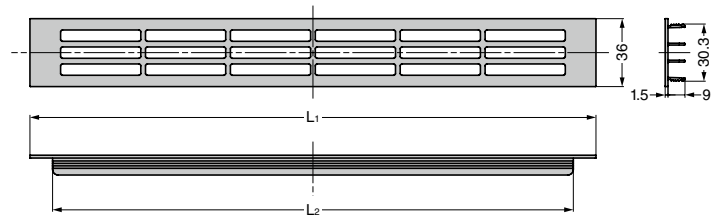
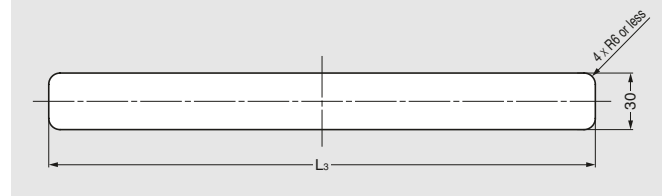
Specially designed so that the inside of the ventilator is not clearly visible.

Features

- Design prevents contents of ventilator from being clearly visible from the outside.
- Has a large vent area for superior ventilation.

Remarks

Use adhesive when mounting.

Cut Out Dimensions

CAD	Item Code	Item Name	Finish/Colour	Material	Air Circulation Surface Area (mm²)	L ₁	L ₂	L ₃	Weight(g)	Box(pcs)	Carton(pcs)
2030	210-041-919	APK-H300-SL	Silver Anodising	Aluminium Alloy	4574	300	276	290	60	30	120
2030	210-041-920	APK-H300-BL	Black Anodising								
2030	210-041-921	APK-H300-WT	Painted/White								
2030	210-041-922	APK-H300-BR	Dark Brown Anodising								
2030	210-041-923	APK-H400-SL	Silver Anodising		6100	400	376	390	80		
2030	210-041-924	APK-H400-BL	Black Anodising								
2030	210-041-925	APK-H400-WT	Painted/White								
2030	210-041-926	APK-H400-BR	Dark Brown Anodising								

MISCELLANEOUS

ALUMINIUM ALLOY VENTILATOR

OUTLET COVER

INSTRUCTION

DMC1



*Outlet and connector sold separately.

Features

- An outlet cover for devices and furniture. An embedded outlet, USB outlet, USB connector, LAN connector or LAN cable case (all sold separately) can be mounted to this product.
- See the Compatibility Table for details on products that can be mounted.
- Can be mounted to a horizontal or vertical surface.
- Flat, clean design with thickness of just 7 mm.
- The cover is made from PBT resin for outstanding chemical resistance.
- Comes with a self-closing cover to keep out dust.
- Choose from a type that can be held open and a type that remains closed.

Specifications

Operating temperature: -10°C - +40°C

Application

Airport lounges, hotel lobbies, hotel rooms, cafés, locker rooms, office furniture

Remarks

- Sockets with protruding parts such as switches or phone cable modules cannot be mounted.
- The outlet must be installed by a qualified electrician.
- Do not allow water or dust to enter the plug insertion part of the outlet. This may cause a short circuit or overheating, resulting in smoke or fire.

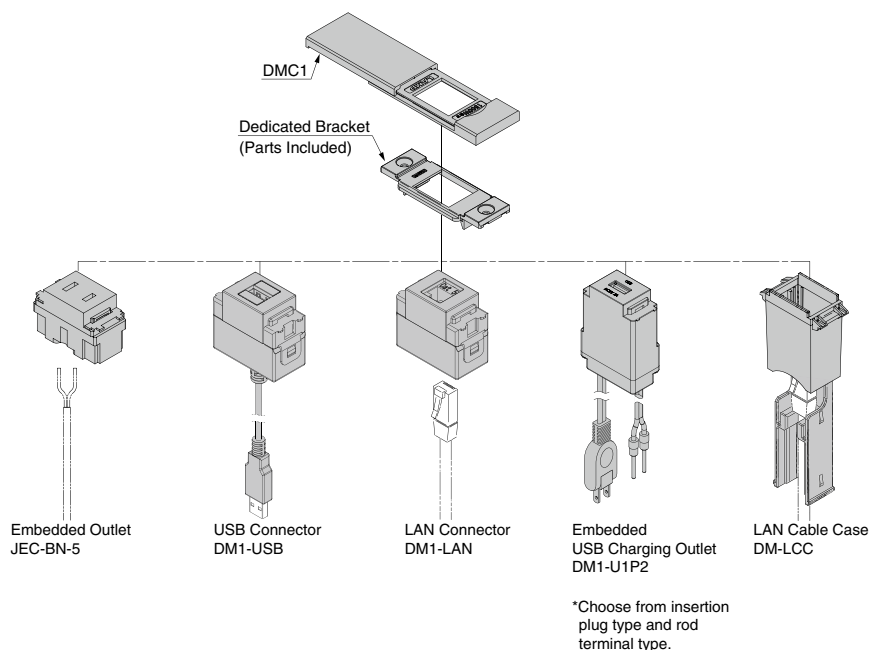
Parts Included

- Size 4 x 16 cross-recessed flat head tapping screws
- Dedicated bracket

Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination

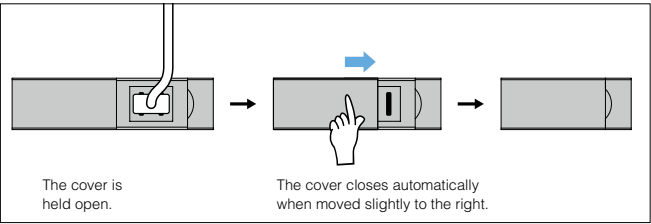


Main Body

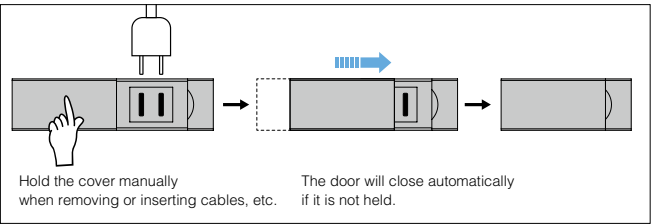
CAD	Item Code	Item Name	Colour	Specifications	No. of Ports	Weight (g)	Box (pcs)	Carton (pcs)
	210-032-581	DMC1-MC-BL	Black	Held open	1 outlet	20	15	150
	210-032-582	DMC1-MC-WT	White				15	150
	210-032-583	DMC1-MC-BR	Brown				15	150
	210-032-584	DMC1-AC-BL	Black	Remaining closed			15	150
	210-032-585	DMC1-AC-WT	White				15	150
	210-032-586	DMC1-AC-BR	Brown				15	150

Specifications of hold-open and keep-closed functions

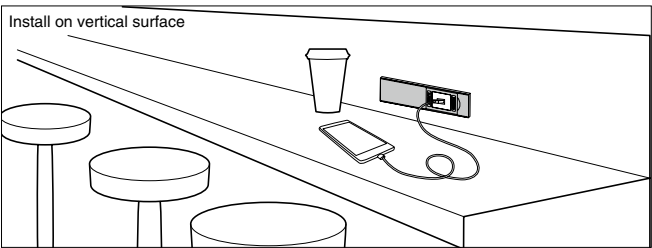
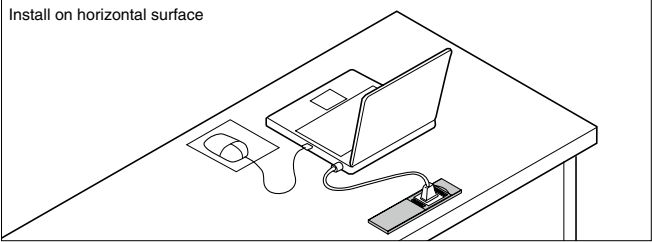
Specifications of hold-open function



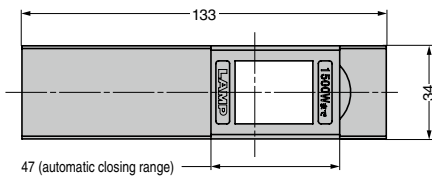
Specifications of keep-closed function



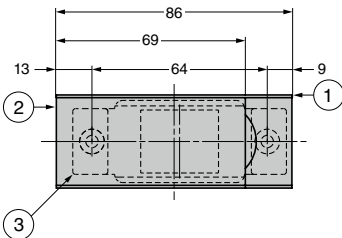
Application Example



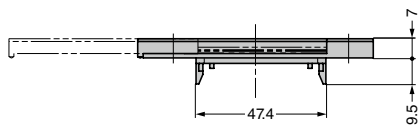
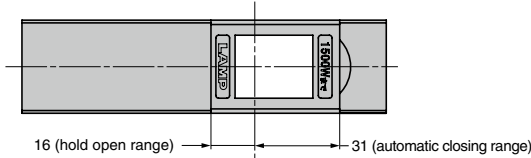
When fully open (DMC1-AC)



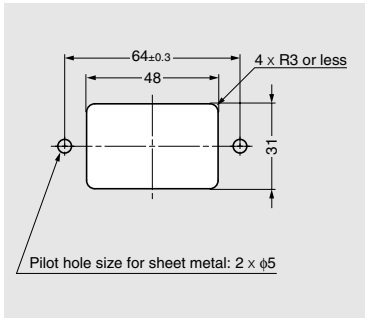
When closed



When fully open (DMC-1-MC)



Cut Out Dimensions



*The dimensional tolerance for installation holes drilled in sheet metal is ±0.3.

No.	Part Name	Material	Finish	Colour
①	Cover Body	PBT	Blast	Black/White/Brown
②	Sliding Cover	Resin	Finish	
③	Dedicated Bracket	PPE Resin	—	Black

OUTLET COVER (DOUBLE OPENING TYPE)

INSTRUCTION

DMC1W



*Outlet and connector sold separately.

Features

- An outlet cover for devices and furniture. An embedded outlet, USB outlet, USB connector, LAN connector or LAN cable case (all sold separately) can be mounted to this product.
- See the Compatibility Table for details on products that can be mounted.
- Can be mounted to a horizontal or vertical surface.
- Flat, clean design with thickness of just 7 mm.
- The cover is made from PBT resin for outstanding chemical resistance.
- Comes with a self-closing cover to keep out dust.
- Choose from a type that can be held open and a type that remains closed.

Specifications

Operating temperature: -10°C - +40°C

Application

Airport lounges, hotel lobbies, hotel rooms, cafés, locker rooms, office furniture

Remarks

- Sockets with protruding parts such as switches or phone cable modules cannot be mounted.
- The outlet must be installed by a qualified electrician.
- Do not allow water or dust to enter the plug insertion part of the outlet. This may cause a short circuit or overheating, resulting in smoke or fire.

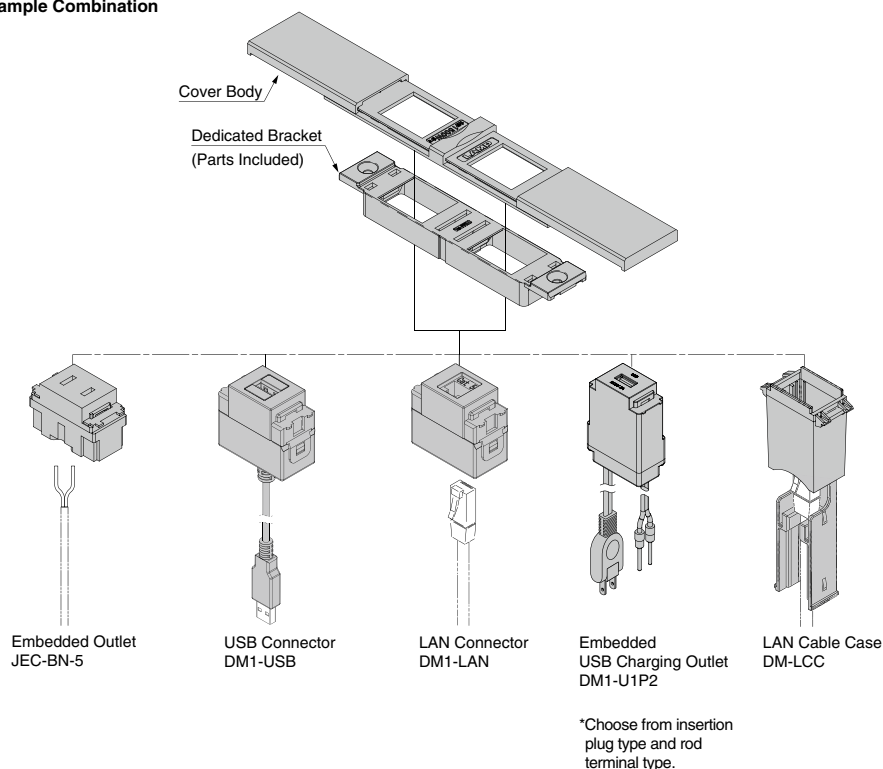
Parts Included

- Size 4 x 16 cross-recessed flat head tapping screws (stainless steel)
- Dedicated bracket

Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination

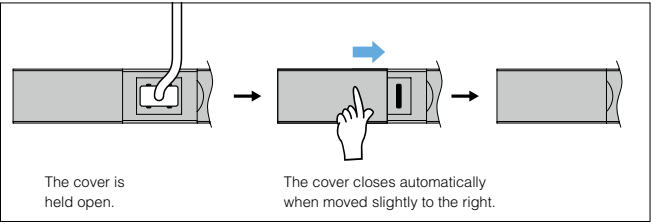


Main Body

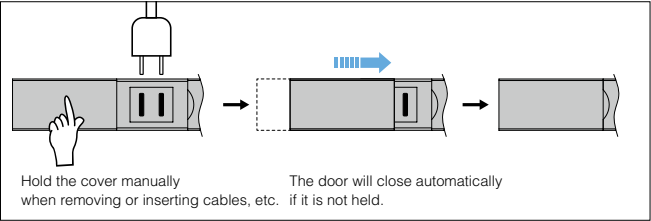
CAD	Item Code	Item Name	Colour	Specifications	No. of Ports	Weight (g)	Box (pcs)	Carton (pcs)
	210-035-881	DMC1W-MC-BL	Black	Held open	1 outlet/2 stations	30	20	160
	210-035-882	DMC1W-MC-WT	White				20	160
	210-035-883	DMC1W-MC-BR	Brown				20	160
	210-035-884	DMC1W-AC-BL	Black	Remaining closed			20	160
	210-035-885	DMC1W-AC-WT	White				20	160
	210-035-886	DMC1W-AC-BR	Brown				20	160

Specifications of hold-open and keep-closed functions

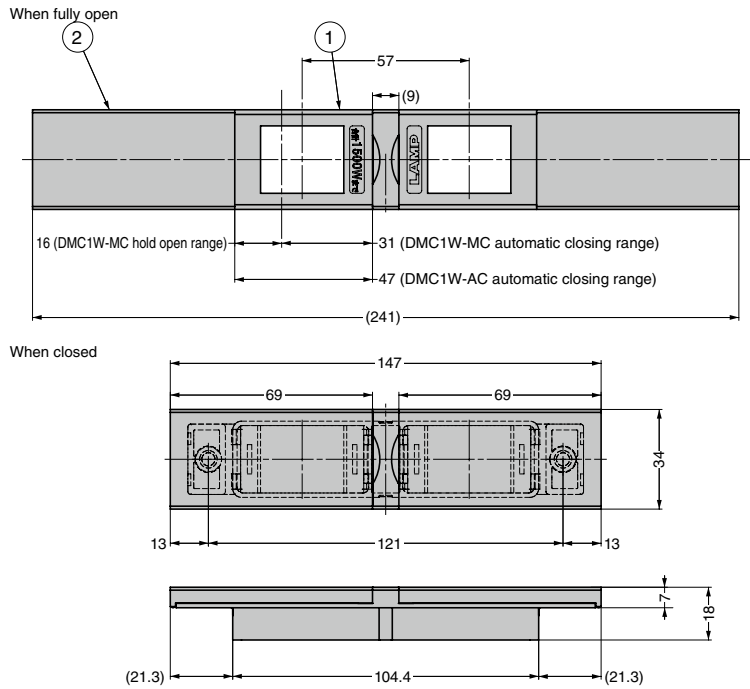
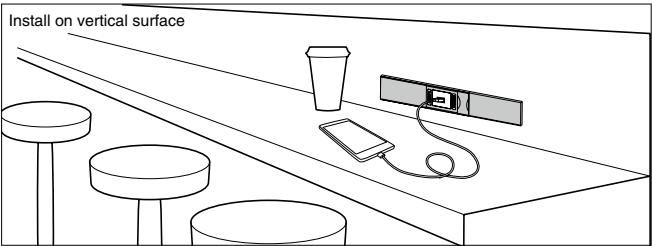
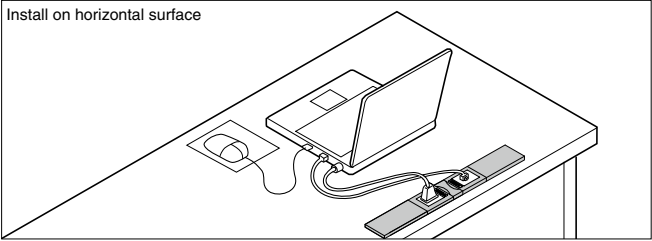
Specifications of hold-open function



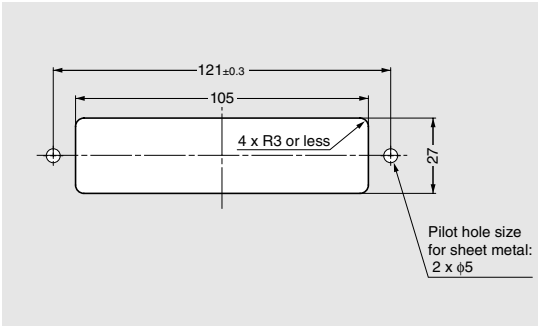
Specifications of keep-closed function



Application Example



Cut Out Dimensions



*The dimensional tolerance for installation holes drilled in sheet metal is ±0.3.

No.	Part Name	Material	Finish	Colour
①	Cover Body	PBT	Blast	Black/White/Brown
②	Sliding Cover	Resin	Finish	
③	Dedicated Bracket	PPE Resin	—	Black

OUTLET COVER

INSTRUCTION

DMC2



*Outlet and connector sold separately.

Features

- An outlet cover for devices and furniture. An embedded outlet, USB outlet, USB connector, LAN connector or LAN cable case (all sold separately) can be mounted to this product.
- See the Compatibility Table for details on products that can be mounted.
- Can be mounted to a horizontal or vertical surface.
- Flat, clean design with thickness of just 7 mm.
- The cover is made from PBT resin for outstanding chemical resistance.
- Comes with a self-closing cover to keep out dust.

Specifications

Operating temperature: -10°C - +40°C

Application

Airport lounges, hotel lobbies, hotel rooms, cafés, locker rooms, office furniture

Remarks

- Sockets with protruding parts such as switches or phone cable modules cannot be mounted.
- The outlet must be installed by a qualified electrician.
- Do not allow water or dust to enter the plug insertion part of the outlet. This may cause a short circuit or overheating, resulting in smoke or fire.

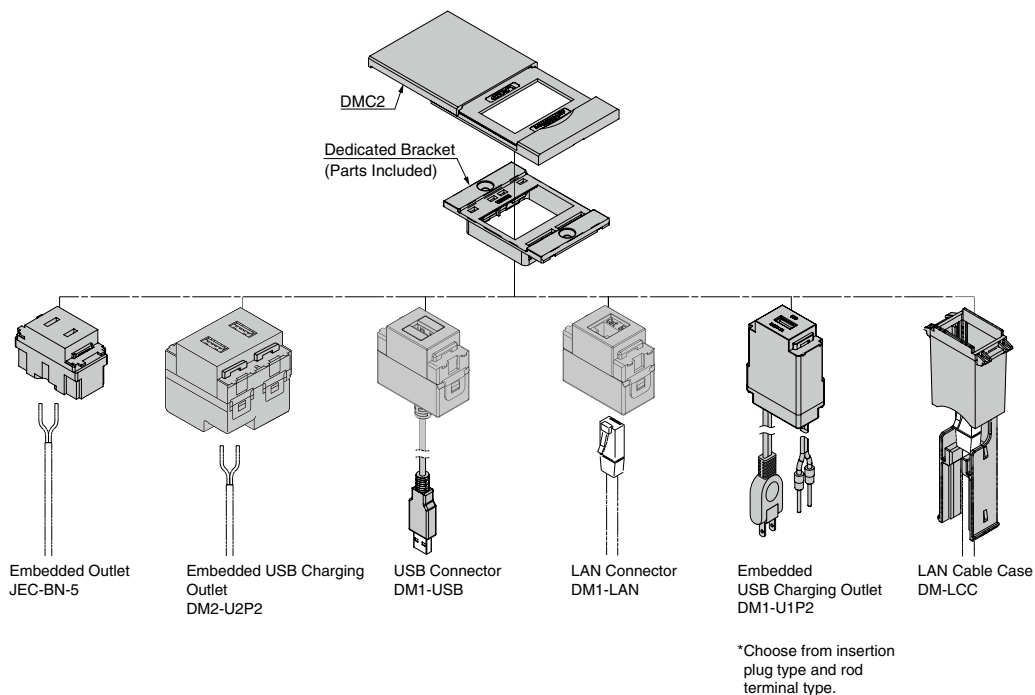
Parts Included

- Size 4 x 16 cross-recessed flat head tapping screws
- Dedicated bracket

Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination

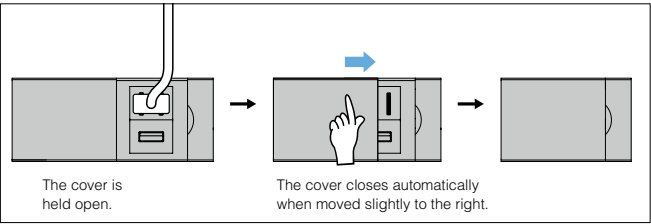


Main Body

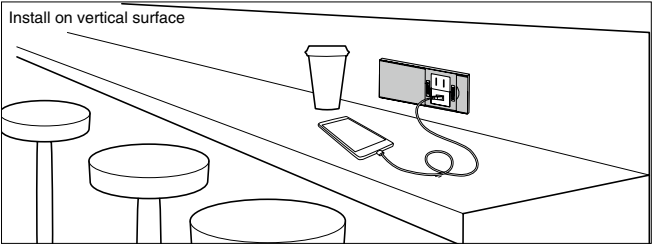
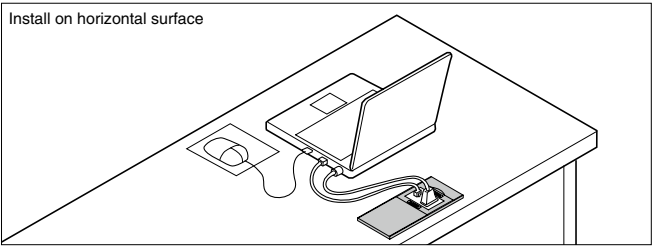
CAD	Item Code	Item Name	Colour	Specifications	No. of Ports	Weight (g)	Box (pcs)	Carton (pcs)
2030	210-032-976	DMC2-MC-BL	Black	Held open	2 outlets	30	20	160
2030	210-032-977	DMC2-MC-WT	White				20	160
2030	210-032-978	DMC2-MC-BR	Brown				20	160

Specifications of hold-open function

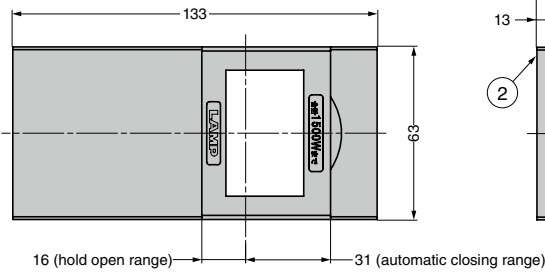
Specifications of hold-open function



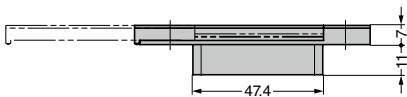
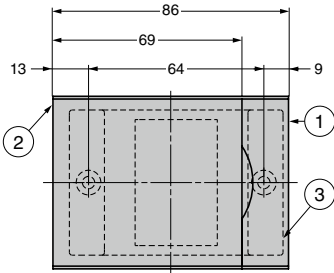
Application Example



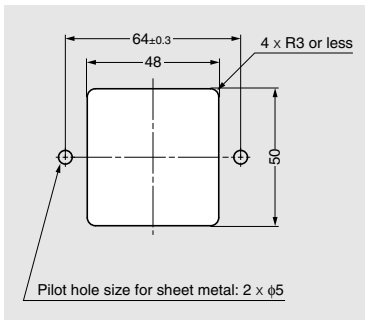
When fully open



When closed



Cut Out Dimensions



*The dimensional tolerance for installation holes drilled in sheet metal is ±0.3.

No.	Part Name	Material	Finish	Colour
①	Cover Body	PBT	Blast	Black/White/Brown
②	Sliding Cover	Resin	Finish	
③	Dedicated Bracket	PPE Resin	—	Black

OUTLET COVER

INSTRUCTION

DMC3



*Outlet and connector sold separately.

Features

- An outlet cover for devices and furniture. An embedded outlet, USB outlet, USB connector, LAN connector or LAN cable case (all sold separately) can be mounted to this product.
- See the Compatibility Table for details on products that can be mounted.
- Can be mounted to a horizontal or vertical surface.
- Flat, clean design with thickness of just 7 mm.
- The cover is made from PBT resin for outstanding chemical resistance.
- Comes with a self-closing cover to keep out dust.

Specifications

Operating temperature: -10°C - +40°C

Application

Airport lounges, hotel lobbies, hotel rooms, cafés, locker rooms, office furniture

Remarks

- Sockets with protruding parts such as switches or phone cable modules cannot be mounted.
- Do not allow water or dust to enter the plug insertion part of the outlet. This may cause a short circuit or overheating, resulting in smoke or fire.

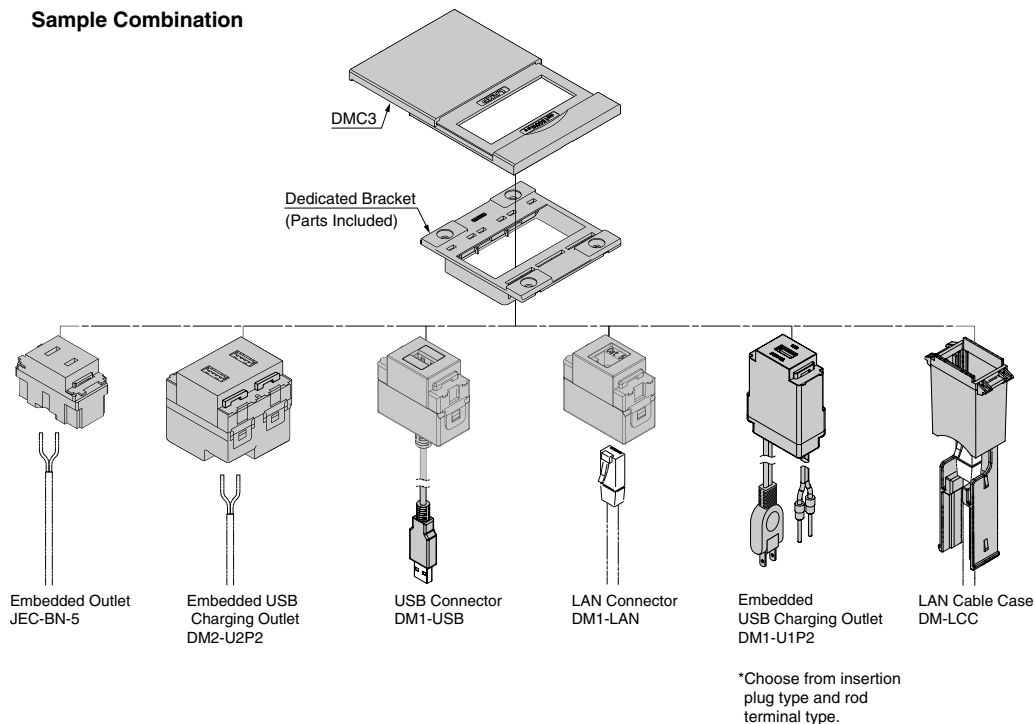
Parts Included

- Size 4 x 16 cross-recessed flat head tapping screws
- Dedicated bracket

Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination

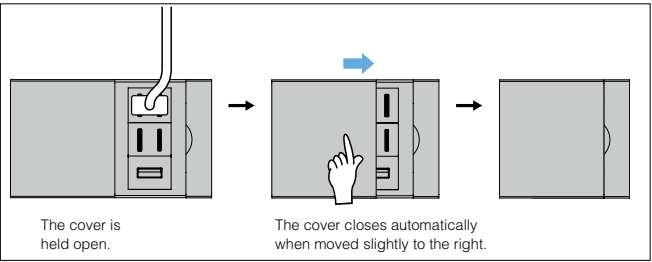


Main Body

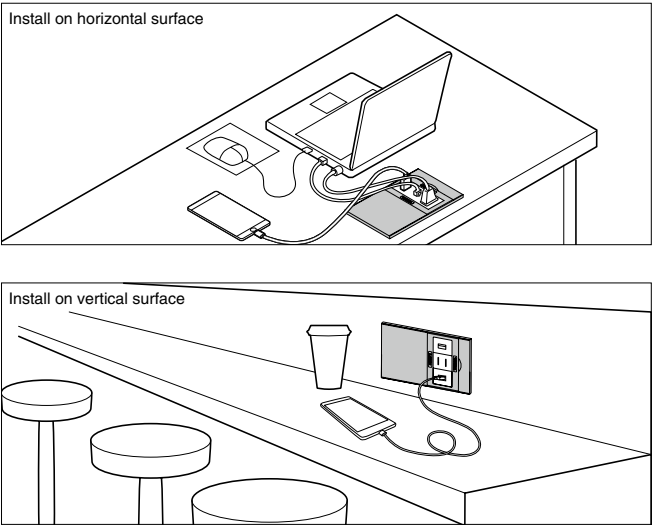
CAD	Item Code	Item Name	Colour	Specifications	No. of Ports	Weight (g)	Box (pcs)	Carton (pcs)
2030	210-032-979	DMC3-MC-BL	Black	Held open	3 outlets	40	15	120
2030	210-032-980	DMC3-MC-WT	White				15	120
2030	210-032-981	DMC3-MC-BR	Brown				15	120

Specifications of hold-open function

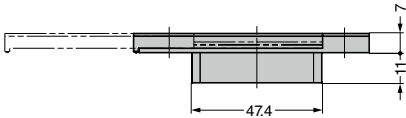
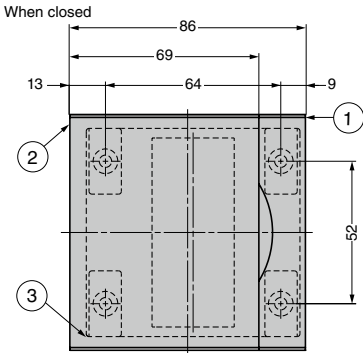
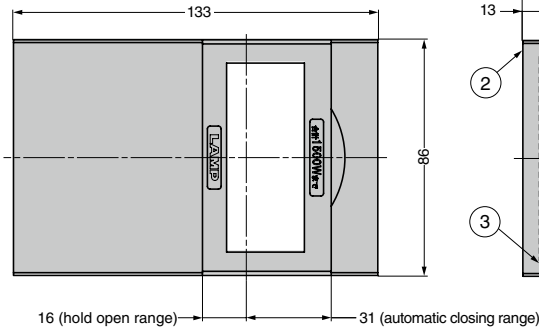
Specifications of hold-open function



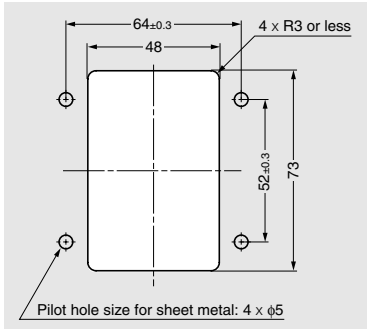
Application Example



When fully open



Cut Out Dimensions



*The dimensional tolerance for installation holes drilled in sheet metal is ±0.3.

No.	Part Name	Material	Finish	Colour
①	Cover Body	PBT	Blast	Black/White/Brown
②	Sliding Cover	Resin	Finish	
③	Dedicated Bracket	PPE Resin	—	Black

MISCELLANEOUS

OUTLET COVER

OUTLET PLATE (COOL METAL SERIES)

DMF-ES



Minimalist, utilitarian design. Reduced shine finish allows for easy integration into a wide range of interiors.

Features

A mounting plate frame (sold separately) is required when mounting.

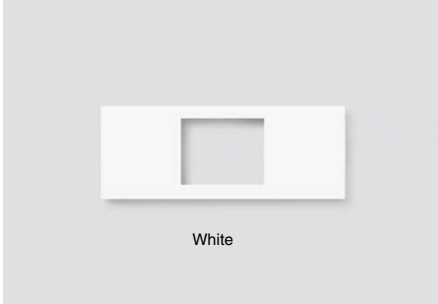
Remarks

- The outlet must be installed by a qualified electrician.
- Do not allow water or dust to enter the plug insertion part of the outlet. This may cause a short circuit or overheating, resulting in smoke or fire.

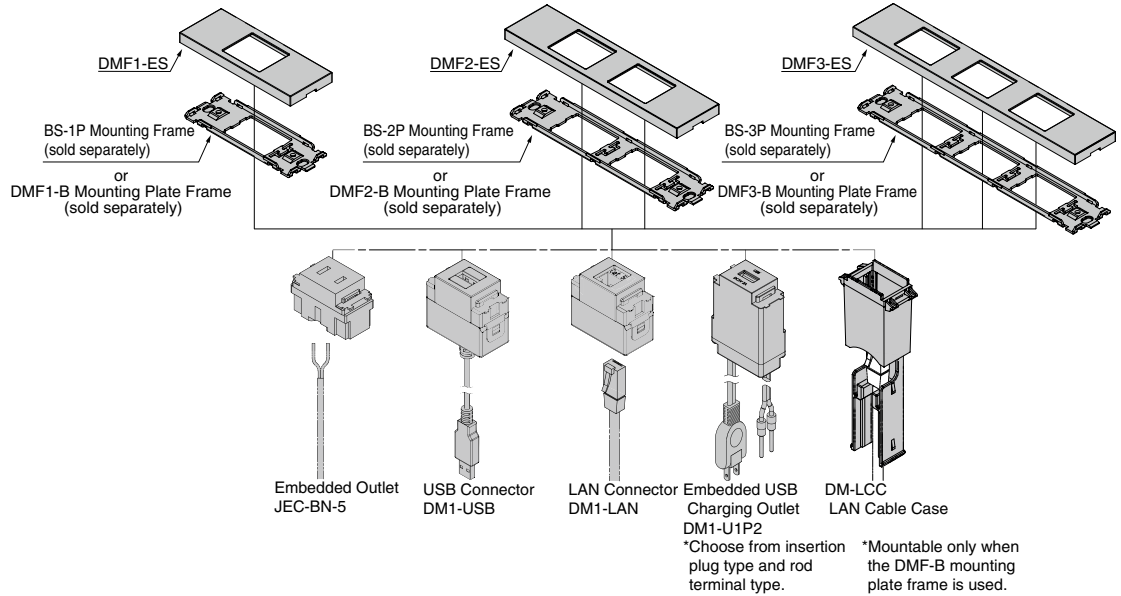
Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

*Outlet and connector sold separately.



Sample Combination



1 outlet

CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	Box (pcs)	Carton (pcs)
	210-032-982	DMF1-ES-HL	Satin	Stainless Steel (SUS304)	27	40	520
	210-032-983	DMF1-ES-BL	Satin Finish/Black			40	520
	210-041-286	DMF1-ES-WT	White	Steel (SECC)		40	520

2 outlets

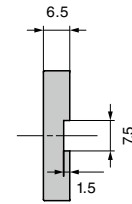
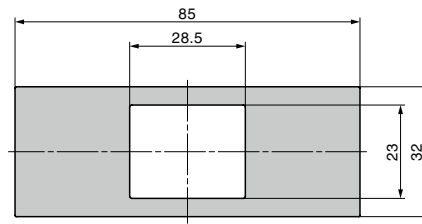
CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	Box (pcs)	Carton (pcs)
	210-032-984	DMF2-ES-HL	Satin	Stainless Steel (SUS304)	35	25	250
	210-032-985	DMF2-ES-BL	Satin Finish/Black			25	250
	210-041-287	DMF2-ES-WT	White	Steel (SECC)		25	250

3 outlets

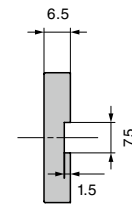
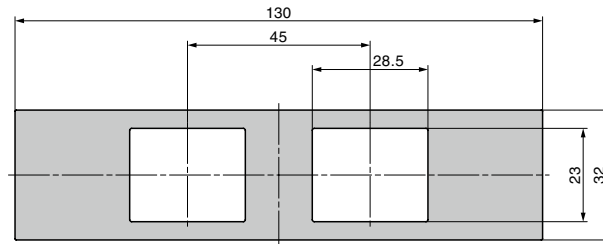
CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	Box (pcs)	Carton (pcs)
	210-032-986	DMF3-ES-HL	Satin	Stainless Steel (SUS304)	43	20	200
	210-032-987	DMF3-ES-BL	Satin Finish/Black			20	200
	210-041-288	DMF3-ES-WT	White	Steel (SECC)		20	200



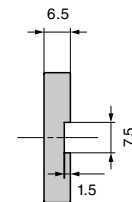
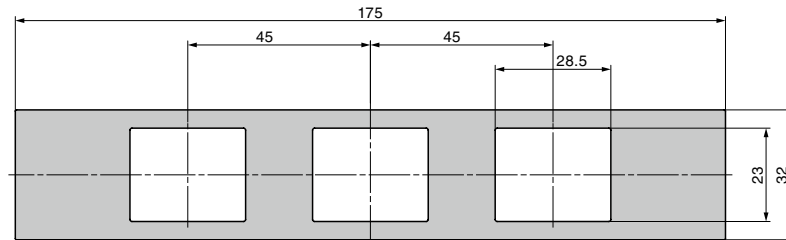
DMF1-ES (1 outlet)



DMF2-ES (2 outlets)

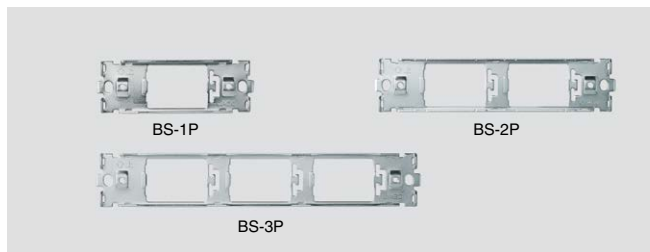


DMF3-ES (3 outlets)



MOUNTING PLATE FRAME FOR DMF-ES OUTLET PLATE

BS-P

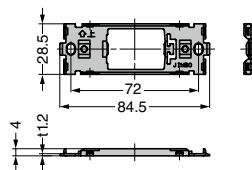


Features

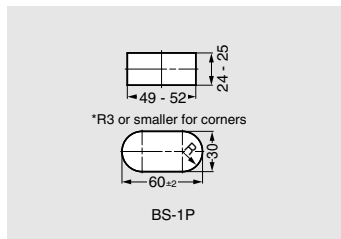
- This product is used to mount an embedded outlet, USB outlet, LAN connector or USB connector on the DMF-ES outlet plate.
- See the Compatibility Table for details on products that can be mounted.

Recommended Screw

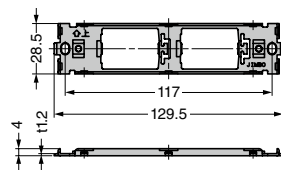
Nominal size 3.5 - 4 for tapping screws, nominal size 3.5 - 4.1 for wood screws



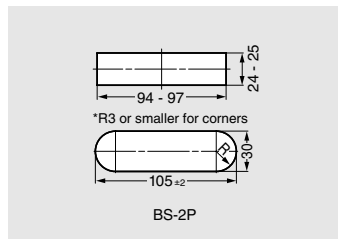
Cut Out Dimensions



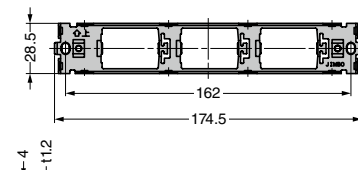
BS-1P



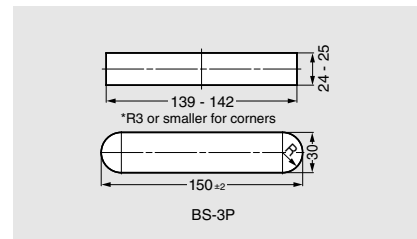
Cut Out Dimensions



BS-2P



Cut Out Dimensions

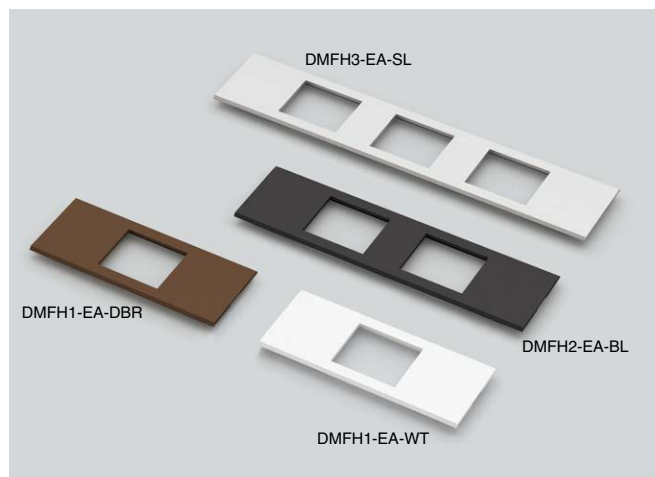


BS-3P

CAD	Item Code	Item Name	No. of Ports	Material	Box (pcs)
	210-033-135	BS-1P	1 outlet	Steel	20
	210-033-136	BS-2P	2 outlets		
	210-033-137	BS-3P	3 outlets		

OUTLET PLATE (RECESSED TYPE)

DMFH-EA



Minimalist, utilitarian design. Reduced shine finish allows for easy integration into a wide range of interiors.

Features

- A recessed outlet plate.
- Slim 1.5 mm design fits neatly into the installation surface.
- A mounting plate frame (sold separately) is required when mounting.
- See the Compatibility Table for details on products that can be combined.
- Designed with a flange to cover the edge when installing.

Application

Hotel rooms, walls, bathroom vanities, designer furniture, fittings, etc.

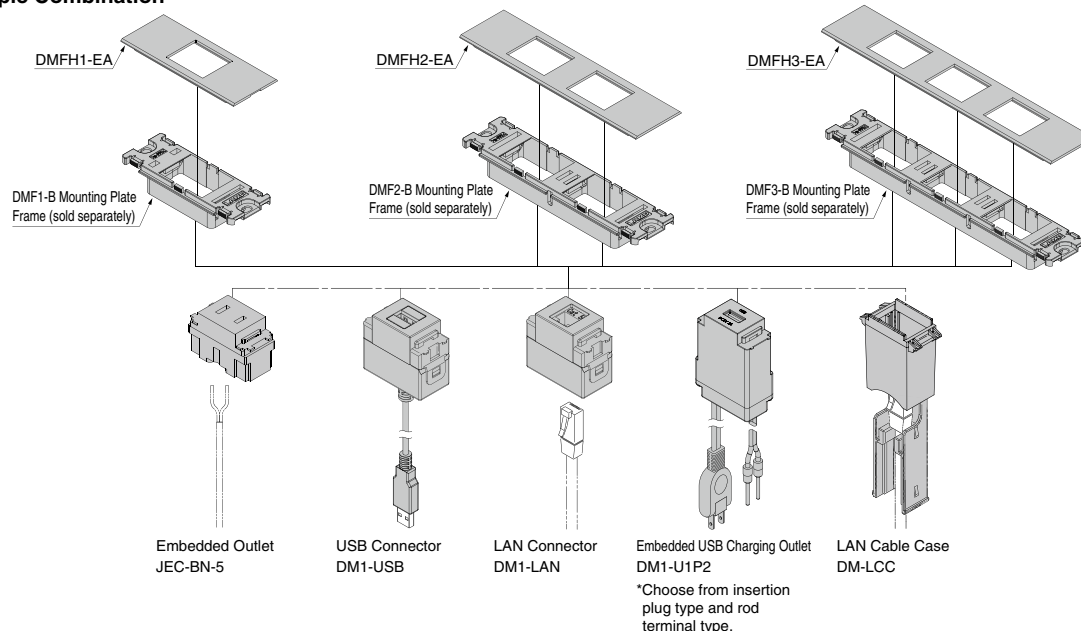
Remarks

Stepped cutting is required when mounting.

Warning

Embedded outlets and power supplies have been built according to Japanese electrical standards. They will NOT function outside of Japan.

Sample Combination



1 outlet

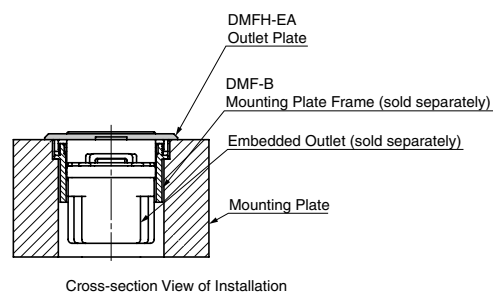
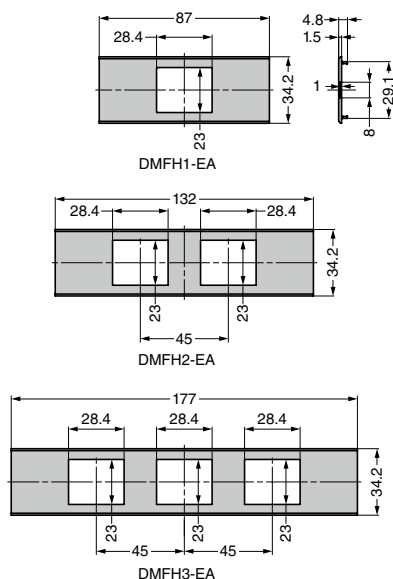
CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	No. of Ports	Box (pcs)	Carton (pcs)
2030	210-040-764	DMFH1-EA-SL	Anodised/Silver	Aluminium Alloy	10.2	1 outlet	40	1000
2030	210-040-767	DMFH1-EA-BL	Anodised/Black					
2030	210-040-773	DMFH1-EA-DBR	Anodised/Dark Brown					
2030	210-040-770	DMFH1-EA-WT	Painted/White					

2 outlets

CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	No. of Ports	Box (pcs)	Carton (pcs)
2030	210-040-765	DMFH2-EA-SL	Anodised/Silver	Aluminium Alloy	14.4	2 outlets	25	600
2030	210-040-768	DMFH2-EA-BL	Anodised/Black					
2030	210-040-774	DMFH2-EA-DBR	Anodised/Dark Brown					
2030	210-040-771	DMFH2-EA-WT	Painted/White					

3 outlets

CAD	Item Code	Item Name	Finish/Colour	Material	Weight (g)	No. of Ports	Box (pcs)	Carton (pcs)
2030	210-040-766	DMFH3-EA-SL	Anodised/Silver	Aluminium Alloy	18.6	3 outlets	20	1000
2030	210-040-769	DMFH3-EA-BL	Anodised/Black					
2030	210-040-775	DMFH3-EA-DBR	Anodised/Dark Brown					
2030	210-040-772	DMFH3-EA-WT	Painted/White					



DMF/DMFH MOUNTING PLATE FRAME

INSTRUCTION

DMF-B



Features

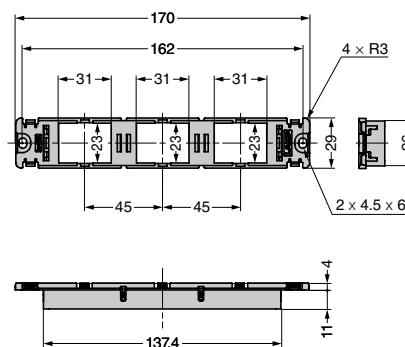
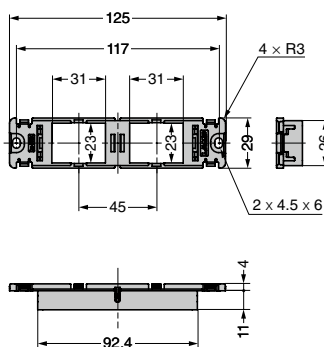
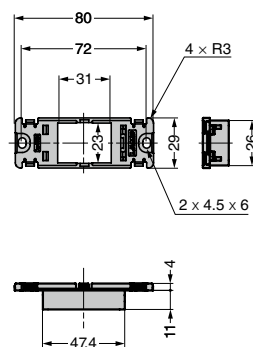
This mounting plate frame enables one-touch installation of an embedded outlet, USB outlet, LAN connector or USB connector on the DMF or DMFH outlet plate.

Remarks

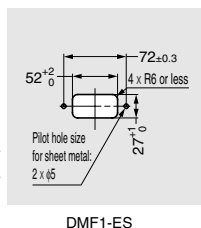
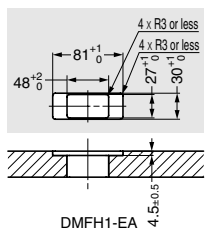
- Stepped cutting is required when mounting the DMFH outlet plate.
- The outlet must be installed by a qualified electrician.

Parts Included

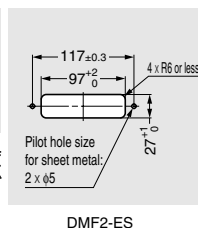
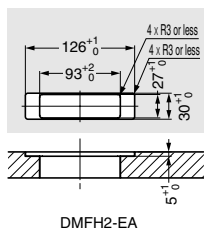
Size 4 x 16 cross-recessed binding head tapping screws



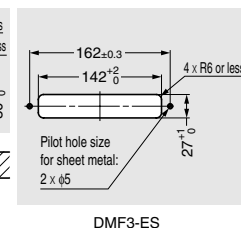
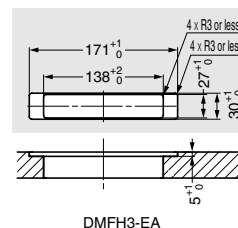
Cut Out Dimensions



Cut Out Dimensions



Cut Out Dimensions



DMFH1-EA

DMFH1-ES

DMFH2-EA

DMFH2-ES

DMFH3-EA

DMFH3-ES

DMF1-B

DMF2-B

DMF3-B

CAD	Item Code	Item Name	Material	No. of Ports	Box (pcs)	Carton (pcs)
2030	210-040-776	DMF1-B	PPE Resin	1 outlet	40	400
2030	210-040-777	DMF2-B		2 outlets	25	250
2030	210-040-778	DMF3-B		3 outlets	20	200

USB CONNECTOR

DM1-USB



Connector end

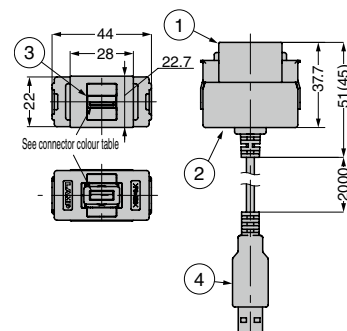


Features

- A USB connector for data communication. See the Compatibility Table for details on products to which it can be mounted.
- The cable is 2 m long.
- The USB2.0 type supports a maximum of 1A and the USB3.0 type supports a maximum of 3A.

Remarks

- This product is not guaranteed to charge all devices that can be connected to a USB connector.
- Communication speed depends on the performance of the connector and cable.



*The brackets indicate the dimensions of the USB2.0.

No.	Part Name	Material	Colour
①	Upper Cover	Polycarbonate (PC) + ABS Resin	Black, White
②	Lower Cover		Black
③	USB Holder		Black, White
④	USB Extension Cable	-	-

CAD	Item Code	Item Name	Colour	Standard	Connector Colour	Connector Shape (front)	Connector Shape (end)	Weight	Transmission Speed Mbps	Recommended Transmission Distance	Box (pcs)	Carton (pcs)
2D 3D	210-036-444	DM1-USB20-BL	Black	USB2.0	White	Female type A	Male type A	70	480	Maximum 5 m	10	100
2D 3D	210-036-813	DM1-USB20-WT	White								10	100
2D 3D	210-036-445	DM1-USB30-BL	Black	USB3.0	Blue	Female type A	Male type A	100	5000	Maximum 3 m	10	100
2D 3D	210-036-814	DM1-USB30-WT	White								10	100

LAN CONNECTOR

DM1-LAN



Back



Features

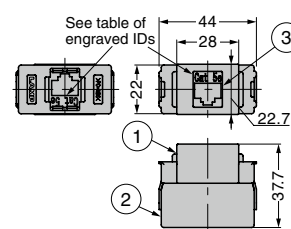
A LAN connector for data communication. See the Compatibility Table for details on products to which it can be mounted.

Specifications

- Compatible cable standards: 10G-BASE-T (supports Cat6a)/1000BASE-TX (supports Cat6)/1000BASE-T/100BASE-TX/10BASE-T (supports Cat5e)
- Compatible cables: UTP/STP cables with RJ45 connector

Remarks

Communication speed depends on the performance of the connector and cable.



No.	Part Name	Material	Colour
①	Upper Cover	Polycarbonate (PC) + ABS Resin	Black, White
②	Lower Cover		Black
③	LAN Extension Connector	-	-

CAD	Item Code	Item Name	Colour	Standard	Engraved ID	Connector Shape (front and back)	Weight	Transmission Speed Mbps	Transmission Band (MHz)	Box (pcs)	Carton (pcs)
 	210-036-446	DM1-LAN5E-BL	Black	Cat5e	Cat5e	RJ45	20	1000	100	20	200
 	210-036-815	DM1-LAN5E-WT	White							20	200
 	210-036-447	DM1-LAN6-BL	Black	Cat6	Cat6				250	20	200
 	210-036-816	DM1-LAN6-WT	White							20	200
 	210-036-448	DM1-LAN6A-BL	Black	Cat6a	10G			10000	500	20	200
 	210-036-817	DM1-LAN6A-WT	White							20	200

LAN CABLE CASE

DM-LCC



Features

- A LAN cable case that can be mounted to the outlet covers or plates of furniture.
- Interior LAN cable storage eliminates the trouble of individual cable management.

Specifications

- Compatible cable sizes

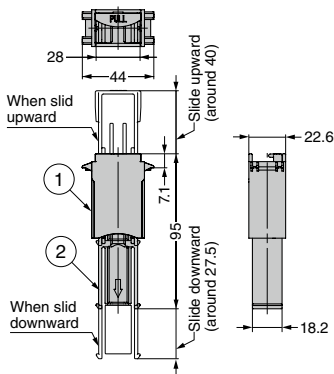
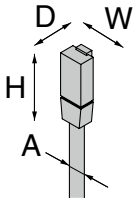
A = Maximum 7 mm

H = Maximum 40 mm

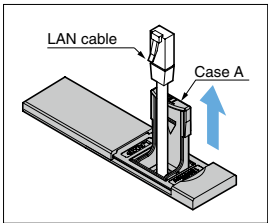
W = 8 - 18 mm

D = 8 - 10 mm

Cables other than LAN cables, if within these size ranges, can also be used.

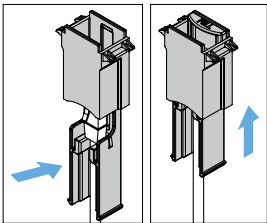


How to Use the LAN Cable Case



LAN cables can be pulled out by pulling on Case A in the LAN cable case.

How to Install the LAN Cable Case



Thread the LAN cable through the case and push the case up.

No.	Part Name	Material	Colour
①	Bracket	PBT Resin	Black
②	Inner Case		

CAD	Item Code	Item Name	Weight (g) / pc	Box (pcs)	Carton (pcs)
-	210-026-389	DM-LCC	28	100	400

MISCELLANEOUS

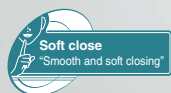
LAN CABLE CASE

MULTI-PURPOSE LIDS W/DAMPER (W/KEY)

INSTRUCTION

SUS

AZ-GD230L-HL



Features

- The lid opening can be locked shut, preventing unauthorised substances from being inserted. This makes it easy to limit access to the waste area and prevent unintended uses.
- The indicator turns red when locked.
- The square type quarter turn lock makes it easy to remove obstructions such as chewing gum.
- Fitted with a vibration reduction mechanism to significantly reduce wobbling and clicking sounds.
- Soft-close functionality. Built-in damper causes lid to gently close when released, preventing slamming sounds.
- Side plates on the plate interior prevent fingers from getting stuck or pinched when lid closes.
- Designed for vertical use.
- Optional inlet guide to prevent items from falling out. (Sold separately)

Specifications

Operating temperature: 0°C - 40°C

Application

Dining areas on trains and in public locations including railway stations, retail facilities, and convenience stores.

Remarks

- Cannot be used outdoors.
- The closing speed of the cover varies depending on the temperature of the operating environment. If the product has been stored in subzero temperatures, expose it to indoor temperatures of 0°C or higher for several hours before use.

Parts Included

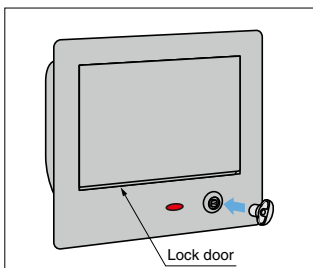
Key (200-0403), cautionary sticker, instruction manual

Optional Parts

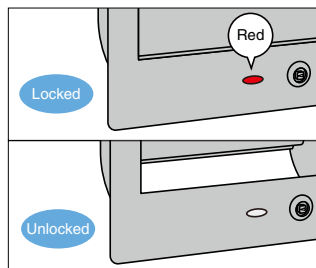
AZ-SLP230 Inlet Guide (Sold separately)

Recommended Screw

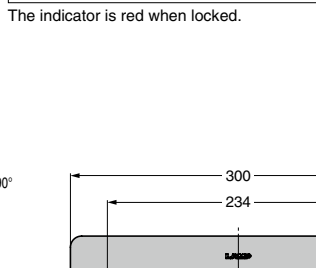
Pan head tapping screws (nominal size 3) or pan head M3 screws (4 pcs)



The cover of the inlet can be locked shut, preventing unauthorised substances from being inserted. This makes it easy to limit use of the waste chute to the intended purpose.



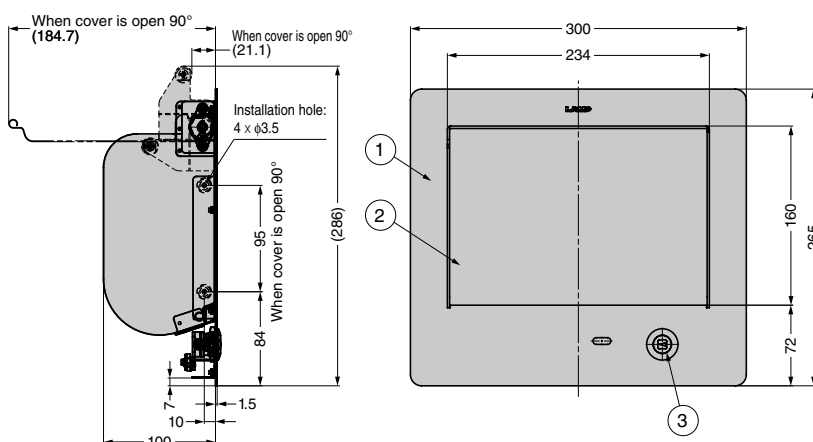
The indicator is red when locked.



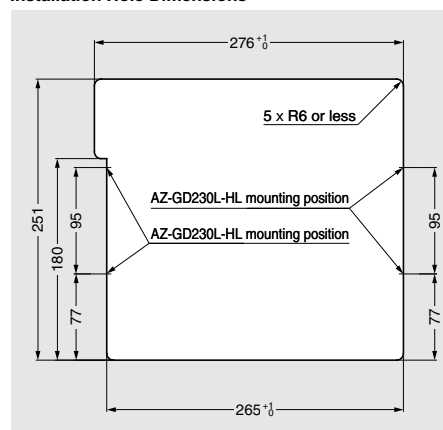
Recommended for settings such as on-board transportation, where restricted usage of waste chutes is often required.



Key is 100 - 90 type.



Installation Hole Dimensions



No.	Part Name	Material	Finish
①	Front Plate	Stainless Steel	Satin
②	Cover	(SUS304)	
③	Lock	Zinc Alloy/Steel	

CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pc)	Carton (pcs)
2030	210-037-892	AZ-GD230L-HL	Stainless Steel (SUS304)	Satin	2250	1	6

Understandable! Selectable! Usable!

Sugatsune Website

<http://www.sugatsune-intl.com>

MISCELLANEOUS

You can visit the website to



- Check new product information



- View product introduction video



- Browse digital web catalogue

Refer to Back Cover



- Use product selection tool

Refer to Back Cover



- Download installation instructions

SUGATSUNE

Search

MULTI-PURPOSE LID (W/DAMPER)

STAINLESS
304
STEEL

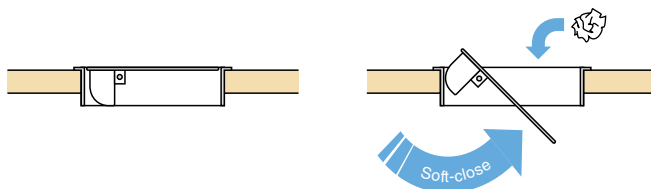
AD-GD



Features

- Lid equipped with damper.
- Corrosion resistant.
- Wide opening.
- Operating temperature: 0°C - 40°C

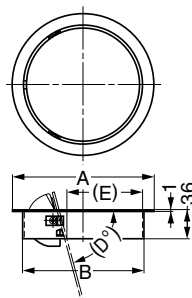
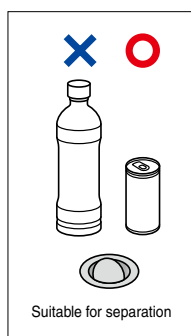
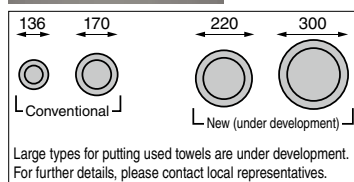
Installation



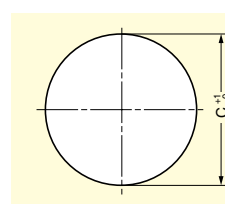
Video Link



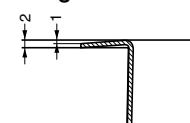
Installation



Cut Out Dimensions



Flange



Item Code	Item Name	Material	Finish	A	B	C	D	E	Weight	Box	Carton
210-029-219	AD-GD011-HL(Old:AD-DH011-HL)	Stainless Steel (SUS304)	Satin	136	106	107	87	62	460 g	1 pc	10 pcs
210-022-107	AD-GD015-HL(Old:AD-DH017-HL)	Stainless Steel (SUS304)	Satin	170	146	147	75	90	1000 g	1 pc	10 pcs
-	AD-GD020-HL	Stainless Steel (SUS304)	Satin	220	196	197	-	-	-	-	-
-	AD-GD028-HL	Stainless Steel (SUS304)	Satin	300	276	277	-	-	-	-	-

MULTI-PURPOSE LID

STAINLESS
304
STEEL

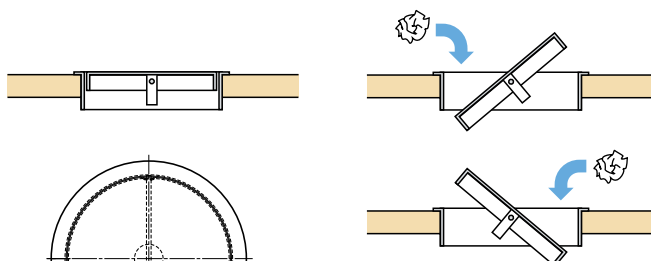
AD-DH015-HL



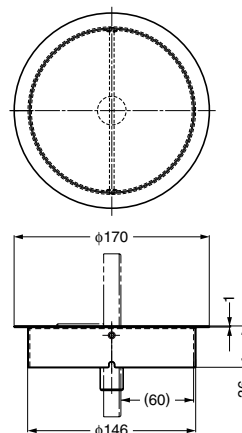
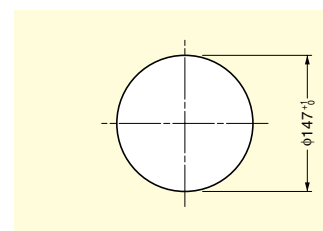
Features

- 360° rotation.
- Corrosion resistant.

Installation



Cut Out Dimensions



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-170-079	AD-DH015-HL	Stainless Steel (SUS304)	Satin	560 g	1 pc	10 pcs

RING COVER FOR REFUSE BOX

STAINLESS
304
STEEL

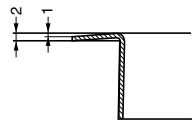
AN-DH, AN-LH



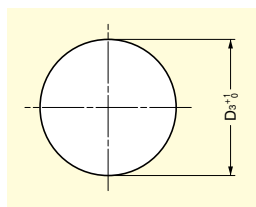
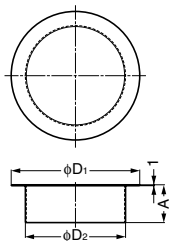
Installation



Flange



Cut Out Dimensions



Features

- Corrosion resistant.
- Wide variations (Size/Depth/Finish)

Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-032-779	AN-DH005-GP	Stainless Steel (SUS304)	Gold	66 g	1 pc	50 pcs
210-032-780	AN-DH005-MR	Stainless Steel (SUS304)	Mirror	66 g	1 pc	100 pcs
210-032-781	AN-DH005-HL	Stainless Steel (SUS304)	Satin	66 g	1 pc	100 pcs
210-022-094	AN-DH008-GP	Stainless Steel (SUS304)	Gold+Clear	107 g	1 pc	10 pcs
210-022-095	AN-DH008-MR	Stainless Steel (SUS304)	Mirror	107 g	1 pc	10 pcs
210-022-096	AN-DH008-HL	Stainless Steel (SUS304)	Satin	107 g	1 pc	10 pcs
210-170-078	AN-DH011-GP	Stainless Steel (SUS304)	Gold+Clear	137 g	1 pc	10 pcs
210-170-076	AN-DH011-MR	Stainless Steel (SUS304)	Mirror	137 g	1 pc	10 pcs
210-170-077	AN-DH011-HL	Stainless Steel (SUS304)	Satin	137 g	1 pc	10 pcs
210-172-533	AN-DH015-GP	Stainless Steel (SUS304)	Gold+Clear	182 g	1 pc	10 pcs
210-172-532	AN-DH015-MR	Stainless Steel (SUS304)	Mirror	182 g	1 pc	10 pcs
210-172-531	AN-DH015-HL	Stainless Steel (SUS304)	Satin	182 g	1 pc	10 pcs
210-032-782	AN-LH005-GP	Stainless Steel (SUS304)	Gold	50 g	1 pc	50 pcs
210-032-783	AN-LH005-MR	Stainless Steel (SUS304)	Mirror	50 g	1 pc	100 pcs
210-032-784	AN-LH005-HL	Stainless Steel (SUS304)	Satin	50 g	1 pc	100 pcs
210-022-097	AN-LH008-GP	Stainless Steel (SUS304)	Gold+Clear	77 g	1 pc	10 pcs
210-022-098	AN-LH008-MR	Stainless Steel (SUS304)	Mirror	77 g	1 pc	10 pcs
210-022-099	AN-LH008-HL	Stainless Steel (SUS304)	Satin	77 g	1 pc	10 pcs
210-022-100	AN-LH011-GP	Stainless Steel (SUS304)	Gold+Clear	92 g	1 pc	10 pcs
210-022-101	AN-LH011-MR	Stainless Steel (SUS304)	Mirror	92 g	1 pc	10 pcs
210-022-102	AN-LH011-HL	Stainless Steel (SUS304)	Satin	92 g	1 pc	10 pcs
210-022-103	AN-LH015-GP	Stainless Steel (SUS304)	Gold+Clear	122 g	1 pc	10 pcs
210-022-104	AN-LH015-MR	Stainless Steel (SUS304)	Mirror	122 g	1 pc	10 pcs
210-022-105	AN-LH015-HL	Stainless Steel (SUS304)	Satin	122 g	1 pc	10 pcs

Model	A	D ₁	D ₂	D ₃
AN-DH005	36	82	58	59
AN-DH008	36	112	82	83
AN-DH011	40	136	106	107
AN-DH015	36	170	146	147
AN-LH005	22	82	58	59
AN-LH008	22	112	82	83
AN-LH011	22	136	106	107
AN-LH015	22	170	146	147

*AN-DH008-AN-LH008 = AN-DH001-AN-LH001 (Previous item name).

MULTI-PURPOSE LID (W/DAMPER)

STAINLESS
304
STEEL

AD-KH015-HL



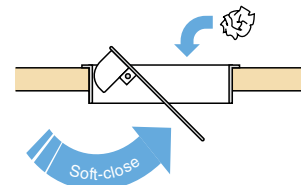
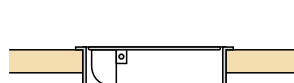
Features

- Lid equipped with damper.
- Corrosion resistant.
- Wide opening.
- Operating temperature: 0°C - 40°C

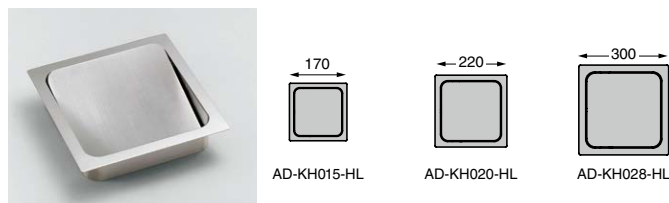
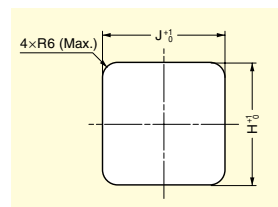
Video Link



Installation



Cut Out Dimensions



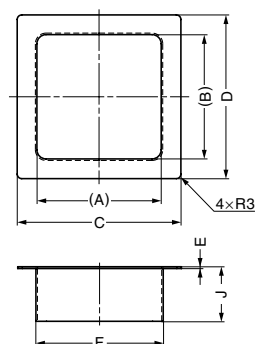
Item Code	Item Name	Material	Finish	A	B	C	D	E	F	G	H	J	Weight	Box	Carton
210-022-108	AD-KH015-HL (Old:AD-KH017-HL)	Stainless Steel (SUS304)	Satin	170	170	12	36	146	80	93	147	147	970 g	1 pc	6 pcs
210-037-893	AD-KH020-HL	Stainless Steel (SUS304)	Satin	200	200	12	50	196	77	127	197	197	1400 g	1 pc	6 pcs
210-037-894	AD-KH028-HL	Stainless Steel (SUS304)	Satin	300	300	12	72	276	80	191	277	277	2570 g	1 pc	6 pcs

SQUARE COVER FOR REFUSE BOX

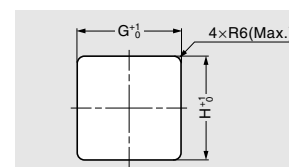
**STAINLESS
304
STEEL**
AN-KH


Features

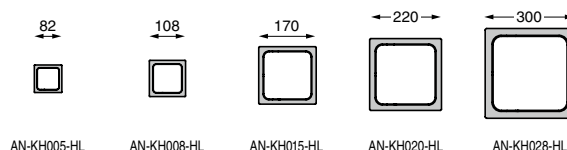
Corrosion resistant.



Cut Out Dimensions



Suitable for separation



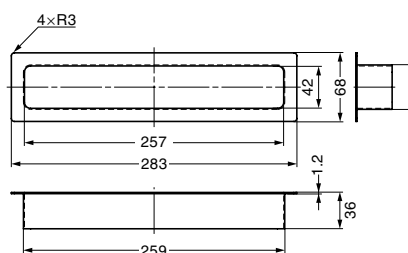
Item Code	Item Name	Material	Finish	A	B	C	D	E	F	G	H	J	Weight	Box	Carton
210-032-785	AN-KH005-HL	Stainless Steel (SUS304)	Satin	56	56	82	82	1.2	58	59	59	36	87 g	1 pc	150 pcs
210-028-436	AN-KH008-HL(Old: AN-KH001)	Stainless Steel (SUS304)	Satin	82	82	108	108	1.2	84	85	85	36	126 g	1 pc	10 pcs
210-022-109	AN-KH015-HL(Old: AN-KH017)	Stainless Steel (SUS304)	Satin	144	144	170	170	1.2	146	147	147	36	217 g	1 pc	10 pcs
210-037-895	AN-KH020-HL	Stainless Steel (SUS304)	Satin	194	194	220	220	1.2	196	197	197	50	388 g	1 pc	6 pcs
210-037-896	AN-KH028-HL	Stainless Steel (SUS304)	Satin	274	274	300	300	1.2	276	277	277	72	733 g	1 pc	6 pcs

MULTI-PURPOSE GROMMET

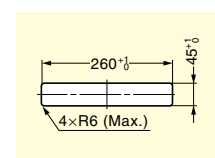
**STAINLESS
304
STEEL**
AN-SH026-HL


Features

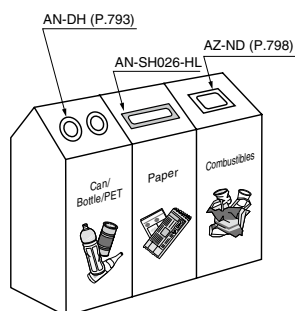
- Corrosion resistant.
- Ideal for magazine/news paper waste box.



Cut Out Dimensions



Suitable for separation



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-028-437	AN-SH026-HL	Stainless Steel (SUS304)	Satin	290 g	1 pc	10 pcs

STAINLESS STEEL FUNNEL

STAINLESS
304
STEEL

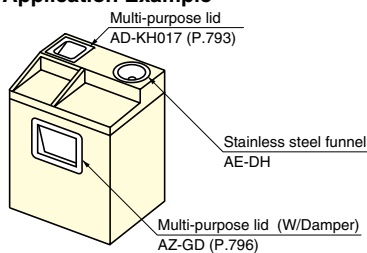
AE-DH



AE-DH020-MR

AE-DH020-HL

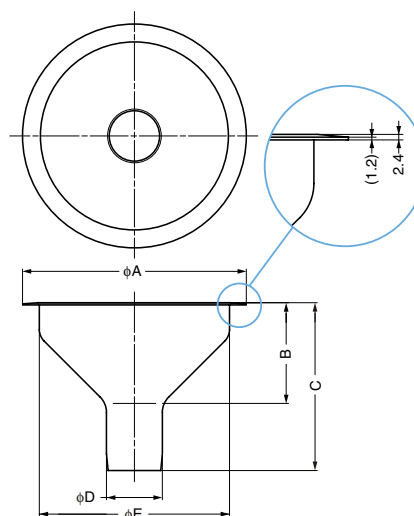
Application Example



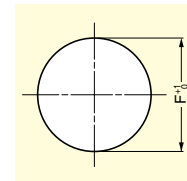
Sold Separately

Hose: AE-DH4540-1 (Below)

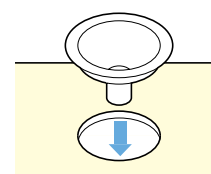
Strainer: AE-DH020K-45 (P.796)



Cut Out Dimensions



Easy Installation



Item Code	Item Name	A	B	C	D	E	F	Material	Finish	Hose Diameter	Weight	Box	Carton
210-026-556	AE-DH015-MR	150	55	95	38	120	121	Stainless Steel (SUS304)	Mirror	φ38	270 g	1 pc	12 pcs
210-026-557	AE-DH015-HL	150	55	95	38	120	121	Stainless Steel (SUS304)	Satin	φ38	270 g	1 pc	12 pcs
210-022-106	AE-DH020-MR	200	90	150	50	170	171	Stainless Steel (SUS304)	Mirror	φ50	490 g	1 pc	12 pcs
210-023-509	AE-DH020-HL	200	90	150	50	170	171	Stainless Steel (SUS304)	Satin	φ50	490 g	1 pc	12 pcs

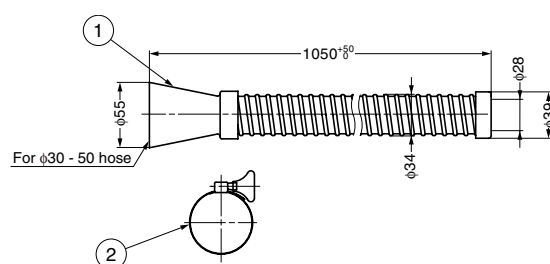
HOSE FOR AE-DH

AE-DH4540-1

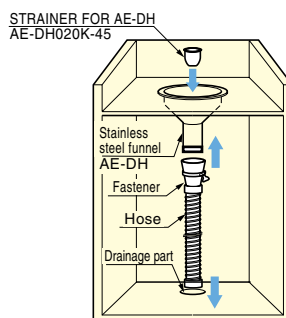


Remarks

Operating temperature: 1°C - 60°C.



Application Example



No.	Part Name	Material	Finish/Colour
①	Hose	Polyvinyl Chloride Resin (PVC)	Grey
②	Fastener	Stainless Steel	Plain

Item Code	Item Name	Weight	Box	Carton
210-026-942	AE-DH4540-1	170 g	10 pcs	50 pcs

STRAINER FOR AE-DH

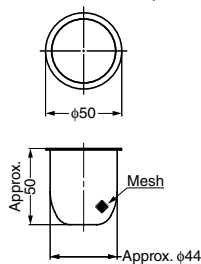
STAINLESS
304
STEEL

AE-DH020K-45

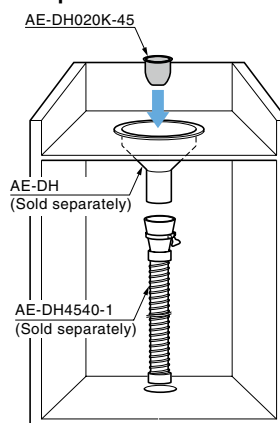


Remarks

- Sold per 2 pieces.
- For AE-DH020 (P.795).



Application Example



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-032-187	AE-DH020K-45	Stainless Steel (SUS304)	Polished	8 g	20 pcs/10 sets	120 pcs/60 sets

MULTI-PURPOSE LID (W/DAMPER)

STAINLESS
304
STEEL

AZ-GD



Soft close



Features

- Lid equipped with damper.
- Installed with anti-pinch plates.
- Corrosion resistant.

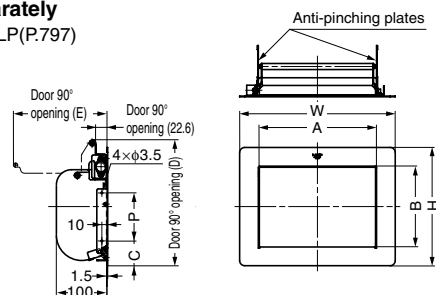
Remarks

Operating temperature: 0°C - 40°C

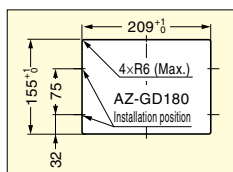
Sold Separately

Guide: AZ-SLP (P.797)

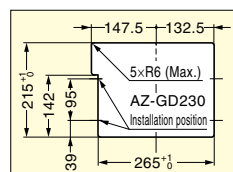
Video Link



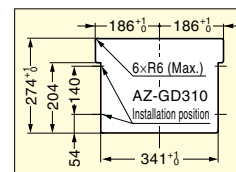
Cut Out Dimensions



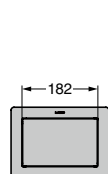
AZ-GD180-HL



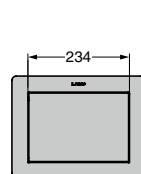
AZ-GD230-HL



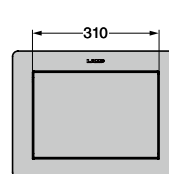
AZ-GD310-HL



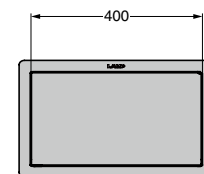
AZ-GD180-HL



AZ-GD230-HL



AZ-GD310-HL



AZ-GD400-HL [Under Development]

Narrow frame type

Narrow frame type

Item Code	Item Name	Material	Finish	A	B	W	H	C	D	E	P	Weight	Box	Carton
210-033-487	AZ-GD180-HL	Stainless Steel (SUS304)	Satin	182	128	218	164	37	182	149.5	75	1042 g	1 pc	10 pcs
210-017-089	AZ-GD230-HL	Stainless Steel (SUS304)	Satin	234	160	308	234	49	249	184.7	95	1486 g	1 pc	10 pcs
210-022-110	AZ-GD310-HL	Stainless Steel (SUS304)	Satin	310	220	384	294	64	310	244.7	140	2236 g	1 pc	10 pcs
—	AZ-GD400-HL	Stainless Steel (SUS304)	Satin	400	220	450	270	44	312	242	167	—	1 pc	—

**STAINLESS
304
STEEL**

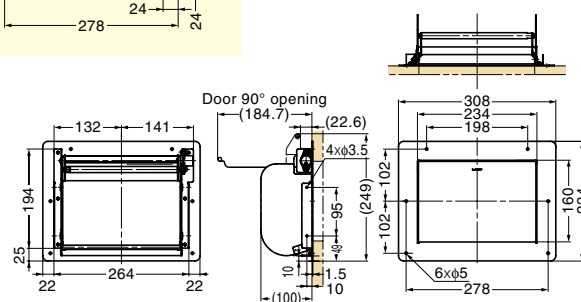
MISCELLANEOUS



- Lid equipped with damper.
- Installed with anti-pinching plates.

- Indoor use only.
- Operating temperature: 0°C - 40°C.

Technical drawing of the front view of a rectangular box. The overall width is 230 mm, with a central opening of 198 mm. The overall height is 102 mm, with a central opening of 156 mm. The box has a depth of 24 mm. A chamfer of 4xR6 (Max) is indicated on the top edge of the central opening. The distance from the top edge to the opening is 16 mm, and from the bottom edge to the opening is 24 mm.



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-027-508	AZ-GD231-HL	Stainless Steel (SUS304)	Satin	1486 g	1 pc	10 pcs

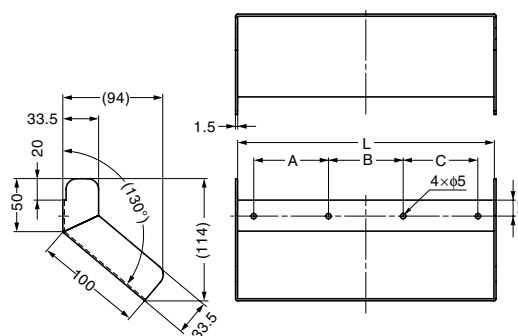
STAINLESS
304
STEEL

AZ-SLP



Guides garbage into waste box inside.

Waste box



Item Code	Item Name	Compatible Items	Material	Finish	L	A	B	C	Weight	Box	Carton
210-026-554	AZ-SLP230	AZ-GD230 (P.796),AZ-GD231 (Above),AZ-GD232(P.798)	Stainless Steel (SUS304)	Plain	241	70	70	70	450 g	1 pc	20 pcs
210-026-555	AZ-SLP310	AZ-GD310 (P.796)	Stainless Steel (SUS304)	Plain	317	80	80	80	570 g	1 pc	20 pcs

MULTI-PURPOSE LID (W/DAMPER)

AZ-GD232-HL



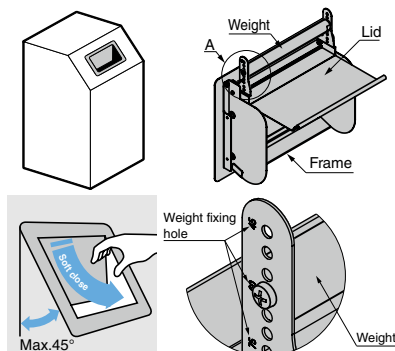
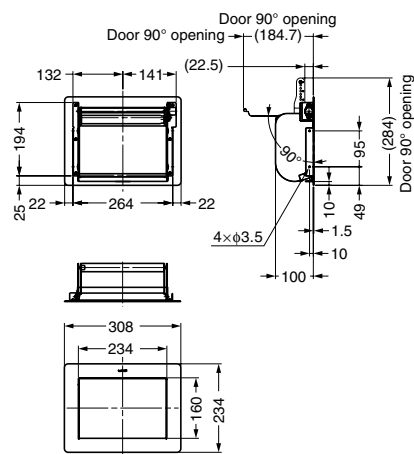
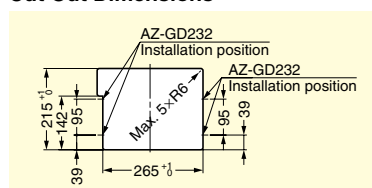
Features

- Lid equipped with damper.
- Able to install the lid with angle of 85 to 45 degrees.
- Installed with anti-pinching plates.
- Corrosion resistant.

Remarks

Operating temperature: 0°C - 40°C

Cut Out Dimensions



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-032-975	AZ-GD232-HL	Stainless Steel (SUS304)	Satin	2200	1 pc	10 pcs

SQUARE COVER FOR REFUSE BOX

STAINLESS
304
STEEL

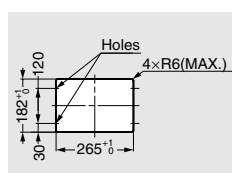
AZ-ND

Features

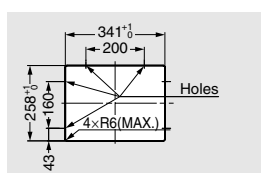
Corrosion resistant.



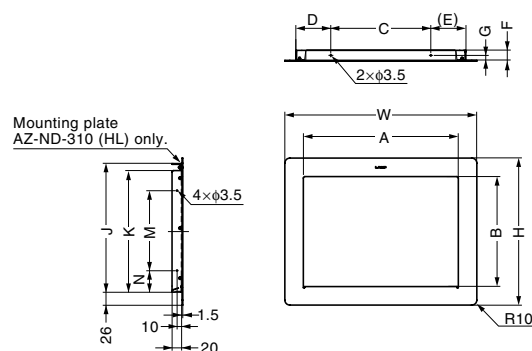
Cut Out Dimensions



AZ-ND230-HL



AZ-ND310-HL



Item Code	Item Name	Material	Finish	A	B	W	H	C	D	E	F	G	J	K	M	N	Weight	Box	Carton
210-017-986	AZ-ND230-HL	Stainless Steel (SUS304)	Satin	234	160	308	234	-	-	-	-	-	-	170	120	30	720 g	1 pc	10 pcs
210-026-553	AZ-ND310-HL	Stainless Steel (SUS304)	Satin	310	220	384	294	200	70	70	20	10	257	243	160	43	1050 g	1 pc	10 pcs

MULTI-PURPOSE LID (DOUBLE DOOR)

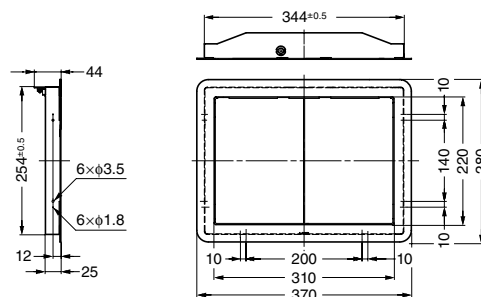
STAINLESS
304
STEEL

AZ-DD310-HL

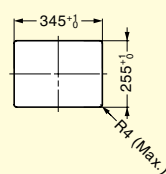


Features

- Synchronized doors allow easy opening.
- Spring loaded for self-closing.
- Corrosion resistant.



Cut Out Dimensions



Item Code	Item Name	Material	Finish	Weight	Box	Carton
210-180-600	AZ-DD310-HL	Stainless Steel (SUS304)	Satin	2000 g	1 pc	10 pcs

MULTI-PURPOSE LID (W/HANDLE)

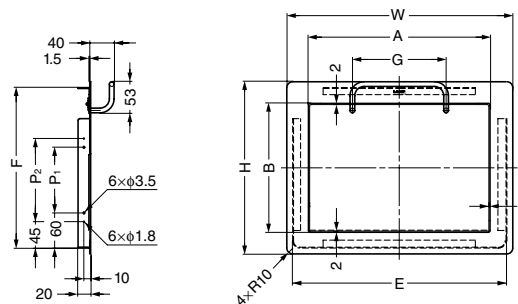
STAINLESS
304
STEEL

AZ-HD

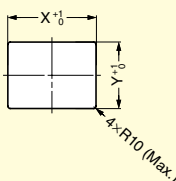


Features

- Easy opening with handle.
- Corrosion resistant.



Cut Out Dimensions



Item Code	Item Name	Material	Finish	A	B	W	H	E	F	G	P ₁	P ₂	X	Y	Weight	Box	Carton
210-180-601	AZ-HD230-HL	Stainless Steel (SUS304)	Satin	234	160	308	234	288	214	120	60	90	289	215	540 g	1 pc	10 pcs
210-180-602	AZ-HD310-HL	Stainless Steel (SUS304)	Satin	310	220	384	294	364	274	160	112	142	365	275	2200 g	5 pcs	10 pcs

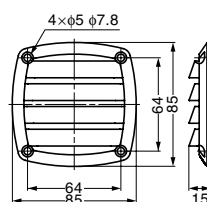
VENTILATOR

48079, 48176

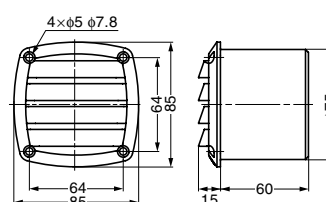


Features

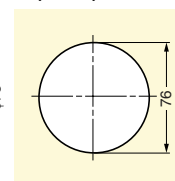
Standard type and flange type are available.



48079



48176

Cut Out Dimensions
(48176)

Item Code	Item Name	Type	Material	Colour	Max. Exhaust Area	Weight	Carton
210-028-872	480794	Standard	Polyamide (PA)	White	≈ 1276 mm ²	30 g	500 pcs
210-028-871	480792	Standard	Polyamide (PA)	Black	≈ 1276 mm ²	30 g	500 pcs
210-028-874	481764	Flange	Polyamide (PA)	White	≈ 1276 mm ²	85 g	100 pcs
210-028-873	481762	Flange	Polyamide (PA)	Black	≈ 1276 mm ²	85 g	100 pcs

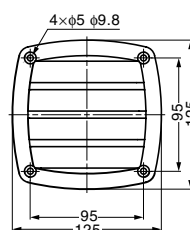
VENTILATOR

48081, 48282

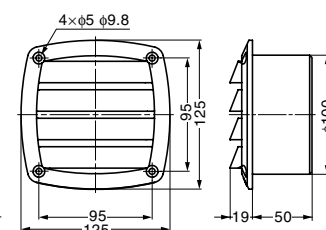


Features

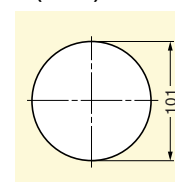
Standard type and flange type are available.



48081



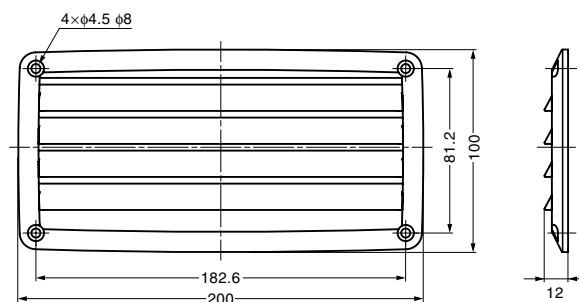
48282

Cut Out Dimensions
(48282)

Item Code	Item Name	Type	Material	Colour	Max. Exhaust Area	Weight	Carton
210-028-868	480814	Standard	Polyamide (PA)	White	≈ 2136 mm ²	68 g	200 pcs
210-028-867	480812	Standard	Polyamide (PA)	Black	≈ 2136 mm ²	68 g	200 pcs
210-028-870	482824	Flange	Polyamide (PA)	White	≈ 2136 mm ²	128 g	100 pcs
210-028-869	482822	Flange	Polyamide (PA)	Black	≈ 2136 mm ²	128 g	100 pcs

VENTILATOR

48080



Item Code	Item Name	Material	Colour	Max. Exhaust Area	Weight	Carton
210-028-876	480804	Polyamide (PA)	White	≈ 3700 mm ²	86 g	200 pcs
210-028-875	480802	Polyamide (PA)	Black	≈ 3700 mm ²	86 g	200 pcs

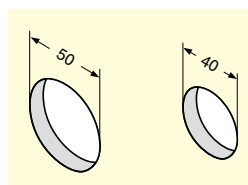
VENTILATOR

APM

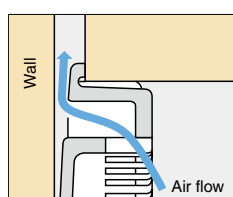
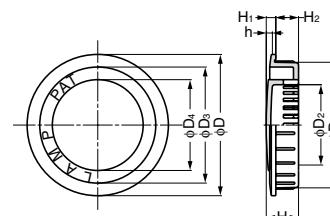


Features
Insect-proof.

Cut Out Dimensions



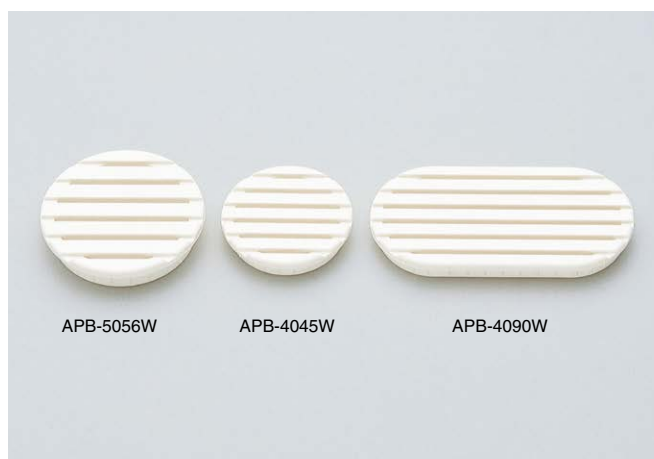
APM-5056 APM-4045



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	D ₃	D ₄	H	H ₁	H ₂	h	Cut Out Dimensions	Max. Exhaust Area	Weight	Box	Carton
210-030-022	APM-4045BR	Brown	ABS	45	39.8	24.6	36.2	28.2	10.3	3.3	7	1.6	φ40	≈ 115 mm ²	5 g	150 pcs	900 pcs
210-030-021	APM-4045W	White	ABS	45	39.8	24.6	36.2	28.2	10.3	3.3	7	1.6	φ40	≈ 115 mm ²	5 g	150 pcs	900 pcs
210-030-024	APM-5056BR	Brown	ABS	56	49.8	32	46	36	12.8	3.8	9	1.8	φ50	≈ 192 mm ²	9 g	100 pcs	600 pcs
210-030-023	APM-5056W	White	ABS	56	49.8	32	46	36	12.8	3.8	9	1.8	φ50	≈ 192 mm ²	9 g	100 pcs	600 pcs

VENTILATOR

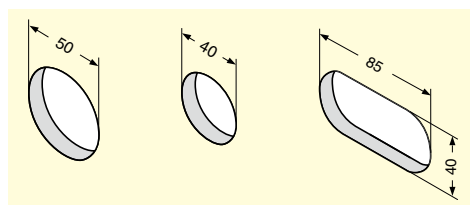
APB



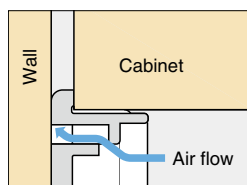
Features

- Insect-proof.
- Slits placed in uneven levels hide the air hole and prevents from seeing beyond.

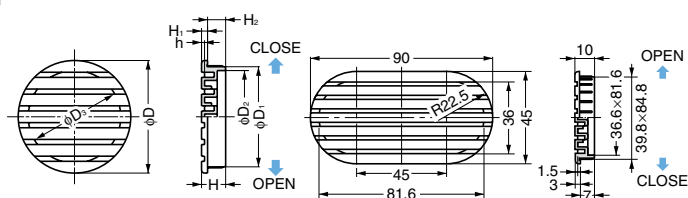
Cut Out Dimensions



APB-5056 APB-4045 APB-4090



Allows air flow even if the surface of the ventilator is directly on the wall.



APB-5056, APB-4045

APB-4090

Item Code	Item Name	Colour	Material	D	D ₁	D ₂	D ₃	H	H ₁	H ₂	h	Cut Out Dimensions	Max. Exhaust Area	Weight	Box	Carton
210-030-038	APB-4045W	White	ABS	45	39.8	36.6	36.6	10	3	7	1.5	φ40	≈ 152 mm ²	7 g	150 pcs	900 pcs
210-030-040	APB-5056W	White	ABS	56	49.8	46	46	12	3	9	1.5	φ50	≈ 211 mm ²	11 g	100 pcs	600 pcs
210-030-042	APB-4090W	White	ABS	—	—	—	—	—	—	—	—	40x85 (Hole)	≈ 332 mm ²	16 g	80 pcs	480 pcs

VENTILATOR

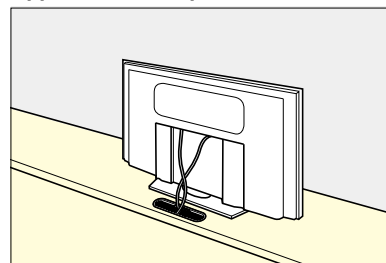
APD-KH



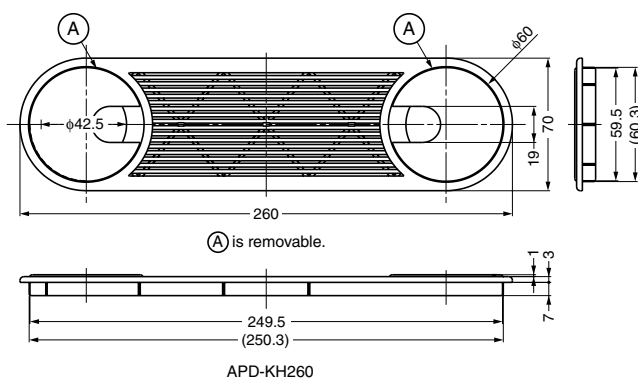
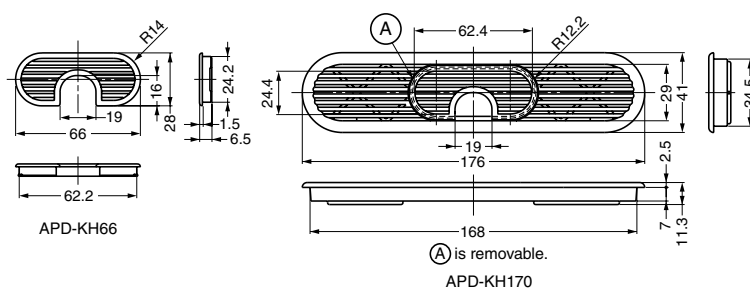
Features

Ventilator and cable grommet in one unit.

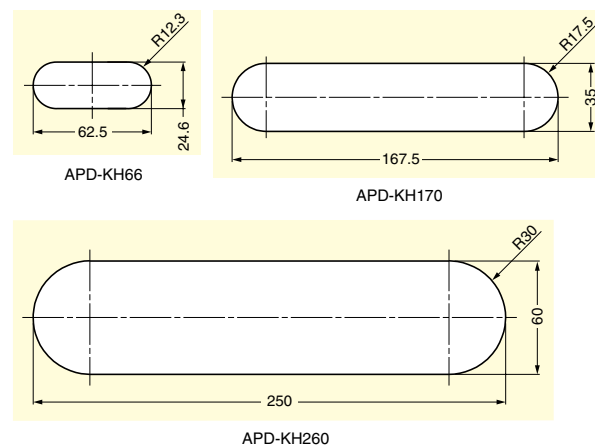
Application Example



Colour Variation



Cut Out Dimensions



Item Code	Item Name	Material	Finish/Colour	Max. Exhaust Area	Weight	Box	Carton
210-020-910	APD-KH66-CR	ABS	Chrome	≈ 610 mm ²	3.7 g	100 pcs	500 pcs
210-020-912	APD-KH66-IV		Ivory		3 g		
210-020-914	APD-KH66-BL		Black				
210-020-911	APD-KH66-BR		Brown				
210-020-913	APD-KH66-WT		White				
210-020-564	APD-KH170-CR		Chrome	≈ 1690 mm ²	24 g	40 pcs	320 pcs
210-020-566	APD-KH170-IV		Ivory		20 g		
210-020-568	APD-KH170-BL		Black				
210-020-565	APD-KH170-BR		Brown				
210-020-567	APD-KH170-WT		White				
210-020-570	APD-KH260-IV		Ivory	≈ 3150 mm ²	55 g	10 pcs	80 pcs
210-020-571	APD-KH260-BL		Black				
210-020-569	APD-KH260-BR		Brown				

VENTILATOR (W/CABLE GROMMET)

APK-KH



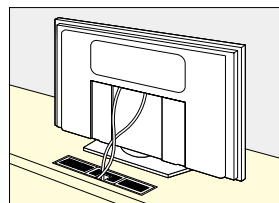
Features

- Combination of ventilator and cable grommet can be customized.
- Small holes (φ1.5 mm) prevents insects from entering.
- Removable ventilator and cable grommet allows easy cleaning.
- Sold in a set or separately (Frame, ventilator and cable grommet).

Remarks

Please use glue for installation.

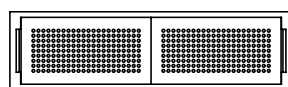
Application Example



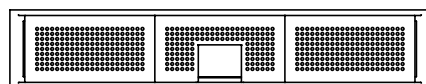
Colour Variation



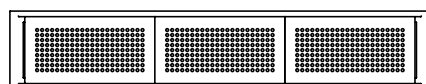
Set Overview



APK-KHA152P



APK-KHW226P



APK-KHA226P

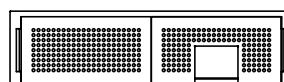
Combination Example

(by Ordering Individual Parts on next page)



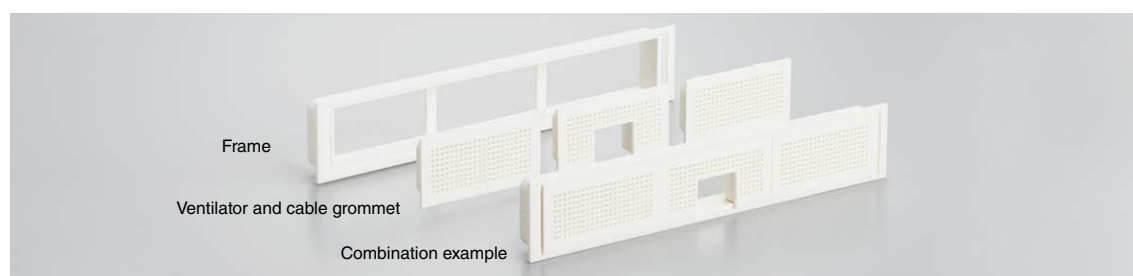
Frame, APK-KF226P: 1 pc

Ventilator, APK-K70P: 2 pcs



Frame, APK-KF152P: 1 pc

Ventilator, APK-K70P: 1 pc & Cable grommet, APK-KH70P: 1 pc

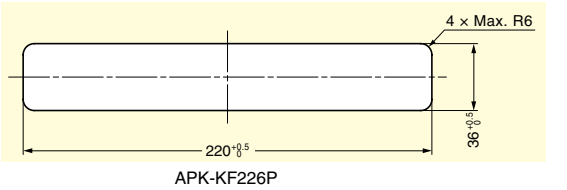
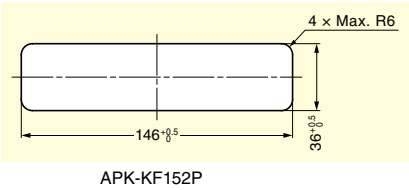
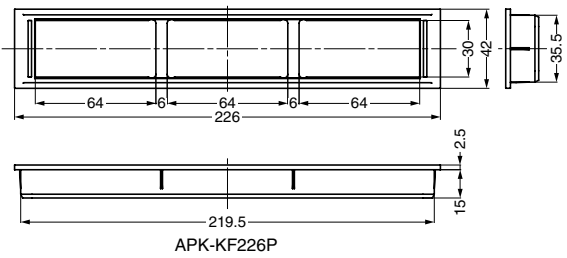
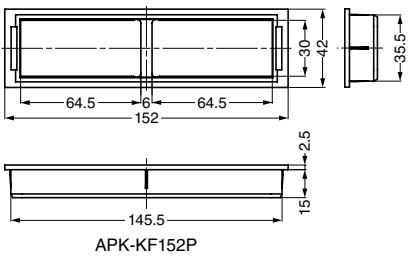


Frame+Ventilator/Cable Grommet Set

Item Code	Item Name	Colour	Material	Width	Combination	Exhaust Area	Weight	
210-033-477	APK-KHA152P-WT	White	ABS	152 mm	Frame × 1 pc, Cable Grommet × 2 pcs	≈ 700 mm ²	39 g	
210-033-478	APK-KHA152P-BL	Black						
210-033-479	APK-KHA152P-BR	Brown						
210-032-578	APK-KHW226P-WT	White		226 mm	Frame × 1 pc, Cable Grommet × 1 pc, Ventilator × 2 pcs	≈ 1343 mm ²	46 g	
210-032-579	APK-KHW226P-BL	Black						
210-032-580	APK-KHW226P-BR	Brown						
210-032-575	APK-KHA226P-WT	White			Frame × 1 pc, Ventilator × 3 pcs	≈ 1050 mm ²		
210-032-576	APK-KHA226P-BL	Black						
210-032-577	APK-KHA226P-BR	Brown						

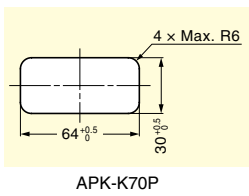
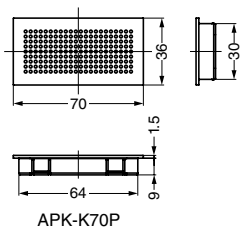
Individual Parts (Frame / Ventilator / Cable Grommet)

• Frame



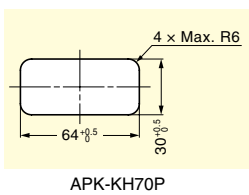
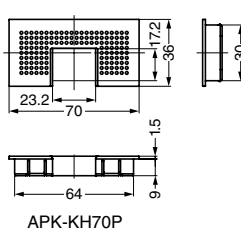
Item Code	Item Name	Colour	Material	Weight
210-032-807	APK-KF152P-WT	White	ABS	18 g
210-032-808	APK-KF152P-BL	Black		
210-032-809	APK-KF152P-BR	Brown		
210-032-548	APK-KF226P-WT	White		25 g
210-032-549	APK-KF226P-BL	Black		
210-032-550	APK-KF226P-BR	Brown		

• Ventilator



Item Code	Item Name	Colour	Material	Exhaust Area	Weight
210-032-538	APK-K70P-WT	White	ABS	≈ 350 mm²	7 g
210-032-539	APK-K70P-BL	Black			
210-032-540	APK-K70P-BR	Brown			

• Cable Grommet

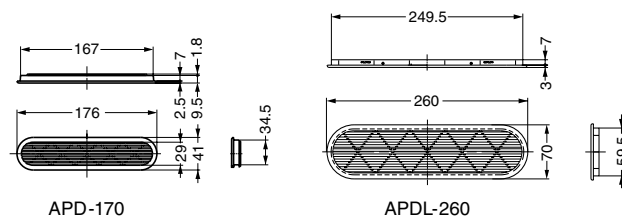


Item Code	Item Name	Colour	Material	Exhaust Area	Weight
210-032-541	APK-KH70P-WT	White	ABS	≈ 643 mm²	7 g
210-032-542	APK-KH70P-BL	Black			
210-032-543	APK-KH70P-BR	Brown			

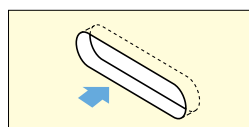
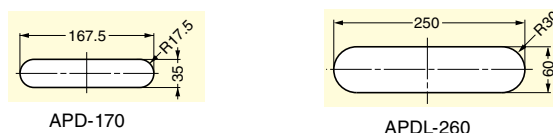
VENTILATOR



APD-170, APDL-260

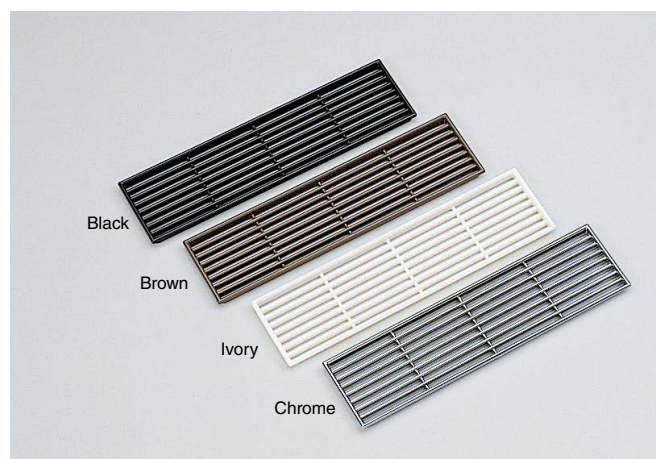


Cut Out Dimensions

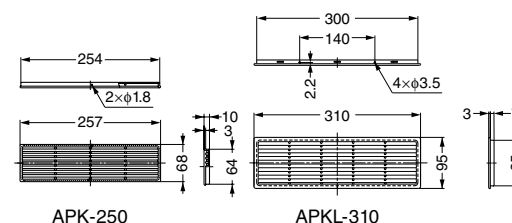


Item Code	Item Name	Material	Finish/Colour	Max. Exhaust Area	Weight	Box	Carton
210-030-034	APD-170CR	ABS	Chrome	≈ 1700 mm ²	22 g	40 pcs	320 pcs
210-030-035	APD-170I	ABS	Ivory	≈ 1700 mm ²	22 g	40 pcs	320 pcs
210-030-036	APD-170B	ABS	Black	≈ 1700 mm ²	22 g	40 pcs	320 pcs
210-030-037	APD-170BR	ABS	Brown	≈ 1700 mm ²	22 g	40 pcs	320 pcs
210-030-004	APDL-260I	ABS	Ivory	≈ 4650 mm ²	60 g	10 pcs	80 pcs
210-030-005	APDL-260B	ABS	Black	≈ 4650 mm ²	60 g	10 pcs	80 pcs
210-030-006	APDL-260BR	ABS	Brown	≈ 4650 mm ²	60 g	10 pcs	80 pcs

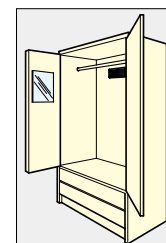
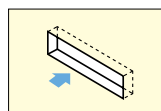
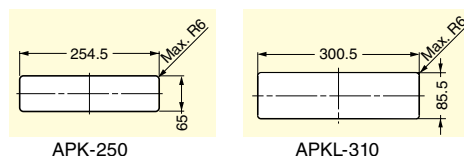
VENTILATOR



APK-250, APKL-310



Cut Out Dimensions



Item Code	Item Name	Material	Finish/Colour	Max. Exhaust Area	Weight	Box	Carton
210-030-026	APK-250CR	ABS	Chrome	≈ 6580 mm ²	57 g	20 pcs	160 pcs
210-030-027	APK-250I	ABS	Ivory	≈ 6580 mm ²	57 g	20 pcs	160 pcs
210-030-028	APK-250B	ABS	Black	≈ 6580 mm ²	57 g	20 pcs	160 pcs
210-030-029	APK-250BR	ABS	Brown	≈ 6580 mm ²	57 g	20 pcs	160 pcs
210-030-007	APKL-310I	ABS	Ivory	≈ 9800 mm ²	100 g	10 pcs	80 pcs
210-030-008	APKL-310B	ABS	Black	≈ 9800 mm ²	100 g	10 pcs	80 pcs
210-030-009	APKL-310BR	ABS	Brown	≈ 9800 mm ²	100 g	10 pcs	80 pcs

VENTILATOR

APK-T250

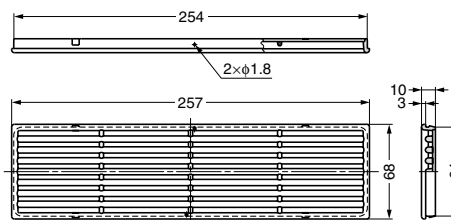


Features

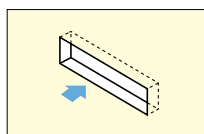
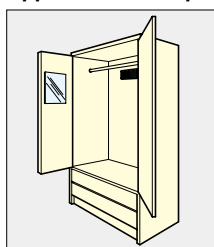
Click-on installation.

Remarks

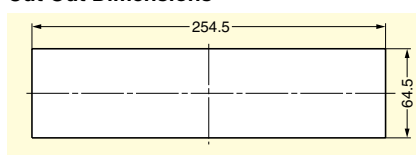
Board thickness : Max 2.5 mm



Application Example



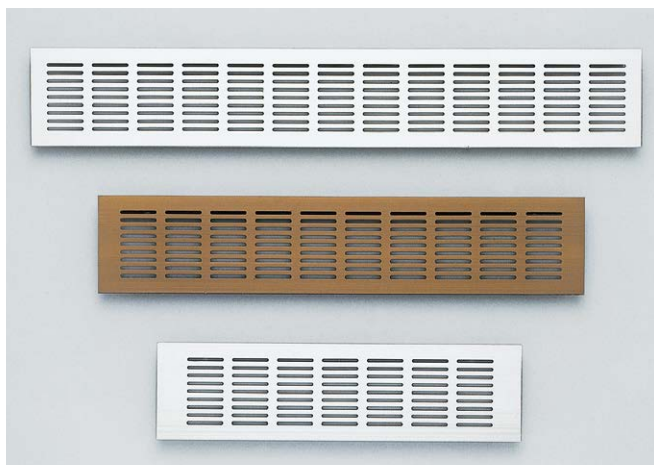
Cut Out Dimensions



Item Code	Item Name	Material	Colour	Max. Exhaust Area	Weight	Box	Carton
210-039-435	APK-T250I	ABS	Ivory	≈ 5600 mm ²	57 g	20 pcs	160 pcs
210-039-434	APK-T250B	ABS	Black	≈ 5600 mm ²	57 g	20 pcs	160 pcs

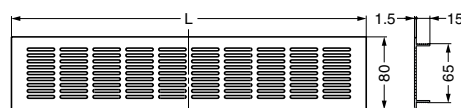
VENTILATOR

G61

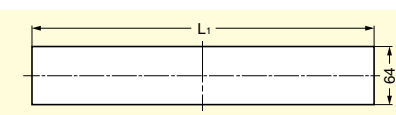


Features

Click-on installation.



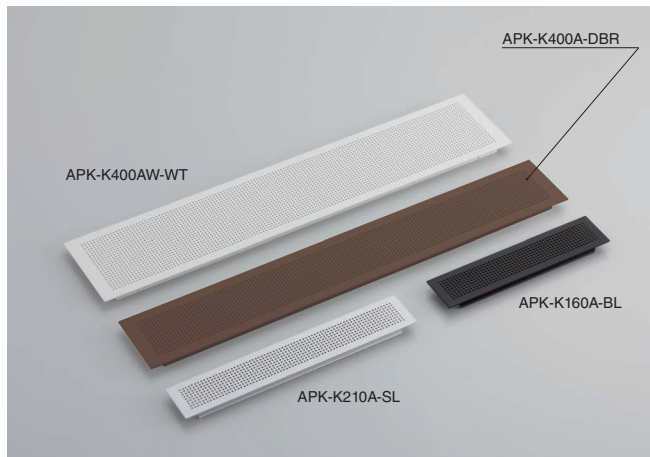
Cut Out Dimensions



Item Code	Item Name	Finish	L	L ₁	Material	Max. Exhaust Area	Weight	Box
210-031-710	G61-3008AS	Silver	300	262	Aluminium Alloy	≈ 6700 mm ²	98 g	10 pcs
210-031-711	G61-3008AU	Bronze	300	262	Aluminium Alloy	≈ 6700 mm ²	98 g	10 pcs
210-031-712	G61-4008AS	Silver	400	362	Aluminium Alloy	≈ 9500 mm ²	130 g	10 pcs
210-031-713	G61-4008AU	Bronze	400	362	Aluminium Alloy	≈ 9500 mm ²	130 g	10 pcs
210-031-714	G61-5008AS	Silver	500	462	Aluminium Alloy	≈ 12400 mm ²	161 g	10 pcs
210-030-700	G61-5008AU	Bronze	500	462	Aluminium Alloy	≈ 12400 mm ²	161 g	10 pcs

VENTILATOR

APK-K



Features

- Smart and simple design.
- Small holes (φ1.5 mm) prevents insects from entering.
- Removable ventilator and cable grommet allows easy cleaning.

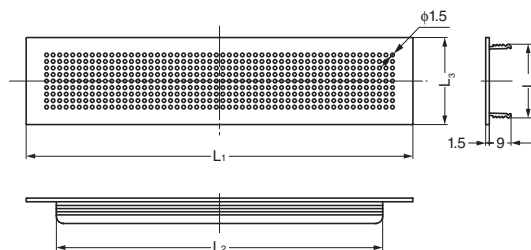
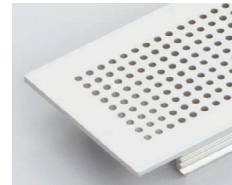
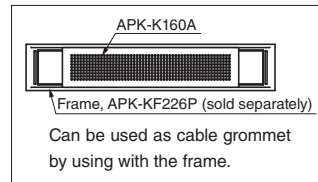
Remarks

Please use glue for installation.

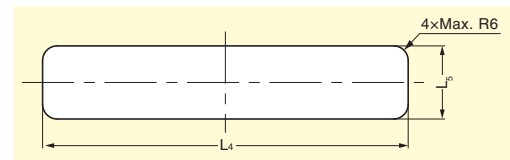
Sold Separately

Frame APK-KF226P (P.804)

Application Example



Cut Out Dimensions



Item Code	Item Name	Colour	Material	Exhaust Area	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	Weight	Box	Carton		
210-032-544	APK-K160A-BL	Black	Aluminium Alloy	≈ 859 mm ²	160	135	36	150	30.5	30.5	27 g	30 pcs	180 pcs		
210-032-545	APK-K160A-SL	Silver										30 pcs	180 pcs		
210-032-546	APK-K210A-BL	Black		≈ 1145 mm ²	212	187	60	200	50 ^{+0.5}	50	37 g	30 pcs	180 pcs		
210-032-547	APK-K210A-SL	Silver										30 pcs	180 pcs		
210-034-399	APK-K400A-SL	Silver					400	375	390	70 ^{+0.5}	70	20 pcs	80 pcs		
210-034-400	APK-K400A-BL	Black		≈ 3958 mm ²										20 pcs	80 pcs
210-034-401	APK-K400A-DBR	Dark Brown											20 pcs	80 pcs	
210-034-402	APK-K400A-WT	White											20 pcs	80 pcs	
210-034-403	APK-K400AW-SL	Silver											20 pcs	80 pcs	
210-034-404	APK-K400AW-BL	Black		≈ 5938 mm ²									20 pcs	80 pcs	
210-034-405	APK-K400AW-DBR	Dark Brown											20 pcs	80 pcs	
210-034-406	APK-K400AW-WT	White											20 pcs	80 pcs	

INTRODUCTION OF RECESSED PULL WITH VENTILATOR

UTA-105



Features

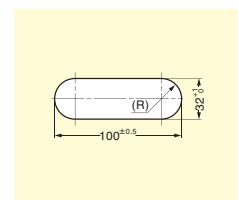
- With ventilator function.
- Excellent chemical resistance.

Parts Included

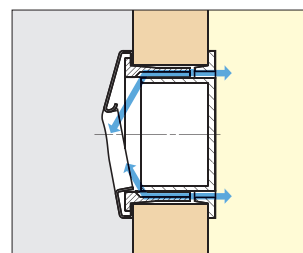
Countersunk head tapping screw 4x20 (SUS)

For more details, please see P.53.

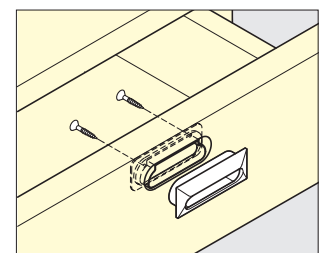
Cut Out Dimensions



Air Flow



Installation



STAINLESS STEEL ADJUSTABLE VENTILATOR

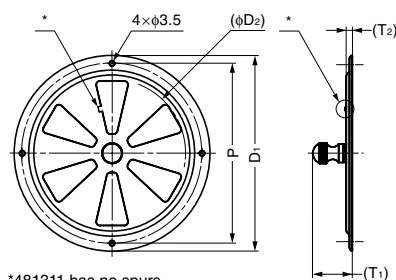
STAINLESS
304
STEEL

4813

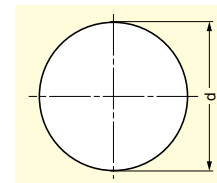


Features

- Air flow is adjustable by turning the knob.
- The knob is tight for anti-vibration.



Cut Out Dimensions



Item Code	Item Name	Material	Finish	D ₁	D ₂	P	T ₁	T ₂	d	Max. Exhaust Area	Weight	Carton
210-028-882	481311	Stainless Steel (SUS304)	Satin	102	77	92	24.4	2.7	77 - 80	≈ 1835 mm ²	61 g	300 pcs
210-028-881	481312	Stainless Steel (SUS304)	Satin	127	95	117	25.6	3.9	95 - 100	≈ 2860 mm ²	86 g	200 pcs

STAINLESS STEEL VENTILATOR

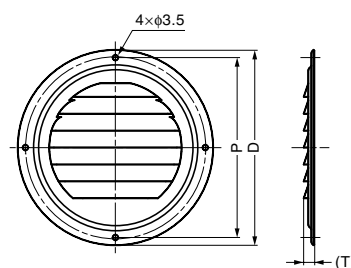
STAINLESS
304
STEEL

4814

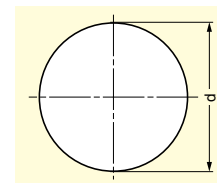


Optional Parts

Stainless steel ventilator cover 4818 (below).



Cut Out Dimensions



Item Code	Item Name	Material	Finish	D	P	T	d	Max. Exhaust Area	Weight	Carton
210-028-880	481440	Stainless Steel (SUS304)	Satin	102	92	5	77 - 80	≈ 750 mm ²	38 g	500 pcs
210-028-879	481430	Stainless Steel (SUS304)	Satin	127	117	7	95 - 100	≈ 1250 mm ²	59 g	300 pcs

STAINLESS STEEL VENTILATOR COVER

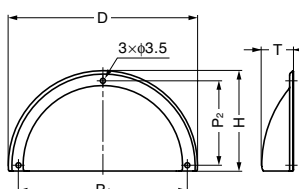
STAINLESS
304
STEEL

4818

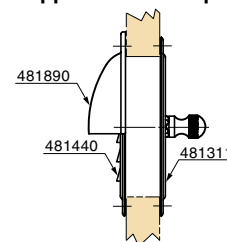


Features

For 4814 ventilator (above), prevents influx of rainwater.



Application Example



Item Code	Item Name	Use With	Material	Finish	D	H	P ₁	P ₂	T	Weight	Carton
210-028-884	481890	481440 (Above)	Stainless Steel (SUS304)	Satin	107	57	92	46	20	40 g	300 pcs
210-028-883	481850	481430 (Above)	Stainless Steel (SUS304)	Satin	131	69	117	58.5	22	60 g	300 pcs

STAINLESS STEEL VENTILATOR

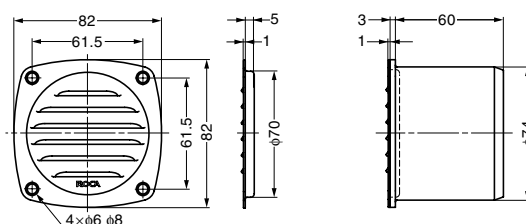
STAINLESS
316
STEEL

480970



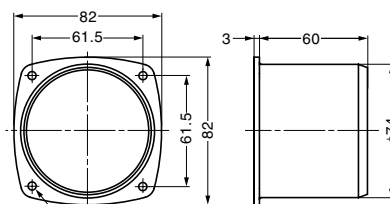
Features

- Made of SUS316 for excellent corrosion resistance.
- Can be used with adaptor (optional parts).



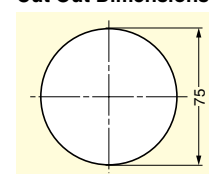
Ventilator

With adaptor



Adaptor

Cut Out Dimensions



Ventilator Body

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Carton
210-028-877	480970	Stainless Steel (SUS316)	Satin	≈ 1600 mm ²	51 g	300 pcs

Adaptor (Optional Parts)

Item Code	Item Name	Material	Colour	Weight	Carton
210-028-878	480966	Polyamide (PA)	White	51 g	100 pcs

VENTILATOR

STEEL

4872



When ventilating



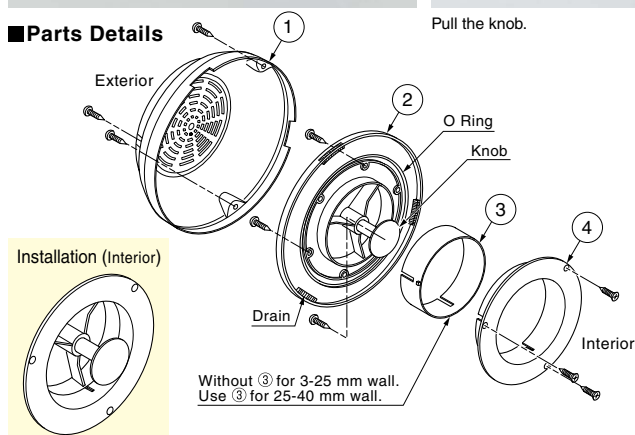
Push the knob.

When un-ventilating



Pull the knob.

Parts Details

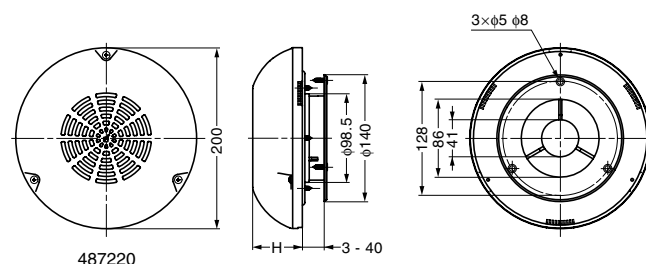


Features

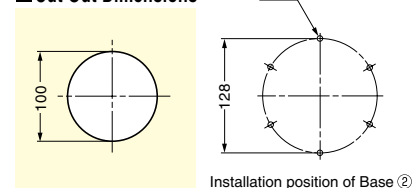
- Can be used for the exterior due to the water protector.
- Can be used both for wooden wall and sheet metal wall. Please arrange the bolts and nuts when using with sheet metal.

Parts Included

- Pan head tapping screw 4×12 (3 pcs) / for Cover ① on Base ②
- Pan head tapping screw 4×18 (3 pcs) / for Cover ② on the wall
- Raised countersunk head tapping screw 4×16 (3 pcs) / for Fringe ④ on the wall



Cut Out Dimensions



Installation position of Base ②

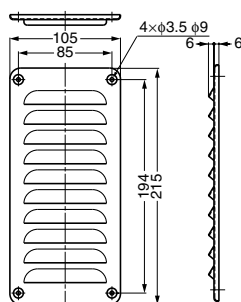
Item Code	Item Name	Material	Colour	H	Wall Thickness	Max. Exhaust Area	Weight	Box	Carton
210-028-886	487220	Stainless Steel (SUS304)	Satin	55	3 - 40	≈ 3055 mm ²	490 g	1 pc	40 pcs
210-028-885	487200	Polypropylene (PP)	Off-white	62	3 - 40	≈ 5032 mm ²	420 g	1 pc	40 pcs

No.	Part Name	Material	Colour
①	Cover	See the left table	See the left table
②	Base	Polypropylene (PP)	Off-white
③	Adaptor	Polypropylene (PP)	Off-white
④	Flange	Polypropylene (PP)	Off-white

STAINLESS STEEL VENTILATOR

STAINLESS
316
STEEL

1-1122



Features

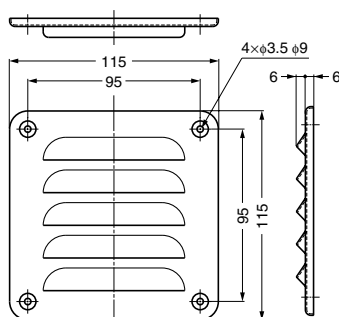
Ideal for marine application.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-011	1-1122	Stainless Steel (SUS316)	Satin	≈ 3700 mm ²	152 g	20 pcs

STAINLESS STEEL VENTILATOR

STAINLESS
316
STEEL

1-1212



Features

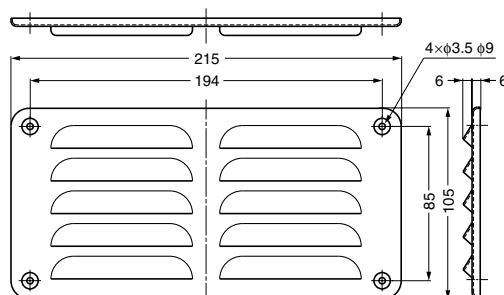
Ideal for marine application.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-012	1-1212	Stainless Steel (SUS316)	Satin	≈ 1900 mm ²	90 g	20 pcs

STAINLESS STEEL VENTILATOR

STAINLESS
316
STEEL

1-2211



Features

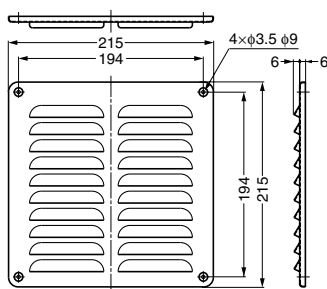
Ideal for marine application.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-013	1-2211	Stainless Steel (SUS316)	Satin	≈ 3700 mm ²	157 g	10 pcs

STAINLESS STEEL VENTILATOR

STAINLESS
316
STEEL

1-2222



Features

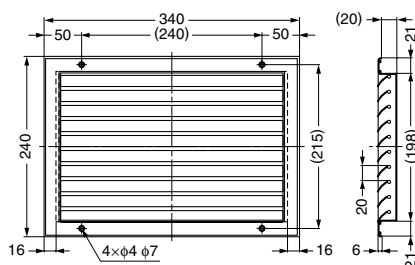
Ideal for marine application.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-014	1-2222	Stainless Steel (SUS316)	Satin	≈ 7500 mm ²	315 g	10 pcs

VENTILATOR



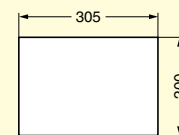
G58-3020



Parts Included

- Countersunk head tapping screw 3.5×32
- Plug

Cut Out Dimensions

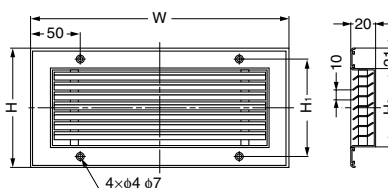


Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-031-730	G58-3020	Aluminium Alloy	Silver	≈ 550 cm ²	674 g	7 pcs

VENTILATOR



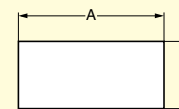
G57-AA



Parts Included

- Countersunk head tapping screw 3.5×32
- Plug

Cut Out Dimensions

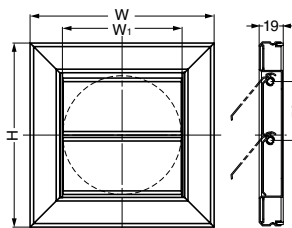
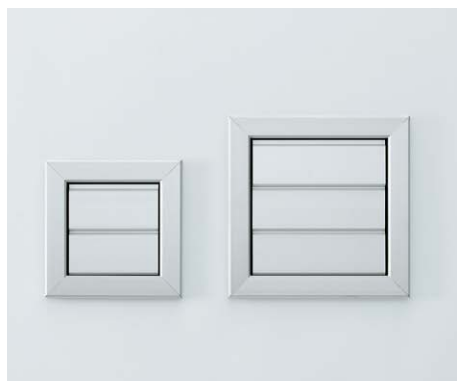


Item Code	Item Name	Material	Finish	W	H	H ₁	H ₂	A	B	Max. Exhaust Area	Weight	Box
210-031-731	G57-1707AA	Aluminium Alloy	Silver	210	106	85	68	173	73	≈ 83 cm ²	208 g	6 pcs
210-031-732	G57-2208AA	Aluminium Alloy	Silver	260	116	95	78	223	83	≈ 120 cm ²	306 g	4 pcs

VENTILATOR



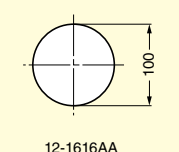
12-AA



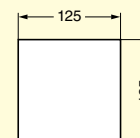
Parts Included

- Countersunk head tapping screw 3.5×32
- Plug

Cut Out Dimensions



12-1616AA

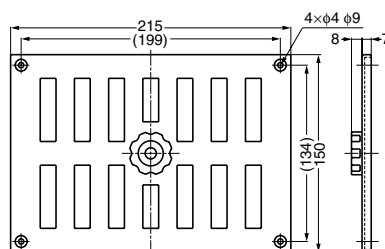
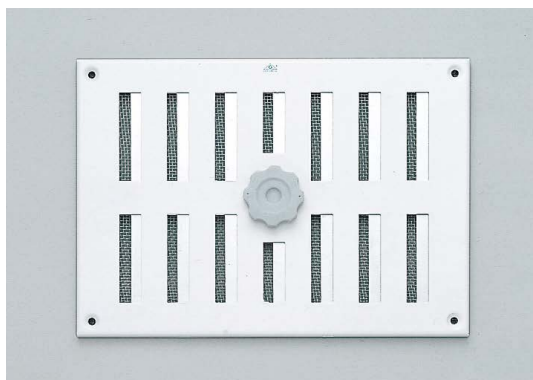


12-2121AA

Item Code	Item Name	Material	Finish	W	W ₁	H	Max. Exhaust Area	Weight	Box
210-031-733	12-1616AA	Aluminium Alloy	Silver	155	100	155	≈ 80 cm ²	298 g	6 pcs
210-031-734	12-2121AA	Aluminium Alloy	Silver	205	125	205	≈ 156 cm ²	433 g	6 pcs

ADJUSTABLE VENTILATOR

3-2115



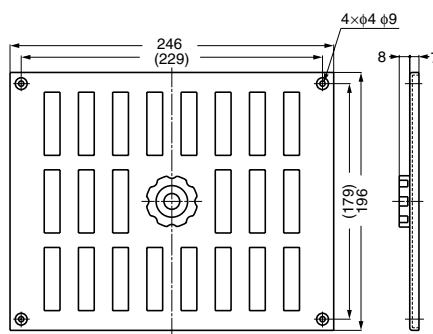
Features

- Air flow is adjustable with the dial.
- Insect-proof.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-026	3-2115	Aluminium Alloy	Paint/White	≈ 7300 mm ²	160 g	10 pcs

ADJUSTABLE VENTILATOR

3-2520



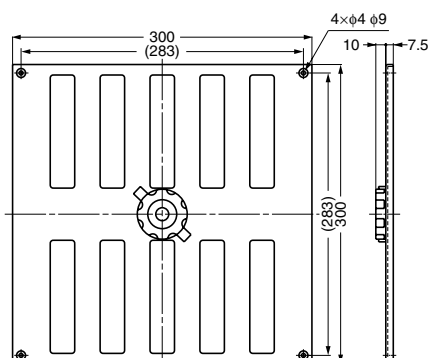
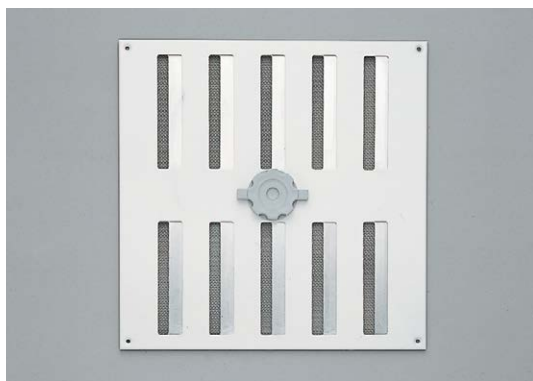
Features

- Air flow is adjustable with the dial.
- Insect-proof.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-027	3-2520	Aluminium Alloy	Paint/White	≈ 12000 mm ²	235 g	10 pcs

ADJUSTABLE VENTILATOR

3-3030



Features

- Air flow is adjustable with the dial.
- Insect-proof.

Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-018	3-3030	Aluminium Alloy	Paint/White	≈ 25200 mm ²	400 g	5 pcs

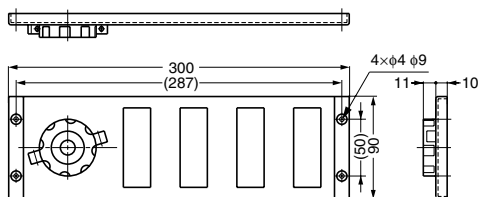
ADJUSTABLE VENTILATOR

3-3009



Features

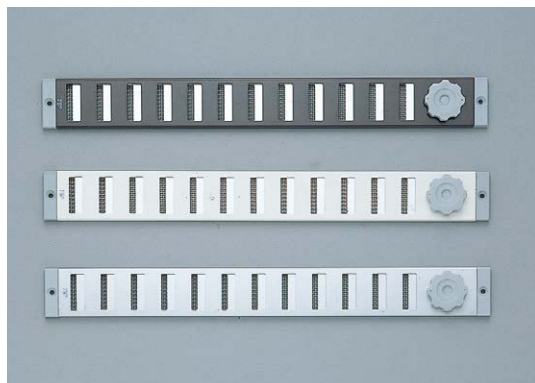
- Air flow is adjustable with the dial.
- Insect-proof.



Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-015	3-3009WT	Aluminium Alloy	Paint/White	≈ 6400 mm ²	180 g	10 pcs
210-172-016	3-3009BR	Aluminium Alloy	Paint/Brown	≈ 6400 mm ²	180 g	10 pcs
210-172-017	3-3009AS	Aluminium Alloy	Silver	≈ 6400 mm ²	180 g	10 pcs

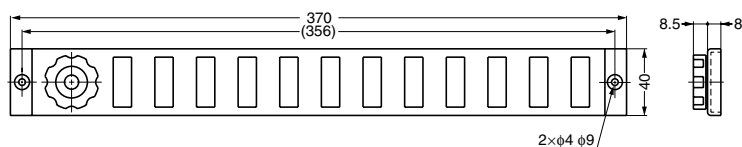
ADJUSTABLE VENTILATOR

3-3704



Features

- Air flow is adjustable with the dial.
- Insect-proof.



Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-019	3-3704WT	Aluminium Alloy	Paint/White	≈ 3900 mm ²	100 g	20 pcs
210-172-020	3-3704BR	Aluminium Alloy	Paint/Brown	≈ 3900 mm ²	100 g	20 pcs
210-172-021	3-3704AS	Aluminium Alloy	Silver	≈ 3900 mm ²	100 g	20 pcs

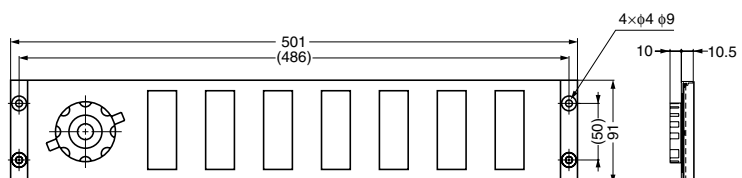
ADJUSTABLE VENTILATOR

3-5009



Features

- Air flow is adjustable with the dial.
- Insect-proof.

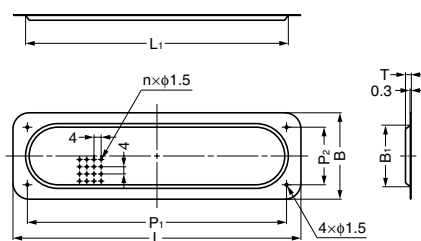
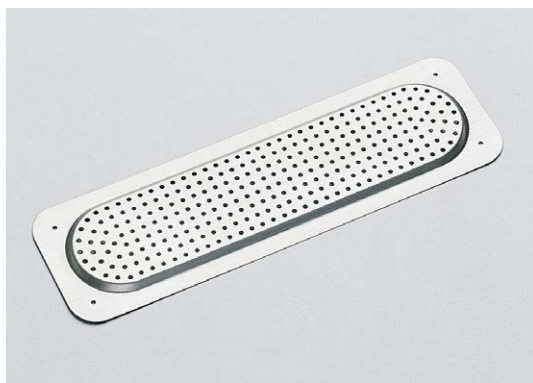


Item Code	Item Name	Material	Finish	Max. Exhaust Area	Weight	Box
210-172-022	3-5009WT	Aluminium Alloy	Paint/White	≈ 11200 mm ²	280 g	10 pcs
210-172-023	3-5009BR	Aluminium Alloy	Paint/Brown	≈ 11200 mm ²	280 g	10 pcs
210-172-024	3-5009AS	Aluminium Alloy	Silver	≈ 11200 mm ²	280 g	10 pcs

VENTILATOR

STAINLESS
304
STEEL

AST



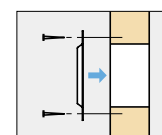
Features

Insect-proof.

Parts Included

Round head nail 1.2x10 (SUS)

Installation

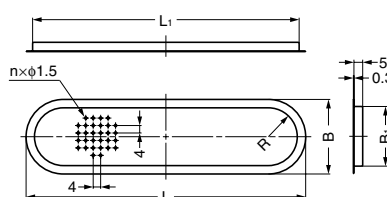


Item Code	Item Name	Material	Finish	L	L ₁	B	B ₁	P ₁	P ₂	T	n	Max. Exhaust Area	Weight	Box	Carton
210-030-052	AST-160	Stainless Steel (SUS304)	Satin	160	146	48	36	144	32	3	268	≈ 470 mm ²	18 g	50 pcs	1000 pcs
210-030-053	AST-210	Stainless Steel (SUS304)	Satin	210	196	58	46	194	42	4	450	≈ 790 mm ²	28 g	50 pcs	1200 pcs

VENTILATOR

STAINLESS
304
STEEL

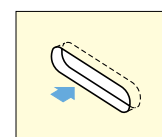
ASD



Features

Insect-proof.

Installation

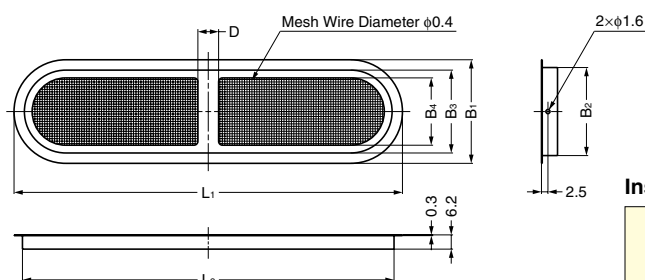


Item Code	Item Name	Material	Finish	L	L ₁	B	B ₁	R	n	Max. Exhaust Area	Weight	Box	Carton
210-030-018	ASD-150	Stainless Steel (SUS304)	Satin	150	143	40	33	16	268	≈ 470 mm ²	16 g	80 pcs	1920 pcs
210-030-019	ASD-200	Stainless Steel (SUS304)	Satin	200	193	50	42.8	21	450	≈ 790 mm ²	25 g	40 pcs	960 pcs

VENTILATOR

STAINLESS
304
STEEL

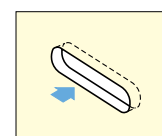
SAD



Parts Included

Round head nail 1.2x10 (SUS)

Installation

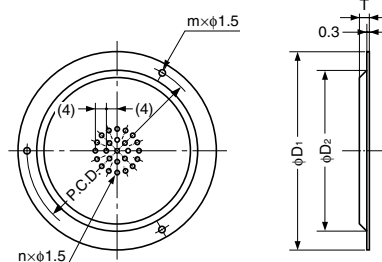


Item Code	Item Name	Material	Finish	L ₁	L ₂	B ₁	B ₂	B ₃	B ₄	D	Max. Exhaust Area	Weight	Box	Carton
210-030-169	SA-D150	Stainless Steel (SUS304)	Satin	150	143.5	40	34	32	26	8	≈ 1880 mm ²	21 g	30 pcs	600 pcs
210-030-170	SA-D200	Stainless Steel (SUS304)	Satin	200.5	194	50	44	42	35	10	≈ 3800 mm ²	33 g	30 pcs	300 pcs

VENTILATOR

STAINLESS
304
STEEL

AST



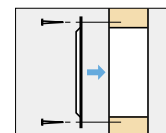
Features

Insect-proof.

Parts Included

Round head nail 1.2x10 (SUS)

Installation

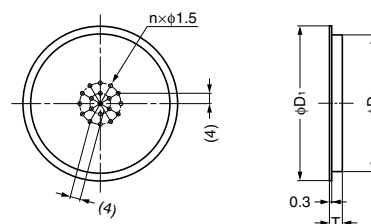


Item Code	Item Name	Material	Finish	D ₁	D ₂	T	P.C.D.	m	n	Max. Exhaust Area	Weight	Box	Carton
210-030-044	AST- 45	Stainless Steel (SUS304)	Satin	45	34	3	φ40	3	37	≈ 65 mm ²	5 g	100 pcs	3600 pcs
210-030-045	AST- 55	Stainless Steel (SUS304)	Satin	55	44	3	φ50	3	59	≈ 104 mm ²	6.3 g	100 pcs	3600 pcs
210-030-046	AST- 70	Stainless Steel (SUS304)	Satin	70	55	3	φ64	3	127	≈ 224 mm ²	10 g	100 pcs	2400 pcs
210-030-047	AST-100	Stainless Steel (SUS304)	Satin	100	81	4	φ91	4	271	≈ 478 mm ²	20 g	50 pcs	500 pcs

VENTILATOR

STAINLESS
304
STEEL

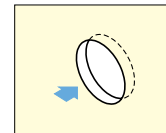
ASM



Features

Insect-proof.

Installation

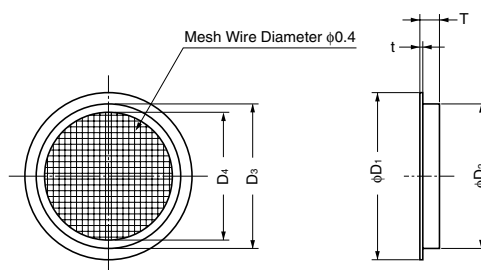


Item Code	Item Name	Material	Finish	D ₁	D ₂	T	n	Max. Exhaust Area	Weight	Box	Carton
210-030-010	ASM-37	Stainless Steel (SUS304)	Satin	36	31	4.5	37	≈ 65 mm ²	3 g	100 pcs	3600 pcs
210-030-011	ASM-45	Stainless Steel (SUS304)	Satin	46	41	4.5	59	≈ 104 mm ²	5 g	100 pcs	3600 pcs
210-030-012	ASM-60	Stainless Steel (SUS304)	Satin	60	53	5	127	≈ 224 mm ²	8 g	100 pcs	2400 pcs
210-030-013	ASM-85	Stainless Steel (SUS304)	Satin	85	77	5	271	≈ 478 mm ²	15 g	50 pcs	1000 pcs

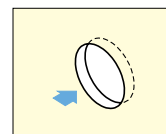
VENTILATOR

STAINLESS
304
STEEL

SAM



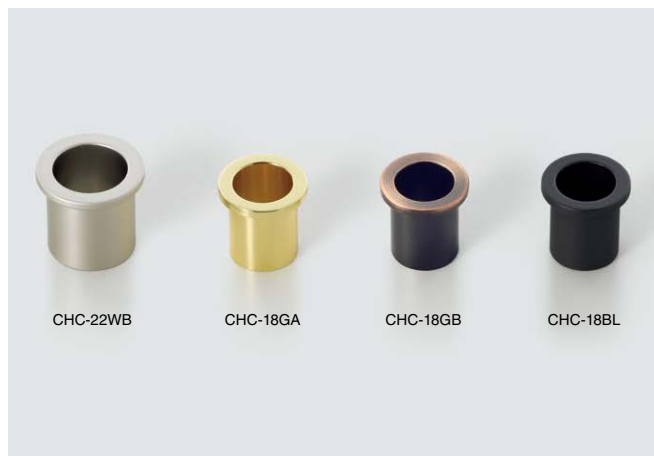
Installation



Item Code	Item Name	Material	Finish	D ₁	D ₂	D ₃	D ₄	T	t	Max. Exhaust Area	Weight	Box	Carton
210-030-164	SA-M 37	Stainless Steel (SUS304)	Satin	36	31.5	30	25	5.2	0.3	≈ 290 mm ²	5 g	70 pcs	1400 pcs
210-030-165	SA-M 45	Stainless Steel (SUS304)	Satin	46	41.5	40	35	5.2	0.3	≈ 570 mm ²	6 g	60 pcs	1200 pcs
210-030-166	SA-M 60	Stainless Steel (SUS304)	Satin	60	53.5	52	46	6.5	0.3	≈ 1000 mm ²	10 g	50 pcs	1000 pcs
210-030-167	SA-M 85	Stainless Steel (SUS304)	Satin	85	77.8	76.5	68	7	0.3	≈ 2150 mm ²	18 g	30 pcs	600 pcs
210-030-168	SA-M120	Stainless Steel (SUS304)	Satin	120	110.5	108	99	7.2	0.5	≈ 4480 mm ²	47 g	20 pcs	200 pcs

CABLE GROMMET

CHC



CHC-22WB

CHC-18GA

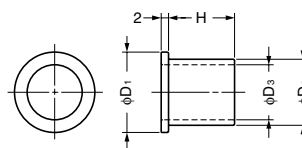
CHC-18GB

CHC-18BL

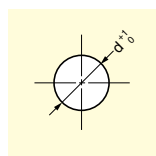
Black colour also available.

Features

- Two sizes of diameter available.
- Suitable for phone, fax or LAN cable grommet.



Cut Out Dimensions



Item Code	Item Name	Material	Finish/Colour	H	D ₁	D ₂	D ₃	d	Weight	Box
210-023-209	CHC-18WB	Brass	Satin Nickel	16	18	14	12	14.5	8 g	120 pcs
210-017-186	CHC-18GA	Brass	Gold	16	18	14	12	14.5	8 g	120 pcs
210-017-187	CHC-18GB	Brass	Antique Brass	16	18	14	12	14.5	8 g	120 pcs
210-029-804	CHC-18BL	Brass	Black	16	18	14	12	14.5	8 g	120 pcs
210-023-210	CHC-22WB	Brass	Satin Nickel	18	22	18	15	18.5	15 g	60 pcs
210-017-189	CHC-22GA	Brass	Gold	18	22	18	15	18.5	15 g	60 pcs
210-017-190	CHC-22GB	Brass	Antique Brass	18	22	18	15	18.5	15 g	60 pcs
210-029-805	CHC-22BL	Brass	Black	18	22	18	15	18.5	15 g	60 pcs

CABLE GROMMET

CHC-S18



CHC-S18DN

CHC-S18GC

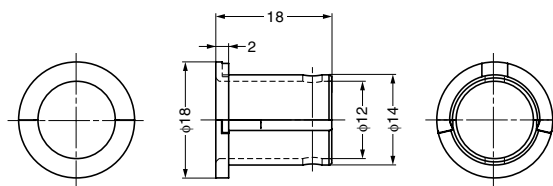
CHC-S18DB

CHC-S18BL

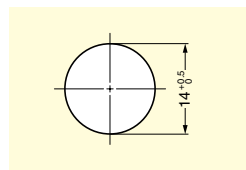
Black colour also available.

Features

Can be split into two parts for easy exchange of LAN cables.



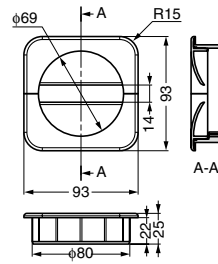
Cut Out Dimensions



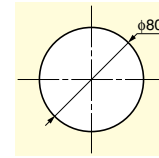
Item Code	Item Name	Material	Finish/Colour	Weight	Box
210-028-378	CHC-S18DN	Zinc Alloy (ZDC)	Nickel	6 g	100 pcs
210-028-379	CHC-S18GC	Zinc Alloy (ZDC)	Gold	6 g	100 pcs
210-028-380	CHC-S18DB	Zinc Alloy (ZDC)	Antique Brass	6 g	100 pcs
210-029-799	CHC-S18BL	Zinc Alloy (ZDC)	Black	6 g	100 pcs

CABLE GROMMET

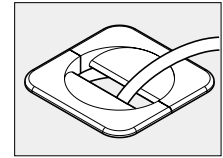
S93-14SL



Cut Out Dimensions



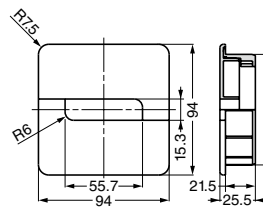
Application Example



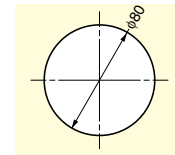
Item Code	Item Name	Material	Colour	Weight	Box
210-030-316	S93-14SL	ABS	Silver	40 g	132 pcs

CABLE GROMMET

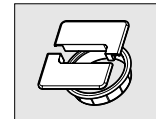
S80



Cut Out Dimensions



Application Example



Item Code	Item Name	Finish	Material	Weight	Carton
210-180-925	S80CG	Clear Chrome	ABS	51 g	99 pcs
210-180-926	S80C	Satin Chrome	ABS	51 g	99 pcs

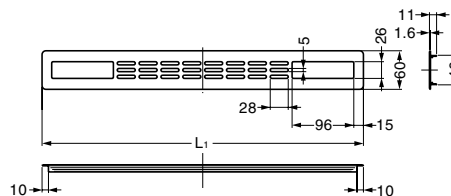
CABLE GROMMET

HTK

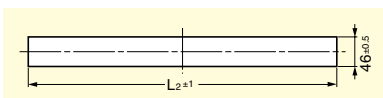


Features

Can be used as ventilator and cable grommet for electronic appliance racks.



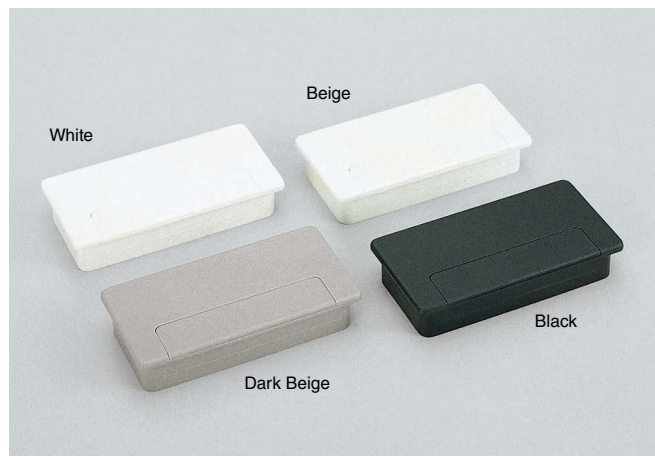
Cut Out Dimensions



Item Code	Item Name	Material	Finish	L ₁	L ₂	Weight	Box	Carton
210-017-543	HTK-400	Alloy	Silver	400	380	110 g	10 pcs	100 pcs
210-017-542	HTK-500	Alloy	Silver	500	480	133 g	10 pcs	100 pcs

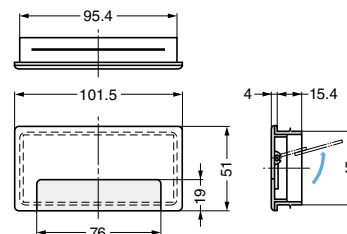
CABLE GROMMET

S100-50

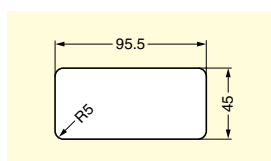


Features

All the front parts are removable for wide opening.



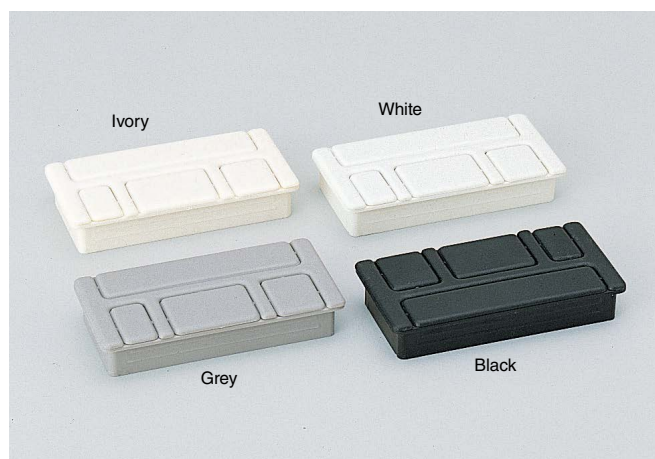
Cut Out Dimensions



Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-031-800	S100-50W	White	ABS	24 g	15 pcs	150 pcs
210-031-801	S100-50BE	Beige	ABS	24 g	15 pcs	150 pcs
210-031-840	S100-50DBE	Dark Beige	ABS	24 g	15 pcs	150 pcs
210-031-841	S100-50BL	Black	ABS	24 g	15 pcs	150 pcs

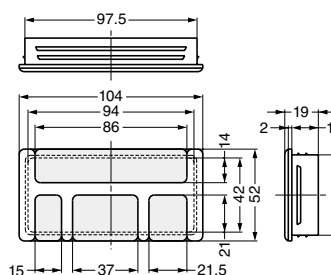
CABLE GROMMET

S1015-51

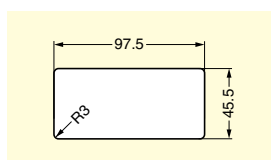


Features

- Please fold and remove  part according to the size of cables and location.
- All the front parts are removable for wide opening.



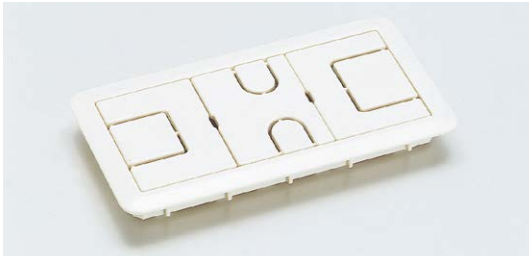
Cut Out Dimensions



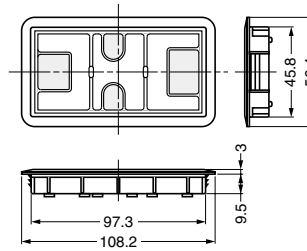
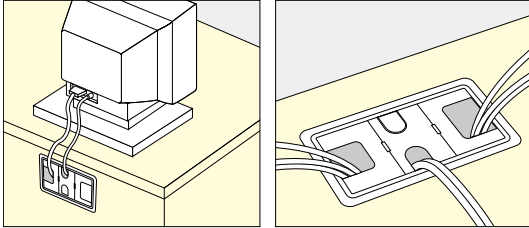
Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-031-822	S1015-51CM	Ivory	ABS	22 g	15 pcs	150 pcs
210-031-823	S1015-51W	White	ABS	22 g	15 pcs	150 pcs
210-031-821	S1015-51G	Grey	ABS	22 g	15 pcs	150 pcs
210-031-820	S1015-51B	Black	ABS	22 g	15 pcs	150 pcs

CABLE GROMMET

ART973



Application Example



Features

- Please fold and remove  part according to the size of cables and location.
- All the front parts are removable for wide opening.

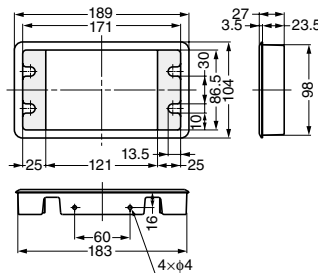
Cut Out Dimensions

- For wood: 97.5 × 45.8 mm
- For metal sheet: 97.8 × 46.5 (Thickness: 0.8 - 1.0) mm

Item Code	Item Name	Material	Colour	Weight	Carton
210-035-132	ART973	ABS	White	17 g	140 pcs

CABLE GROMMET

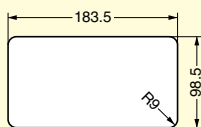
V2000



Features

- All the front parts are removable for wide opening.

Cut Out Dimensions



Item Code	Item Name	Colour	Material	Weight	Carton
210-031-861	V2000W	White	Polystyrene (HIPS)	104 g	33 pcs
210-031-863	V2000BE	Beige	Polystyrene (HIPS)	104 g	33 pcs
210-031-862	V2000DBE	Dark Beige	Polystyrene (HIPS)	104 g	33 pcs
210-031-860	V2000B	Black	Polystyrene (HIPS)	104 g	33 pcs

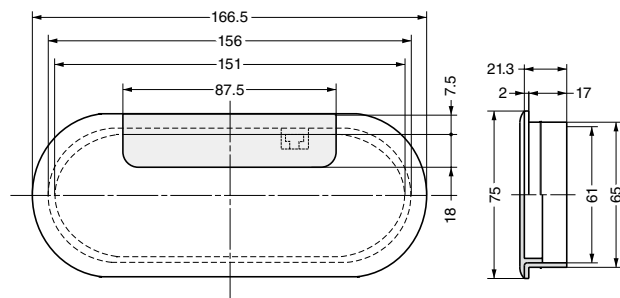
CABLE GROMMET

S165-76

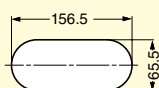


Features

- Please push  into back when using thin cables.
- All the front parts are removable for wide opening.



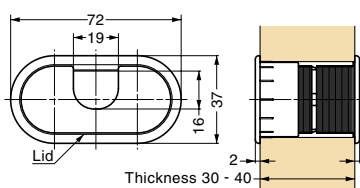
Cut Out Dimensions



Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-031-827	S165-76CM	Ivory	ABS	48 g	5 pcs	50 pcs
210-031-826	S165-76W	White	ABS	48 g	5 pcs	50 pcs
210-031-825	S165-76G	Grey	ABS	48 g	5 pcs	50 pcs
210-031-824	S165-76B	Black	ABS	48 g	5 pcs	50 pcs

CABLE GROMMET

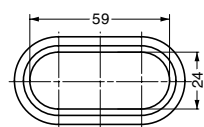
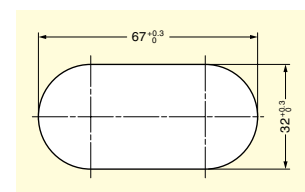
LN72



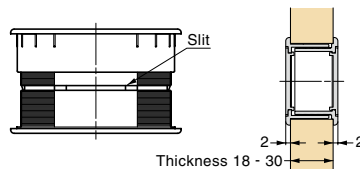
Features

- Double sided cable grommet.
- Applicable board thickness: 30 mm - 40 mm. Also available for 18 mm - 30 mm thickness board by cutting the slit on body.
- Lid is removable for wide opening.

Cut Out Dimensions



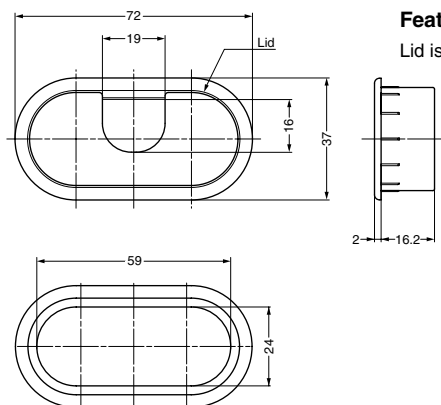
After Cutting Slit



Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-020-562	LN72-WT	White	ABS	19 g	40 pcs	320 pcs
210-020-563	LN72-BL	Black	ABS	19 g	40 pcs	320 pcs

CABLE GROMMET

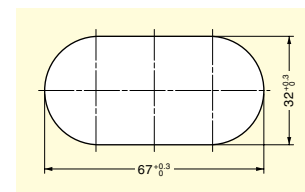
LN72S



Features

- Lid is removable for wide opening.

Cut Out Dimensions



Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-021-706	LN72S-WT	White	ABS	9 g	40 pcs	320 pcs
210-021-707	LN72S-BL	Black	ABS	9 g	40 pcs	320 pcs

CABLE GROMMET

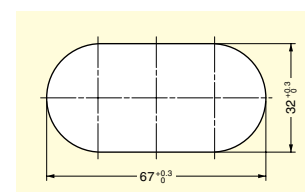
LN72P



Features

- Without cap version of LN72S (above).

Cut Out Dimensions



LN72 (Above)



Double sided adjustable grommet

LN72S (Above)

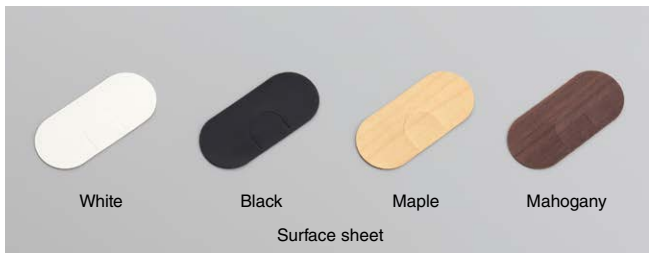


One sided adjustable grommet

Item Code	Item Name	Finish	Material	Weight	Box	Carton
210-024-225	LN72P-CR	Chrome	ABS	8 g	40 pcs	320 pcs
210-026-235	LN72P-DC	Dull Chrome	ABS	8 g	40 pcs	320 pcs
210-024-226	LN72P-GC	Gold	ABS	8 g	40 pcs	320 pcs

CABLE GROMMET

LN72SF

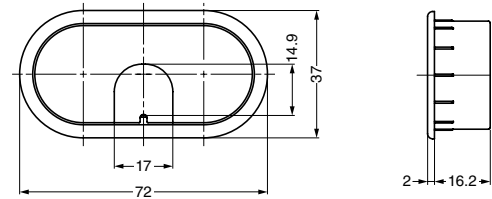


Features

- 4 different finishes available.
- Cap is removable for wide opening.

Sold Separately

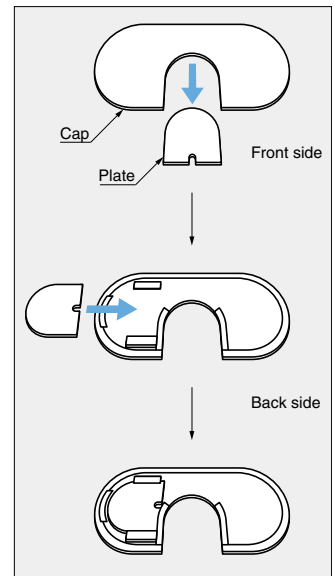
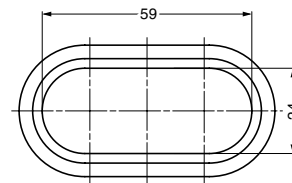
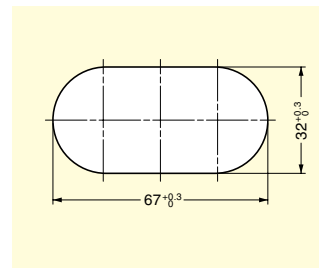
Surface sheet LN72SF-ST



Combination Example



Cut Out Dimensions



Main Body

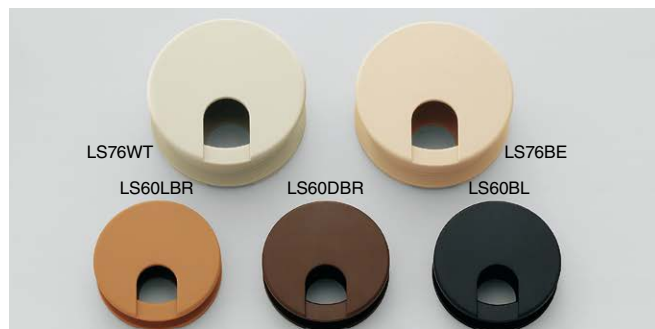
Item Code	Item Name	Colour	Material	Weight	Box	Carton
210-024-223	LN72SF-WT	White	ABS	9 g	40 pcs	320 pcs
210-024-224	LN72SF-BL	Black				

Surface Sheet (Sold Separately)

Item Code	Item Name	Colour	Weight	Box
210-025-807	LN72SF-ST-WT	White	0.9 g	1500 pcs
210-025-808	LN72SF-ST-BL	Black		
210-026-450	LN72SF-ST-MAP	Maple		700 pcs
210-026-449	LN72SF-ST-MAO	Mahogany		

CABLE GROMMET (PUSH-IN TYPE)

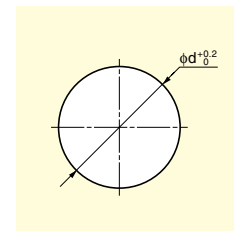
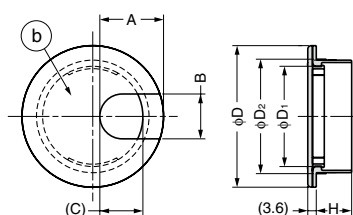
LSU, LS



Features

- Double sided cable grommet.
- Cap (b) is removable for wide opening.

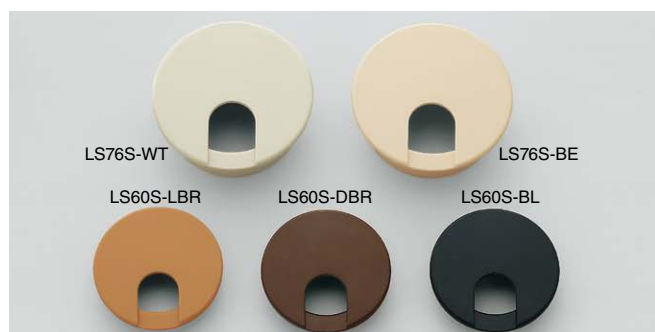
Cut Out Dimensions



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	A	B	C	t	d	Weight	Box	Carton		
210-040-948	LS43WT	White	ABS	43	29.5	35.5	-	14	14.5	16 - 26	35	10.3 g	20 pcs	160 pcs		
210-040-949	LS43BE	Beige	ABS									10.3 g	20 pcs	160 pcs		
210-040-950	LS43LBR	Light Brown	ABS									10.3 g	20 pcs	160 pcs		
210-040-951	LS43DBR	Dark Brown	ABS									10.3 g	20 pcs	160 pcs		
210-040-952	LS43BL	Black	ABS	50	34.5	40.5	-	17	17	16 - 26	40	10.3 g	20 pcs	160 pcs		
210-040-953	LS50WT	White	ABS									13.3 g	20 pcs	160 pcs		
210-040-954	LS50BE	Beige	ABS									13.3 g	20 pcs	160 pcs		
210-040-955	LS50LBR	Light Brown	ABS									13.3 g	20 pcs	160 pcs		
210-040-956	LS50DBR	Dark Brown	ABS	60	42.5	48.5	27	19	18	12 - 18	48	13.3 g	20 pcs	160 pcs		
210-040-957	LS50BL	Black	ABS									13.3 g	20 pcs	160 pcs		
210-017-353	LSU60WT	White	ABS									12 - 18	48	19 g	20 pcs	160 pcs
210-029-534	LSU60BE	Beige	ABS											19 g	20 pcs	160 pcs
210-029-533	LSU60LBR	Light Brown	ABS	19 g	20 pcs	160 pcs										
210-029-532	LSU60DBR	Dark Brown	ABS	19 g	20 pcs	160 pcs										
210-017-354	LSU60BL	Black	ABS	60	42.5	48.5	27	19	18	18 - 24	48	19 g	20 pcs	160 pcs		
210-035-071	LS60WT	White	ABS									20 g	20 pcs	160 pcs		
210-029-126	LS60BE	Beige	ABS									20 g	20 pcs	160 pcs		
210-029-535	LS60LBR	Light Brown	ABS									20 g	20 pcs	160 pcs		
210-029-536	LS60DBR	Dark Brown	ABS	76	58.2	64.2	34	22	25.1	25 - 40	64	20 g	20 pcs	160 pcs		
210-035-070	LS60BL	Black	ABS									20 g	20 pcs	160 pcs		
210-031-304	LS76WT	White	ABS									36 g	12 pcs	96 pcs		
210-029-537	LS76BE	Beige	ABS									36 g	12 pcs	96 pcs		
210-029-538	LS76LBR	Light Brown	ABS	76	58.2	64.2	34	22	25.1	25 - 40	64	36 g	12 pcs	96 pcs		
210-029-539	LS76DBR	Dark Brown	ABS									36 g	12 pcs	96 pcs		
210-031-305	LS76BL	Black	ABS									36 a	12 pcs	96 pcs		

CABLE GROMMET (SINGLE SIDE PUSH-IN TYPE)

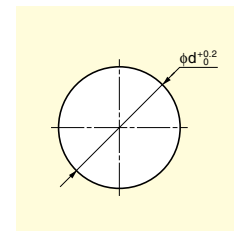
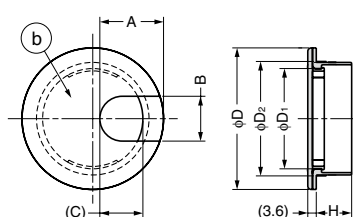
LSU-S, LS-S



Features

- Cap (b) is removable for wide opening.

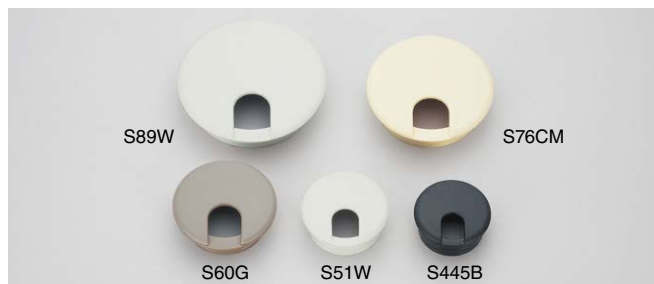
Cut Out Dimensions



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	H	A	B	C	d	Weight	Box	Carton
210-040-938	LS43S-WT	White	ABS	43	29.5	35.5	15	-	14	14.5	35	10.3 g	20 pcs	160 pcs
210-040-939	LS43S-BE	Beige	ABS									10.3 g	20 pcs	160 pcs
210-040-940	LS43S-LBR	Light Brown	ABS									10.3 g	20 pcs	160 pcs
210-040-941	LS43S-DBR	Dark Brown	ABS									10.3 g	20 pcs	160 pcs
210-040-942	LS43S-BL	Black	ABS	50	34.5	40.5	15	-	17	17	40	10.3 g	20 pcs	160 pcs
210-040-943	LS50S-WT	White	ABS									13.3 g	20 pcs	160 pcs
210-040-944	LS50S-BE	Beige	ABS									13.3 g	20 pcs	160 pcs
210-040-945	LS50S-LBR	Light Brown	ABS									13.3 g	20 pcs	160 pcs
210-040-946	LS50S-DBR	Dark Brown	ABS	60	42.5	48.5	11.5	-	17	17	40	13.3 g	20 pcs	160 pcs
210-040-947	LS50S-BL	Black	ABS									13.3 g	20 pcs	160 pcs
210-029-540	LSU60S-WT	White	ABS									11 g	20 pcs	160 pcs
210-029-541	LSU60S-BE	Beige	ABS									11 g	20 pcs	160 pcs
210-029-542	LSU60S-LBR	Light Brown	ABS	76	58.2	64.2	15	-	22	25.1	64	11 g	20 pcs	160 pcs
210-029-543	LSU60S-DBR	Dark Brown	ABS									11 g	20 pcs	160 pcs
210-029-544	LSU60S-BL	Black	ABS									11 g	20 pcs	160 pcs
210-029-545	LS60S-WT	White	ABS									12 g	20 pcs	160 pcs
210-029-546	LS60S-BE	Beige	ABS	76	58.2	64.2	23.5	34	22	25.1	64	12 g	20 pcs	160 pcs
210-029-547	LS60S-LBR	Light Brown	ABS									12 g	20 pcs	160 pcs
210-029-548	LS60S-DBR	Dark Brown	ABS									12 g	20 pcs	160 pcs
210-029-549	LS60S-BL	Black	ABS									12 g	20 pcs	160 pcs
210-029-550	LS76S-WT	White	ABS	76	58.2	64.2	23.5	34	22	25.1	64	20 g	12 pcs	96 pcs
210-029-551	LS76S-BE	Beige	ABS									20 g	12 pcs	96 pcs
210-029-552	LS76S-LBR	Light Brown	ABS									20 g	12 pcs	96 pcs
210-029-553	LS76S-DBR	Dark Brown	ABS									20 g	12 pcs	96 pcs
210-029-554	LS76S-BL	Black	ABS									20 g	12 pcs	96 pcs

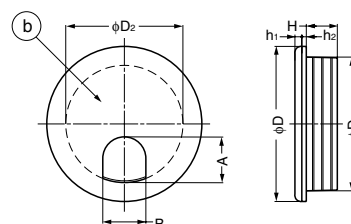
CABLE GROMMET

S445, S51, S60, S76, S89

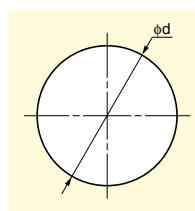


Features

Cap ① is removable for wide opening.



Cut Out Dimensions



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	H	h ₁	h ₂	A	B	d	Weight	Box	Carton
210-031-830	S445CM	Ivory	ABS	45	38.8	34	16.4	2	1.3	16.7	12.5	39	9 g	50 pcs	450 pcs
210-031-831	S445W	White	ABS										9 g	50 pcs	450 pcs
210-031-829	S445G	Grey	ABS										9 g	50 pcs	450 pcs
210-031-828	S445B	Black	ABS										9 g	50 pcs	450 pcs
210-031-834	S51CM	Ivory	ABS	51	44.8	39.7	16.3	2	1.6	19	15.5	45	11 g	30 pcs	300 pcs
210-031-835	S51W	White	ABS										11 g	30 pcs	300 pcs
210-031-833	S51G	Grey	ABS										11 g	30 pcs	300 pcs
210-031-832	S51B	Black	ABS										11 g	30 pcs	300 pcs
210-031-838	S60CM	Ivory	ABS	60.5	48.8	44	16.2	2.6	1.5	20.8	19	49	14 g	25 pcs	250 pcs
210-031-839	S60W	White	ABS										14 g	25 pcs	250 pcs
210-031-837	S60G	Grey	ABS										14 g	25 pcs	250 pcs
210-031-836	S60B	Black	ABS										14 g	25 pcs	250 pcs
210-031-814	S76CM	Ivory	ABS	76.5	64.8	59	16.1	2.6	1.5	21.5	21.5	65	22 g	15 pcs	150 pcs
210-031-815	S76W	White	ABS										22 g	15 pcs	150 pcs
210-031-813	S76G	Grey	ABS										22 g	15 pcs	150 pcs
210-031-812	S76B	Black	ABS										22 g	15 pcs	150 pcs
210-031-818	S89CM	Ivory	ABS	89.4	76.8	71.4	16.5	2.6	1.5	25	22	77	30 g	10 pcs	80 pcs
210-031-819	S89W	White	ABS										30 g	10 pcs	80 pcs
210-031-817	S89G	Grey	ABS										30 g	10 pcs	80 pcs
210-031-816	S89B	Black	ABS										30 g	10 pcs	80 pcs

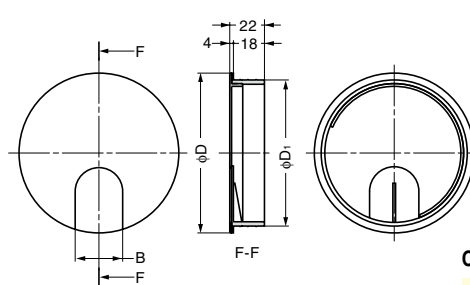
CABLE GROMMET

ST70, ST88

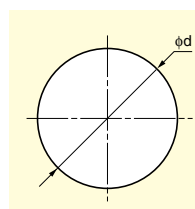


Features

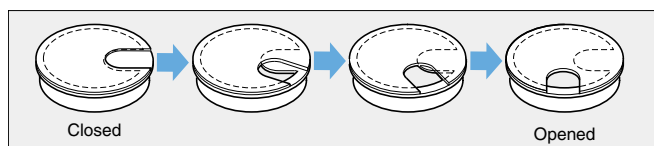
Cover rotates 90 degrees.



Cut Out Dimensions



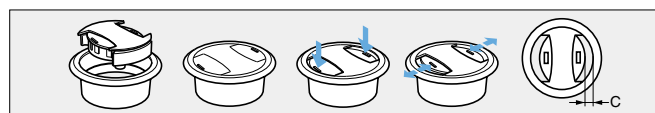
Cover



Item Code	Item Name	Colour	Material	D	D ₁	B	d	Weight	Box	Carton
210-031-802	ST70W	White	ABS	70	60	22	60	20 g	15 pcs	150 pcs
210-031-803	ST70CM	Ivory	ABS	70	60	22	60	20 g	15 pcs	150 pcs
210-031-804	ST70SL	Silver	ABS	70	60	22	60	20 g	15 pcs	150 pcs
210-031-805	ST70G	Grey	ABS	70	60	22	60	20 g	15 pcs	150 pcs
210-031-806	ST70B	Black	ABS	70	60	22	60	20 g	15 pcs	150 pcs
210-031-807	ST88W	White	ABS	88	80	26	80	31 g	10 pcs	80 pcs
210-031-808	ST88CM	Ivory	ABS	88	80	26	80	31 g	10 pcs	80 pcs
210-031-809	ST88SL	Silver	ABS	88	80	26	80	31 g	10 pcs	80 pcs
210-031-810	ST88G	Grey	ABS	88	80	26	80	31 g	10 pcs	80 pcs
210-031-811	ST88B	Black	ABS	88	80	26	80	31 g	10 pcs	80 pcs

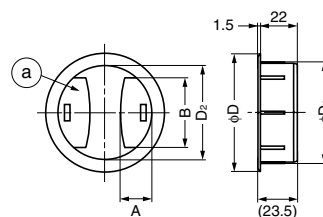
CABLE GROMMET

S70, S91

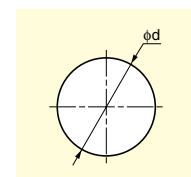


Features

- For thin cables, slide the part ②.
- All the front parts are removable for wide opening.



Cut Out Dimensions



Application



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	A	B	C	d	Weight	Box	Carton
210-028-542	S70W	White	ABS	70.5	60	56	19	41.5	7	60	29 g	15 pcs	150 pcs
210-028-543	S70CM	Ivory	ABS	70.5	60	56	19	41.5	7	60	29 g	15 pcs	150 pcs
210-028-544	S70G	Grey	ABS	70.5	60	56	19	41.5	7	60	29 g	15 pcs	150 pcs
210-028-545	S70BR	Brown	ABS	70.5	60	56	19	41.5	7	60	29 g	15 pcs	150 pcs
210-028-546	S70B	Black	ABS	70.5	60	56	19	41.5	7	60	29 g	15 pcs	150 pcs
210-028-547	S91W	White	ABS	91	80	76	25	55	10	80	40 g	10 pcs	80 pcs
210-028-548	S91CM	Ivory	ABS	91	80	76	25	55	10	80	40 g	10 pcs	80 pcs
210-028-549	S91G	Grey	ABS	91	80	76	25	55	10	80	40 g	10 pcs	80 pcs
210-028-550	S91BR	Brown	ABS	91	80	76	25	55	10	80	40 g	10 pcs	80 pcs
210-028-551	S91B	Black	ABS	91	80	76	25	55	10	80	40 g	10 pcs	80 pcs

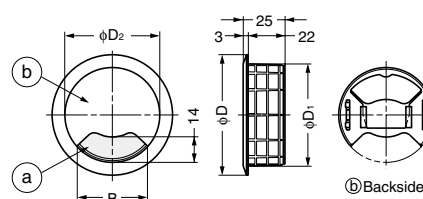
CABLE GROMMET

V60, V80

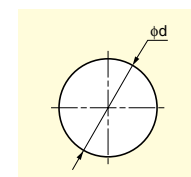


Features

- Remove the part ② for thin cables and keep on the backside pocket.
- All the front parts are removable for wide opening.

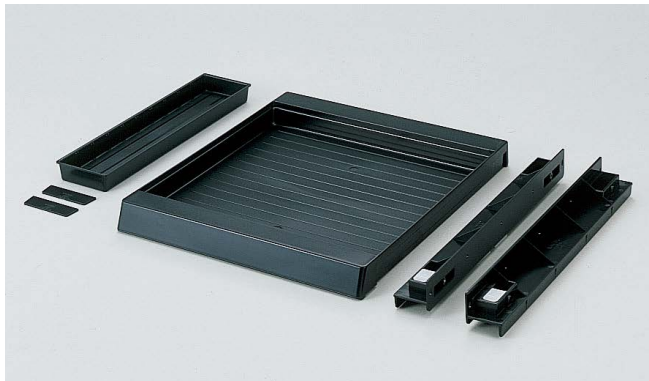


Cut Out Dimensions



Item Code	Item Name	Colour	Material	D	D ₁	D ₂	B	d	Weight	Box	Carton
210-031-857	V60W	White	Polystyrene (HIPS)	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-859	V60BE	Beige	Polystyrene (HIPS)	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-858	V60DBE	Dark Beige	Polystyrene (HIPS)	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-866	V60SL	Silver	ABS	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-865	V60RG	Light Brown	Polystyrene (HIPS)	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-856	V60B	Black	Polystyrene (HIPS)	72	61	56.7	41	60.5	25 g	15 pcs	150 pcs
210-031-853	V80W	White	Polystyrene (HIPS)	92	80.5	77	50	80	38 g	10 pcs	80 pcs
210-031-855	V80BE	Beige	Polystyrene (HIPS)	92	80.5	77	50	80	38 g	10 pcs	80 pcs
210-031-854	V80DBE	Dark Beige	Polystyrene (HIPS)	92	80.5	77	50	80	38 g	10 pcs	80 pcs
210-031-867	V80SL	Silver	ABS	92	80.5	77	50	80	38 g	10 pcs	80 pcs
210-031-864	V80RG	Light Brown	Polystyrene (HIPS)	92	80.5	77	50	80	38 g	10 pcs	80 pcs
210-031-852	V80B	Black	Polystyrene (HIPS)	92	80.5	77	50	80	38 g	10 pcs	80 pcs

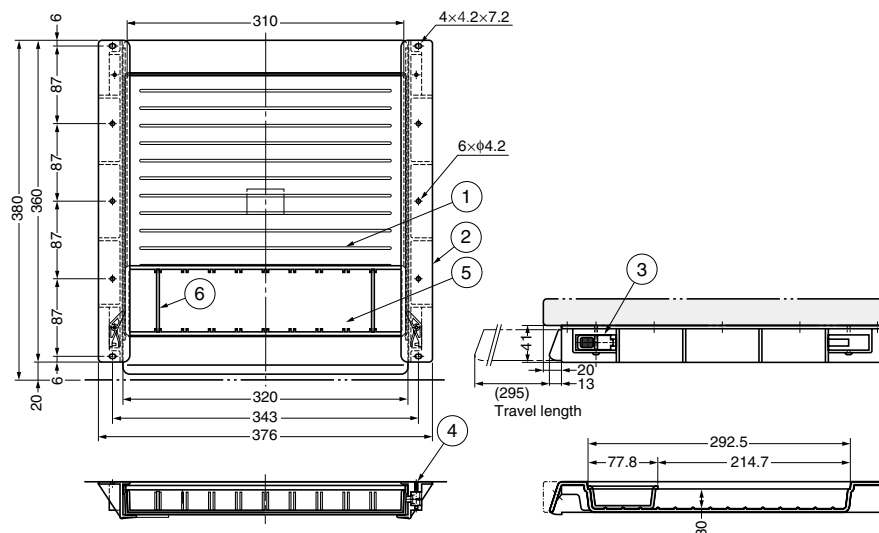
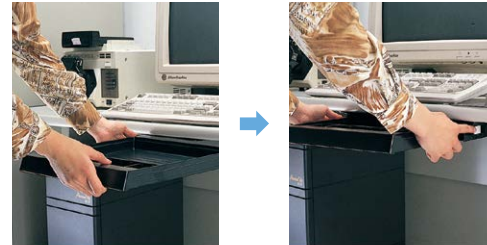
TRAY UNIT


TU-380

Features

With pen tray and two partitions.

Parts Included

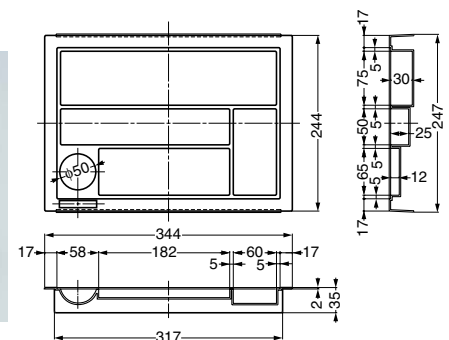
Binding head tapping screw 4×49

How to Install


No.	Part Name	Material	Colour	PCS
①	Tray	ABS	Black	1 pc
②	Rail	ABS	Black	2 pcs
③	Stopper	Polyacetal (POM)	Natural	2 pcs
④	Stopper Pin	Steel	Black	2 pcs
⑤	Pen Tray	High Impact Polystyrene	Black	1 pc
⑥	Panel	High Impact Polystyrene	Black	2 pcs

Item Code	Item Name	Weight	Box	Carton
210-030-171	TU-380	845 g	1 set	10 sets

PEN TRAY


Application Example


Item Code	Item Name	Material	Colour	Weight	Carton
210-030-130	PT-1	Plastic	Black	310 g	20 pcs

UMBRELLA STAND

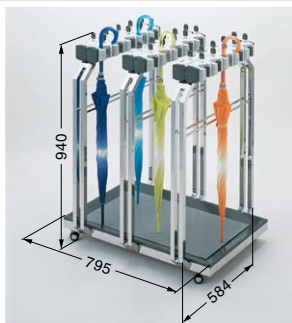


Features

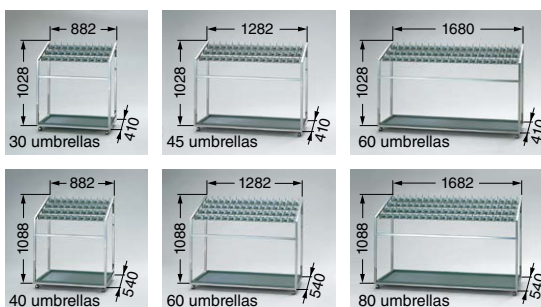
- Made of stainless steel (SUS304).
- High security locking mechanism.
- Made to order.

Portable Type

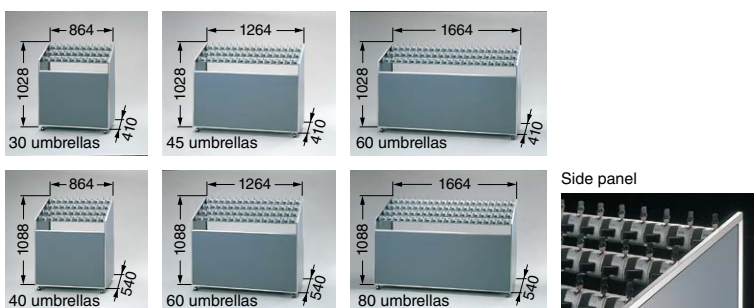
AU-PS103



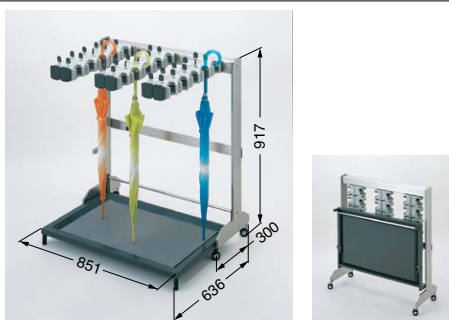
AU-SA



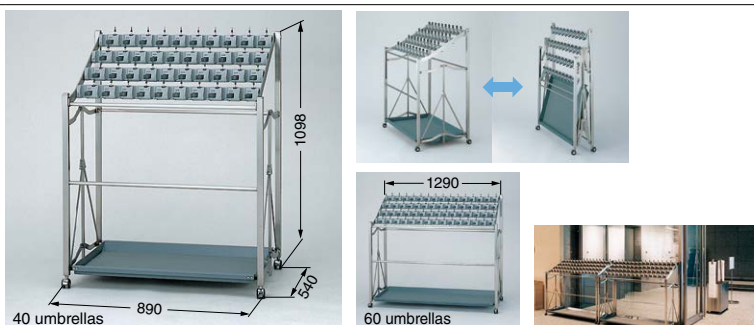
AU-SC



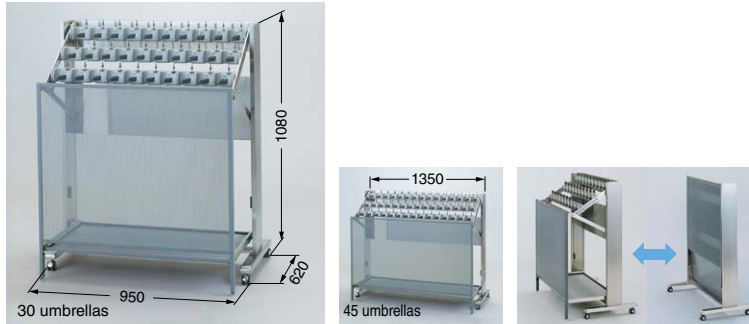
AU-PO103



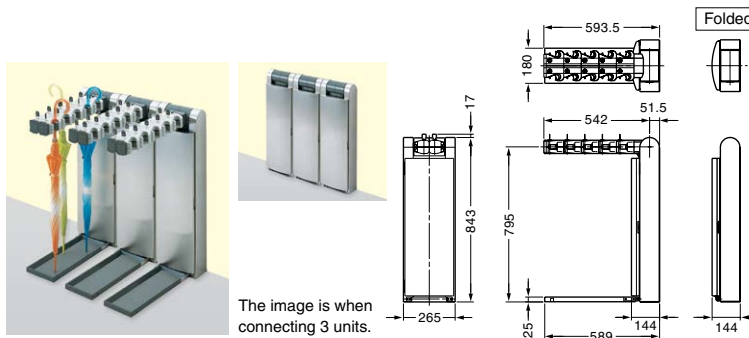
AU-SO



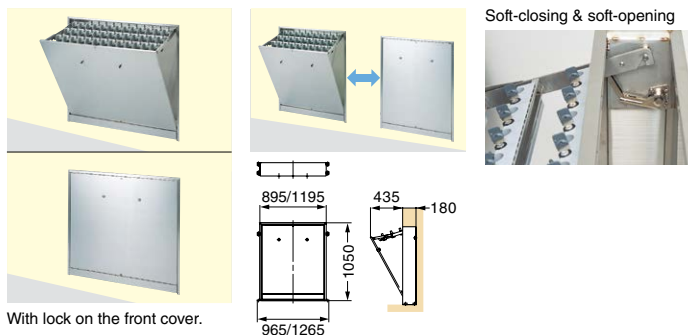
Lock	Specification		Capacity
PS-U360	Un-foldable	Open Frame	30 umbrellas
ST-U100	Un-foldable	Open Frame	30-80 umbrellas
ST-U100	Un-foldable	With Front Cover	30-80 umbrellas
PS-U360	Foldable	Open Frame	30 umbrellas
ST-U100	Foldable	Open Frame	40, 60 umbrellas

AU-ST**Discontinued**

Lock	Specification		Capacity
ST-U100	Foldable	With Front Cover	30, 45 umbrellas

Wall-mount Type**AU-PF101**

Lock	Specification		Capacity
PS-U360	Wall-mount	Open Frame	10 umbrellas

AU-SF

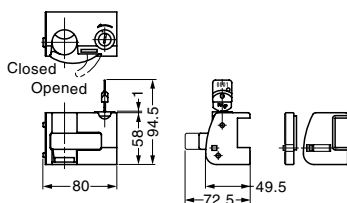
Lock	Specification		Capacity
ST-U100	Wall-mount	With Front Cover	27, 39 umbrellas

LOCK**Features**

- Spare parts for umbrella stands.
- Put the umbrella in the hole and latch the lever to lock.
- Made with materials of high corrosion resistance.
- High security locking mechanism.
- Made to order.

Compatible Model

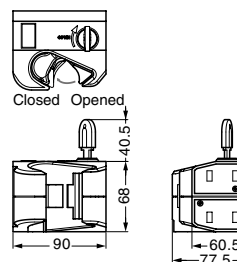
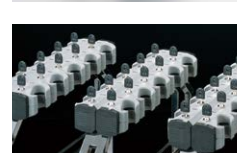
AU-SA, AU-SC, AU-SO, AU-ST, AU-SF

**ST-U100****LOCK****Features**

- Spare parts for umbrella stands.
- Easy operation. Simply push the umbrella in the hole to lock.
- Made with material of high corrosion resistance.
- High security locking mechanism.
- Made to order.

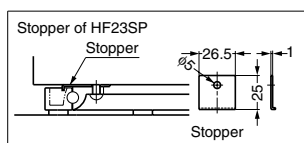
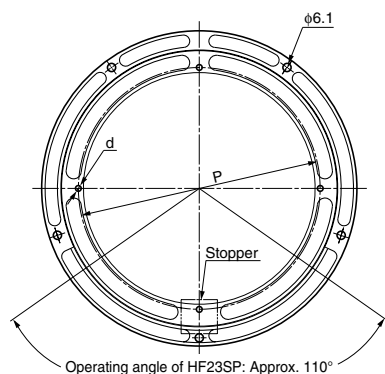
Compatible Model

AU-PS, AU-PO, AU-PF

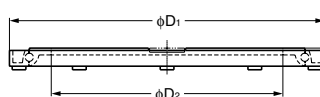
**PS-U360**

SWIVEL

HF



*Stopper can be removed.



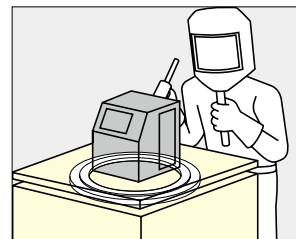
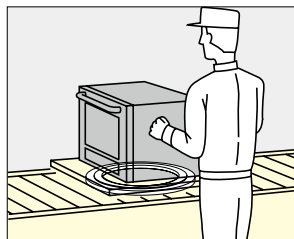
Features

- For tables such as TV monitors and worktables.
- Rubber stoppers prevent from slipping.
- Top plate has holes to fix on table.

Remarks

- Mounting hole pitch may vary. Please check with the actual item.

Application Example



No.	Part Name	Material	Finish/Colour
①	Top Plate	Aluminium Alloy	As below
②	Balls	Steel	—
③	Base Plate	Aluminium Alloy	As below
④	Leg	Rubber	White

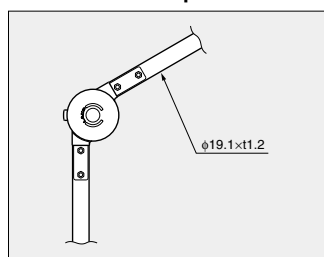
Item Code	Item Name	Stopper	Finish	D ₁	D ₂	P	H	h	d	Holes	Load Capacity	Weight	Box
210-035-222	HF23SP	With	Polished	230	166	176	16	15	φ4.8	4	392 N	40 kgf	0.37 kg 40 pcs
210-035-220	HF30	Without	Polished	327	265	275.5	16	15	φ4.8	6	588 N	60 kgf	0.55 kg 20 pcs
210-035-221	HF45	Without	Polished	441	380	392	22	16.5	φ4.8, φ10 CSK	6	980 N	100 kgf	1.60 kg 10 pcs
210-035-226	HF60	Without	Silver	600	520	538	24	18.5	φ4.8, φ12 CSK	4	1960 N	200 kgf	3.20 kg 5 pcs

MULTI ANGLE STAY

KA-60



Installation Example



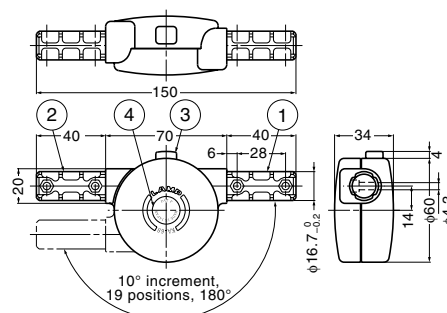
Item Code	Item Name	Applicable Pipe	Load Capacity	Weight	Box	Carton
170-890-570	KA-60	φ19.1x1.2	25 N·m 2.5 kgf·m	170 g	6 pcs	60 pcs

Features

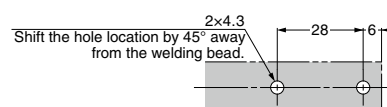
- Angle adjustment and locking is realised by simple button operation.
- Suitable for pipe joints for which angle adjustment is required.
- Angle can be adjusted from 0° - 180° by 10° increments.
- Completely locked when your hands are off the release button.

Remarks

- Do not forcibly apply force in the locked position.
- Pipe not included.



Pipe Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body A	Aluminium Alloy	Ivory
②	Body B	Aluminium Alloy	Ivory
③	Release Button	Aluminium Alloy	Chrome
④	Cap	ABS	Black