No.500



Stylishly subtle hardware **highlights displays**





SUGATSUNE

Since 1930

Manufacturer of LAMP® brand products

Furniture & Architectural Hardware



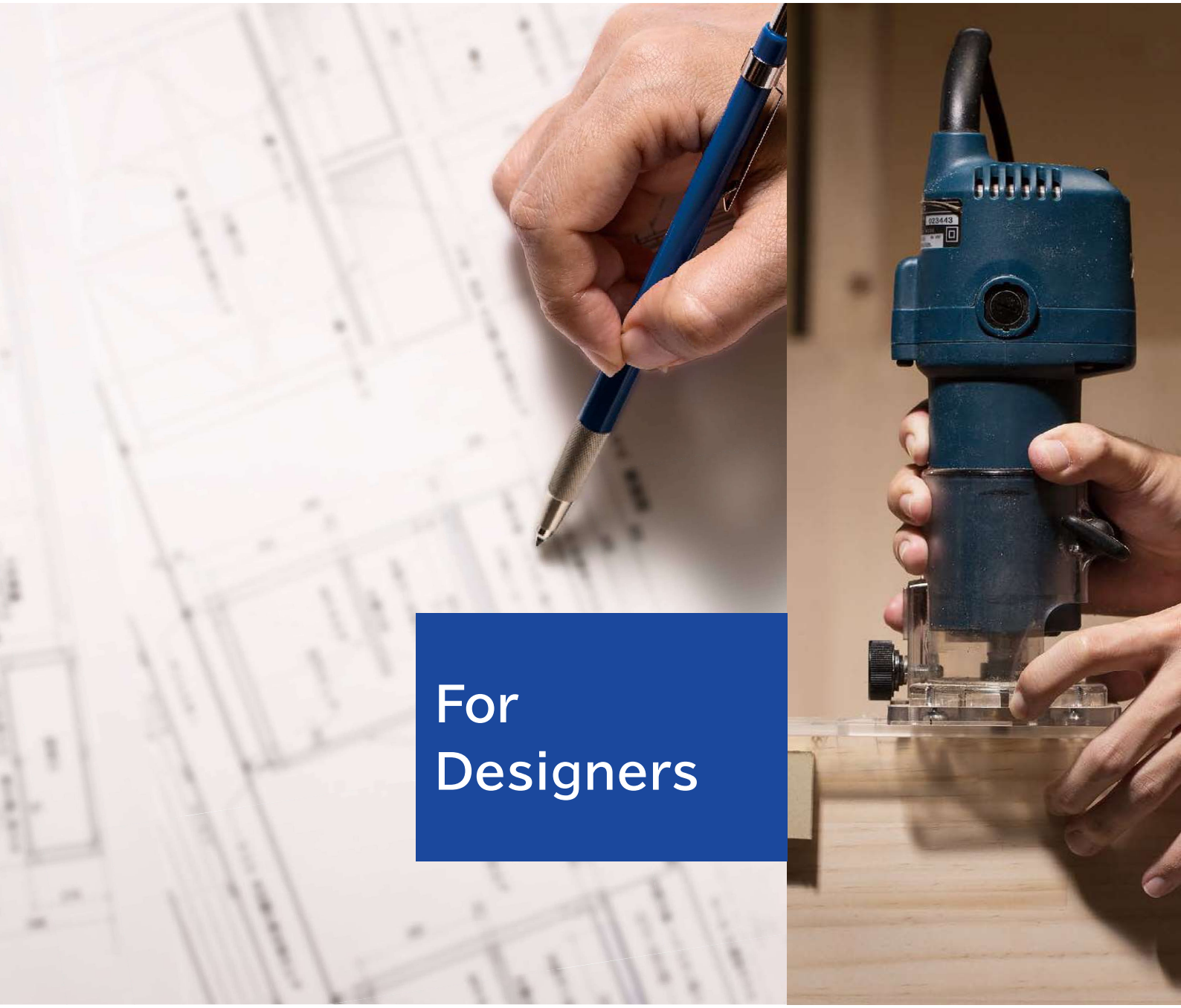
Hinges **integrated** with thin door frames





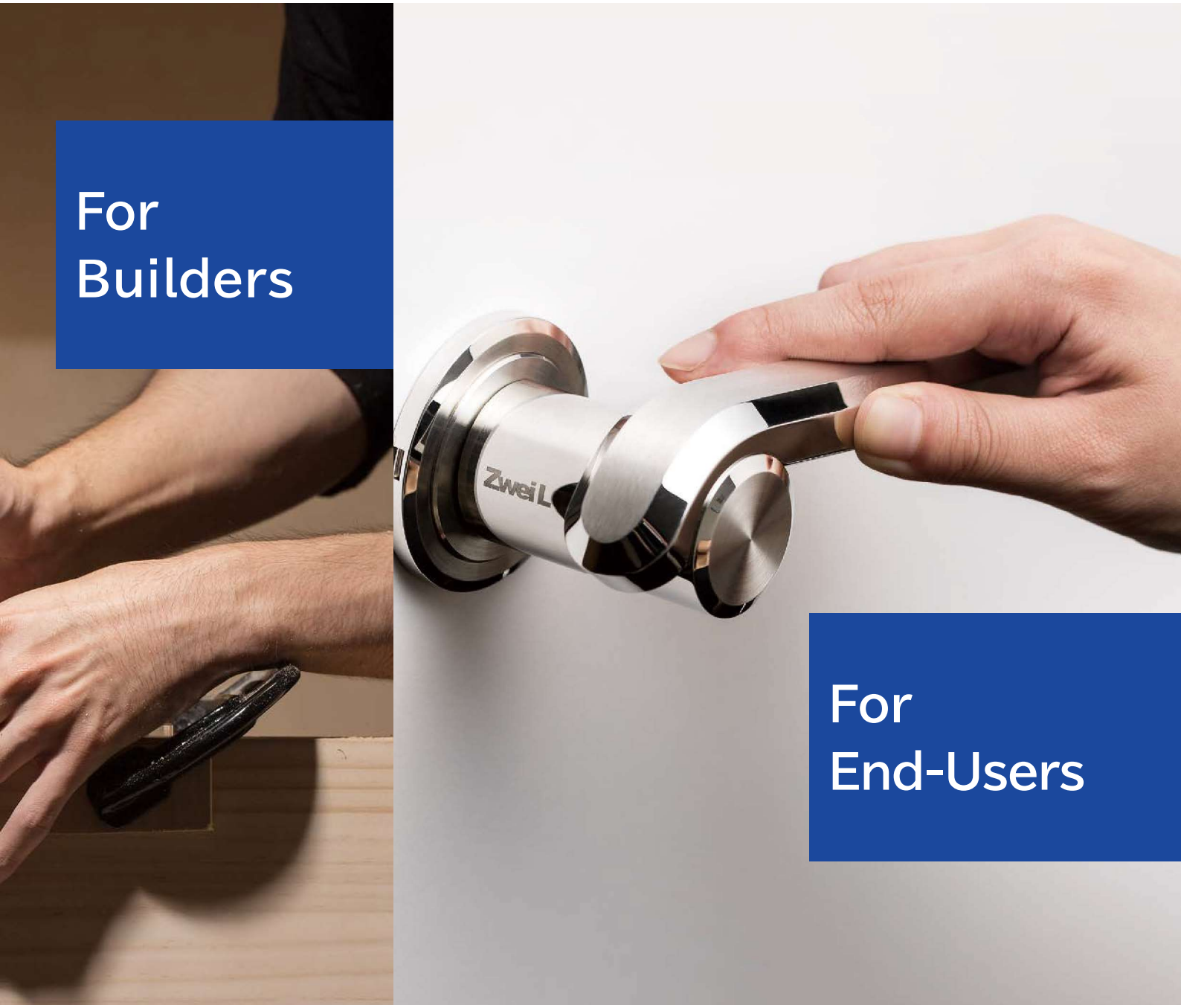
Innovation beyond expectation

Because Details Matter



For
Designers

Realising Your Vision with Diversity and Expertise



Sugatsune connects the ideas and aspirations of various people by expanding the potential of hardware and meticulously designing each product.
We meet the demands of furniture and architectural projects with unmatched functionality, quality, and service. Sugatsune' s unwavering dedication remains steadfast now and in the future.

LAMP®

High-Quality Products, Expertly Designed in Japan

September 2024

Enriching the meaning of “Manufacturing”

Product Development

The creativity and ability to create new products



Sugatsune recognises originality as a key component to creating products that are long time favourites in the market and that can also drive sales. With enhancing originality comes increasing difficulty to conceptualise and make original products. But by challenging these hurdles, a new and tailored market can be conceived.

Core Technology

A legacy of expertise



Sugatsune’s Motion Design Tec delivers specialised movements solutions such as “free stop motion,” “soft motion,” and “assist motion” for a better user experience. Cultivated over the decades, Sugatsune can provide highly original, reliable, and quality products with Motion Design Tec technologies worldwide.

Expanding Globally with Partners in Over 80 Countries

Please enquire about custom-made products!

- Finish change
- Dimension change
- Processing
- Function addition
- Specification change
- Development

Our Factory

Sugatsune has it's own exclusive factory and within its facilities is a development research centre specializing in motion design. It is here that Sugatsune's new and unique technologies emerge.



Design

Commitment to Functional Design



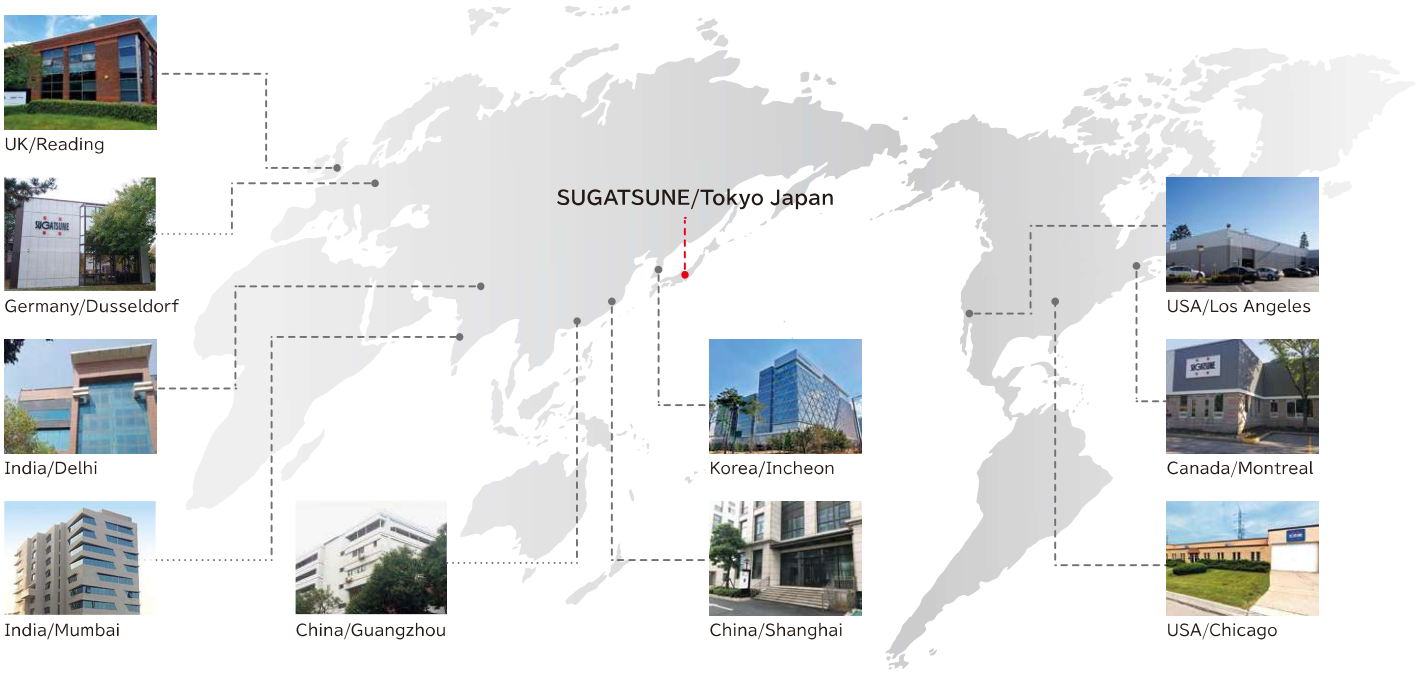
Design is no longer just about shape and colour. To deepen the meaning of "design," practicality and functionality have become integral elements in the Sugatsune manufacturing development process. Without ignoring the traditional design approach, resulting products undoubtedly possess a distinct visually appealing quality.

Product Variety

A product lineup to meet all needs



With over 30,000 products in its lineup, Sugatsune can quickly and accurately meet the needs of its customers. Moreover, support for specialised custom made items is also available.





Zwei Lichter

[Two Lights]

High precision polish, artfully sculpted shine

Flawless, distortion free lines. Stainless steel surfaces polished to the smoothness of a mirror juxtaposed seamlessly against a soft metallic satin finish creating a stately radiance.

Zwei L®



Exquisite Distortion-free Straight Lines

Beauty, lives in the finer details.

“The pursuit of the essential and the ideal” is Sugatsune Kogyo’s vow, given form in Zwei L.

With its dual gleams of light, premium interiors are enhanced with a lustrous glow.

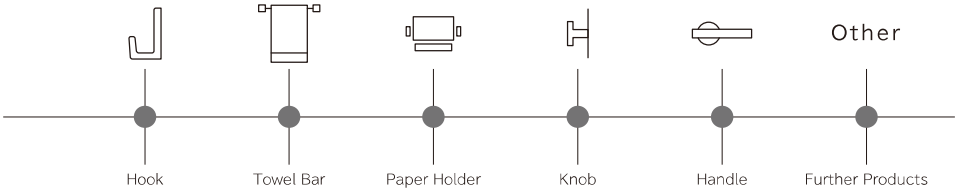








LINE UP





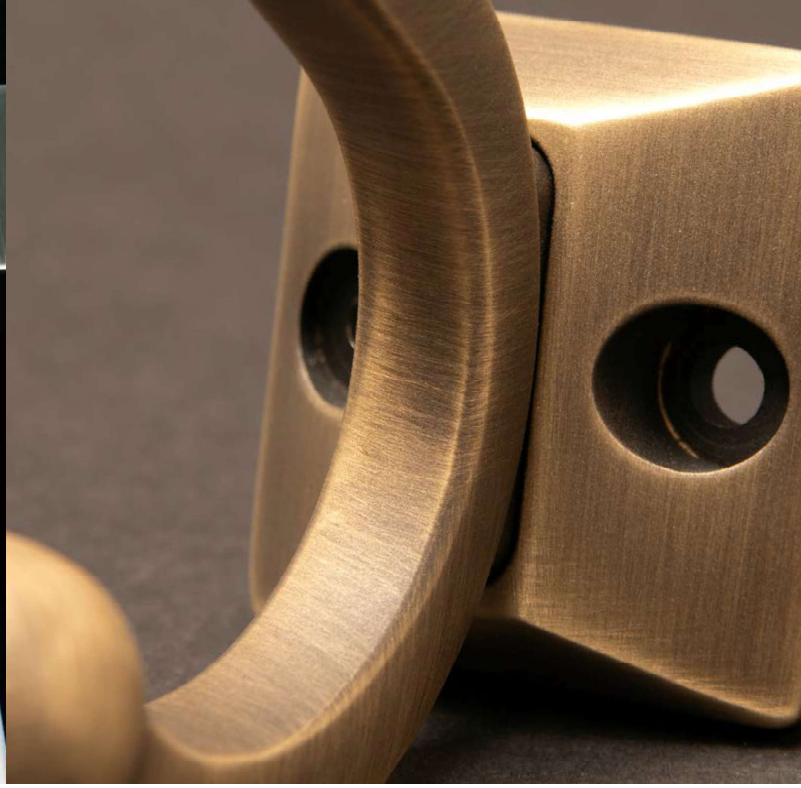
LAMP®

An original brand of Sugatsune quality

LAMP brand represents our answers to numerous manufacturing challenges and Sugatsune's commitment to quality and function is evident in the design, construction, material selection, finishing, and quality control of our products.







Confidence in our quality

Due to our “manufacturing by pursuing the ideal” strategy, which includes stringent quality control, a reliable testing system, and a dedication to exquisite finishes, you can use LAMP products with confidence for a long time. This ensures a consistent supply of goods of high calibre.

Specialised mechanisms

The components of LAMP are symbolised by their unique mechanisms, which are the outcome of our creative vision. By choosing the best mechanism for the project during the design phase, we maximise the potential of the components and produce a product of a quality that our clients can rely on.

The art of attention to detail

Design is an integral part of our hardware. With this in mind, we make no compromises with materials and finishes. Sugatsune’s dedication is demonstrated by the stunning finishes and exquisite craftsmanship of our products, which are like works of art.





MonoFlat UNISON MFU1200 Flush Sliding Door System





The MFU1200 Flush Sliding Door System by Sugatsune offers a sleek and integrated design, effortlessly blending with your wall for a concealed appearance. This system supports a maximum door mass of 70 kg and features a two-way damper, ensuring doors open and close smoothly and quietly, enhancing your space's luxurious feel.
Installation is straightforward with a minimal number of parts and no need for floor rail or groove processing. The door pushes open, eliminating the need for a handle on the front side, creating a perfectly flat surface when closed.

Seamlessly Blends with Any Interiors







No lower rail or grooving is required on the floor.

MonoFlat UNISON

Concealed Hinge The HES Series



The HES series offers superb hinges that are virtually invisible from the outside.
It discreetly enhances the beauty of doors without obstructing original designs.
Various interior styles look better with the HES hinges.
For example, the HES1F seamlessly integrates into door frames
and it enhances the overall aesthetic of interior spaces.

Enhance the Interior Space You Design







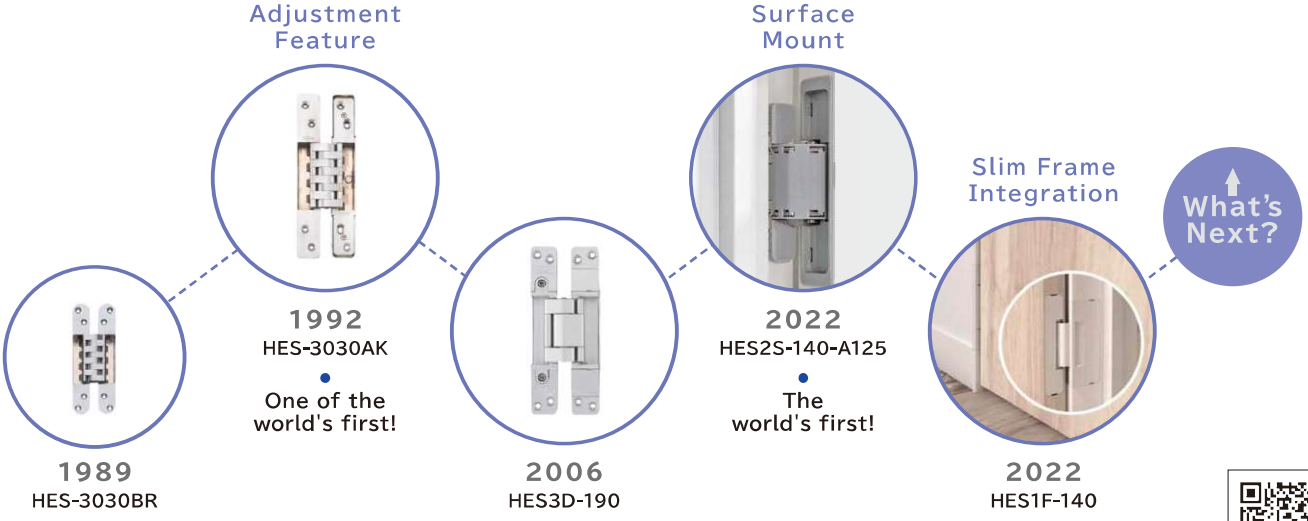
HES1F



HES2S



HES3D



HES Series Milestones at a Glance

MonoFlat LIN-X Hinge For Heavy Doors



When closed, the LIN-X Series doors seamlessly align with the wall, creating a clean and sophisticated space. This system can accommodate large doors with a width of up to 1100 mm and a weight of 90 kg. With a wide opening of 930 mm, it also allows for easy wheelchair access.

Elegant Flush Design for Compact & Functional Spaces

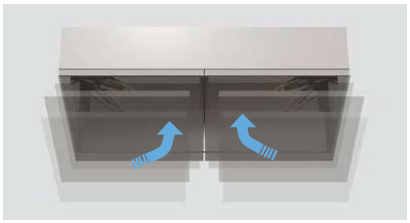
LAMP

Simple & High Quality-Design













MonoFlat LIN-X hinge

GS-G Series Glass Showcase Hardware




Silver


Gold


Black

Crafted with sleek, modern lines, this showcase hardware enhances your exhibited pieces without stealing the spotlight.



Premium Stainless Steel Solutions for Modern and Durable Design

Stainless steel products are favoured for all applications due to their modern finish, durability, and non-corrosive quality. This material is also known for being low-maintenance, making it easy to care for while offering great aesthetic appeal. Sugatsune offers a wide range of stainless steel products, from simple decorative hardware to complex functional hardware. Choose Sugatsune's quality stainless steel for a long-lasting, simple, and modern design.



SUGATSUNE HELP HUB

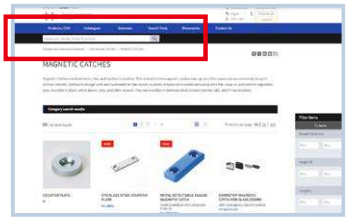
Build Better with Sugatsune!

Explore Our Comprehensive Support Resources

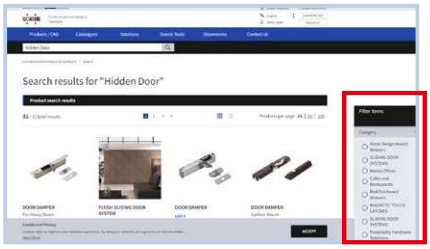


Keyword Search & Product Filters

Search for products by keyword and utilize our product filters. Access comprehensive information including our online catalogue, CAD data and instruction manuals!



Find relevant products with fuzzy search strings like "Hidden Door"!

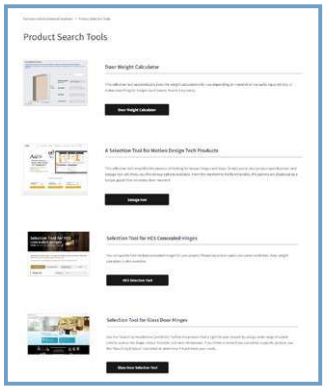


Filter by size, colour, or material as well!

Product Search Tools

The product search tools allow you to choose products tailored to your installation conditions, such as damper stays, damper hinges, torque hinges, torque stays, and more. With moment calculation and operation force simulation, you can easily identify the products that best meet your product requirements.

- Selection Tool for Motion Design Tech Products (Damper stays and hinges, Free stop hinges, etc.)
- Selection Tool for HES Concealed Hinges
- Selection Tool for Glass Door Hinges
- Selection Tool for Pocket Door System



Customer Solutions Case Studies

Our case studies introduce our products and demonstrate how they have been used to solve customer project issues.



Hardware Basics

Discover the basics of our products here. Learn about hinge and stay mechanisms, as well as the differences between various product types.



Official Sugatsune Global Channel

/@SugatsuneGlobal

Videos explain product characteristics and installation methods. Watching the product in action promotes deeper understanding.









G

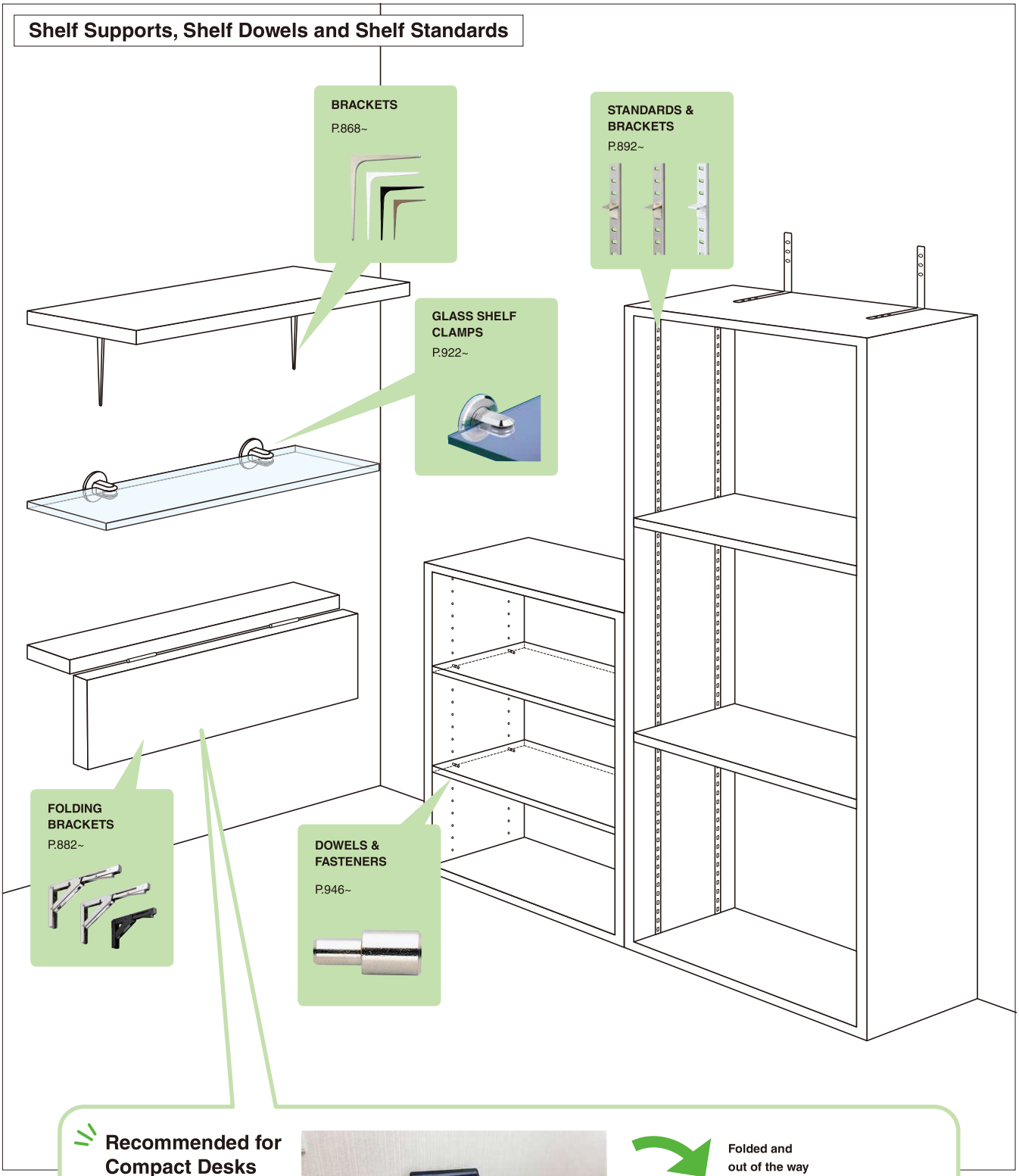
BRACKETS & SHELVING SYSTEMS

These components are used to install shelf plates on walls and furniture. The lineup includes shelf supports and standards that can bear high loads, as well as a wide selection of angles, dowels, and wall storage systems to suit various furniture designs and space applications.

Selection Guide for Brackets & Shelving Systems

Select by Application

Shelf Supports, Shelf Dowels and Shelf Standards



Recommended for Compact Desks



Folded and out of the way

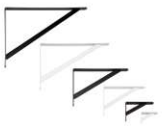


Feature

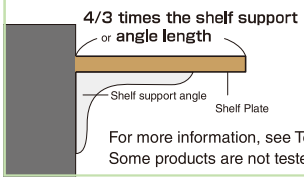
FOLDING BRACKETS
▶ P.882~

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Selecting Shelf Supports, Angles and Brackets

Depth of Support (Here)	Load Capacity kgf	Product Name	Listing Page
100 200 300 400 500 (mm) 115 195 295 395 495 595	50-100kgf /pc	 DFBK-E NEW	P.870
300 350 400 450 500	50kgf /pc	 BY SUS	P.871
69 100 148.5 199 238.5 318 400	15-82.5kgf /pc	 BT, BTK SUS	P.868
199 238.5 318	12-25kgf /pc	 BTK-UB Compact type	P.869
120 150 180 240	12-23kgf /pc	 XL-SA01 SUS	P.874
70 90 120 150 180	9-24kgf /pc	 SU-A SUS	P.875
65 50 80	18-24kgf /pc	 SU-B SUS	P.875
55 40 80	8-14kgf /pc	 SV SUS	P.876
45 30 60	4-6kgf /pc	 SU SUS	P.874

Approx. shelf depth



For more information, see Test 6 (P.1364).
Some products are not tested.

Other

Stainless steel shelf support angles SSA NEW



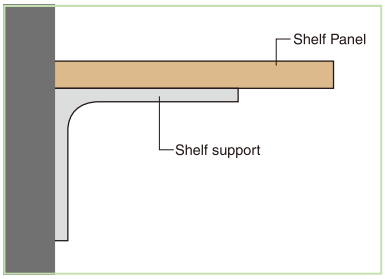
P.877

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

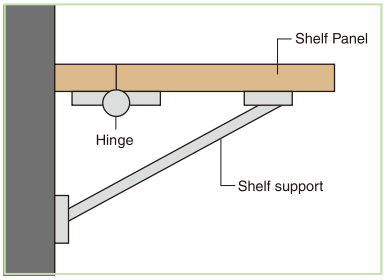
Selecting Folding Shelf Supports

Hinges Not Required



Load Capacity kgf	Depth of Support (Here) 100 200 300 400 500 (mm)	Product Name	Listing Page
50-110kgf /pc	307, 318.5	 EB-DA NEW SUS Soft close	P.884
50-110kgf /pc	201, 307, 318.5	 EB SUS	P.882
50kgf /pc	307	 EB-F NEW SUS	P.886
33-40kgf /pc	181, 240	 BOS-180, BOS-240 SUS	P.890
20.4kgf /pc	241, 320	 BTO SUS	P.890

Hinges Required



*Recommended shelf depth. See product page for more information.

Load Capacity kgf	Depth of Support (Here) 100 200 300 400 500 (mm)	Product Name	Listing Page
31-36kgf /pc	302-599*	 388-D NEW Soft close Special hinge 388H P.889	P.888
25-36kgf /pc	211-599*	 388 Special hinge 388H P.889	P.889
3kgf /pc	Max. 550*	 GTS-300 SUS	P.891

Raised Counter Bracket



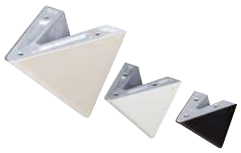




P.878~

Triangle Bracket





P.872~



Selecting Glass Shelf Supports

Maximum Glass Depth (Here) 200 – 400 (mm)	Glass Thickness 4 6 8 10(mm)	Load Capacity kgf	Product Name	Listing Page
120 180 240	8 10	–	 ZL-2201 SUS	P.924
Max. 240 mm	8 10	–	 ZL-2203 SUS	P.925
Max. 160 mm	8 10	–	 ZL-2202 SUS	P.925

Mirror Supports

ZL-3102-40





P.923

ZL-3101-200





P.923

Shelving Systems

▶ P.926~



Unit Shelf XLA-US02 P.927~



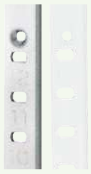
Shelf support system with adjustment P.934~



Wall system hooks P.940~

Selecting Shelf Standards

Load capacity is per shelf (using 4 shelf supports).

Load capacity kgf/4 supports	Selecting Shelf Standards: Features	Thickness	Length	End Cap	Selecting Shelf Supports	For Plasterboard Parts
150	**SPHL-1820** SUS ▶ P.894  Plate thickness 1.2 mm! Resistant to deformation under load!	8mm	1820mm	SPHL-23E 	**SPHL-25**  Shelf support caps and covers **Not used** Compact and clean design!	**SPHL-30**  Shelf support caps and covers **Included** Covered and non-slip! Suitable for glass shelves	
130	**SPH** SUS ▶ P.897  Resistant to deformation under load!	5mm	1820mm 2524mm	SP-18E  SPW-EC20 	**SPH-15**  Shelf support caps and covers **Not used** Compact and clean design! **SPH-5**  Shelf support caps and covers **Included** Suitable for glass shelves with cover and shelf holder!	**SPH-20**  Shelf support caps and covers **Included** Covered and non-slip! Suitable for glass shelves	
100	**SP / SPS** SUS ▶ P.899  Multi-model with the largest number of compatible shelf supports!	5mm	455mm · 2600mm	SP-18E  SPW-EC20 	**SPB-15R**  Shelf support caps and covers **Included** Covered and non-slip! Suitable for glass shelves		**SP-SK** NEW  **Shelf standard fixing parts** Can be fitted to 9.5 mm and 12.5 mm thick plasterboard **SK-JIG10-GN** NEW  **Plaster pin mounting tool**
90	**SM** SUS ▶ P.905  Includes a cover hiding the back of the mounting holes in the shelf support.	5mm	1820mm 2600mm	SP-18E  SPW-EC20 	**SMB-15R**  Shelf support caps and covers **Included** Covered and non-slip!		
80	**SP / SPS** SUS ▶ P.899  The multi-model has the largest number of compatible shelf supports!	5mm	455mm · 2600mm	SP-18E  SPW-EC20 	**SPF-20**  Shelf support caps and covers **Not used** Low profile and space-saving! **SPF-20LC**  Shelf support caps and covers **Included** Covered and non-slip! Suitable for glass shelves + 2 mm height adjustment	**SP-SK** NEW  **Shelf standard fixing parts** Can be fitted to 9.5 mm and 12.5 mm thick plasterboard **SK-JIG10-GN** NEW  **Plaster pin mounting tool**
	SPN-1820 SUS ▶ P.907  8 mm wide ultra slim body!	5mm	1820mm	SPN-17EC 	**SPN-15**  Shelf support caps and covers **Sold separately** +SPN-15C Slim body to match the shelf standards! Optional caps are available to hold more securely in place.		
	SPW-1820 SUS ▶ P.908  Design features: mounting holes of the shelf support are not visible, and the cover can be used to hide the mounting screws.	5mm	1820mm	SPW-EC20  SP-18E 	**SPW-20**  Shelf support caps and covers **Included** Difficult to dislodge due to vibration, etc.		

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Load capacity is per shelf (using 4 shelf supports).

Load capacity kgf/4 supports	Selecting Shelf Standards				Selecting Shelf Supports	For Plasterboard Parts
	Features	Thickness	Length	End Cap		
80	**SPE** SUS ▶ P.909 3 mm thick. Low-profile! Our recommendation for surface mount!	3mm	1820mm 2620mm	AP-EC20	SPE-FB20S Shelf support caps and covers Sold separately Low profile and space-saving! Shelf standard fixing parts	AP-SK NEW for glass shelves with covers SK-JIG10-GN NEW Plaster pin mounting tool
60	**SM** SUS ▶ P.905 Includes a cover hiding the back of the mounting holes in the shelf support.	5mm	1820mm 2600mm	SP-18E SPW-EC20	SPM-20B Shelf support caps and covers Not used Low profile and space-saving!	
45	**SP / SPS** SUS ▶ P.899 Multi-model with the largest number of compatible shelf supports!	5mm	455mm 2600mm	SP-18E SPW-EC20	SPB-20 Shelf support caps and covers Not used Difficult to dislodge due to vibration, etc.	SP-SK NEW Shelf standard fixing parts Can be fitted to 9.5 mm and 12.5 mm thick plasterboard SK-JIG10-GN NEW Plaster pin mounting tool
	AP-DM Surface mount specifications Aluminium ▶ P.911 Can be easily cut on site! Recommended for surface mounting with a low profile of 3 mm thickness!	3mm	1820mm 2600mm	AP-EC20	AP-FB20 Shelf support caps and covers Sold separately +AP-FC20 Low profile and space-saving! With caps, glass shelves	AP-SK NEW for glass shelves with covers SK-JIG10-GN NEW Plaster pin mounting tool
	also available in AP-DH Bore-specification Aluminium ▶ P.911 Can be easily cut on site! No screw fixing required as push-in type. Perfectly recessed!	1mm (Excluding bored parts)	1820mm 2600mm	AP-EC20		
30	▶ P.893 –	–	–	–	SPB-17R Shelf support caps and covers Included For shelf standards with a mounting pitch of 17 mm only.	

Shelf standard storage system
P.918~921

Anti-slide Aluminium Shelf Standard

AP-DML P.912 NEW

AP-DMN P.912 NEW

Shelf Retainer

SP-FE30-LGR P.916 NEW

AP-FE40-LGR P.916 NEW

Shelf Anchor

SP-FF10-LGR P.916 NEW

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Selecting Shelf Dowels

Load Capacity kgf/4 pcs.	Mounting Hole Size (mm)	Product Name	Listing Page
45kgf	ϕ12	 **SS-322**	P.946
40kgf	ϕ5.0	 **SS-323**	
30kgf	ϕ10	 **SS-318**	P.947
	ϕ5.0	 **SS-324**	P.946
25kgf	M4	 **SS-309**	P.947
25kgf 20kgf	ϕ5.0	 **SS-312**	P.948
20kgf	ϕ8.0	 **SS-319**	P.947
	ϕ5.0	 **SS-313**	P.948
	ϕ8.0	 **SS-108**	P.949
	ϕ10	 **SS-321** One-touch detachable	
	-	 **SS-311**	P.948
15kgf	ϕ5.0	 **SS-310**	P.949
10kgf	ϕ8.0	 **SS-320** One-touch detachable	P.950

Fastening and Coupling Fittings

Knockdown hardware For furniture assembly!

SHELF CLAMP KD / SC
Suitable for small furniture with a bore hole diameter of ϕ25.
P.950 - 952


KD-703

Adaptor products

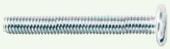

KD-601


KD-622-155


KD-681-70


KD-752

CONNECTOR SYSTEM
Small hole diameter. Compact.
P.954


CS-401


CS-465

STAINLESS STEEL COUNTERSUNK WASHER /CAP
These are washers that allow countersunk screws to be used without countersunk hole machining, with caps that conceal the washers and screw heads.
P.956


SETUP


CS-492

Other Fastening Parts
P.957


CF-203


CF-215


CF-235


CF-237

Hole Plug Cap For a clean look!

MULTI-PURPOSE CAP
Caps to plug unused machined holes.
P.958


KD-771-65

Drop Bracket

Clip
For wood surface mount use.
P.959 - 960


4063A


5063


Shoulder screw

Bed Hardware
P.961


BF-842S

Others


ADJUSTABLE MOUNT
FSL-V36
P.964


MONITOR BRACKET
KA-T100S50
P.966

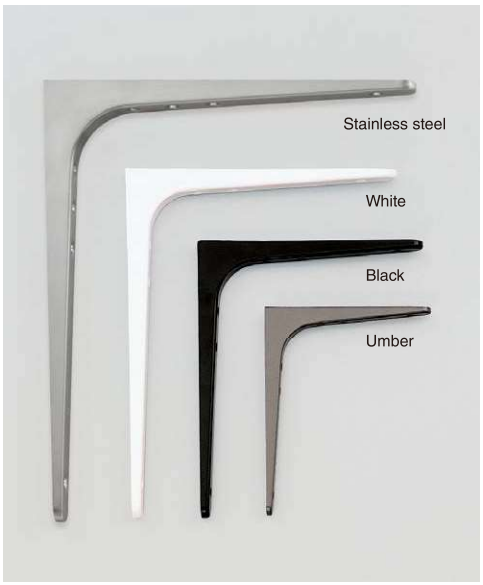

MONITOR ARM
KA-T100S50-W/P
NEW P.968

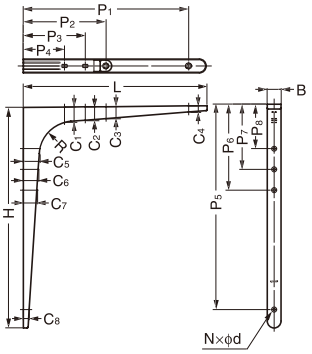

ROTATION BRACKET
KA-T100S50-PMT
NEW P.970


MONITOR ARM
KA-TLG
NEW P.971

LAMP BRACKET BT, BTK

BT BTK



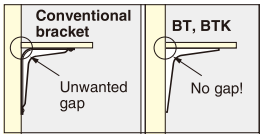


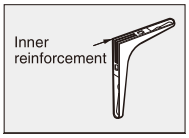
- Fits corners exactly without leaving any open space. Back portion is reinforced with a plate.
- Useful for reinforcing corners and connecting.
- Available in stainless steel (satin finish) and steel (white, black or umber finishes).

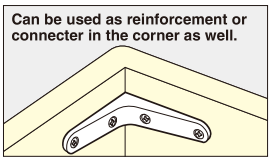
TEST METHOD 6 | SUS | SCREW

Parts Included

- Countersunk head wood screw







	Material	Finish	Screw
BT (Satin)	Stainless Steel (SUS304)	Satin	Stainless Steel
BTK (White)	Steel (SECC)	White	White
BTK (Black)	Steel (SECC)	Black	Black
BTK (Umber)	Steel (SECC)	Umber	Umber

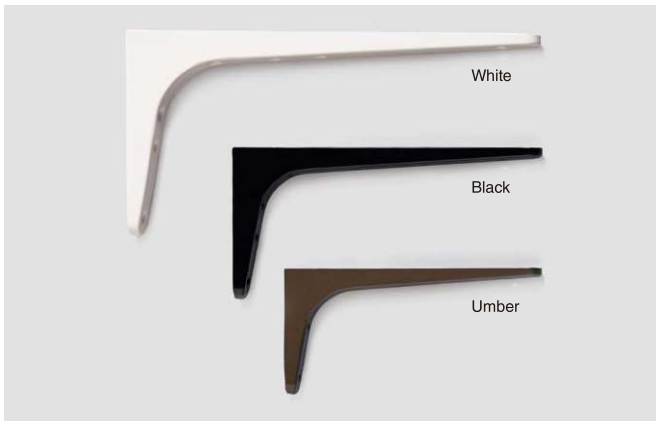
Item Code	Item Name	Finish/Colour	H	L	B	P_1	P_2	P_3	P_4	P_5	P_6	P_7	P_8	Load Capacity		Box	Carton
120-030-078	BT-85	Satin	86	69	15	58	27	–	–	75	26	–	–	147 N/pc	15 kgf/pc	20 pcs	240 pcs
120-030-093	BTK-85W	White	86	69	15	58	27	–	–	75	26	–	–	147 N/pc	15 kgf/pc	20 pcs	240 pcs
120-030-172	BTK-85B	Black	86	69	15	58	27	–	–	75	26	–	–	147 N/pc	15 kgf/pc	20 pcs	240 pcs
120-030-189	BTK-85UM	Umber	86	69	15	58	27	–	–	75	26	–	–	147 N/pc	15 kgf/pc	20 pcs	240 pcs
120-030-079	BT-120	Satin	120	100	15	85	43	–	–	106	42	–	–	196 N/pc	20 kgf/pc	20 pcs	100 pcs
120-030-094	BTK-120W	White	120	100	15	85	43	–	–	106	42	–	–	196 N/pc	20 kgf/pc	20 pcs	100 pcs
120-030-173	BTK-120B	Black	120	100	15	85	43	–	–	106	42	–	–	196 N/pc	20 kgf/pc	20 pcs	100 pcs
120-030-190	BTK-120UM	Umber	120	100	15	85	43	–	–	106	42	–	–	196 N/pc	20 kgf/pc	20 pcs	100 pcs
120-030-080	BT-180	Satin	180.5	148.5	15	131	71	50	–	162.5	72.5	51.5	–	245 N/pc	25 kgf/pc	20 pcs	–
120-030-095	BTK-180W	White	180.5	148.5	15	131	71	50	–	162.5	72.5	51.5	–	245 N/pc	25 kgf/pc	20 pcs	–
120-030-174	BTK-180B	Black	180.5	148.5	15	131	71	50	–	162.5	72.5	51.5	–	245 N/pc	25 kgf/pc	20 pcs	–
120-030-191	BTK-180UM	Umber	180.5	148.5	15	131	71	50	–	162.5	72.5	51.5	–	245 N/pc	25 kgf/pc	20 pcs	–
120-030-081	BT-240	Satin	240	199	18	176	91	59	–	217	92	60	–	274.4 N/pc	28 kgf/pc	10 pcs	–
120-030-096	BTK-240W	White	240	199	18	176	91	59	–	217	92	60	–	274.4 N/pc	28 kgf/pc	10 pcs	–
120-030-175	BTK-240B	Black	240	199	18	176	91	59	–	217	92	60	–	274.4 N/pc	28 kgf/pc	10 pcs	–
120-030-192	BTK-240UM	Umber	240	199	18	176	91	59	–	217	92	60	–	274.4 N/pc	28 kgf/pc	10 pcs	–
120-030-082	BT-300	Satin	301	238.5	20	206.5	92.5	60.5	–	269	95	63	–	343 N/pc	35 kgf/pc	10 pcs	–
120-030-097	BTK-300W	White	301	238.5	20	206.5	92.5	60.5	–	269	95	63	–	343 N/pc	35 kgf/pc	10 pcs	–
120-030-176	BTK-300B	Black	301	238.5	20	206.5	92.5	60.5	–	269	95	63	–	343 N/pc	35 kgf/pc	10 pcs	–
120-030-193	BTK-300UM	Umber	301	238.5	20	206.5	92.5	60.5	–	269	95	63	–	343 N/pc	35 kgf/pc	10 pcs	–
120-030-083	BT-380	Satin	378	318	23	285	145	110	75	345	145	110	75	637 N/pc	65 kgf/pc	10 pcs	40 pcs
120-030-085	BTK-380W	White	378	318	23	285	145	110	75	345	145	110	75	637 N/pc	65 kgf/pc	10 pcs	40 pcs
120-030-177	BTK-380B	Black	378	318	23	285	145	110	75	345	145	110	75	637 N/pc	65 kgf/pc	10 pcs	40 pcs
120-030-194	BTK-380UM	Umber	378	318	23	285	145	110	75	345	145	110	75	637 N/pc	65 kgf/pc	10 pcs	40 pcs
120-030-155	BT-480	Satin	480	400	30	360	180	135	90	440	180	135	90	808.5 N/pc	82.5 kgf/pc	6 pcs	–
120-030-156	BTK-480W	White	480	400	30	360	180	135	90	440	180	135	90	808.5 N/pc	82.5 kgf/pc	6 pcs	–
120-030-178	BTK-480B	Black	480	400	30	360	180	135	90	440	180	135	90	808.5 N/pc	82.5 kgf/pc	6 pcs	–
120-030-195	BTK-480UM	Umber	480	400	30	360	180	135	90	440	180	135	90	808.5 N/pc	82.5 kgf/pc	6 pcs	–

Item Name	d	Holes N	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	R	Screw (Countersunk Head Wood Screw)	Weight
BT-85	4	4	–	–	(9)	(5)	–	–	(12)	(5)	(25)	3.5×16 (3 pcs), 3.5×25 (1 pc)	46 g
BTK-85	4	4	–	–	(9)	(5)	–	–	(12)	(5)	(25)	3.5×16 (3 pcs), 3.5×25 (1 pc)	46 g
BT-120	4	4	–	–	(10)	(5)	–	–	(13)	(5)	(25)	3.5×16 (3 pcs), 3.5×25 (1 pc)	65 g
BTK-120	4	4	–	–	(10)	(5)	–	–	(13)	(5)	(25)	3.5×16 (3 pcs), 3.5×25 (1 pc)	65 g
BT-180	4	6	–	(14)	(12)	(5)	–	(15)	(13)	(5)	(30)	3.5×16 (2 pcs), 3.5×20 (1 pc), 3.5×25 (1 pc), 3.8×32 (2 pcs)	124 g
BTK-180	4	6	–	(14)	(12)	(5)	–	(15)	(13)	(5)	(30)	3.5×16 (2 pcs), 3.5×20 (1 pc), 3.5×25 (1 pc), 3.8×32 (2 pcs)	124 g
BT-240	4	6	–	(16)	(13)	(8)	–	(16)	(14)	(7.5)	(35)	3.5×16 (2 pcs), 3.5×20 (1 pc), 3.5×25 (1 pc), 3.8×32 (2 pcs)	237 g
BTK-240	4	6	–	(16)	(13)	(8)	–	(16)	(14)	(7.5)	(35)	3.5×16 (2 pcs), 3.5×20 (1 pc), 3.5×25 (1 pc), 3.8×32 (2 pcs)	237 g
BT-300	4	6	–	(19.5)	(17)	(8)	–	(19)	(17.5)	(9)	(35)	3.5×16 (1 pc), 3.5×25 (2 pcs), 3.5×32 (1 pc), 3.8×38 (2 pcs)	323 g
BTK-300	4	6	–	(19.5)	(17)	(8)	–	(19)	(17.5)	(9)	(35)	3.5×16 (1 pc), 3.5×25 (2 pcs), 3.5×32 (1 pc), 3.8×38 (2 pcs)	323 g
BT-380	5	8	(22.5)	(20)	(18)	(8.5)	(25)	(20)	(18)	(10)	(50)	3.5×20 (1 pc), 3.8×32 (3 pcs), 4.5×25 (1 pc), 4.5×38 (2 pcs), 4.5×45 (1 pc)	519 g
BTK-380	5	8	(22.5)	(20)	(18)	(8.5)	(25)	(20)	(18)	(10)	(50)	3.5×20 (1 pc), 3.8×32 (3 pcs), 4.5×25 (1 pc), 4.5×38 (2 pcs), 4.5×45 (1 pc)	519 g
BT-480	5.5	8	(35)	(30)	(27)	(14)	(37)	(33)	(30)	(13)	(70)	5×30 (2 pcs), 5×40 (2 pcs), 5×50 (3 pcs), 5×60 (1 pc)	1230 g
BTK-480	5.5	8	(35)	(30)	(27)	(14)	(37)	(33)	(30)	(13)	(70)	5×30 (2 pcs), 5×40 (2 pcs), 5×50 (3 pcs), 5×60 (1 pc)	1230 g

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP BRACKET (COMPACT TYPE) BTK-UB

Latest Info



- Height is less than half of that of BTK type. Compact design with short mounting bracket.
- Maximises space under the shelf.
- Strong and safe design.
- Perfectly fits at the corner.

TEST METHOD 6

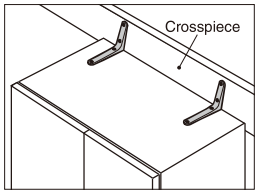
Remarks

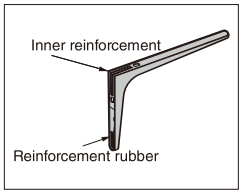
- To prevent inclination due to the load when using as a shelf bracket, the opening angle is slightly more than 90°. Please check with actual item.
- Make sure that the screws are tightened into the core of the plasterboard material.

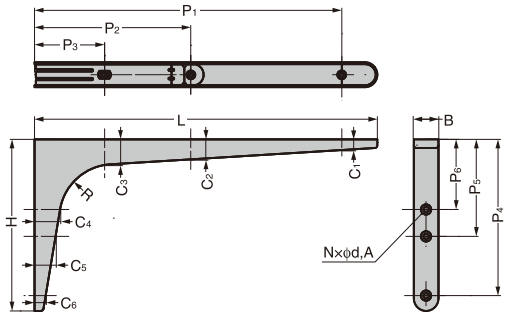
Parts Included

- Raised countersunk head wood screw

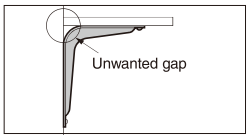
For Fall Prevention



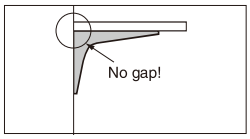


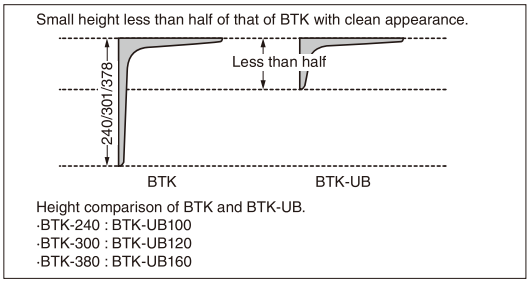


Conventional bracket



BTK-UB





Height comparison of BTK and BTK-UB.
·BTK-240 : BTK-UB100
·BTK-300 : BTK-UB120
·BTK-380 : BTK-UB160

Part Name	Material	Finish / Colour	Countersunk Head Wood Screw (Head Only)
BTK-UB (White)	Steel	White Powder Coating	White Enamel Finish
BTK-UB (Black)		Black Powder Coating	Black Enamel Finish
BTK-UB (Umber)		Umber Enamel Finish	
Reinforcement Rubber	Rubber (EPM)	–	

Body

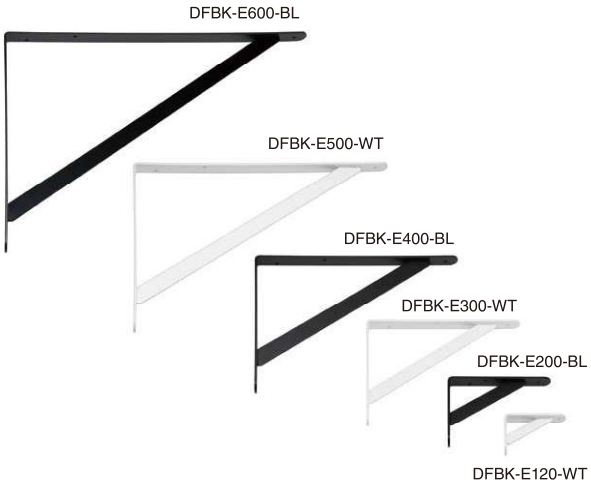
Item Code	Item Name	Colour	H	L	B	P1	P2	P3	P4	P5	P6	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
120-033-596	BTK-UB100W	White	99.5	199	18	176	91	45	85	45	–	117.6	12	171	10	–
120-033-597	BTK-UB100B	Black													10	–
120-033-598	BTK-UB100UM	Umber													10	–
120-033-599	BTK-UB120W	White	119.5	238.5	20	206.5	92.5		105.5	71.5	45	196	20	232	10	–
120-033-600	BTK-UB120B	Black													10	–
120-033-601	BTK-UB120UM	Umber													10	–
120-033-602	BTK-UB160W	White	159	318	23	285	145	65	145	91	65	245	25	382	10	–
120-033-603	BTK-UB160B	Black													10	–
120-033-604	BTK-UB160UM	Umber													10	–

Item Name	d	Holes N	Weight (g)	A	C1	C2	C3	C4	C5	C6	R	Screw (Countersunk Head Wood Screw)
BTK-UB100	4	5	170	8	(7)	(14)	(19)	(12)	–	(10)	(35)	3.5×16 (1 pc) 3.5×25 (1 pc) 3.8×32 (2 pcs) 3.8×38 (1 pc)
BTK-UB120		6	230		(8)	(16)	(21)	(21.5)	(18)			3.5×16 (1 pc) 3.5×25 (1 pc) 3.5×32 (2 pcs) 3.5×38 (1 pc) 3.5×45 (1 pc)
BTK-UB160	5		380	10	(9)	(19.5)	(24.5)	(25)	(22)		(52)	3.5×20 (1 pc) 3.8×32 (1 pc) 3.8×38 (1 pc) 4.5×25 (1 pc) 4.5×45 (2 pcs)

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

BRACKET DFBK-E Heavy Duty NEW

Latest Info



- The shelf support is designed to withstand heavy objects. It is also recommended for use with large shelves.
- The heads of the included screws match the colour of the shelf support.

TEST METHOD 6 | SCREW

Parts Included

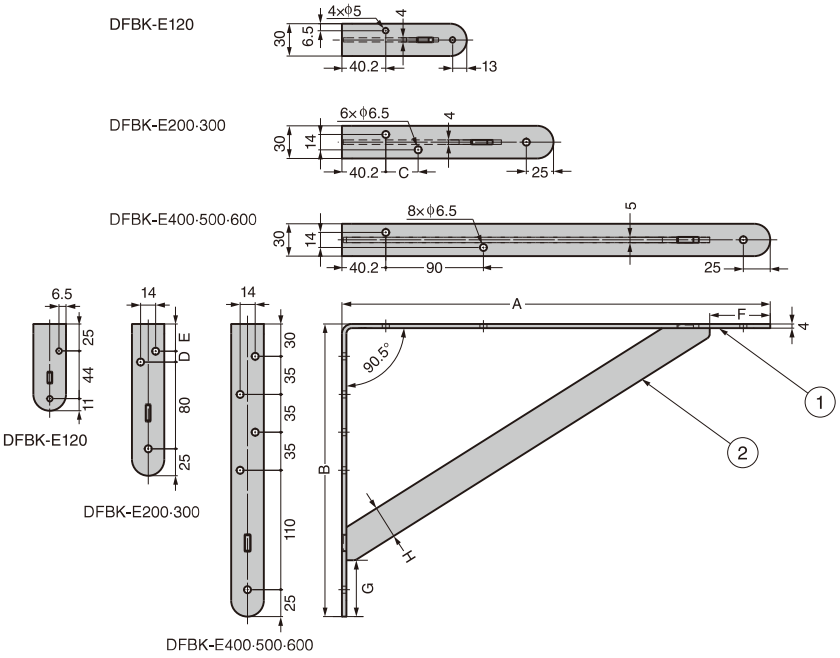
- Truss head tapping screw 4×30

Remarks

- Firmly fix the shelf support to a location with sufficient strength.
- To prevent tilting under load, the angle is slightly more than 90°. Please verify with the actual product.



The mounting holes are intentionally positioned off-centre for easy installation.



No.	Part Name	Material	Finish
①	Body	Steel	Powder Coating
②	Reinforcement plate		

Item Code	Item Name	Colour	A	B	C	D	E	F	G	H	Load Capacity N/1 pc	Load Capacity kgf/1 pc	Weight (g)	Box (pcs)
120-050-740	DFBK-E120-WT	White	115	80	–	–	–	26	20	20	490	50	216	10 pcs
120-050-741	DFBK-E120-BL	Matte Black												10 pcs
120-050-742	DFBK-E200-WT	White	195	140	30	10	25	48	44	25	883	90	404	10 pcs
120-050-743	DFBK-E200-BL	Matte Black												10 pcs
120-050-744	DFBK-E300-WT	White	295	210	90	20	30						660	10 pcs
120-050-745	DFBK-E300-BL	Matte Black												10 pcs
120-050-746	DFBK-E400-WT	White	395	270	–	–	–	56	52	30			1030	10 pcs
120-050-747	DFBK-E400-BL	Matte Black												10 pcs
120-050-748	DFBK-E500-WT	White	495	330							981	100	1320	4 pcs
120-050-749	DFBK-E500-BL	Matte Black												4 pcs
120-050-750	DFBK-E600-WT	White	595	420									1650	4 pcs
120-050-751	DFBK-E600-BL	Matte Black												4 pcs

Item Name	No. of mounting holes	Screw
DFBK-E120	4	4x20 (2pcs), 4×35 (2pcs)
DFBK-E200	6	5×20 (3pcs), 5×35 (3pcs)
DFBK-E300		
DFBK-E400	8	5×20 (3pcs), 5×35 (5pcs)
DFBK-E500		
DFBK-E600		

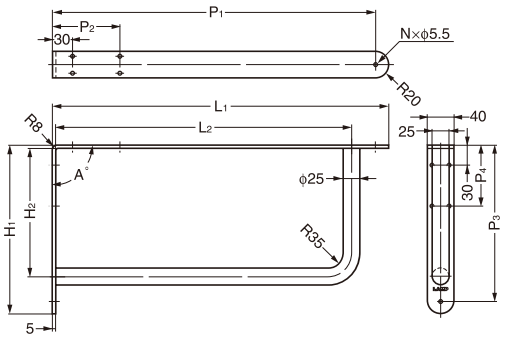
The heads of the included screws match the colour of the shelf support.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP BRACKET BY

Latest Info





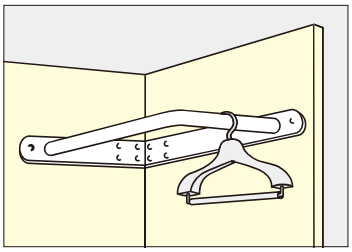
- Has two different types depending on use. 91° type with mirror finish is used to support shelves. 90° type with satin finish is used for corner reinforcement.

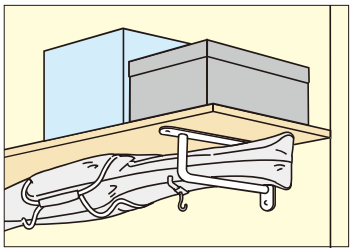
TEST METHOD 6 | SUS | SCREW

Parts Included

- Truss head tapping screw (SUS)

Application Examples





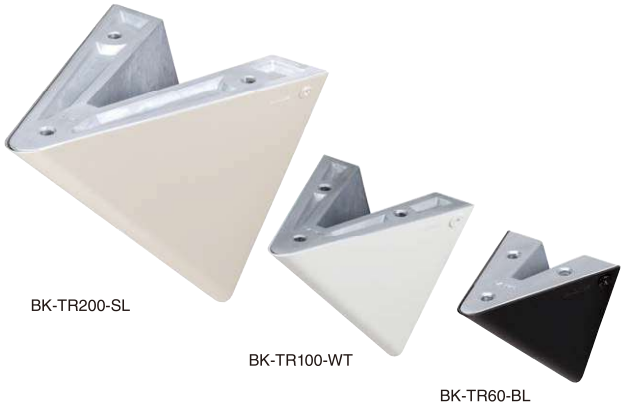
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-039-292	BY-300	Stainless Steel (SUS304)	Mirror	490 N/pc	50 kgf/pc	1100 g	2 pcs	6 pcs
120-030-408	BY-350	Stainless Steel (SUS304)	Satin	490 N/pc	50 kgf/pc	1160 g	2 pcs	6 pcs
120-039-293	BY-400	Stainless Steel (SUS304)	Mirror	490 N/pc	50 kgf/pc	1440 g	2 pcs	6 pcs
120-030-409	BY-450	Stainless Steel (SUS304)	Satin	490 N/pc	50 kgf/pc	1520 g	2 pcs	6 pcs
120-039-294	BY-500	Stainless Steel (SUS304)	Mirror	490 N/pc	50 kgf/pc	1820 g	2 pcs	6 pcs

Item Name	H_1	H_2	L_1	L_2	P_1	P_2	P_3	P_4	A	Holes N	Screw
BY-300	150	90	300	240	280	100	130	–	91	8	5×25, 5×16
BY-350	175	120	350	295	330	110	155	70	90	10	5×25, 5×16
BY-400	200	140	400	340	380	120	180	90	91	10	5×25, 5×16
BY-450	225	170	450	395	430	140	205	90	90	10	5×25, 5×16
BY-500	250	190	500	440	480	160	230	90	91	10	5×25, 5×16

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TRIANGLE BRACKET BK-TR NEW

Latest Info



- A shelf bracket with a unique triangle design.
- Clean design without visible mounting.
- Cables can be wired through the inside of the bracket. (For the supported sizes, please see the wiring space diagram.)

INSTRUCTION SCREW

Application
- Shop counter, shelf bracket, kitchen counter, display shelf, etc.

Parts Included
- Mounting screws for fixing the base
- Mounting screws for fixing the cover (The screw heads have the same finish as the cover.)

Remarks
- When mounting the bracket to the top board and housing, use materials that can ensure high strength, and firmly tighten the fixing screws. Failure to meet the mounting conditions may cause the body to fall off.

Examples of Use

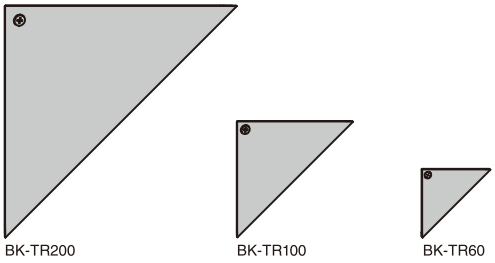


The distinctive design of the shelves gives them a more stylish appearance.

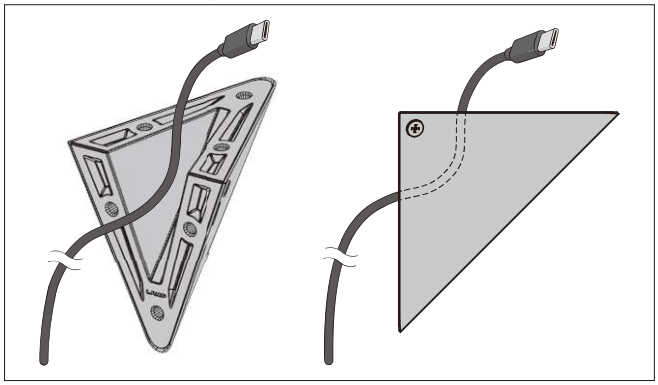


Not required to use in pairs. For single bracket application, use with a semicircle board is recommended.

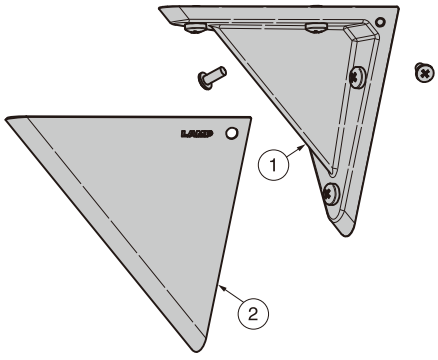
Size Comparison

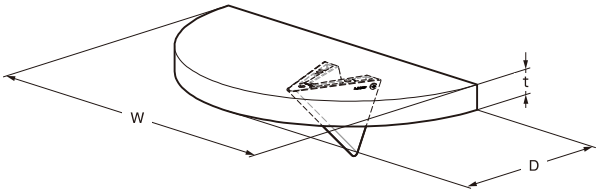


Example of Mounting



For a clean look, cables can be wired through the bracket.





No.	Part Name	Material	Finish
①	Base	Aluminium Alloy (ADC)	Plain
②	Cover	Steel (SGCC)	Acrylic Baked Enamel Paint

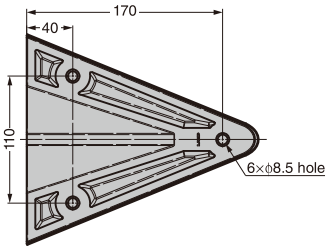
Semicircular Board Size (Single bracket application)

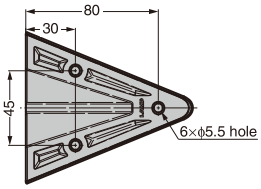
Item Name	BK-TR60	BK-TR100	BK-TR200
W/Max. width mm (Centre mounting)	300	400	800
D/Max. depth mm	150	200	400
t/Min. board thickness mm	20	30	30

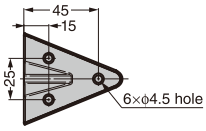
* Use a top board made of a strong material that can withstand the required load capacity.

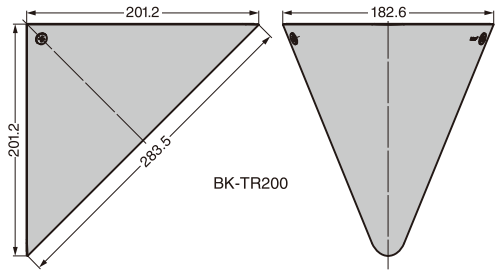
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

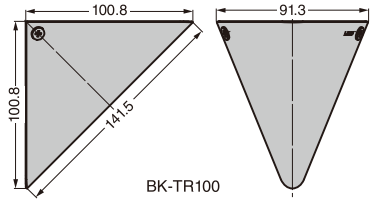
SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

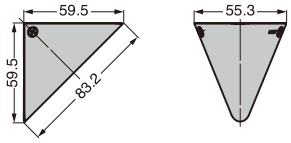








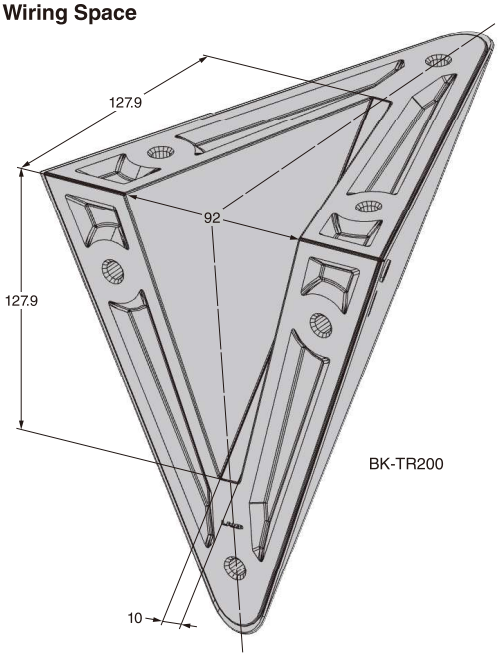


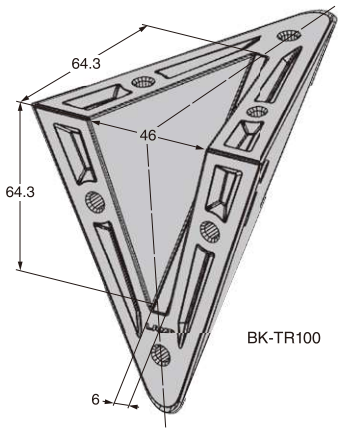


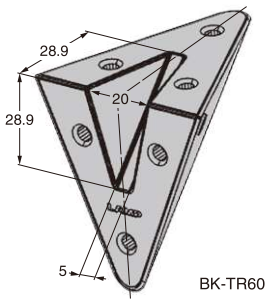
Item Name	Included Screw	
	For Fixing Base	For Fixing Cover*
BK-TR60-SL	Cross recessed pan head tapping screw 4×20 (6)	Cross recessed ultra thin head screw M3×6 (2)
BK-TR60-WT		
BK-TR60-BL		
BK-TR100-SL	Cross recessed pan head tapping screw 5×30 (6)	Cross recessed ultra thin head screw M4×10 (2)
BK-TR100-WT		
BK-TR100-BL		
BK-TR200-SL	Wall: Cross recessed pan head tapping screw 8×40 (3) Top board: Cross recessed pan head tapping screw 8×35 (3)	Cross recessed ultra thin head screw M5×12 (2)
BK-TR200-WT		
BK-TR200-BL		

* The heads of the cover fixing screws have the same finish as the cover.

Wiring Space







Item Code	Item Name	Finish/Colour	Load Capacity N/1pc *1	Load Capacity kgf/1pc *1	Weight (g)	Box (pcs)	Carton (pcs)
120-052-770	BK-TR60-SL	Stainless Steel	400	40.8	75	10	60
120-052-771	BK-TR60-WT	White				10	60
120-052-772	BK-TR60-BL	Black				10	60
120-052-773	BK-TR100-SL	Stainless Steel	800	81.6	240	4	24
120-052-774	BK-TR100-WT	White				4	24
120-052-775	BK-TR100-BL	Black				4	24
120-052-776	BK-TR200-SL	Stainless Steel	1000	102	1360	2	8
120-052-777	BK-TR200-WT	White				2	8
120-052-778	BK-TR200-BL	Black				2	8

*1 The load capacity values were measured when load is applied to the tip position of the product.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ANGLE BRACKET XL-SA01

Latest Info

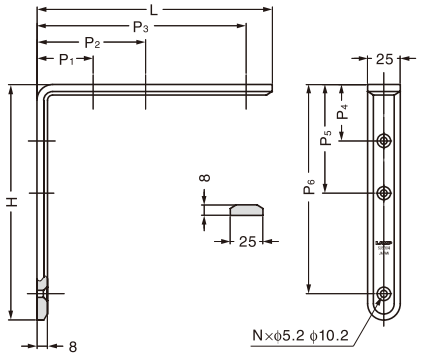


- Edges are chamfered and rounded for a safe and visually appealing design.
- Made out of rust resistant stainless steel and is recommended for use in bathrooms, kitchens, medical facilities, boats and offshore facilities.

TEST METHOD 6 | SUS | SCREW

Parts Included
- Raised countersunk head tapping screw 5×30 (SUS)





Item Code	Item Name	Material	Finish	L	H	P_1	P_2	P_3	P_4	P_5	P_6	Holes N	Load Capacity		Weight	Box	Carton
120-030-303	XL-SA01-120S	Stainless Steel (SUS304)	Satin	120	120	38	–	100	38	–	100	4	226 N/pc	23 kgf/pc	330 g	8 pcs	40 pcs
120-030-307	XL-SA01-120M	Stainless Steel (SUS304)	Mirror	120	120	38	–	100	38	–	100	4	226 N/pc	23 kgf/pc	330 g	8 pcs	40 pcs
120-030-304	XL-SA01-150S	Stainless Steel (SUS304)	Satin	150	150	43	–	130	43	–	130	4	177 N/pc	18 kgf/pc	420 g	6 pcs	30 pcs
120-030-308	XL-SA01-150M	Stainless Steel (SUS304)	Mirror	150	150	43	–	130	43	–	130	4	177 N/pc	18 kgf/pc	420 g	6 pcs	30 pcs
120-030-305	XL-SA01-180S	Stainless Steel (SUS304)	Satin	180	180	43	83	160	43	83	160	6	137 N/pc	14 kgf/pc	510 g	6 pcs	30 pcs
120-030-309	XL-SA01-180M	Stainless Steel (SUS304)	Mirror	180	180	43	83	160	43	83	160	6	137 N/pc	14 kgf/pc	510 g	6 pcs	30 pcs
120-030-306	XL-SA01-240S	Stainless Steel (SUS304)	Satin	240	240	43	83	220	43	83	220	6	118 N/pc	12 kgf/pc	690 g	4 pcs	20 pcs
120-030-310	XL-SA01-240M	Stainless Steel (SUS304)	Mirror	240	240	43	83	220	43	83	220	6	118 N/pc	12 kgf/pc	690 g	4 pcs	20 pcs

LAMP ANGLE BRACKET SU

Latest Info

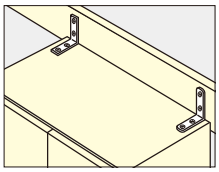


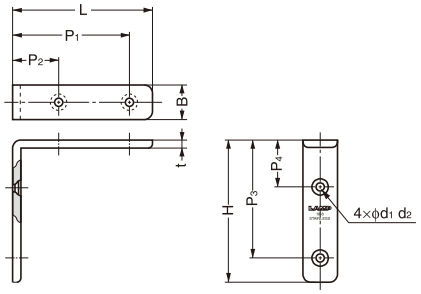
- Made out of rust resistant stainless steel and is recommended for use in bathrooms, kitchens, medical facilities, boats and offshore facilities.
- Edges are rounded for a safe design.

TEST METHOD 6 | SUS | SCREW

Parts Included
- Raised countersunk head screw (SUS)

Installation



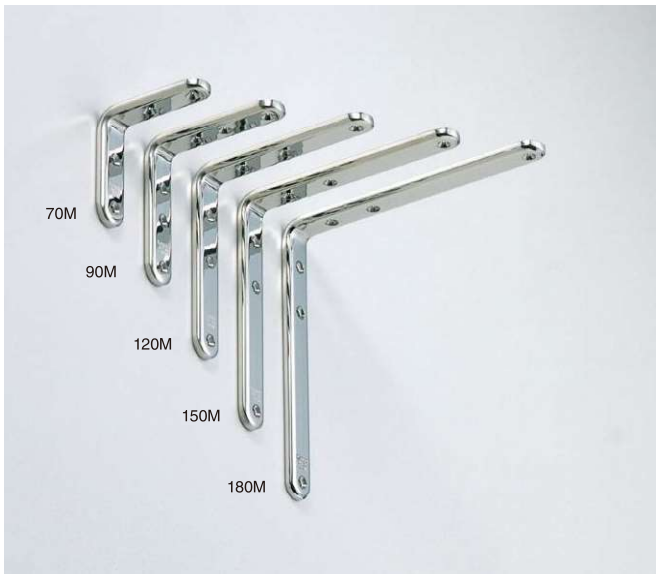


Item Code	Item Name	Material	Finish	L	B	H	P_1	P_2	P_3	P_4	t	d_1	d_2	Load Capacity		Screw	Weight	Box	Carton
120-030-070	SU-30S	Stainless Steel (SUS304)	Satin	30	12	30	24	11	24	11	2.5	3.5	6.5	59 N/pc	6 kgf/pc	3.1×20	15 g	60 pcs	960 pcs
120-030-065	SU-30M	Stainless Steel (SUS304)	Mirror	30	12	30	24	11	24	11	2.5	3.5	6.5	59 N/pc	6 kgf/pc	3.1×20	15 g	60 pcs	960 pcs
120-030-071	SU-45S	Stainless Steel (SUS304)	Satin	45	13	45	37	17	37	17	3	3.5	6.5	49 N/pc	5 kgf/pc	3.1×20	23 g	50 pcs	800 pcs
120-030-066	SU-45M	Stainless Steel (SUS304)	Mirror	45	13	45	37	17	37	17	3	3.5	6.5	49 N/pc	5 kgf/pc	3.1×20	23 g	50 pcs	800 pcs
120-030-072	SU-60S	Stainless Steel (SUS304)	Satin	60	15	60	50	20	50	20	3	4	7.5	39 N/pc	4 kgf/pc	3.5×20	43 g	40 pcs	640 pcs
120-030-067	SU-60M	Stainless Steel (SUS304)	Mirror	60	15	60	50	20	50	20	3	4	7.5	39 N/pc	4 kgf/pc	3.5×20	43 g	40 pcs	640 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ANGLE BRACKET SU-A

Latest Info

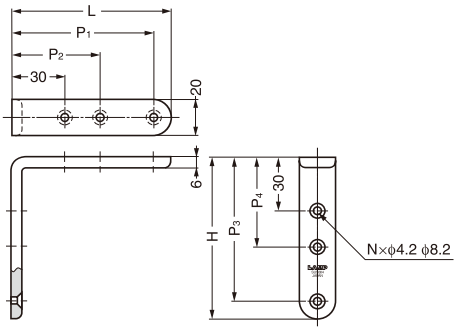


- Made out of rust resistant stainless steel and is recommended for use in bathrooms, kitchens, medical facilities, boats and offshore facilities.
- Edges are rounded for a safe design.
- Satin finish is also possible to manufacture.

TEST METHOD 6 | SUS | SCREW

Parts Included

- Raised countersunk head tapping screw 4×25 (SUS)



Item Code	Item Name	Material	Finish	H	L	P_1	P_2	P_3	P_4	Holes N	Load Capacity		Weight	Box	Carton
120-030-180	SU-A70M	Stainless Steel (SUS304)	Mirror	70	70	–	60	–	60	4	235 N/pc	24 kgf/pc	117 g	10 pcs	100 pcs
120-030-181	SU-A90M	Stainless Steel (SUS304)	Mirror	90	90	80	50	80	50	6	167 N/pc	17 kgf/pc	154 g	10 pcs	100 pcs
120-030-182	SU-A120M	Stainless Steel (SUS304)	Mirror	120	120	110	60	110	60	6	127 N/pc	13 kgf/pc	210 g	8 pcs	80 pcs
120-030-183	SU-A150M	Stainless Steel (SUS304)	Mirror	150	150	140	60	140	60	6	98 N/pc	10 kgf/pc	262 g	6 pcs	60 pcs
120-030-179	SU-A180M	Stainless Steel (SUS304)	Mirror	180	180	170	60	170	60	6	88 N/pc	9 kgf/pc	320 g	6 pcs	30 pcs

LAMP ANGLE BRACKET SU-B

Latest Info



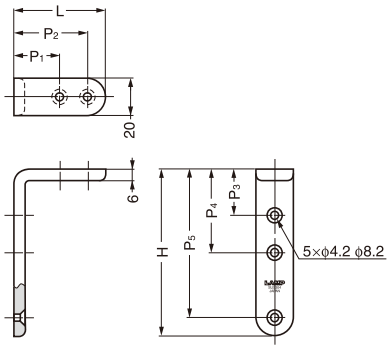
Photo shows the brackets used with the short side facing up (can be used with either side up).

- Made out of rust resistant stainless steel and is recommended for use in bathrooms, kitchens, medical facilities, boats and offshore facilities.
- Edges are rounded for a safe design.
- Satin finish is also possible to manufacture.

TEST METHOD 6 | SUS | SCREW

Parts Included

- Raised countersunk head tapping screw 4×25 (SUS)



* A: Short Side Up
* B: Long Side Up

Item Code	Item Name	Material	Finish	H	L	P_1	P_2	P_3	P_4	P_5	Load Capacity * A		Load Capacity * B		Weight	Box	Carton
120-030-184	SU-B50M	Stainless Steel (SUS304)	Mirror	90	50	25	40	25	45	80	235 N/pc	24 kgf/pc	127 N/pc	13 kgf/pc	120 g	10 pcs	100 pcs
120-030-185	SU-B65M		Mirror	120	65	30	55	30	60	110	235 N/pc	24 kgf/pc	127 N/pc	13 kgf/pc	157 g	10 pcs	100 pcs
120-030-186	SU-B80M		Mirror	150	80	30	70	30	60	140	177 N/pc	18 kgf/pc	98 N/pc	10 kgf/pc	206 g	8 pcs	80 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ANGLE BRACKET SV

Latest Info

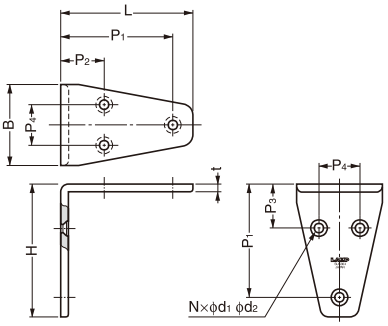


- Made out of rust resistant stainless steel and is recommended for use in bathrooms, kitchens, medical facilities, boats and offshore facilities.
- This bracket can be used for reinforcement in many different applications including to support panels for partitions.

TEST METHOD 6 | SUS | SCREW

Parts Included

- Countersunk head screw (SUS)



Item Code	Item Name	Material	Finish	L	H	P_1	P_2	P_3	P_4	B	t	d_1	d_2	Holes N	Load Capacity		Screw	Weight	Box	Carton
120-030-060	SV-40S	Stainless Steel (SUS304)	Satin	40	40	34	17	17	–	25	3	3.3	6.5	4	78.4 N/pc	8 kgf/pc	3.1×20	33 g	40 pcs	640 pcs
120-030-056	SV-40M	Stainless Steel (SUS304)	Mirror	40	40	34	17	17	–	25	3	3.3	6.5	4	78.4 N/pc	8 kgf/pc	3.1×20	33 g	40 pcs	640 pcs
120-030-061	SV-55S	Stainless Steel (SUS304)	Satin	55	55	47	18	18	17	36.5	3	3.8	7.5	6	78.4 N/pc	8 kgf/pc	3.1×20	65 g	20 pcs	320 pcs
120-030-057	SV-55M	Stainless Steel (SUS304)	Mirror	55	55	47	18	18	17	36.5	3	3.8	7.5	6	78.4 N/pc	8 kgf/pc	3.1×20	65 g	20 pcs	320 pcs
120-030-062	SV-80S	Stainless Steel (SUS304)	Satin	80	80	71	24	24	27	52	4	4.3	8.5	6	137.2 N/pc	14 kgf/pc	3.8×20	178 g	10 pcs	120 pcs
120-030-058	SV-80M	Stainless Steel (SUS304)	Mirror	80	80	71	24	24	27	52	4	4.3	8.5	6	137.2 N/pc	14 kgf/pc	3.8×20	178 g	10 pcs	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ANGLE BRACKET SSA Stainless Steel NEW

Latest Info



- W280, W380, and W480 are newly available.
- L-shaped for secure mounting of shelving.
- Bracket is designed to be concealed by the shelf for a clean appearance.
- The middle oval hole allows for vertical adjustment of ± 2 mm.

SUS | SCREW

Parts Included

- Countersunk head tapping screw 3.5×16 (stainless steel)
- Countersunk head tapping screw 3.5×12 (stainless steel)

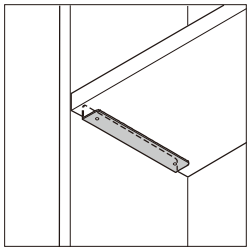
Sold Separately

- Screw for plasterboard countersunk head tapping screw 3.5×40 (stainless steel)

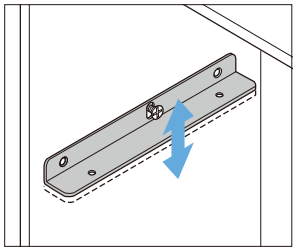
Remarks

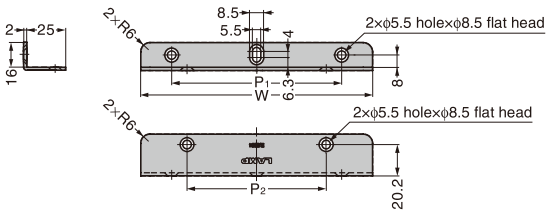
- Please mount to side panel. Back Panel mounting will likely result in shelf falling due to inability to sustain the load.
- Please fix securely to board with adequate load capacity.
- When installing to a plasterboard, please screw in the core material.
- The load capacity shown in the table below is the value when using 2 angle brackets for 1 shelf board.

Installation

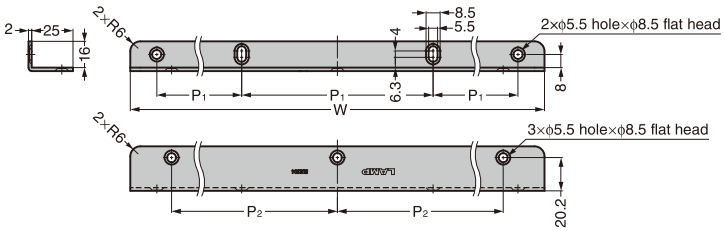


Vertically Adjustable





SSA-100H, 150H, 200H, 280H



SSA-380H, 480H

Bracket

Item Code	Item Name	Material	Finish	W	P_1	P_2	Load Capacity N	Load Capacity kgf	Box (pcs)	Carton (pcs)
120-027-253	SSA-100H	Stainless Steel (SUS304)	Satin	100	60	40	1470	150	30	240
120-027-254	SSA-150H			150	110	90			20	160
120-027-255	SSA-200H			200	160	130			15	120
120-053-495	SSA-280H			280	250	230			20	40
120-053-496	SSA-380H			380	116	165			30	–
120-053-497	SSA-480H			480	150	215			20	–

Screw for plasterboard Sold separately

Item Code	Item Name	Screw Type	Material	Quantity
120-027-279	SSA-SBS35-40	Countersunk head tapping screw Nominal diameter 3.5×40	Stainless Steel	3 pieces/pack

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP RAISED COUNTER BRACKET CTB Series



Allow for additional floating countertops, expanding your counter space.

Comes in two mounting options: top-mounted and wall-mounted.

Designed to allow cables to be put through. (Max. diameter: φ10.5)

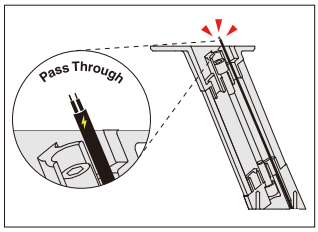
[Applications]
- Commercial reception counters, kitchens, serving bars, and more.

[Remarks]
- The length can be customized to your projects. Please contact us for more information.

[Colour Finishes]



[Wiring Cables]



Can be used with LED lights and electric appliances.

Retail Stores



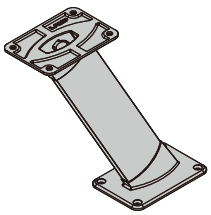
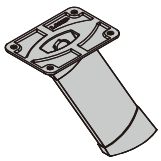
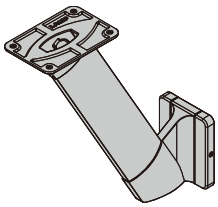
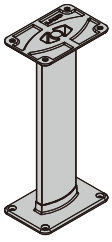
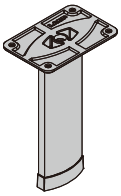
For creating multi-level display shelves

Restaurants & Cafes



For eating spaces

Series Lineup

	Countertop		Wall Mounting
Arm Angle	**Surface Mounting**	**Backside Mounting**	**Surface Mounting**
60°	 CTB65-PMS60-240(P.879)	 CTB65-PM60-170(P.879) CTB50-PM60-170 (Slim-type)(P.881)	 CTB65-VM60-300(P.881)
90°	 CTB65-PMS90-270(P.880)	 CTB65-PM90-200(P.880)	

Three finishes are available in each model.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP RAISED COUNTER BRACKET CTB65-PMS60-240 60°/Top-mounted/Front-screw NEW

Latest Info

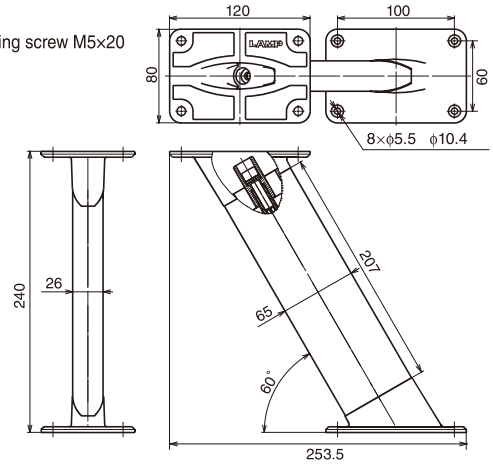


- Allows for additional floating countertops, expanding your counter space.
- Designed to allow cables to be put through. (Max. diameter: ϕ10.5)

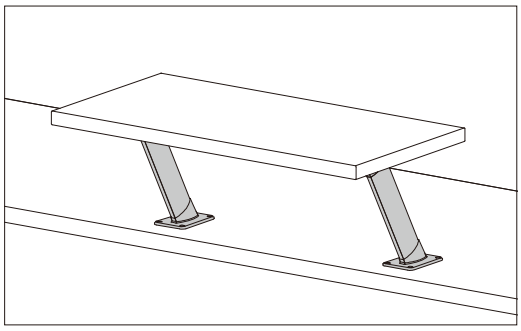
Applications
- Commercial reception counters, kitchens, serving bars, and more.

Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of countertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of a countertop overhung is 20 mm.
  Min. thickness of a countertop that will support an additional countertop is 30 mm.

Remarks
- Countersunk tapping screw M5×20



Installation



Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-041-442	CTB65-PMS60-240-SL	60°	Top-mounted	Front	Stainless Steel	Aluminium Alloy	600	61.2	570	1 pc	10 pcs
120-041-443	CTB65-PMS60-240-BL				Black					1 pc	10 pcs
120-041-444	CTB65-PMS60-240-WT				White					1 pc	10 pcs

LAMP RAISED COUNTER BRACKET CTB65-PM60-170 60°/Top-mounted/Back-screw NEW

Latest Info

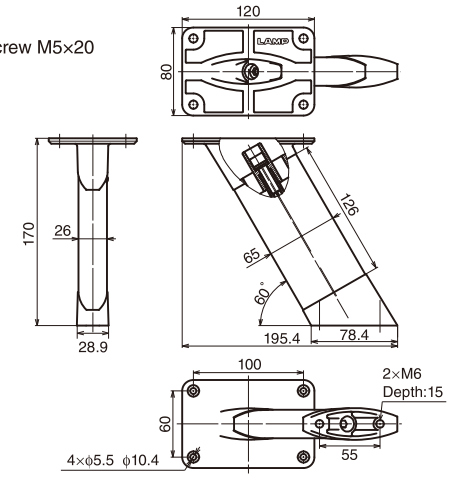


- Allows for additional floating countertops, expanding your counter space.
- Designed to allow cables to be put through. (Max. diameter: ϕ10.5)

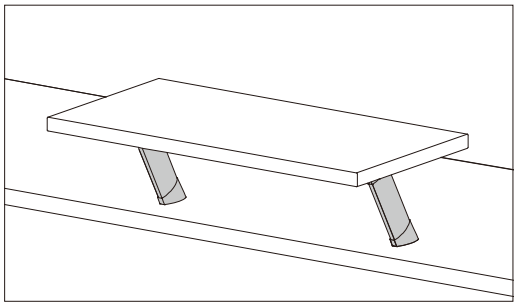
Applications
- Commercial reception counters, kitchens, serving bars, and more.

Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of coutertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of a countertop overhung is 20 mm.
  Min. thickness of a countertop that will support additional countertop is 30 mm.

Parts Included
- Countersunk tapping screw M5×20
- Hex head bolt M6×45
- Washer 6
- Spring washer 6



Installation



Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-041-433	CTB65-PM60-170-SL	60°	Top-mounted	Back	Stainless Steel	Aluminium Alloy	600	61.2	450	1 pc	10 pcs
120-041-434	CTB65-PM60-170-BL				Black					1 pc	10 pcs
120-041-435	CTB65-PM60-170-WT				White					1 pc	10 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP RAISED COUNTER BRACKET CTB65-PMS90-270 90°/Top-mounted/Front-screw NEW

Latest Info

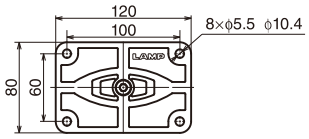


- Allows for additional floating countertops, expanding your countertop space.
- Designed to allow cables to be put through. (Max. diameter: ϕ10.5)

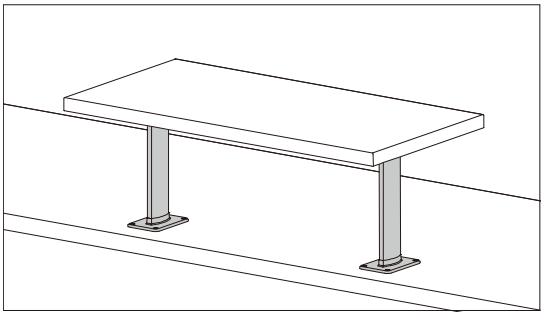
Applications
- Commercial reception counters, kitchens, serving bars, and more.

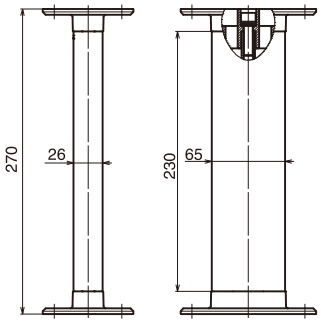
Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of countertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of both countertops is 20 mm.

Parts Included
- Countersunk tapping screw M5×20



Installation





Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-041-439	CTB65-PMS90-270-SL	90°	Top-mounted	Front	Stainless Steel	Aluminium Alloy	600	61.2	595	1 pc	10 pcs
120-041-440	CTB65-PMS90-270-BL				Black					1 pc	10 pcs
120-041-441	CTB65-PMS90-270-WT				White					1 pc	10 pcs

LAMP RAISED COUNTER BRACKET CTB65-PM90-200 90°/Top-mounted/Back-screw NEW

Latest Info

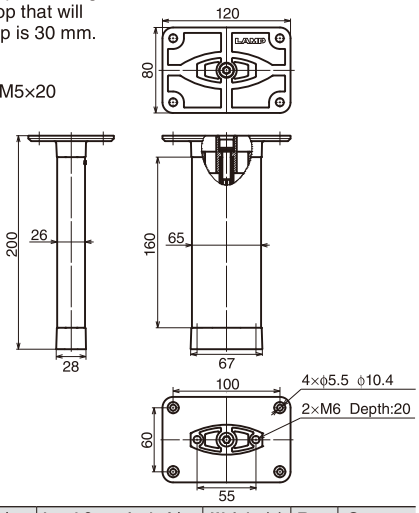


- Allows for additional floating countertops, expanding your countertop space.
- Designed to allow cables to be put through. (Max. diameter: ϕ10.5)

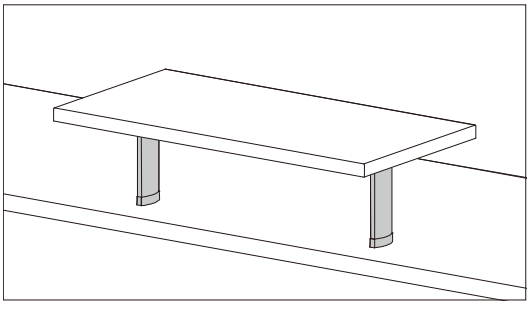
Applications
- Commercial reception counters, kitchens, serving bars, and more.

Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of countertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of a countertop overhung is 20 mm.
  Min. thickness of a countertop that will support additional countertop is 30 mm.

Parts Included
- Countersunk tapping screw M5×20
- Hexagon top bolt M6
- Washer 6
- Spring washer 6



Installation



Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-041-430	CTB65-PM90-200-SL	90°	Top-mounted	Back	Stainless Steel	Aluminium Alloy	600	61.2	423	1 pc	10 pcs
120-041-431	CTB65-PM90-200-BL				Black					1 pc	10 pcs
120-041-432	CTB65-PM90-200-WT				White					1 pc	10 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP RAISED COUNTER BRACKET CTB65-VM60-300 60°/Wall-mounted/Front-screw NEW

Latest Info

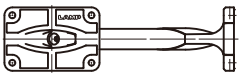


- Allows for additional floating countertops, expanding your countertop space.
- Designed to allow cables to be put through. (Max. diameter: ϕ10.5)

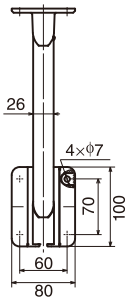
SCREW

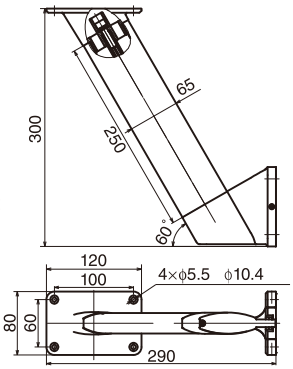
Applications
- Commercial reception counters, kitchens, serving bars, and more.

Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of countertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of a countertop overhung is 20 mm.
  Min. thickness of a countertop that will support an additional countertop is 30 mm.

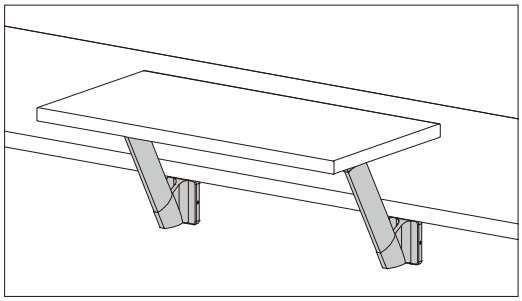


Parts Included
- Countersunk tapping screw M5×20
- Hexagon top bolt M6×40
- Hexagon cuntersunk bolt M3×8
- Hexagon socket button bolt M3×8
- Washer M3
- Hexagon wrench 3





Installation



Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-041-436	CTB65-VM60-300-SL	60°	Wall-mounted	Front	Stainless Steel	Aluminium Alloy	600	61.2	930	1 pc	10 pcs
120-041-437	CTB65-VM60-300-BL				Black					1 pc	10 pcs
120-041-438	CTB65-VM60-300-WT				White					1 pc	10 pcs

LAMP RAISED COUNTER BRACKET CTB50-PM60-170 60°/Top-mounted/Back-screw/Slim-type NEW

Latest Info

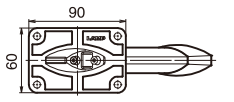


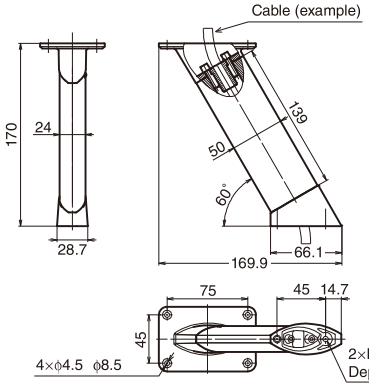
- Allows for additional floating countertops, expanding your countertop space.
- Designed to allow cables to be put through. (Max. diameter: ϕ9.5)
- Slim type: the bar is thinner than other CTB65 models.

SCREW

Applications
- Commercial reception counters, kitchens, serving bars, and more.

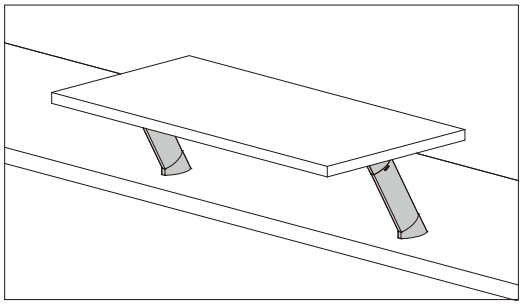
Remarks
- Please make sure the support structure that the bracket will be attached to is strong enough to handle the load.
- Max. pitch of adjoining brackets is 900 mm.
- Max. size of countertop overhung is 1,000 mm in width and 400 mm in depth. (when using two brackets)
- Min. thickness of a countertop overhung is 20 mm.
  Min. thickness of a countertop that will support an additional countertop is 30 mm.





Parts Included
- Countersunk tapping screw M4×20
- Hex head bolt M6×40
- Washer 6
- Spring washer 6

Installation



Item Code	Item Name	Angle	Mount	Screw	Colour Finish	Material	Load Capacity N /pc	Load Capacity kgf /pc	Weight (g)	Box	Carton
120-044-785	CTB50-PM60-170-SL	60°	Top-mounted	Back	Stainless Steel	Aluminium Alloy	400	40.8	366	1 pc	10 pcs
120-044-786	CTB50-PM60-170-BL				Black					1 pc	10 pcs
120-044-787	CTB50-PM60-170-WT				White					1 pc	10 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FOLDING BRACKET EB

Latest Info



- Can be folded when not in use, allowing for full use of space.
- Automatically locks when flap is in opened position. The lock can be easily released by pushing the lever.
- Holds closed when it clicks at the fully folded position.
- By using the optional EBD (P.883), you can make it a Soft Close type.
- EB-303 can also be used with the EB-303-DA (built-in damper type). (P.884)
- No hinges are needed.

TEST METHOD 6 | SUS | SCREW

Application

- Shelves and tables (garages, recreational vehicles, commercial facilities, factories)

Parts Included

- EB-200, EB-200-BL : Cross-recessed truss tapping screw ST4.8 x 38, Cross-recessed truss tapping screw ST4.8 x 16 (2 each)
- EB-303, EB-303-BL, EB-317, EB-317-BL : Cross-recessed truss tapping screw ST4.8 x 38, Cross-recessed truss tapping screw ST4.8 x 16 (3 each)

Optional Parts

- Damper for eb folding bracket EBD (P.883)
- Folding bracket EB-DA (built-in damper) (P.884)

Remarks

- Used in pairs. (Shelf width: Max. 1300 mm)
- Be careful not to get fingers caught in the bracket.
- Use a long screwdriver for installation EB-303, EB-303-BL, EB-317, EB-317-BL.
- Make sure the release lever is attached to bottom of the shelf for correct installation.
- Please make sure the wall can sustain the load.

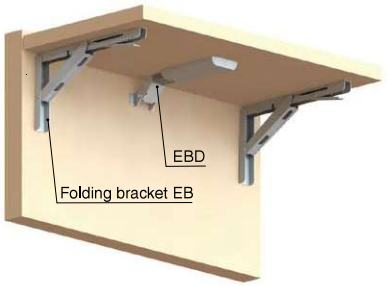
Feature | Installation

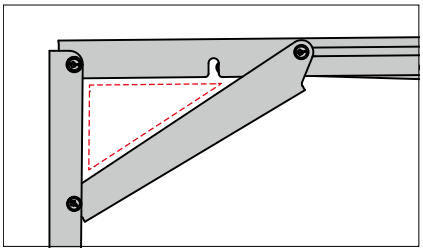
End Cap



Comes with end caps for safe use.

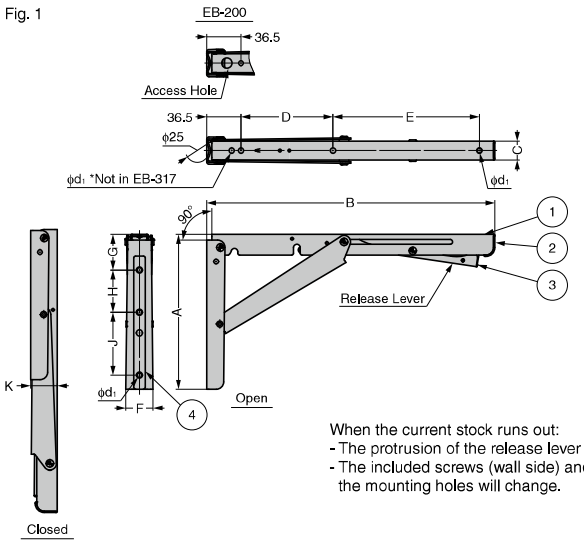
Application Example





Be careful not to get fingers caught in this space when folding.

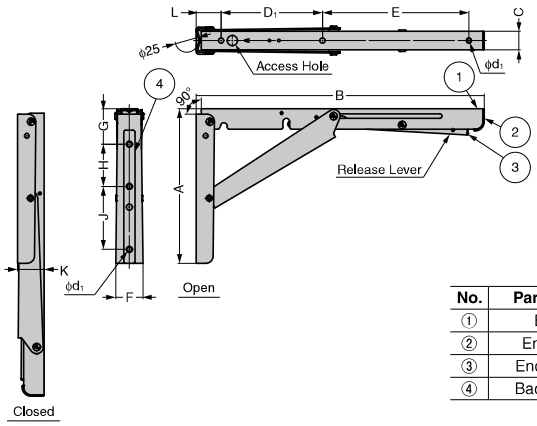
Fig. 1

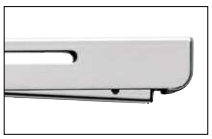




When the current stock runs out:
- The protrusion of the release lever will be reduced.
- The included screws (wall side) and the shape of the mounting holes will change.

Fig. 2 Access hole will add.





Reduced protrusion of the Release Lever

No.	Part Name	Material
①	Body	Stainless Steel (SUS304)
②	End Cap	Polyamide (PA)
③	End Cap 2	
④	Back Plate	ABS

Item Code	Item Name	Finish/Colour	A	B	C	D	D_1	L	E	F	G	H	J	K	d_1	Holes	Load Capacity N /1pc	Load Capacity kgf /1pc	Weight (g)	Box (pcs)
120-039-843	EB-200	Mirror Polished	116	201	20	155	155	36.5	–	29	21	80	–	28.5	5	4	555	56	332	20
120-048-895	EB-200-BL	Black																		20
120-039-844	EB-303	Mirror Polished	165	307		98	108	26.5	156		38	45	67		5.6	6	495	50	500	20
120-048-896	EB-303-BL	Black																		20
120-039-845	EB-317	Mirror Polished	171	318.5	24					36				30	6		1080	110	750	20
120-048-897	EB-317-BL	Black																		20

*The shape will be changed from Fig. 1 to Fig. 2, when the current stock runs out.
Limited inventory, replacement model is EBN. For more details, please refer to the digital catalogue for new products on pages G001.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. DAMPER FOR EB FOLDING BRACKET EBD

Latest Info



- Designed for EB folding bracket.
- Lapcon mechanism prevents shelf from sudden drop.
- Installation position can be easily determined with the supplied template.

INSTRUCTION

Remarks

- Make sure to have sufficient mounting surface strength.
- Please completely close shelf board with hands.
- Shelf board must be assembled to the arm with release lever.

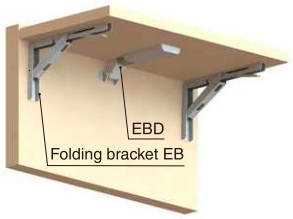
Parts Included

- Binding head tapping screw 4×16
- Template

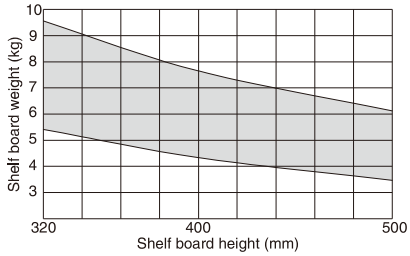
Sold Separately

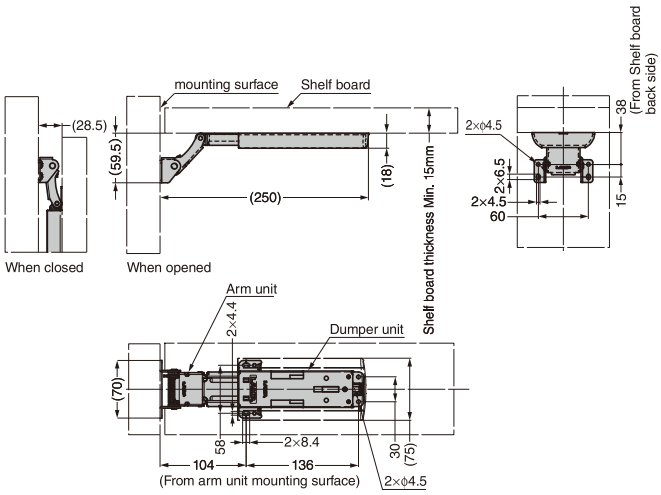
- Folding bracket EB

Application Example



Shelf board Size Range





Feature

Item Code	Item Name	Material	Finish	Maximum Door Moment N·m	Maximum Door Moment kgf·cm	Flap thickness	Weight (g)	Box (pcs)	Carton (pcs)
120-034-867	EBD	ABS/POM/Steel	Off-White/Zinc/Chrome	8.5~15	86.7~153.0	Min. 15	400	1	20

Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FOLDING BRACKET EB-DA Built-in Damper NEW

Latest Info

Soft-close



- Can be folded when not in use, allowing full use of space.
- The built-in damper allows for soft-close motion.
- Automatically locks when flap is in opened position. The lock can be easily released by pushing the lever.
- Holds closed when it clicks at the fully folded position.
- Can also be used with the EB-303 (without damper type). (P.882)
- No hinges are needed.
- EB-303-DA and EB-303-DA-BL have been updated. Kindly avoid mixing the old and new types together for optimal performance.

SUS SCREW

Application

- Shelves and tables (garages, recreational vehicles, commercial facilities, factories)

Parts Included

- Cross-recessed truss tapping screw ST4.8 x 38, Cross-recessed truss tapping screw ST4.8 x 16 (3 each)

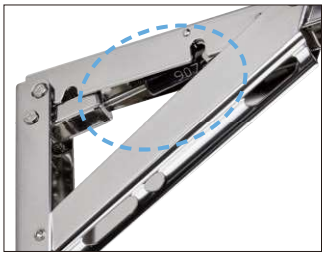
Optional Parts

- Folding Bracket EB (P.882)
- Interlock lever EB-90 (P.887)

Remarks

- Used in pairs. (Shelf width: Max. 1300 mm)
- Be careful not to get fingers caught in the bracket.
- Use a long screwdriver for installation.
- Make sure the release lever is attached to bottom of the shelf for correct installation.
- Please make sure the wall can sustain the load.

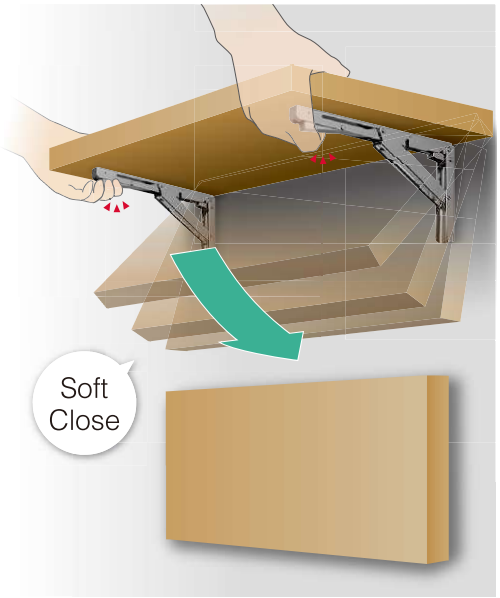
Built-in Damper

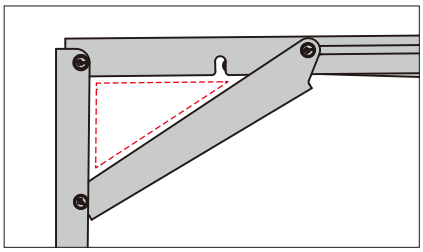


End Cap



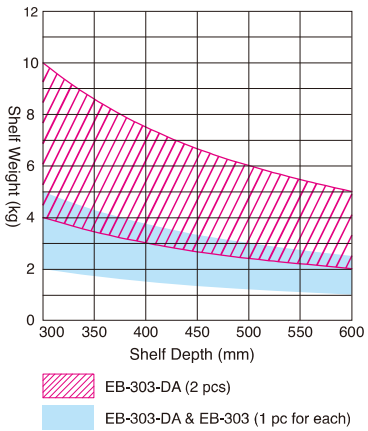
Comes with end caps for safe use.

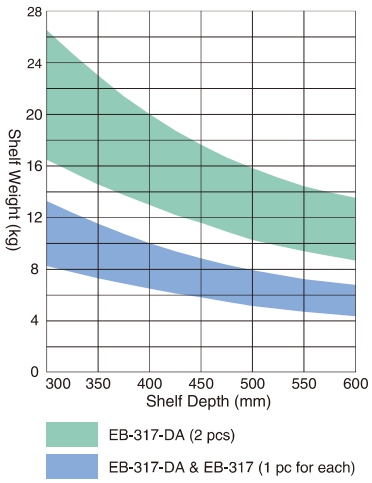




Be careful not to get fingers caught in this space when folding.

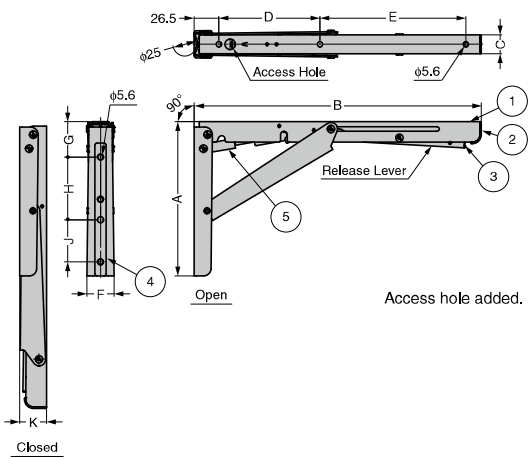
Product Selection Graph





This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Fig. 1
Added access hole
EB-303-DA
EB-303-DA-BL

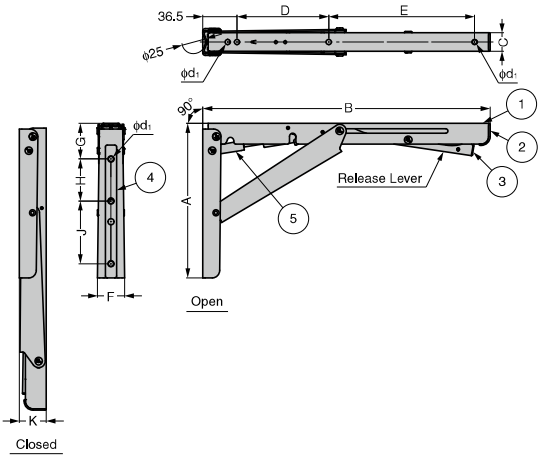


No.	Part Name	Material
①	Body	Stainless Steel (SUS304)
②	End Cap	Polyamide (PA)
③	End Cap 2	
④	Back Plate	ABS
⑤	Damper	–



Reduced protrusion of the Release Lever

Fig. 2
EB-317-DA
EB-317-DA-BL



No.	Part Name	Material
①	Body	Stainless Steel (SUS304)
②	End Cap	Polyamide (PA)
③	End Cap 2	
④	Back Plate	ABS
⑤	Damper	–



Item Code	Item Name	Finish/Colour	Figure	A	B	C	D	E	F	G	H	J	K	d_1	Holes	Load Capacity N /1pc	Load Capacity kgf /1pc	Weight (g)	Box (pcs)
120-048-775	EB-303-DA	Mirror Polished	Fig.1	165	307	20	108	156	29	38	67	45	28.5	5.6	6	495	50	525	20
120-049-237	EB-303-DA-BL	Black																	20
120-049-238	* EB-317-DA	Mirror Polished	Fig.2	171	318.5	24	98		36		45	67	30	6		1080	110	775	20
120-049-239	* EB-317-DA-BL	Black																	20

*The dimension D will change to 108 and an access hole will add, when the current stock runs out.
Limited inventory, replacement model is EBN-DA. For more details, please refer to the digital catalogue for new products on pages G002.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FOLDING BRACKET EB-F Multi Angle Locking NEW

Latest Info



Holds at 60/70/80/90 degrees, and folds to 0 degrees.

- Can be folded when not in use, allowing full use of space.
- Holds at 4 angles: 60°, 70°, 80°, 90° (multi angle locking). This makes it perfect for wall display shelves.
- The multi angle locking function prevents the brackets from fully collapsing if the lever is accidentally pulled up.
- Can be used with the interlock lever EB-90. (P.887) (optional part)
- No hinge is required.

SUS | SCREW

Application

- Shelves in garages, commercial facilities, factories, camping vehicles, or workbenches.

Parts Included

- Cross-recessed truss head tapping screw ST4.8 x 35
- Cross-recessed truss head tapping screw ST4.8 x 16

Optional Parts

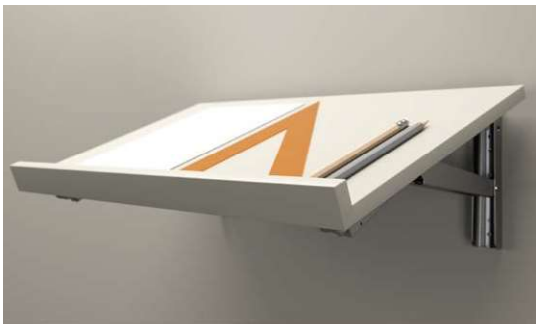
- Interlock lever EB-90. (P.887)

Remarks

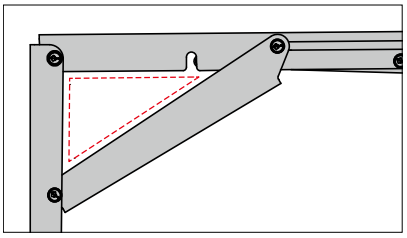
- When folding/unfolding the brackets, please hold both the shelf and brackets with your hands.
- If three brackets are used, please use together with the interlock lever EB-90.
- Be careful not to get fingers caught in the bracket.
- Please use a long screwdriver for easy installation.
- Please make sure the unlocking lever is installed on leading edge side of the shelf.
- Cannot be combined with EB or EB-DA.
- Please make sure the wall can sustain the load.

Application Example



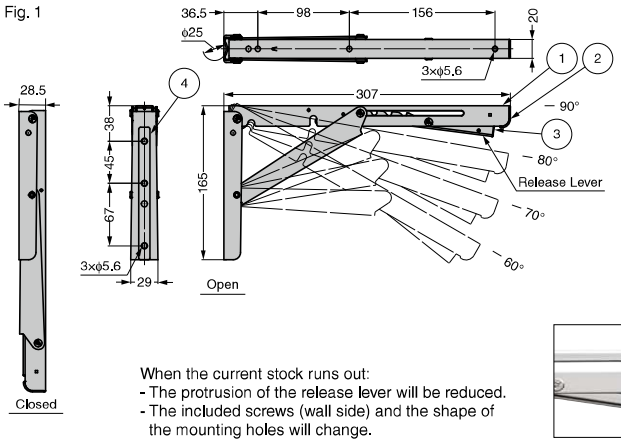






Be careful not to get fingers caught in this section when folding.

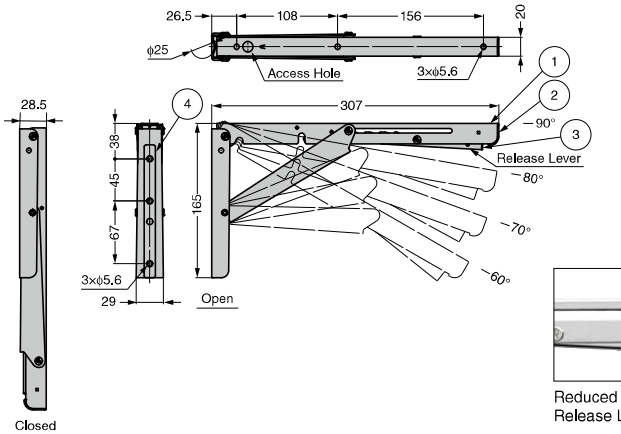
Fig. 1

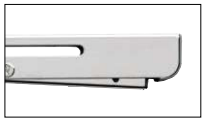


When the current stock runs out:
- The protrusion of the release lever will be reduced.
- The included screws (wall side) and the shape of the mounting holes will change.



Fig. 2 Access hole will add.





Reduced protrusion of the Release Lever

Feature

No.	Part Name	Material
①	Body	Stainless Steel (SUS304)
②	End Cap	Polyamide
③	End Cap 2	
④	Back Plate	ABS

Item Code	Item Name	Material	Finish	Number of Holes	Load Capacity N/1pc	Load Capacity kgf/1pc	Weight (g)	Box (pcs)
120-046-398	EB-303-F	Stainless Steel (SUS304)	Mirror Polished	6	495	50	511	20

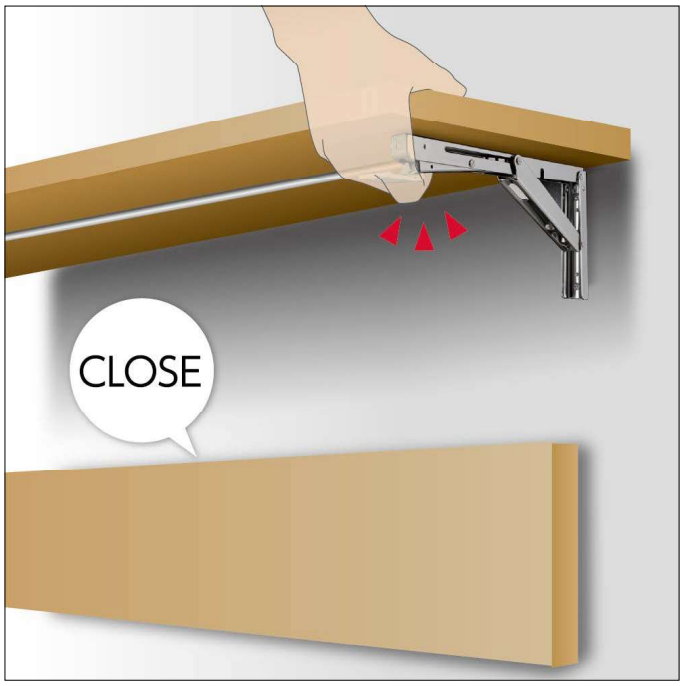
*The shape will be changed from Fig. 1 to Fig. 2, when the current stock runs out.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

INTERLOCK LEVER EB-90 For EB-DA and EB-F / For Wide Shelf NEW

Latest Info



Used with the folding brackets.



- Multiple levers allow for one-handed operation.
- Can be used with the EB-DA (P.884) and EB-F (P.886) (folding brackets).
- Ideal for use on wide shelves.
- The rod can be cut to desired length.

INSTRUCTION

Remarks

- If the rod is used with a length of 700 mm or more, please install the included additional mounting plate on the middle of the rod to prevent warping.
- When folding/unfolding the brackets, please hold both the shelf and brackets with your hands.

Components

- For 3 brackets



Lever : 3 pcs
Mounting plate : 6 pcs

- For 2 brackets



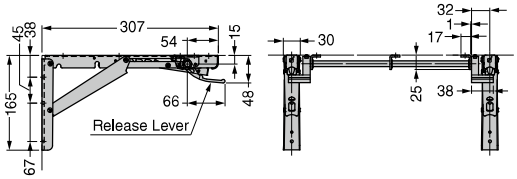
Lever : 2 pcs
Mounting plate : 3 pcs

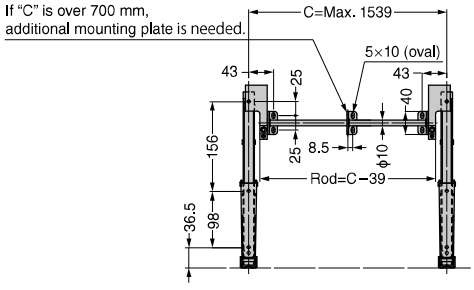
- Rod



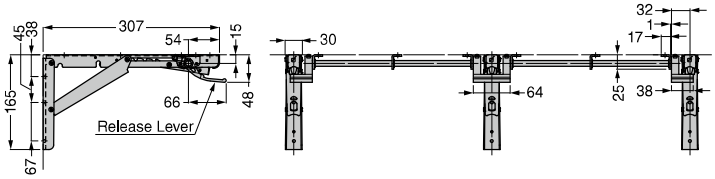
Feature | Installation

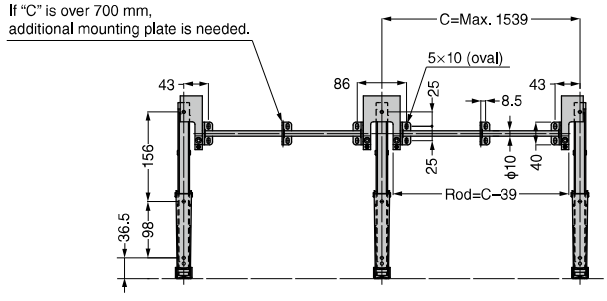
For two brackets





For three brackets





Lever

Item Code	Item Name	Type	Material	Finish	Weight (g)	Box (set)
120-046-395	EB-907560	For 2 brackets	Aluminium Alloy	Anodized	114	34
120-046-396	EB-907561	For 3 brackets			218	34

Limited inventory, replacement model is EBN-90. For more details, please refer to the digital catalogue for new products on pages G004.

Rod

Item Code	Item Name	Length	Material	Finish	Weight (g)	Box (pcs)
120-046-397	EB-907572	1500	Aluminium Alloy	Anodized	98	25

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FOLDING BRACKET 388-D Built-in Damper NEW

Latest Info

Soft-close



- Can be folded for saving space when not in use.
- The built-in damper allows for soft closing which prevents accidental shutting.
- Made of aluminium alloy for a lighter body.
- Can also be used together with the 388 bracket. (without damper model) (P.889)

TEST METHOD 6 | SCREW

Recommended Number of Bracket

- Shelf width is under 600 mm : 1 pc
- Shelf width is 600-1300 mm : 2 pcs

*See also the [Selection Guide].

Parts Included

- Cross-recessed truss head tapping screw ST4.8 x 35
- Cross-recessed truss head tapping screw ST4.8 x 16

Optional Part

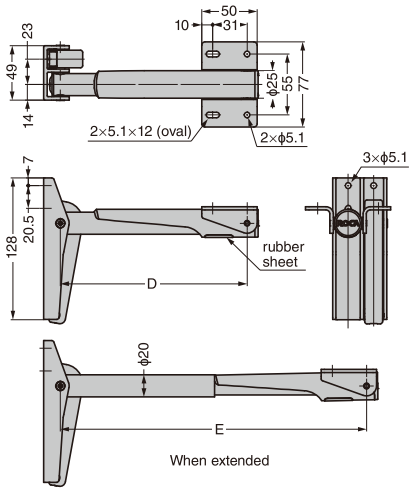
- Folding hinge 388 H
- Folding bracket 388

Remarks

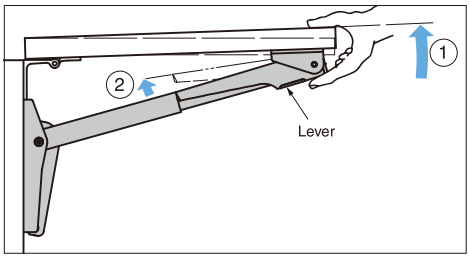
- When folding/unfolding the brackets, please hold both the shelf and brackets with hands.
- Make enough space for the shelf to lift up. See the [How to Use].
- Recommended shelf thickness: 15 -35 mm
- The load capacity was measured at the position demonstrated in the [Dimensions] drawing below.

Recommended Hinge





How to Use

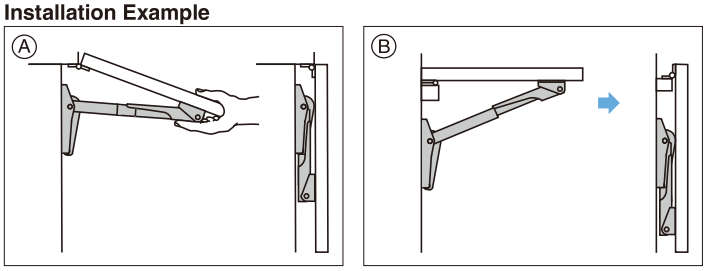


Note: ① Do not lift up the shelf forcibly. It may result in breakage.

Feature

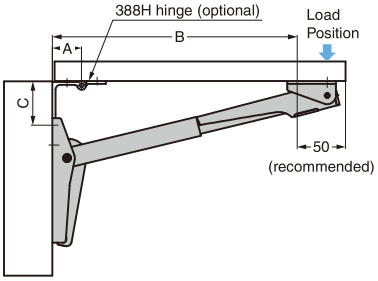
Feature

Installation Example

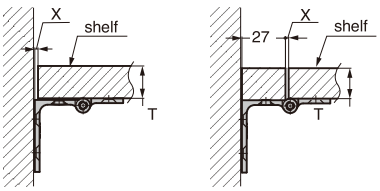


*Installation B: the 388H hinge can not be used.

Dimensions



Installation with the 388H Hinges (P.889)

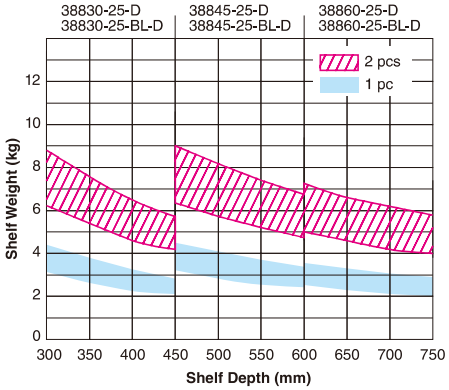


Thickness T and Clearance X

T	X
< 20	1
20 - 40	2

Selection Guide

Number of Brackets and Shelf Spec



*If 388-D (1pc) is used together with 388 (1pc), please refer to 1 pc of graph above.

Item Code	Item Name	Material	Finish / Colour	A	B	C	D	E	Load Capacity/pc N	Load Capacity/pc kgf	Weight (g)	Box	Carton
120-048-966	38830-25-D	Aluminium Alloy	Silver Anodized	28-39	252	45	168	275.9	309	31	341	5	40
120-048-967	38845-25-D			28-50	402	87	258.5	430.8	330	33	411	5	30
120-048-968	38860-25-D			28-40	549	137	368.5	585.8	360	36	491	5	25
120-048-969	38830-25-BL-D		Black Anodized	28-39	252	45	168	275.9	309	31	341	5	40
120-048-970	38845-25-BL-D			28-50	402	87	258.5	430.8	330	33	411	5	30
120-048-971	38860-25-BL-D			28-40	549	137	368.5	585.8	360	36	491	5	25

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

FOLDING BRACKET 388

Latest Info



- Automatically locks when flap is in opened position.
- Press lever to release the lock.
- For panel thickness 15~35mm
- Required Quantity:
  - Width up to 600mm···1pc
  - Width 600~1300mm···2pcs

TEST METHOD 6 | SCREW

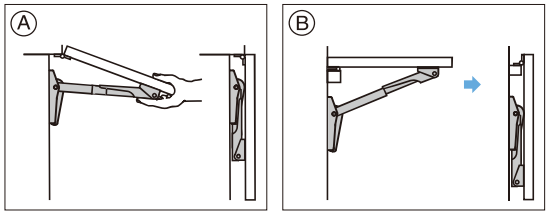
Parts Included

- Cross-recessed truss head tapping screw ST 4.8 × 35
- Cross-recessed truss head tapping screw ST 4.8 × 16

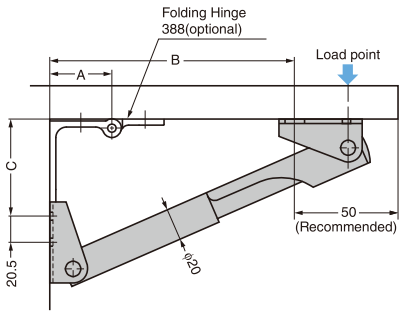
Optional Parts

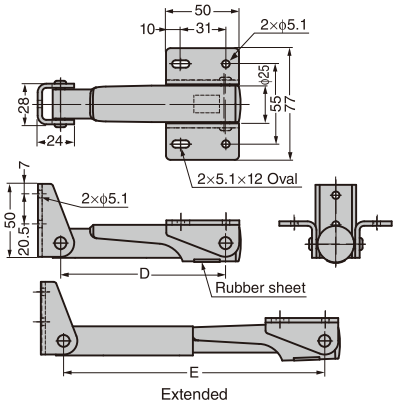
- Folding hinge 388H
- Folding bracket 388-D

Installation Example



*Installation B: 38820-25/38820-25-BL can not be used.





Item Code	Item Name	Material	Finish	A	B	C	D	E	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
120-105-060	38820-25	Aluminium Alloy	Anodized	28~30	161	15	114	180	250	25	149	5	50
120-105-061	38830-25			28~39	252	45	168	275.9	309	31	187	5	50
120-105-062	38845-25			28~50	402	87	258.5	430.8	330	33	266	5	30
120-105-063	38860-25			28~40	549	137	368.5	585.8	360	36	342	5	30
120-041-202	38820-25-BL		Black Anodized	28~30	161	15	114	180	250	25	149	5	50
120-041-203	38830-25-BL			28~39	252	45	168	275.9	309	31	187	5	50
120-041-204	38845-25-BL			28~50	402	87	258.5	430.8	330	33	266	5	30
120-041-205	38860-25-BL			28~40	549	137	368.5	585.8	360	36	342	5	30

Screws will be included with this product once existing inventory runs out.

FOLDING HINGE 388H For Bracket 388 NEW

Latest Info



388H001



388H000

- For use with the folding brackets 388-D and 388. (P.888, 889)
- Easy to find the right position for the hinges.

SCREW

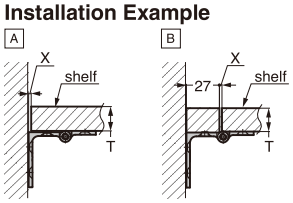
Parts Included

- Cross-recessed countersunk tapping screw 4.8 x 35 (3 pcs)
- Cross-recessed countersunk tapping screw 4.8 x 16 (4 pcs)

* Finish: anodized / black anodized

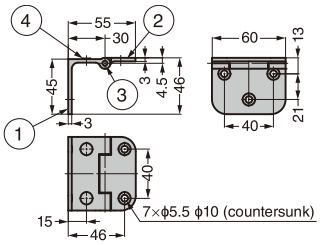
Feature | Feature

Installation Example



Thickness T and Clearance X

T	X
< 20	1
20 - 40	2



Item Code	Item Name	Finish / Colour	Weight (g)	Box (pcs)
120-048-776	388H000	Silver Anodized	53	128
120-048-777	388H001	Black Anodized		128

No.	Part Name	Material
①	Base	Aluminium Alloy
②	Bracket	
③	Shaft	Stainless Steel
④	Cap	Elastomer (TPE)

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

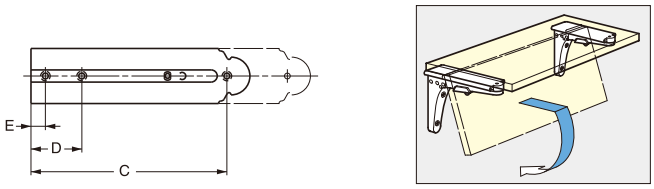
LAMP FOLDING BRACKET BOS-180, BOS-240

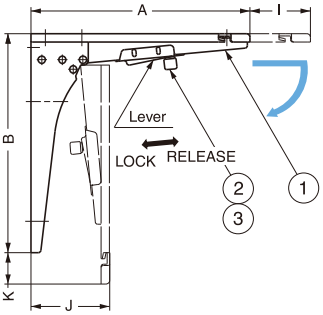
Latest Info

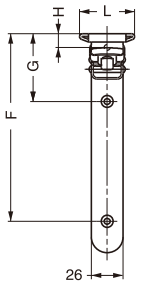


- Folding bracket with manual lock lever. Just slide the locking lever to toggle the lock.
- Allows spaces to be rapidly transformed so that they can be used efficiently.
- Combined bracket with hinge functionality

TEST METHOD 6 | SUS | SCREW







Parts Included

- BOS-180
  Countersunk head tapping screw 4×20 (SUS)
  Pan head tapping screw 4.5×25 (SUS)
  Raised countersunk head tapping screw 4.5×25 (SUS)
  Raised countersunk head tapping screw 4.5×50 (SUS)
- BOS-240
  Countersunk head tapping screw 4×20 (SUS)
  Pan head tapping screw 5×30 (SUS)
  Raised countersunk head tapping screw 5×30 (SUS)
  Raised countersunk head tapping screw 5×70 (SUS)

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Satin
②	Lever	Brass	Nickel
③	Cover	Ethylene Propylene Rubber (EPDM)	Black

Item Code	Item Name	A	B	C	D	E	F	G	H	I	J	K	L	Load Capacity		Weight	Box	Carton
120-030-111	BOS-180	181	181	162	42	12	155	56	11.5	50	65	26	45.5	392 N/pc	40 kgf/pc	522 g	1 pc	20 pcs
120-030-090	BOS-240	240	250	215	80	25	220	70	15	64	81	29	49	325 N/pc	33 kgf/pc	860 g	1 pc	20 pcs

LAMP FOLDING BRACKET BTO

Latest Info



- Folding bracket with design similar to BTK
- Comes with manual lock lever. Just slide the locking lever to toggle the lock.
- Allows spaces to be rapidly transformed so that they can be used efficiently.
- Combined bracket with hinge functionality

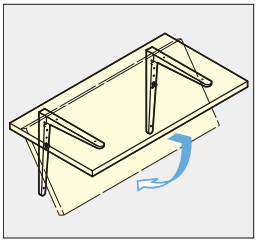
SUS | SCREW

Remarks

- *BTO-380S, BTO-380W
  : Made to order with a minimum order of 2,000 pcs.

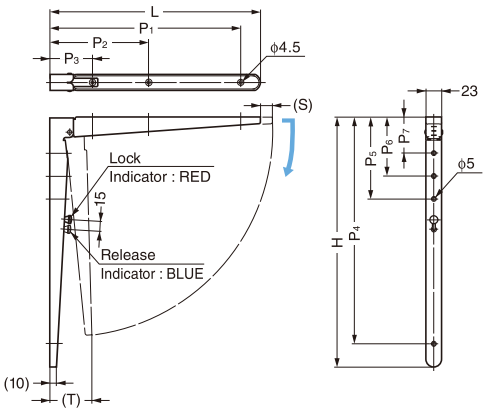
Parts Included

- Countersunk head wood screw



Item Name	Shelf Board		Wall	
	Size	Qty	Size	Qty
BTO-300	3.5×20	1 pc	4.5×25	1 pc
	3.8×38	1 pc	4.5×45	2 pcs
BTO-380	3.5×25	1 pc	4.5×32	1 pc
	3.8×38	1 pc	4.5×50	3 pcs
	3.8×45	1 pc	–	–

Screw material: Stainless steel (Plain) for BTO-300S, BTO-380S.
Steel (White) for BTO-300W, BTO-380W.



Item Code	Item Name	Material	Finish	H	L	P1	P2	P3	P4	P5	P6	P7	S	T	Load Capacity		Weight	Box	Carton
120-014-937	BTO-300S	Stainless Steel (SUS304)	Satin	300	241	211	–	61	270	80	50	–	15	57	200 N/pc	20.4 kgf/pc	550 g	2 pcs	20 pcs
120-030-091	BTO-300W	Steel	White	300	241	211	–	61	270	80	50	–	15	57	200 N/pc	20.4 kgf/pc	550 g	2 pcs	20 pcs
–	*BTO-380S	Stainless Steel (SUS304)	Satin	380	320	290	150	65	345	125	90	55	18	64	–	–	–	–	–
–	*BTO-380W	Steel	White	380	320	290	150	65	345	125	90	55	18	64	–	–	–	–	–

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SPRING LOADED FOLDING BRACKET GTS-300

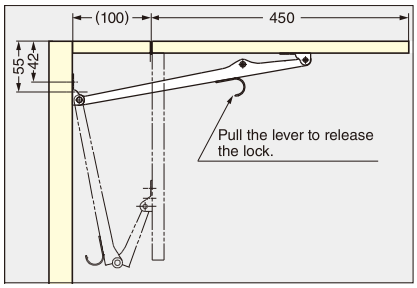
Latest Info

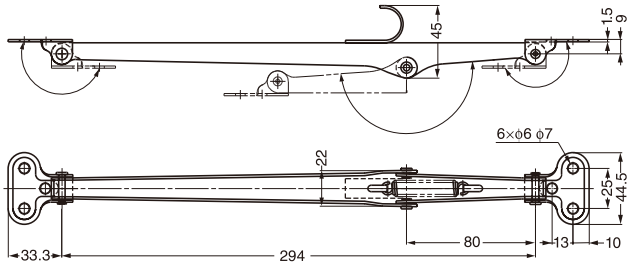


- Spring loaded for lift assist.
- Pull the lever to fold down.

SUS

Remarks
- Shelf board depth : Max. 450 mm.
- Horizontal use only.





Item Code	Item Name	Material	Finish	Load Capacity		Load Capacity		Recommended Depth		Recommended Width		Weight	Box	Carton
120-109-116	GTS-300	Stainless Steel (SUS304)	Mirror	29.4 N/pc	3 kgf/pc	58.8 N/2 pcs	6 kg f/2 pcs	Max. 450/pc	Max. 450/2 pcs	Max. 300/pc	Max. 600/2 pcs	190 g	12 pcs	96 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

SHELF ORGANIZERS DIGEST

STAINLESS STEEL

SPHL SERIES — For Heavy Duty

P.894~


Shelf Standard SPHL-1820


Shelf Support SPHL-25

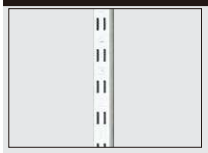

Shelf Support SPHL-30


End Cap SPHL-23E


Brackets SPHL-FB200

SPH SERIES

P.897~


Shelf Standard SPH


Shelf Support SPH-15


Shelf Support SPH-20


Shelf Support (W/Holder) SPH-5

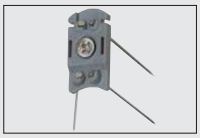

End Cap SP-18E


End Cap SPW-EC20

SP, SPS SERIES

P.899~


Shelf Standard SP, SPS

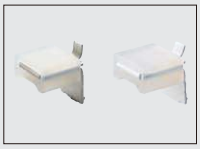

Shelf Standard Fastener For Plasterboard SP-SK


Shelf Support SPF-20


Shelf Holder SPF-20A


Shelf Support SPB-20


Shelf Support SPB-15R


Leveling Shelf Support SPF-20LC


Hook SP-35


Brackets SPB-200

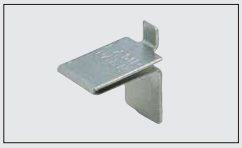

End Cap SP-18E


End Cap SPW-EC20

SM SERIES

P.905~


Shelf Standard SM


Shelf Support SPM-20B


Shelf Support SMB-15R


End Cap SP-18E


End Cap SPW-EC20

SPN SERIES

P.907~

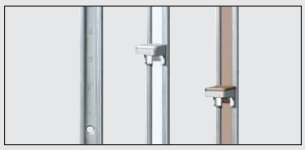

Shelf Standard SPN-1820


Shelf Support SPN-15


End Cap SPN-17EC

SPW SERIES

P.908, P.906 (SP-18E)


Shelf Standard SPW-1820


Shelf Support SPW-20


End Cap SPW-EC20


End Cap SP-18E

SPE SERIES — Thin Type

P.909~


Shelf Standard SPE


Shelf Support SPE-FB20S


Cover (Sold Separately) SPE-FC20


Dowel AP-FK20C


Shelf Support Hook AP-FK20D


Shelf holder with angle Adjusting Function AP-FK20

Shelf Holder AP-FA20

End Cap AP-EC20

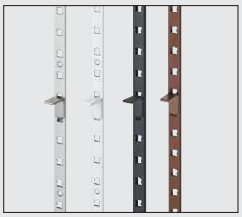
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

ALUMINIUM

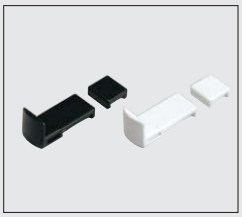
AP SERIES — Surface Mount / Mortise Mount

P.911 ～


Shelf Standard AP-DM, AP-DH


Shelf Support AP-FB20


Cap AP-FC20

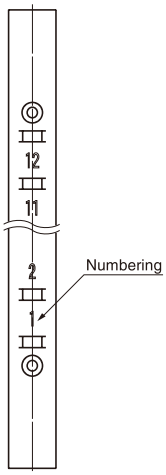

Shelf Holder AP-FA20


Shelf Support Hook AP-FK20

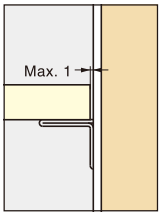

Shelf Support Hook AP-FK20D


Dowel AP-FK20C


End Cap AP-EC20



- Numbering on shelf standards: Easy to adjust the height of shelf board to the same level.

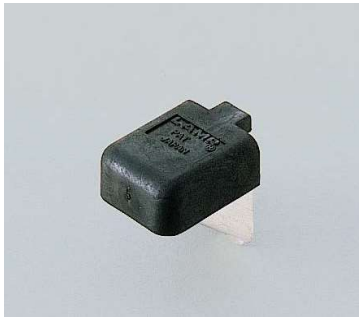


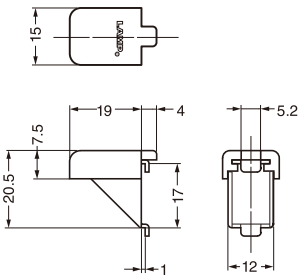
Remarks

- Make sure the clearance between shelf board and shelf standard is less than 1 mm.
- Load capacity: for 4 pcs /shelf board.

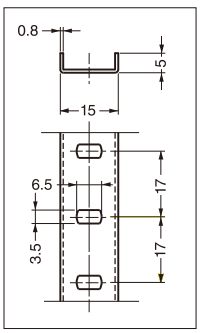
LAMP SHELF SUPPORT SPB-17R

Latest Info





Applicable shelf standard size



- Elastomer cover prevents shelf from slipping. Ideal for glass shelf.

TEST METHOD 9 | SUS

Item Code	Item Name	Material	Finish
120-030-666	SPB-17R	Stainless Steel (SUS304)	Satin

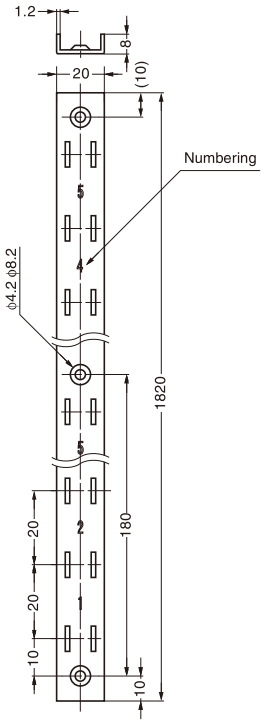
Load Capacity/4 pcs		Weight	Box	Carton
294 N	30 kgf	6.9 g	200 pcs	2000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ULTRA THIN SHELF STANDARD SPHL-1820

Latest Info





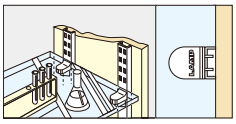
- High load capacity on frame that is only 1.2mm thick, frame is highly resistant to distortions even with heavy loads.
- Height markers are placed at every 20mm for use as guides.
- Height adjustment is easy.
- Made from stainless steel and has a large load capacity.

SUS

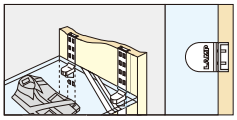
Sold Separately

- Shelf support SPHL-25 (P.894)
- Shelf support SPHL-30 (P.895)
- End cap SPHL-23E (P.895)

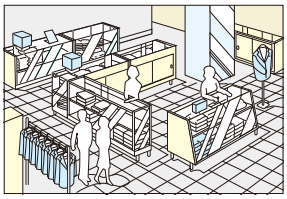
Surface Mount



Mortise Mount



Installation

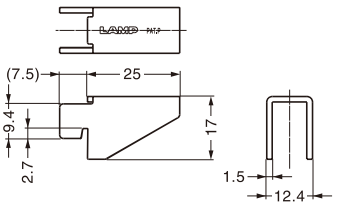


Item Code	Item Name	Material	Finish	Holes	Weight	Carton
120-030-912	SPHL-1820	Stainless Steel (SUS304)	Satin	11	500 g	30 pcs

LAMP SHELF SUPPORT SPHL-25

Latest Info





- For SPHL Heavy Duty Shelf Standard
- Thin profile blends in well with overall design

TEST METHOD 9 SUS

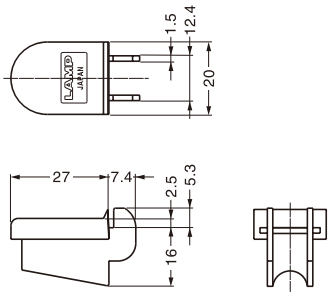
Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-914	SPHL-25	Stainless Steel (SUS304)	Satin	1470 N	150 kgf	11 g	200 pcs	1200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SPHL-30

Latest Info





- For SPHL Heavy Duty Shelf Standard
- Reliably quick installation on and disassembly from shelf standards.
- Cover is made from elastomer preventing slippage, making it ideal for use with glass.
- Designed to hold items in place even if exposed to small vibrations.

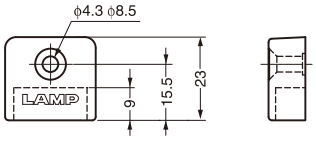
TEST METHOD 9 | SUS

Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-913	SPHL-30	Stainless Steel (SUS304)	Satin	1470 N	150 kgf	12 g	100 pcs	1000 pcs

LAMP END CAP SPHL-23E

Latest Info

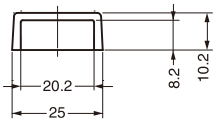




- For SPHL (P.894).

Application Example





Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-018-660	SPHL-23E-WT	Polypropylene (PP)	White	2 g	400 pcs	4000 pcs
120-018-661	SPHL-23E-BL	Polypropylene (PP)	Black	2 g	400 pcs	4000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF HOLDER SPHL-FB200 For SPHL

Latest Info



- For shelf standard SPHL-1820.
- 2 brackets required for 1 shelf.
- With retainer to prevent from coming off from shelf standard.

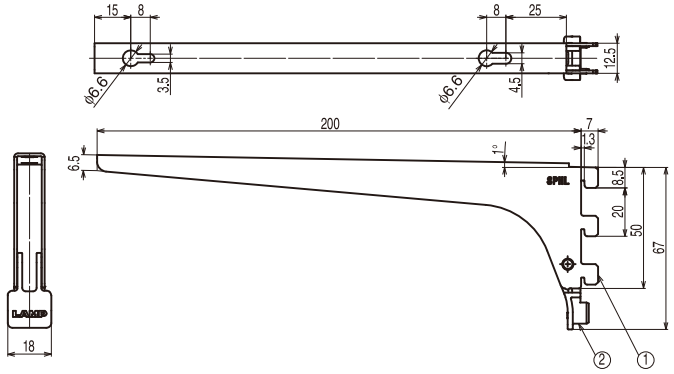
SUS

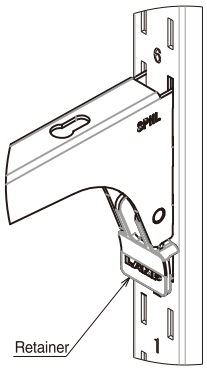
Remarks

- Max. shelf board width: 900 mm.
- Load capacity varies depending on shelf board depth.(See table)
- Load capacity includes shelf board weight.
- When fixing shelf standard on wall, be sure to install it in the position with pillar or other solid substrates.

Parts Included

- Pan head tapping screw 3×12 (SUS)

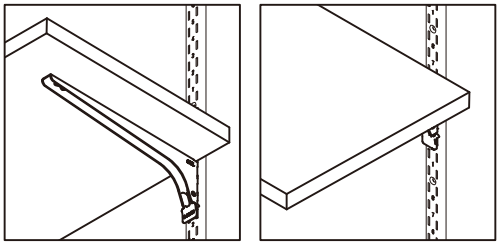




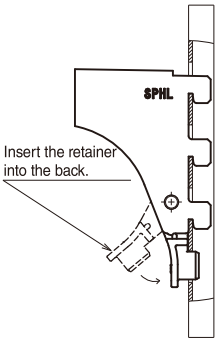
No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS430)	Satin
②	Retainer	PP	White

The material of the retainer will change to polyamide (PA) when the current stock runs out.

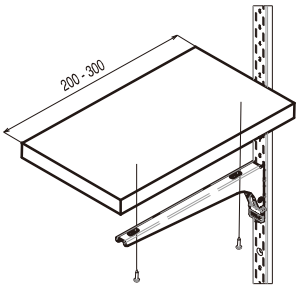
Application Example



Shelf Standard Installation



Shelf Board Installation



Install the shelf board with screws.

Item Code	Item Name	Shelf Board Depth 200 - 250 mm		Shelf Board Depth 250 - 300 mm		Weight (g)	Box (pcs)	Carton (pcs)
		Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs			
120-036-485	SPHL-FB200	196	20	137	14	75	20	200

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP HEAVY DUTY SHELF STANDARD SPH

Latest Info







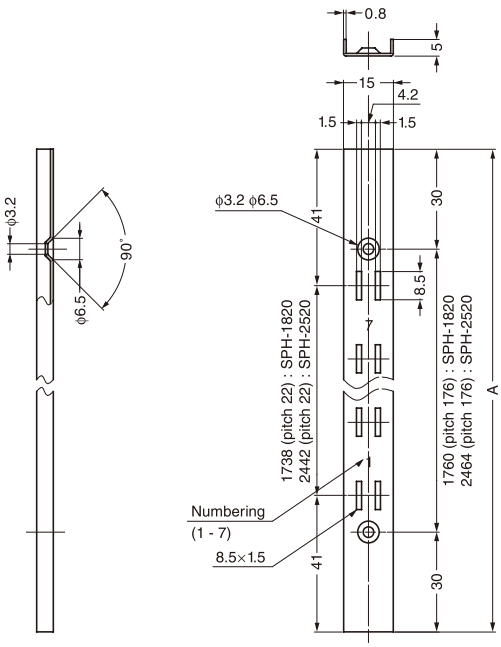


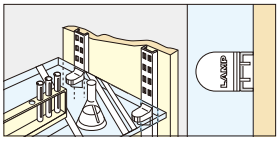
- Height markers are placed at every 22mm for use as guides.
- Height adjustment is easy.
- Made from stainless steel and has a large load capacity making it resistant to distortions forming even with heavier loads.

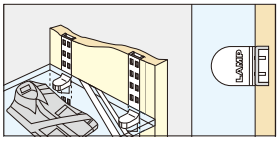
SUS

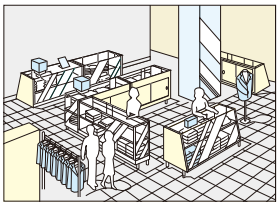
Sold Separately

- Shelf support SPH-20 (P.898)
- Shelf support SPH-5 (P.898)
- Shelf support SPH-15 (P.897)
- End cap SP-18E (P.906)
- End cap SPW-EC20 (P.908)







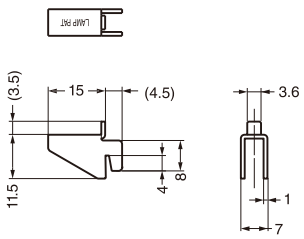


Item Code	Item Name	Material	Finish	A	Holes	Weight	Carton
120-030-673	SPH-1820	Stainless Steel (SUS304)	Satin	1820	11	230 g	80 pcs
120-030-682	SPH-2520	Stainless Steel (SUS304)	Satin	2524	15	330 g	30 pcs

LAMP SHELF SUPPORT SPH-15

Latest Info





- For SPH Shelf Standard
- Thin profile blends in well with overall design

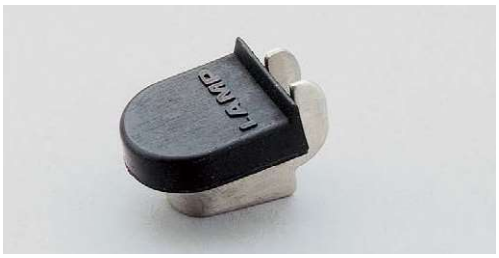
TEST METHOD 9 SUS

Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-665	SPH-15	Stainless Steel (SUS304)	Satin	1280 N	130 kgf	2.6 g	400 pcs	4000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SPH-20

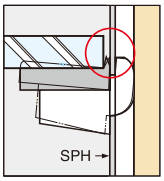
Latest Info



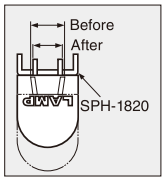
- For SPH Shelf Standard
- Cover is made from synthetic rubber prevents slippage, making it ideal for use with glass.
- Reliably quick installation on and disassembly from shelf standards.
- Designed to hold items in place even if exposed to small vibrations.

TEST METHOD 9 | SUS

Key Points

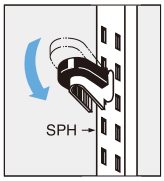


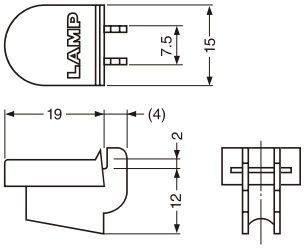
Glass shelf is not directly applied to the side panel.



Prevents from coming off with spring effect.

Installation

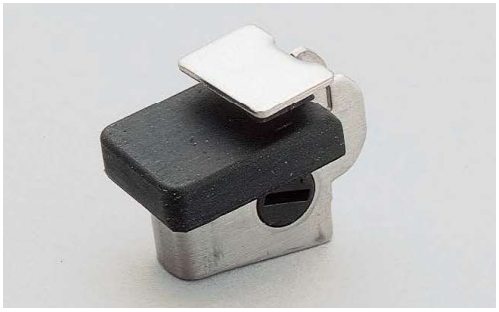


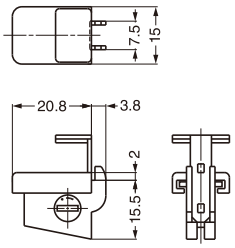


Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-041-375	SPH-20	Stainless Steel (SUS304)	Satin	1280 N	130 kgf	4.5 g	300 pcs	3000 pcs

LAMP SHELF SUPPORT (W/HOLDER) SPH-5

Latest Info





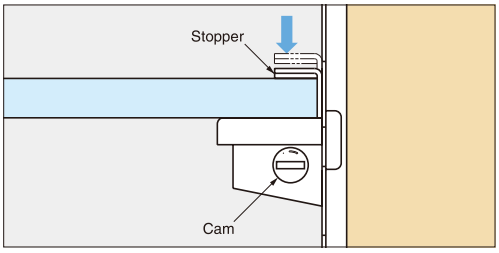
- For SPH Shelf Standard
- Cover is made from synthetic rubber and prevents slippage, making it ideal for use with glass.
- Reliably quick installation on and disassembly from shelf standards.
- Designed to hold items in place even if exposed to small vibrations.

SUS

Remarks

- Suitable glass thickness: 4 - 8 mm
- Load capacity of below table is the value for 1 shelf board (using 4 shelf supports).
- Clearance between shelf and shelf standard should be less than 3 mm.
- This shelf support can only be used for preventing the glass shelf from shifting. Do not use it for corner bracket, or pull it up.

Installation



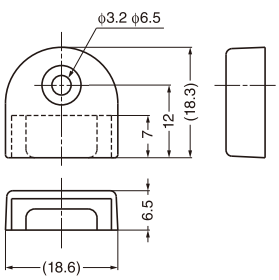
Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-041-374	SPH-5	Stainless Steel (SUS304)	Satin	1280 N	130 kgf	8 g	100 pcs	1000 pcs

LAMP END CAP SP-18E

Latest Info







- For SPH (P.897), SM (P.905), SP (P.899)

Recommended Screws

- Countersunk head wood screw 3.1

Item Code	Item Name	Colour	Material	Weight	Box	Carton
120-030-214	SP-18E-BL	Black	ABS	1 g	500 pcs	5000 pcs
120-030-215	SP-18E-WT	White	ABS	1 g	500 pcs	5000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

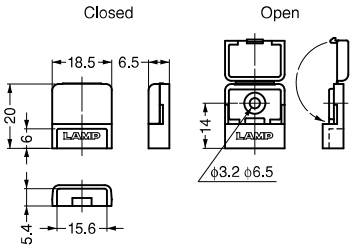
LAMP END CAP SPW-EC20

Latest Info



Installation





- For SPW-1820 (P.908), SP, SPS (P.899), SM (P.905), SPH (P.897) shelf standards.

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-698	SPW-EC20-WT	Polypropylene (PP)	White	2 g	400 pcs	4000 pcs
120-017-697	SPW-EC20-BR	Polypropylene (PP)	Brown	2 g	400 pcs	4000 pcs

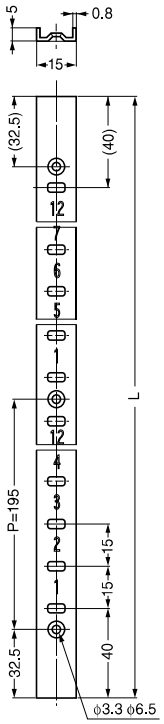
LAMP STAINLESS STEEL SHELF STANDARD SP, SPS

Latest Info





SP-1820WT



- Height markers at every 15mm interval simplify height adjustment.
- Profile is only 5mm thick.

SUS

Sold Separately

- Hook for shelf standard SP-35 (P.903)
- Shelf support SPB-15R (P.902)
- Shelf support SPB-20 (P.902)
- Shelf support SPF-20 (P.901)
- Leveling shelf support SPF-20LC (P.903)
- Shelf holder SPB-200 (P.904)
- End cap SP-18E (P.904)
- End cap SPW-EC20 (P.899)

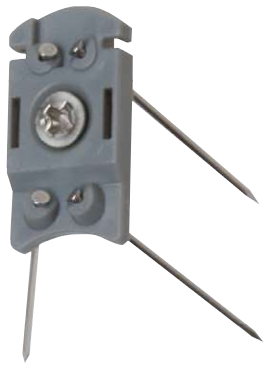
Item Code	Item Name	Material	Finish	L	Holes	Weight(g)	Carton(pcs)
120-030-685	SP-455	Stainless Steel (SUS304)	Satin	455	3	57	60
120-030-686	SP-650	Stainless Steel (SUS304)	Satin	650	4	81	60
120-030-687	SP-845	Stainless Steel (SUS304)	Satin	845	5	105	60
120-030-688	SP-1040	Stainless Steel (SUS304)	Satin	1040	6	129	60
120-030-827	SP-1820	Stainless Steel (SUS304)	Satin	1820	10	222	60
120-030-692	SP-1820WT	Stainless Steel (SUS430)	White	1820	10	222	60
120-030-668	SP-2600	Stainless Steel (SUS304)	Satin	2600	14	317	30
120-044-356	SPS-1600	Stainless Steel (SUS430)	Satin	1600	9	195	30
120-030-669	SPS-1820	Stainless Steel (SUS430)	Satin	1820	10	222	60
120-030-667	SPS-2600	Stainless Steel (SUS430)	Satin	2600	14	317	30
120-018-227	*SPS-2600T	Stainless Steel (SUS430)	Satin	2600	14	317	30

*Without protection tape

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF STANDARD FASTENER FOR PLASTERBOARD SP-SK for SP/SPS NEW

Latest Info



- Designed to mount the SP, SPS (P.899) onto plasterboard with thicknesses of 9.5/12.5mm.
- Easy Installation: screw the fastener plate to the shelf standard and insert the pins.
- With a temporary retaining function, the part ensures stability during screw fastening, preventing position deviation.
- No precise positioning required. The pins are inserted directly from the front.

INSTRUCTION SCREW

Other
- Individual packages for DIY mass retailers are also available (SP-SK-D).

Parts Included
- Plaster pin ϕ1.0 (stainless steel)
- Cross-recessed flat head screws M3×4 (Stainless steel)

Remarks
- Mount the fastner plate using all the screw holes in the shelf standard.
- When using four shelf supports for one shelf plate, the load capacity is 343N (35kgf).
- Mount the plasterboard fixing the shelf standard on a solid base.
- The two holes (upper and lower) where the fastner plate is mounted cannot be used to mount shelf supports.
- Use with Bracket for Shelf Standard SPB-200 (P.904) is not possible.

Product Package

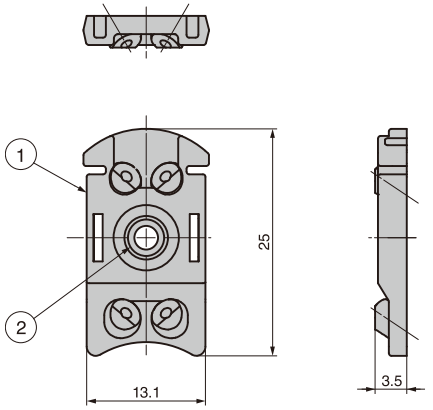


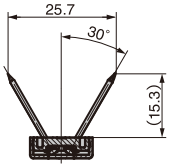
SP-SK-D

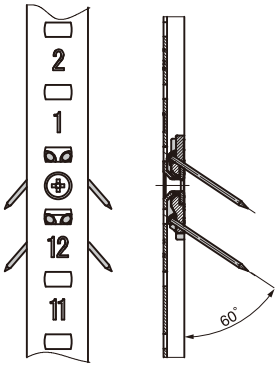
Application Example



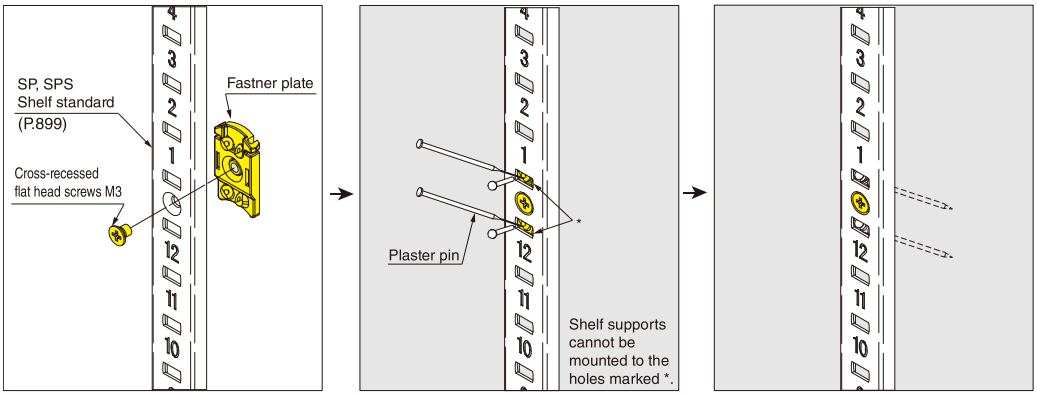
Shelf Standard Mounting Dimensions







2-Step Installation



(1) Mount fastener on shelf standard (2) Drive plaster pins into wall Post-installation

No.	Part Name	Material	Finish/Colour
①	Base	ABS	Gray
②	Screw part	Stainless Steel (SUS430)	Plain

This product is sold in units of 1 set (10 fastner plate, 42 plaster pins, 10 screws). When ordering, "1" is for one set.

Item Code	Item Name	Package	Weight (g)	Box (set)	Carton (set)
120-037-368	SP-SK	Bag	26	60	600
120-037-369	SP-SK-D	Individually packaged box	40	20	200

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SPF-20

Latest Info



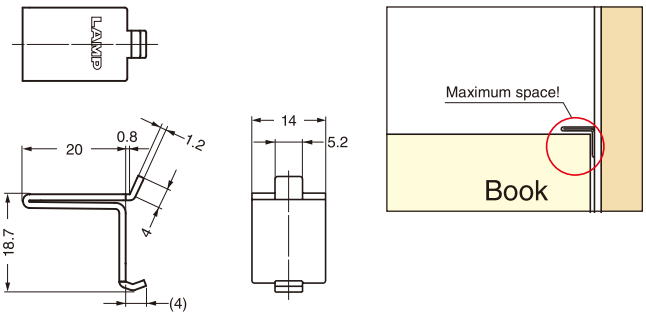
SPF-20


SPF-20WT

- Reliably "clicks" into place during install
- Thin profile reduces dead space, making it a great solution for bookcases

TEST METHOD 9 | SUS

Sold Separately
- Shelf holder SPF-20A (P.901)

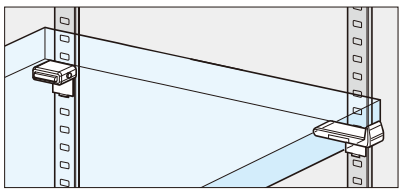


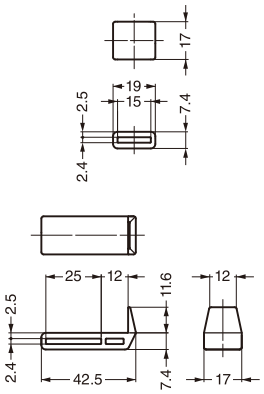
Item Code	Item Name	Type	Material	Finish/Colour	Load Capacity/4 pcs		Weight	Box	Carton
120-030-116	SPF-20	With Protection Tape	Stainless Steel (SUS304)	Satin	785 N	80 kgf	7 g	300 pcs	3000 pcs
120-030-117	SPF-20T	Without Protection Tape	Stainless Steel (SUS304)	Satin	785 N	80 kgf	7 g	300 pcs	3000 pcs
120-030-684	SPF-20WT	Without Protection Tape	Stainless Steel (SUS304)	White	785 N	80 kgf	7 g	300 pcs	3000 pcs

LAMP SHELF HOLDER SPF-20A

Latest Info







- To be used together with SPF-20
- Keeps shelf in place, protecting against adjustment during cleaning or other maintenance activities.

Remarks
- One each of front and back holder as set.

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-040-548	SPF-20A	Polyethylene (PE)	White	4 g	100 pcs	2500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SPB-20

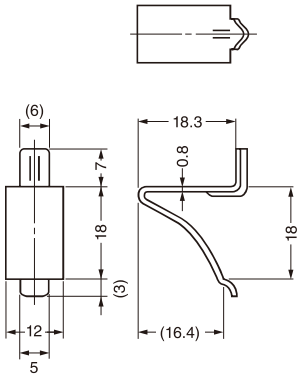
Latest Info


SPB-20

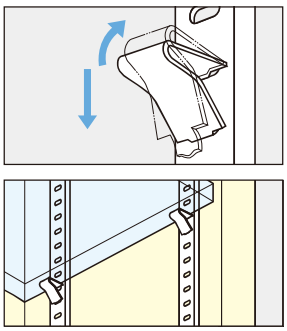

SPB-20WT

- Reliably quick installation on and disassembly from shelf standards.
- Designed to hold items in place even if exposed to small vibrations.

TEST METHOD 9 | SUS



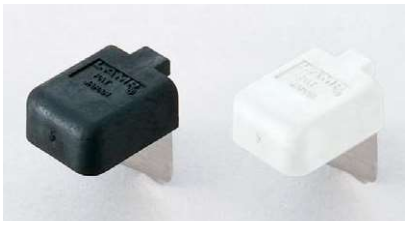
Installation

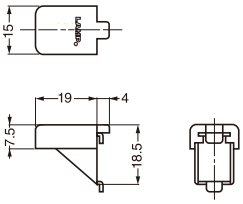


Item Code	Item Name	Type	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-015	SPB-20	With Protection Tape	Stainless Steel (SUS304)	Satin	441 N	45 kgf	3.6 g	300 pcs	3000 pcs
120-031-474	SPB-20T	Without Protection Tape	Stainless Steel (SUS304)	Satin	441 N	45 kgf	3.6 g	300 pcs	3000 pcs
120-030-693	SPB-20WT	Without Protection Tape	Stainless Steel (SUS304)	White	441 N	45 kgf	3.6 g	300 pcs	3000 pcs

LAMP SHELF SUPPORT SPB-15R

Latest Info

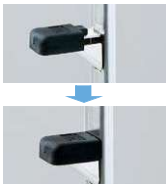




- Reliably quick installation on and disassembly from shelf standards.
- Cover is made from elastomer preventing slippage, making it ideal for use with glass.

TEST METHOD 9 | SUS

Cover Installation

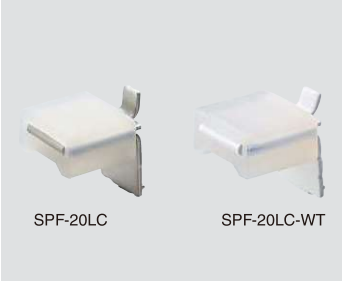


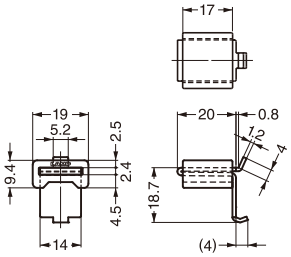
Item Code	Item Name	Material	Finish/Colour	Load Capacity/4 pcs		Weight(g)	Box(pcs)	Carton(pcs)
120-049-026	SPB-15R	Stainless Steel (SUS304) /Elastomer (TPE)	Satin/Black	980 N	100 kgf	6	300	3000
120-036-306	SPB-15R-WT	Stainless Steel (SUS304) /Elastomer (TPE)	Satin/White	980 N	100 kgf	6	300	3000

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. LEVELING SHELF SUPPORT SPF-20LC

Latest Info





- For SP, SPS (P.899).
- Shelf level is adjustable by turning the silicone cap upside down.
- Silicone cap prevents shelf from slipping. Ideal for glass shelves.

TEST METHOD 9 | SUS

Level Adjustment

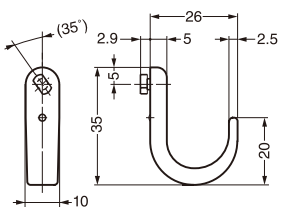


Item Code	Item Name	Material	Body Finish	Cover Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-335	SPF-20LC	Stainless Steel (SUS304) /Silicone (Q)	Satin Silver	Natural	785 N	80 kgf	9.5 g	200 pcs	2000 pcs
120-044-077	SPF-20LC-WT	Stainless Steel (SUS304) /Silicone (Q)	Enamel White	Natural	785 N	80 kgf	9.5 g	200 pcs	2000 pcs

LAMP. HOOK FOR SHELF STANDARD SP-35

Latest Info





- For SP, SPS (P.899).
- Can be used with a vertical or horizontal standard.

Application



Item Code	Item Name	Material	Finish	Load Capacity		Weight(g)	Box(pcs)	Carton(pcs)
120-020-234	SP-35	Zinc Alloy (ZDC)	Nickel	49 N	5 kgf	15.5	150	600

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF HOLDER SPB-200

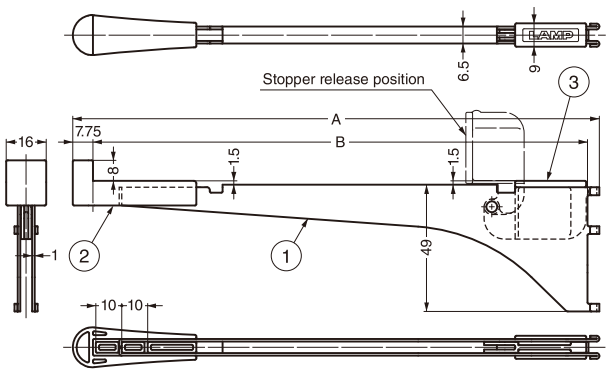
Latest Info



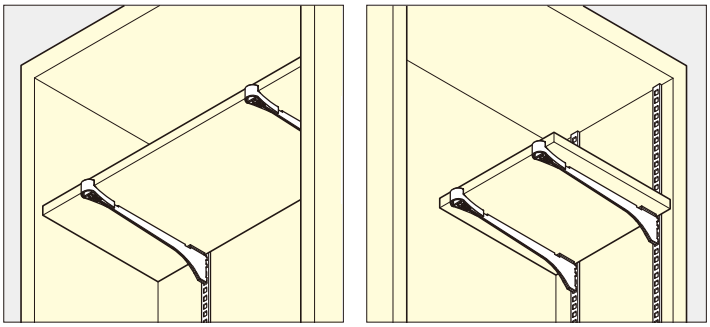
- For SP and SPS shelf standard
- Adjustable to three different lengths
- Raised ends protect against slippage or shelf falling
- Can be used with glass

SUS

Remarks
- Maximum size of shelf board is Width 900 mm × Depth 200 mm.



Installation



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Satin
②	Holder	Polypropylene (PP)	White
③	Stopper	Polypropylene (PP)	White

Item Code	Item Name	A	B (Board Depth)	Load Capacity/2 pcs		Load Capacity/3 pcs		Weight	Box
120-022-204	SPB-200	194, 204, 214	180, 190, 200	98 N/2 pcs	10 kgf/2 pcs	147 N/3 pcs	15 kgf/3 pcs	65 g	50 pcs

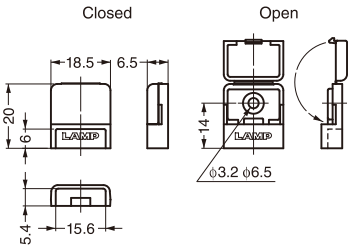
LAMP END CAP SPW-EC20

Latest Info



Installation





- For SPW-1820 (P.908), SP, SPS (P.899), SM (P.905), SPH (P.897) shelf standards.

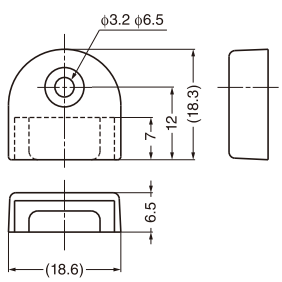
Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-698	SPW-EC20-WT	Polypropylene (PP)	White	2 g	400 pcs	4000 pcs
120-017-697	SPW-EC20-BR	Polypropylene (PP)	Brown	2 g	400 pcs	4000 pcs

LAMP END CAP SP-18E

Latest Info







- For SPH (P.897), SM (P.905), SP (P.899)

Recommended Screws
- Countersunk head wood screw 3.1

Item Code	Item Name	Colour	Material	Weight	Box	Carton
120-030-214	SP-18E-BL	Black	ABS	1 g	500 pcs	5000 pcs
120-030-215	SP-18E-WT	White	ABS	1 g	500 pcs	5000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF STANDARD SM

Latest Info

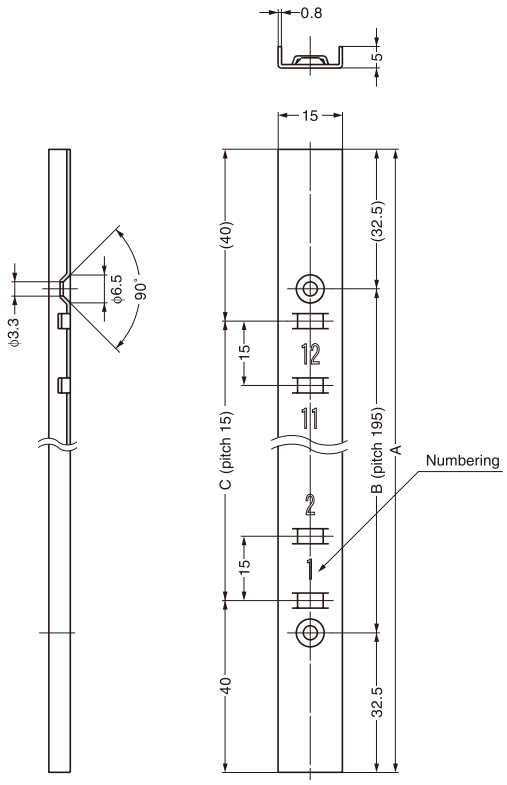


- Design prevents installation mortise from being visible from the front.
- Height markers are placed at every 15mm for use as guides.
- Height adjustment is easy.
- Stainless steel with high load capacity

SUS

Sold Separately

- Shelf support SMB-15R (P.906)
- Shelf support SPM-20B (P.905)
- End cap SP-18E (P.906)
- End cap SPW-EC20 (P.906)

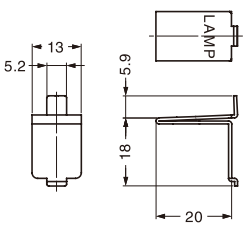


Item Code	Item Name	A	B	C	Material	Finish	Holes	Weight	Carton
120-030-675	SM-1820	1820	1755	1740	Stainless Steel (SUS304)	Satin	10	245 g	60 pcs
120-030-846	SM-2600	2600	2535	2520	Stainless Steel (SUS304)	Satin	14	352 g	30 pcs

LAMP SHELF SUPPORT SPM-20B

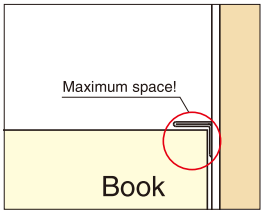
Latest Info





- For SM shelf standard
- Thin profile reduces dead space, making it a great solution for bookcases

SUS



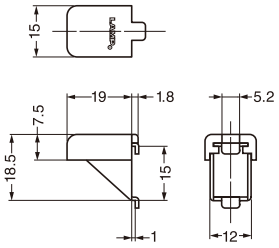
Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-915	SPM-20B	Stainless Steel (SUS304)	Satin	588 N	60 kgf	5 g	300 pcs	3000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SMB-15R

Latest Info





- For SM shelf standard
- Reliably quick installation on and disassembly from shelf standards.
- Cover is made from elastomer preventing slippage.

TEST METHOD 9 | SUS

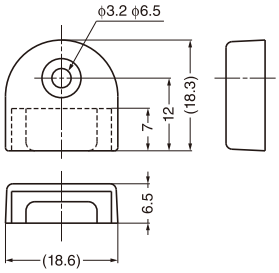
Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-030-674	SMB-15R	Stainless Steel (SUS304)	Satin	883 N	90 kgf	6 g	300 pcs	3000 pcs

LAMP END CAP SP-18E

Latest Info







- For SPH (P.897), SM (P.905), SP (P.899)

Recommended Screws
- Countersunk head wood screw 3.1

Item Code	Item Name	Colour	Material	Weight	Box	Carton
120-030-214	SP-18E-BL	Black	ABS	1 g	500 pcs	5000 pcs
120-030-215	SP-18E-WT	White	ABS	1 g	500 pcs	5000 pcs

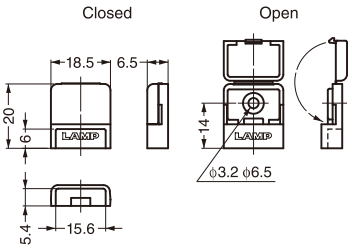
LAMP END CAP SPW-EC20

Latest Info



Installation





- For SPW-1820 (P.908), SP, SPS (P.899), SM (P.905), SPH (P.897) shelf standards.

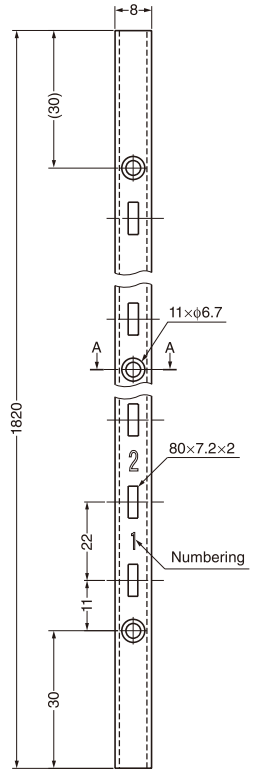
Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-698	SPW-EC20-WT	Polypropylene (PP)	White	2 g	400 pcs	4000 pcs
120-017-697	SPW-EC20-BR	Polypropylene (PP)	Brown	2 g	400 pcs	4000 pcs

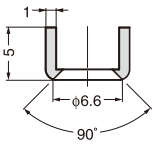
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF STANDARD SPN-1820

Latest Info







A-A
Cutaway view

- Slim, 8mm wide shelf standard with a high load capacity.
- Height markers are placed at every 22mm for use as guides.
- This makes height adjustment very easy.
- Design holds shelf supports very firmly, preventing them from unintentionally dislodging.
- Easy to cut to desired length

SUS

Sold Separately
- Shelf support SPN-15 (P.907)
- End cap SPN-17EC (P.907)

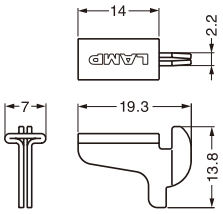
Recommended Screws
- Countersunk head tapping screw 3 or countersunk head wood screw 3.1

Item Code	Item Name	Type	Material	Finish	Holes	Weight	Carton
120-017-129	SPN-1820	w/Numbering	Stainless Steel (SUS430)	Satin	11	205 g	60 pcs

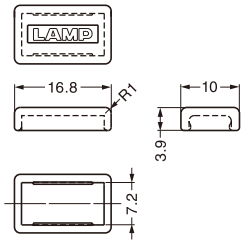
LAMP SHELF SUPPORT SPN-15

Latest Info





Shelf support



Cap for shelf support

- For SPN-1820.

TEST METHOD 9 SUS

Sold Separately
- Cap for shelf support SPN-15C

Cap for Shelf Support

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-693	SPN-15C	Elastomer (TPE)	White	0.5 g	400 pcs	4000 pcs

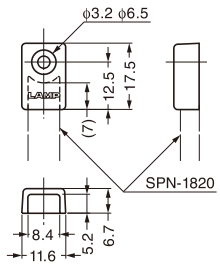
Shelf Support

Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-017-692	SPN-15	Stainless Steel (SUS304)	Polished	785 N	80 kgf	2 g	400 pcs	2000 pcs

LAMP END CAP SPN-17EC

Latest Info





- For SPN-1820.

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-694	SPN-17EC	Polypropylene (PP)	White	0.9 g	400 pcs	4000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF STANDARD SPW-1820

Latest Info



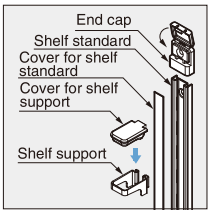
- Visually appealing design with installation holes not visible from the front.
- Cover (sold separately) hides installation screws
- Height markers are placed at every 20mm for use as guides.
- This makes height adjustment very easy.

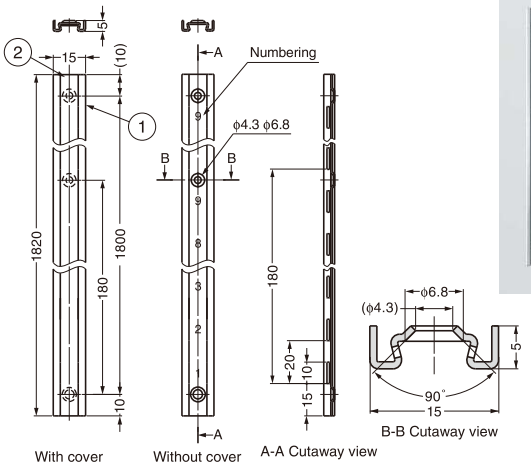
SUS

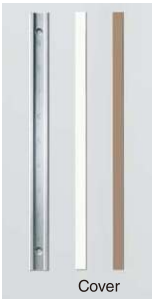
Sold Separately
- Cover
- Shelf support SPW-20 (P.908)
- End cap SPW-EC20 (P.908)
- End cap SP-18E (P.898)

Recommended Screws
- Countersunk tapping screw 3

Installation







No.	Part Name	Material	Finish/Colour
①	Shelf Standard	Stainless Steel (SUS430)	Satin
②	Cover	Rigid Polyvinyl Chloride	White, Brown

Shelf Standard

Item Code	Item Name	Holes	Weight	Carton
120-017-699	SPW-1820	11	335 g	60 pcs

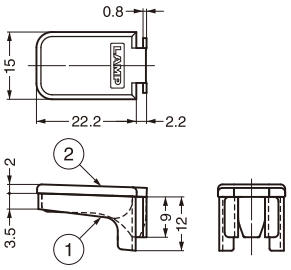
Cover (Sold Separately)

Item Code	Item Name	Colour	Weight	Carton
120-017-817	SPW-CV1820-WT	White	8 g	1000 pcs
120-017-816	SPW-CV1820-BR	Brown	8 g	1000 pcs

LAMP SHELF SUPPORT SPW-20

Latest Info





- For SPW-1820 shelf standard
- Covers with the same colour as SPW-1820 cover colours are available.
- Designed to hold items in place even if exposed to small vibrations.

TEST METHOD 9 | SUS

No.	Part Name	Material	Finish/Colour
①	Shelf Support	Stainless Steel (SUS304)	Mirror
②	Cover	Elastomer (TPE)	White, Brown

Item Code	Item Name	Colour	Load Capacity/4 pcs		Weight	Box	Carton
120-017-696	SPW-20-WT	White	785 N	80 kgf	4.5 g	200 pcs	2000 pcs
120-017-695	SPW-20-BR	Brown	785 N	80 kgf	4.5 g	200 pcs	2000 pcs

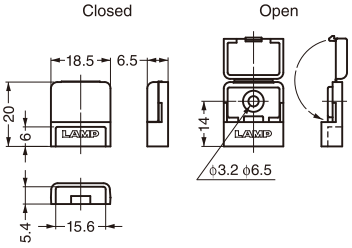
LAMP END CAP SPW-EC20

Latest Info



Installation





- For SPW-1820 (P.908), SP, SPS (P.899), SM (P.905), SPH (P.897) shelf standards.

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-017-698	SPW-EC20-WT	Polypropylene (PP)	White	2 g	400 pcs	4000 pcs
120-017-697	SPW-EC20-BR	Polypropylene (PP)	Brown	2 g	400 pcs	4000 pcs

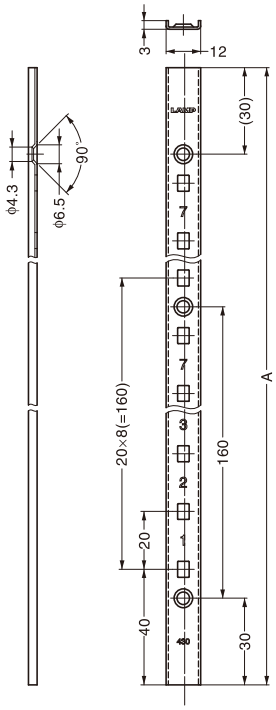
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP EXTRA THIN SHELF STANDARD SPE

Latest Info







- Ultra thin shelf standard (only 3mm). Even if front mounted without a mortise will not stand out or hurt the design.
- Height markers are placed at every 20mm for use as guides.
- This makes height adjustment very easy.
- Available in 3 different colours: plain, white or black.

SUS

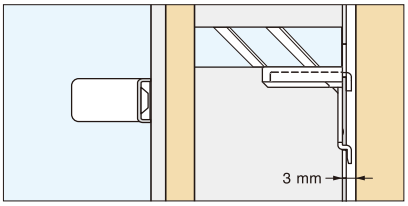
Sold Separately

- Stainless steel shelf support SPE-FB20S (P.910)
- End cap AP-EC20 (P.910)

Recommended Screws

- Countersunk tapping screw 3 or countersunk wood screw 3.1

Installation



Item Code	Item Name	Material	Finish	A	Screw Hole	Weight	Carton
120-019-532	SPE-1820	Stainless Steel (SUS430)	Plain	1820	12	156 g	100 pcs
120-020-757	SPE-1820WT	Stainless Steel (SUS430)	White	1820	12	156 g	100 pcs
120-025-833	SPE-1820BL	Stainless Steel (SUS430)	Black	1820	12	156 g	100 pcs
120-021-423	SPE-2620	Stainless Steel (SUS430)	Plain	2620	17	230 g	60 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT SPE-FB20S

Shelf Support Cover

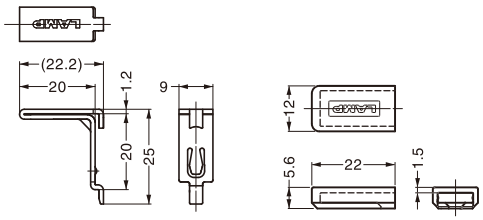


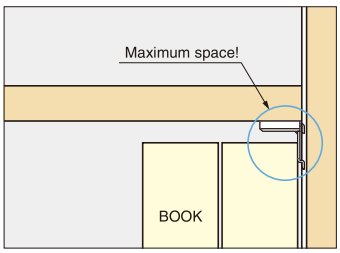

With cover

- For SPE extra thin shelf standard
- Reliably quick installation on and disassembly from shelf standards.
- Cover (sold separately) prevents slippage, making it ideal for use with glass.
- Thin design is barely visible from the side, making it ideal for use with displays.

TEST METHOD 9 | SUS

Sold Separately
- Shelf support cap AP-FC20 (P.914)
- Shelf holder AP-FA20 (P.915)
- Shelf holder AP-FK20 (P.917), AP-FK20C (P.918)





Shelf Support

Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight	Box	Carton
120-020-903	SPE-FB20S	Stainless Steel (SUS430)	Polished	785 N	80 kgf	4.5 g	300 pcs	3000 pcs
120-021-678	SPE-FB20SWT	Stainless Steel (SUS430)	White	785 N	80 kgf	4.5 g	300 pcs	3000 pcs
120-025-834	SPE-FB20SBL	Stainless Steel (SUS430)	Black	785 N	80 kgf	4.5 g	300 pcs	3000 pcs

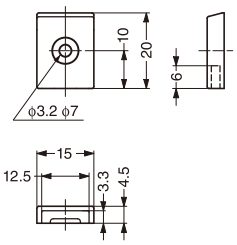
Cover (Sold Separately)

Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-019-642	SPE-FC20	Elastomer (TPE)	Light Grey	0.8 g	300 pcs	3000 pcs
120-028-504	SPE-FC20-BL	Elastomer (TPE)	Black	0.8 g	300 pcs	3000 pcs

LAMP END CAP AP-EC20

Latest Info





Application Example



- Light Grey & Black colour available.
- For AP-DM (P.911) and SPE (P.909).

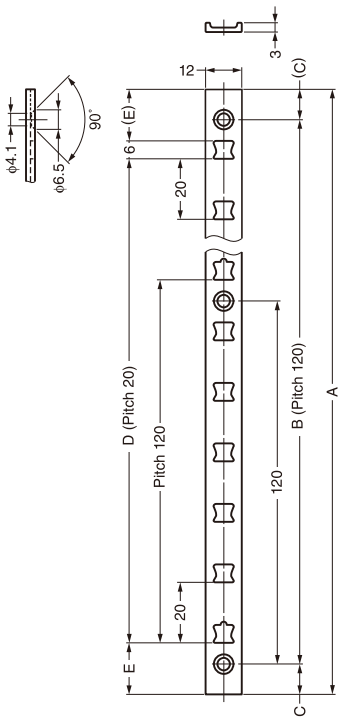
Item Code	Item Name	Material	Colour	Weight(g)	Box(pcs)	Carton(pcs)
120-030-157	AP-EC20-LGR	ABS	Light Grey	1.0	400	4000
120-028-503	AP-EC20-BL	ABS	Black	1.0	400	4000
120-045-888	AP-EC20-BR	ABS	Brown	1.0	400	4000

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

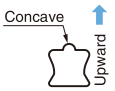
LAMP EXTRA THIN ALUMINIUM SHELF STANDARD AP-DM

Latest Info

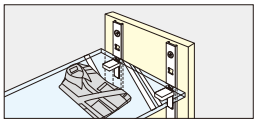


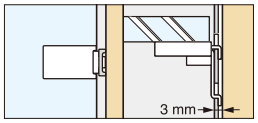


- Aluminium shelf standard makes it easy to cut to proper length even while attached to wood or while bundled up.
- 3mm extra thin profile thickness.
- Wider screw allows for shallower cut during installation.
- New slot shape to prevent shelf support from falling off.



Application Example





Sold Separately

- Black, Silver, white, and bronze colours are available.



Sold Separately

- Shelf support AP-FB20 (P.914)

1 set: 100 pcs

Item Code	Item Name	Screw	Finish
120-030-336	AP-SC3-16	Countersunk Head Tapping Screw 3×16	Paint/Silver
120-016-608	AP-SC3-16WT	Countersunk Head Tapping Screw 3×16	Paint/White
120-014-663	AP-SC3-30	Countersunk Head Tapping Screw 3×30	Paint/Silver
120-016-606	AP-SC3-30WT	Countersunk Head Tapping Screw 3×30	Paint/White
120-028-981	AP-SC3-16BL	Countersunk Head Tapping Screw 3×16	Paint/Black
120-028-982	AP-SC3-30BL	Countersunk Head Tapping Screw 3×30	Paint/Black
120-046-010	AP-SC3-16BZ	Countersunk Head Tapping Screw 3×16	Paint/Bronze
120-046-011	AP-SC3-30BZ	Countersunk Head Tapping Screw 3×30	Paint/Bronze

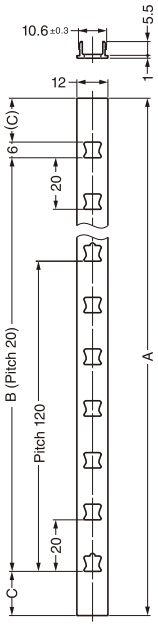
Material	Finish	Box(sets)
Steel	Body: Chromate (trivalent) Head: Paint/Silver, White, Black	100

Item Code	Item Name	Type	A	B	C	D	E	Material	Finish	Holes	Weight(g)	Carton(pcs)
120-030-086	AP-DM1820	Surface Mount	1820	1800	10	1780	17	Aluminium Alloy	Anodized Silver	16	106	100
120-016-209	AP-DM1820WT	Surface Mount	1820	1800	10	1780	17	Aluminium Alloy	White	16	106	100
120-025-260	AP-DM1820BL	Surface Mount	1820	1800	10	1780	17	Aluminium Alloy	Black	16	106	100
120-045-700	AP-DM1820BZ	Surface Mount	1820	1800	10	1780	17	Aluminium Alloy	Anodized Bronze	16	106	100
120-030-087	AP-DM2600	Surface Mount	2600	2520	40	2500	47	Aluminium Alloy	Anodized Silver	22	150	60

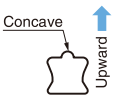
LAMP ALUMINIUM PUSH IN SHELF STANDARD AP-DH

Latest Info





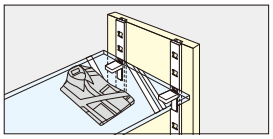
- Aluminium shelf standard makes it easy to cut to proper length even while attached to wood or while bundled up.
- Push in type does not require screws for installation
- New design holds objects firmly and prevents shelf support from being dislodged by unintentional force or contact.

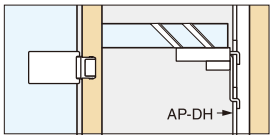


Sold Separately

- Shelf support AP-FB20 (P.914)

Application Example



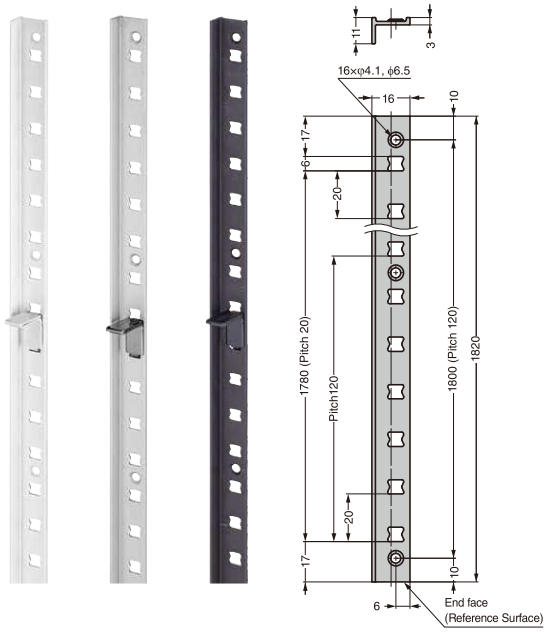


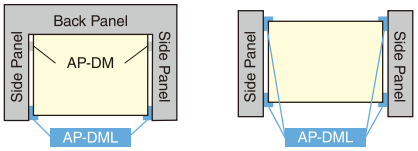
Item Code	Item Name	Type	A	B	C	Material	Finish	Weight(g)	Carton(pcs)
120-030-088	AP-DH1820	Recessed Mount	1820	1780	17	Aluminium Alloy	Anodized Silver	100	100
120-036-269	AP-DH1820BL	Recessed Mount	1820	1780	17	Aluminium Alloy	Anodized Black	100	100
120-045-701	AP-DH1820BZ	Recessed Mount	1820	1780	17	Aluminium Alloy	Anodized Bronze	100	100
120-030-089	AP-DH2600	Recessed Mount	2600	2500	47	Aluminium Alloy	Anodized Silver	165	60

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ANTI-SLIDE ALUMINIUM SHELF STANDARD AP-DML For AP-DM NEW

Latest Info





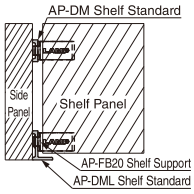
- For use with AP-DM.
- Designed to prevent shelves from falling or sliding back and forth.
- When used in combination with the Shelf Retainer AP-FE40-LGR (sold separately) (P.916), vertical shifting of the shelf panel can be prevented.
- Easy to cut to desired length.

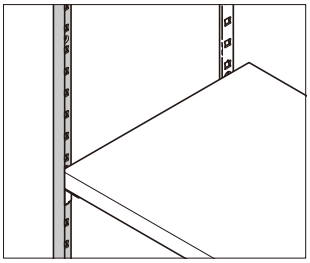
Sold separately
- Shelf Retainer AP-FE40-LGR (P.916)
- Shelf Support AP-FB20 (P.914)
- Shelf Support Cap AP-FC20 (P.914)
- End Cap AP-ECL14 (P.915)

Optional Items
- Shelf Standard Plasterboard Pin Set AP-SK type (P.913), Plaster Pin Mounting Tool SK-JIG10-GN (P.913)

Recommended Screws
- Nominal 3 cross-recessed tapping screw, or nominal 3.1 countersunk head wood screw.

Installation

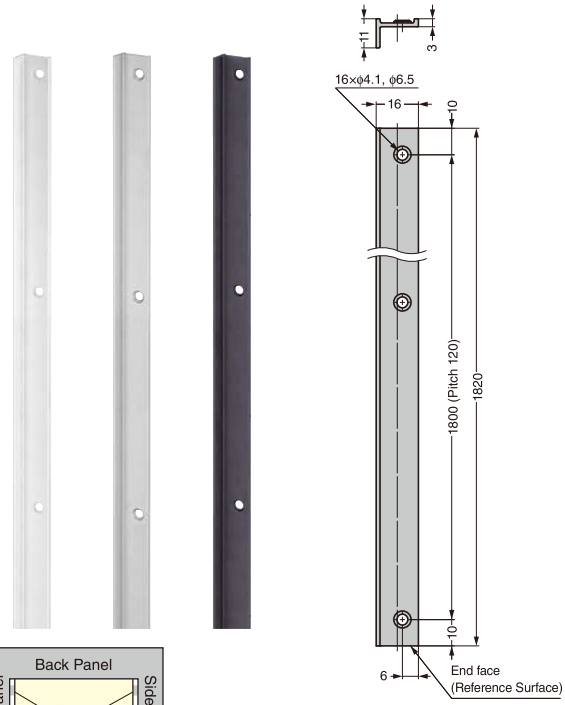


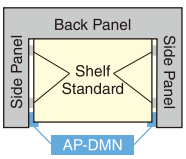


Item Code	Item Name	Material	Finish	Holes	Carton (pcs)
120-055-372	AP-DML1820SL	Aluminium Alloy	Anodized Silver	16	50
120-055-378	AP-DML1820WT		White		
120-055-373	AP-DML1820BL		Anodized Black		

LAMP ANTI-SLIDE ALUMINIUM SHELF STANDARD AP-DMN Without Hole Type NEW

Latest Info





Can be utilised with other shelf standards to prevent sliding.

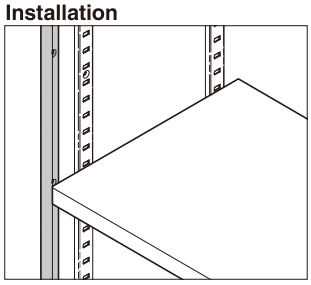
- Designed to prevent shelves from falling or sliding back and forth.
- Easy to cut to desired length.

Caution
- Please use together with the following shelf brackets SPH (P.897), SP, SPS (P.899), SM (P.905), SPN (P.907), SPW (P.908), SPE (P.909).

Sold separately
- End Cap AP-ECL14 (P.915)

Recommended Screws
- Nominal 3 cross-recessed tapping screw, or nominal 3.1 countersunk head wood screw.

Installation



Item Code	Item Name	Material	Finish	Holes	Carton (pcs)
120-055-375	AP-DMN1820SL	Aluminium Alloy	Anodized Silver	16	50
120-055-379	AP-DMN1820WT		White		
120-055-376	AP-DMN1820BL		Anodized Black		

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF STANDARD FASTENER FOR PLASTERBOARD AP-SK for AP-DM and SPE NEW

Latest Info



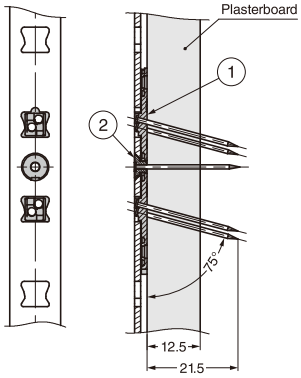
- Designed to mount the AP-DM (P.911) and SPE (P.909) onto plasterboard with thicknesses of 9.5/12.5mm.
- Easy Installation: attach the fastener plate to the shelf standard and insert the pins.
- No precise positioning required. The pins are inserted directly from the front.
- Individual packages are also available. (AP-SK-D)

INSTRUCTION

Parts Included
- Plaster pin ϕ1.0×25 (stainless steel)

Remarks
- Mount the fastner plate using all the screw holes in the shelf standard.
- When using four shelf supports for one shelf plate, the load capacity is 343N (35kgf).
- Mount the shelf standard to a base with sufficient load-bearing capacity.
- Cannot be used with the Shelf Standard Storage System AP-S (P.918 - 921).

Shelf Standard Mounting Dimensions



Product Package

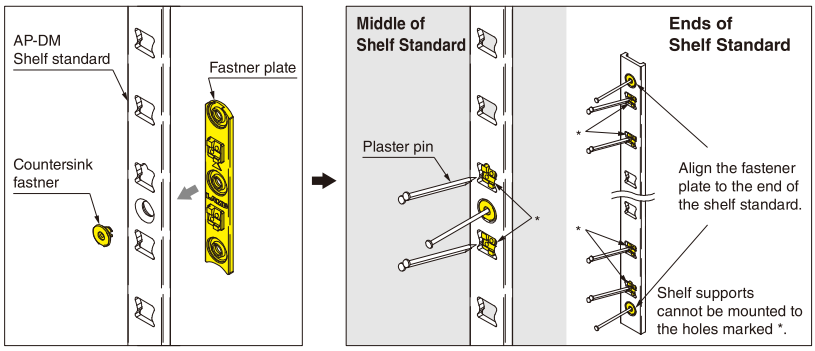


AP-SK-D

Usage Image

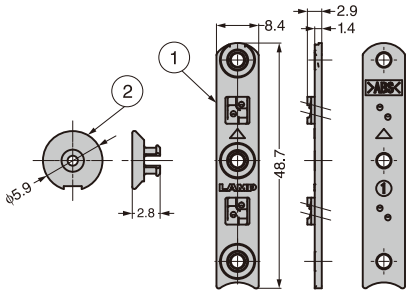


2-Step Installation



(1) Mount fastener on shelf standard

(2) Drive plaster pins into wall



No.	Part Name	Material	Colour	Quantity
①	Fastener Plate	ABS	Light gray	16 pcs
②	Countersink Fastener			20 pcs

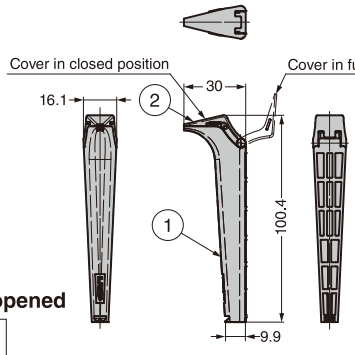
This product is sold in units of 1 set (16 fastner plate, 20 countersink fastner, 85 plaster pins). When ordering, "1" is for one set.

Item Code	Item Name	Package	Weight (g)	Box (set)	Carton (set)
120-044-618	AP-SK	Bag	29	60	600
120-044-619	AP-SK-D	Individually packaged box	43	20	200

LAMP PLASTER PIN MOUNTING TOOL SK-JIG10-GN NEW

Latest Info





Cover fully opened

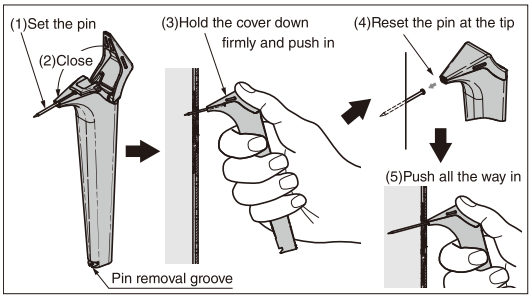


- The plaster pin can be inserted into the plasterboard safely and effortlessly, eliminating the need for a hammer.
- Compatible with mounting SP-SK (P.900), AP-SK (P.913), and PXB Nordic Rubber Hook (P.797).

INSTRUCTION

Remarks
- Firmly hold down the cover during use to prevent potential damage to the pin or injury.
- For plaster pin ϕ1.0×25. Not compatible with other pin sizes

Installation Dimensions



No.	Part Name	Material	Colour
①	Mounting tool body	Polypropylene (PP)	Green
②	Mounting tool cover		

Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
120-044-620	SK-JIG10-GN	8	20	200

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF SUPPORT AP-FB20

Latest Info

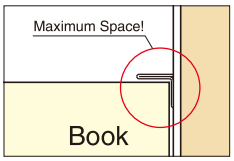


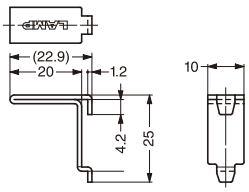
- Mirror & Black colour available.
- For AP-DM and AP-DH (P.911).
- Designed to maximize the space under the shelf.

TEST METHOD 9 | SUS

Sold Separately
- Shelf support cap AP-FC20 (P.914)
- Shelf holder AP-FA20 (P.915)
- Shelf holder AP-FK20 (P.917)

Application Example





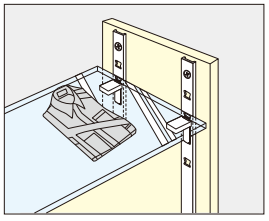
Item Code	Item Name	Material	Finish	Load Capacity/4 pcs		Weight(g)	Box(pcs)	Carton(pcs)
120-030-158	AP-FB20	Stainless Steel (SUS430)	Mirror	441 N	45 kgf	5.3	300	3000
120-025-835	AP-FB20BL	Stainless Steel (SUS430)	Black	441 N	45 kgf	5.3	300	3000
120-036-305	AP-FB20WT	Stainless Steel (SUS430)	White	441 N	45 kgf	5.3	300	3000
120-046-443	AP-FB20BZ	Stainless Steel (SUS430)	Bronze	441 N	45 kgf	5.3	300	3000

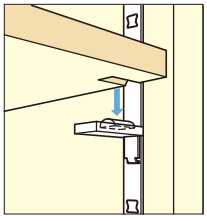
LAMP SHELF SUPPORT CAP AP-FC20

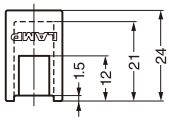
Latest Info

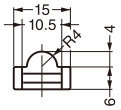


- Light Grey & Black colour available.
- For shelf support AP-FB20.
- Insert the cap with half round shape facing up, and cutout the shelf to prevent from sliding.









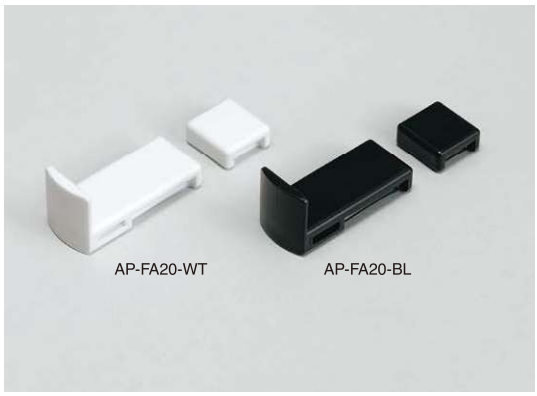


Item Code	Item Name	Material	Colour	Weight(g)	Box(pcs)	Carton(pcs)
120-030-159	AP-FC20-LGR	Elastomer (TPE)	Light Grey	1.6	400	4000
120-028-502	AP-FC20-BL	Elastomer (TPE)	Black	1.6	400	4000
120-045-887	AP-FC20-BR	Elastomer (TPE)	Brown	1.6	400	4000

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

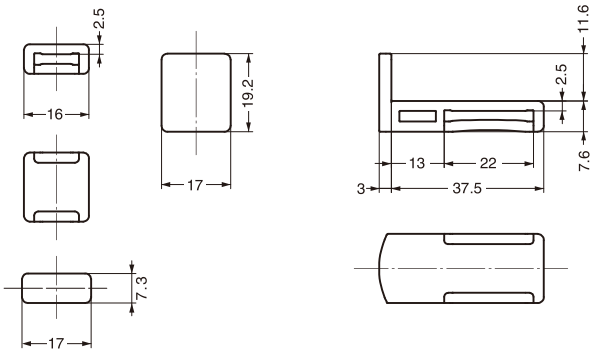
LAMP SHELF HOLDER AP-FA20

Latest Info

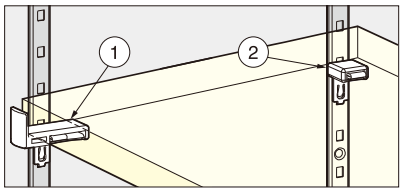


• Use with SPE-FB20S (P.910), AP-FB20 (P.914).

Remarks
• Sold in sets (2 parts). 2 sets are necessary for 1 shelf.



Installation



Shelf Support	Board Thickness	Distance (Centre of shelf standard to edge of the shelf board)	
		①	②
AP-FB20 (P.914)	Min.12	18 - 30	20
SPE-FB20S (P.910)	Min.12	17.5 - 30.5	21

Item Code	Item Name	Colour	Material	Weight	Box	Carton
120-024-539	AP-FA20-WT	White	Polyethylene (PE)	4.9 g	100 pcs	2500 pcs
120-026-164	AP-FA20-BL	Black	Polyethylene (PE)	4.9 g	100 pcs	2500 pcs

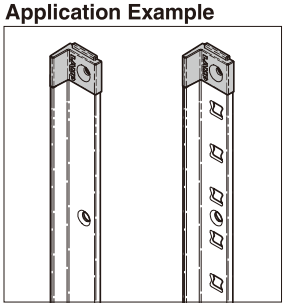
LAMP END CAP AP-ECL14 NEW

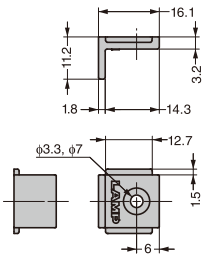
Latest Info

• For AP-DML (P.912), AP-DMN (P.912).



Application Example





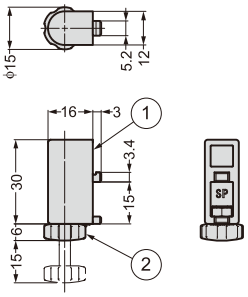
Item Code	Item Name	Material	Colour	Box (pcs)	Carton (pcs)
120-055-380	AP-ECL14-LGR	ABS	Light Grey	400	4,000
120-055-381	AP-ECL14-BL		Black		

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

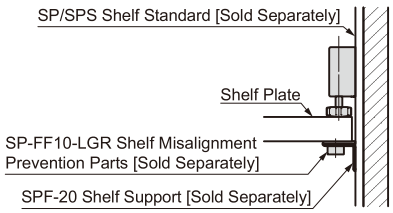
LAMP SHELF RETAINER SP-FE30-LGR For SP, SPS NEW

Latest Info





Application Example



- Secures shelves in position, preventing unintentional lifting and dislodging.
- Can support various shelf thicknesses by changing the mounting position and screw length.
- Can also be used together with SPB-200.

Remarks

- Do not overtighten the screws. Damage to the product may result.
- Mount in two locations towards the front of the shelf board.

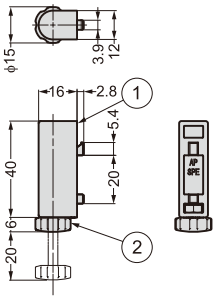
No.	Part Name	Material
①	Body	Polyacetal (POM)
②	Screw Cap	Elastomer (TPE)

Item Code	Item Name	Material	Colour	Box (pcs)	Carton (pcs)
120-054-810	SP-FE30-LGR	Polyacetal (POM)	Light gray	–	–

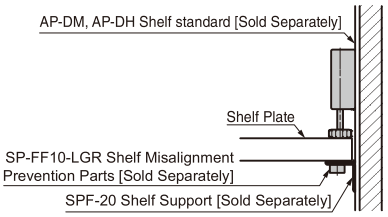
LAMP SHELF RETAINER AP-FE40-LGR For AP-DM, AP-DH, SPE NEW

Latest Info





Application Example



- Secures shelves in position, preventing unintentional lifting and dislodging.
- Can support various shelf thicknesses by changing the mounting position and screw length.
- Can also be used together with AP-FB120.

Remarks

- Do not overtighten the screws. Damage to the product may result.
- Mount in two locations towards the front of the shelf board.

Feature

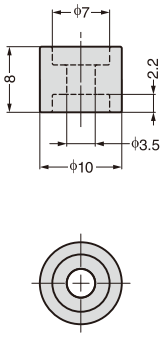
No.	Part Name	Material
①	Body	Polyacetal (POM)
②	Screw Cap	Elastomer (TPE)

Item Code	Item Name	Material	Colour	Box (pcs)	Carton (pcs)
120-054-811	AP-FE40-LGR	Polyacetal (POM)	Light gray	–	–

LAMP SHELF ANCHOR SP-FF10-LGR NEW

Latest Info



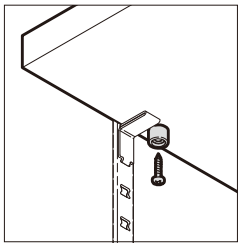


- By securely attaching to the bottom side of the shelf board with a screw, the holder effectively prevents any shifting or back-and-forth movement of the shelves.

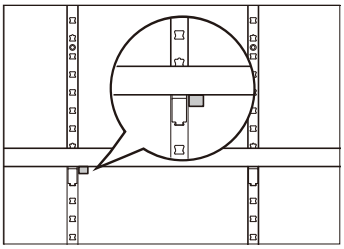
Parts Included

- Bind head tapping screw nominal 3×16

Installation position



Side view



Will not slide forward

Feature

Sold in 1 pack (12 pcs).

Item Code	Item Name	Material	Colour	Box (pcs)	Carton (pcs)
120-054-812	SP-FF10-LGR	ABS	Light gray	–	–

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELF HOLDER WITH ANGLE ADJUSTING FUNCTION AP-FK20

Latest Info



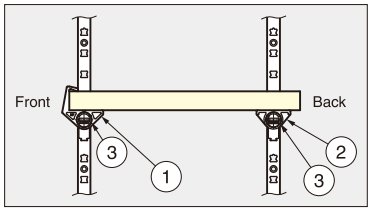


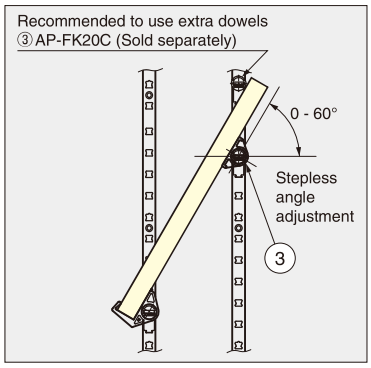
- Stepless angle adjustment.
- For SPE-FB20S (P.910) and AP-FB20 (P.914).

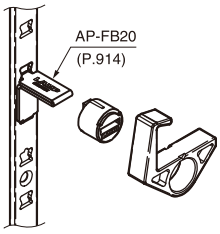
Remarks
- Sold in sets (① 2 pcs, ② 2 pcs, ③ AP-FK20C 4 pcs).

Sold Separately: Extra Dowel
- Dowel AP-FK20C (P.918) is sold separately for additional use.

Installation

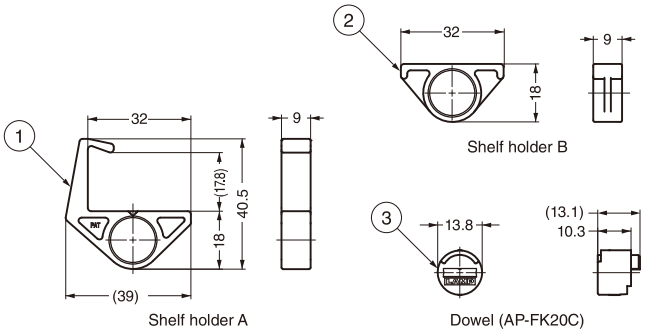






Application Example





No.	Part Name	Colour	Material
①	Shelf Holder A	White	Polyacetal (POM)
②	Shelf Holder B	White	Polyacetal (POM)
③	Dowel	White	Polyethylene (PE)

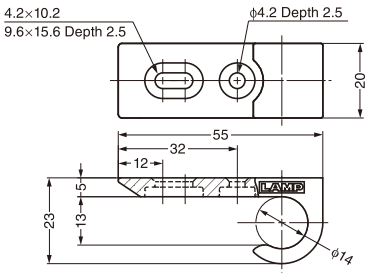
Item Code	Item Name	Door Thickness	Load Capacity		Weight	Box
120-024-536	AP-FK20	18 - 20	98 N	10 kgf	20 g	200 sets

*AP-FK20×2 pcs./Angle: 60°

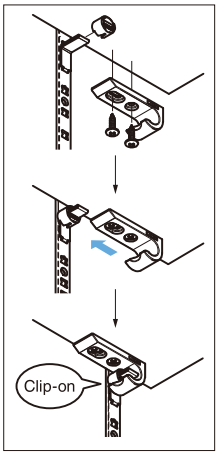
LAMP SHELF SUPPORT HOOK AP-FK20D

Latest Info





How to Install



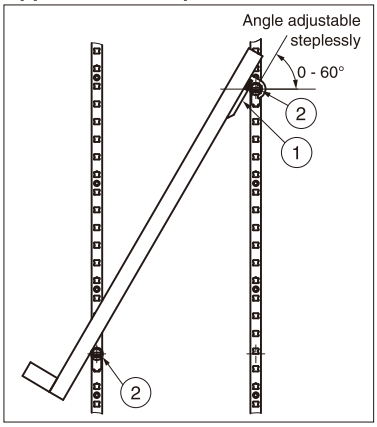
- Shelf support hook to be used with dowel AP-FK20C and shelf support.
- Recommended angle: 0 - 60°.
- Temporary holding feature.

SCREW

Remarks
- Used in pairs.
- Dowel AP-FK20C and shelf support is sold separately (See P.918).

Parts Included
- Truss head tapping screw 4×16 (SUS) 2 pcs.

Application Example



① AP-FK20D
② AP-FK20C (Sold separately)

Item Code	Item Name	Material	Colour	Door Thickness	Load Capacity		Weight	Box
120-030-482	AP-FK20D	Polyacetal (POM)	White	Min.18	294 N	30 kgf	12 g	40 pcs

*AP-FK20D × 2 pcs. / Angle: 60°

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

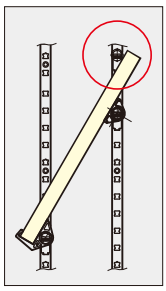
LAMP DOWEL AP-FK20C

Latest Info



Installation

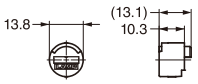


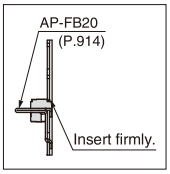


- Recommended to use extra pieces for AP-FK20 (P.917) to hold angled shelf.
- For SPE-FB20S (P.910) and AP-FB20 (P.914).

Remarks

- 4 pcs are originally included in shelf holder AP-FK20.



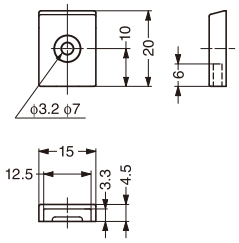


Item Code	Item Name	Colour	Material	Weight	Box
120-024-538	AP-FK20C	White	Polyethylene (PE)	1.0 g	1000 pcs

LAMP END CAP AP-EC20

Latest Info





Application Example



- Light Grey & Black colour available.
- For AP-DM (P.911) and SPE (P.909).

Item Code	Item Name	Material	Colour	Weight(g)	Box(pcs)	Carton(pcs)
120-030-157	AP-EC20-LGR	ABS	Light Grey	1.0	400	4000
120-028-503	AP-EC20-BL	ABS	Black	1.0	400	4000
120-045-888	AP-EC20-BR	ABS	Brown	1.0	400	4000

LAMP STORAGE TRAY FOR SHELF STANDARD AP-SB350-SL For AP-DM

Latest Info

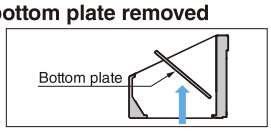


- Designed to install to the shelf standard for storing small articles.
- Can be used as a towel rack when bottom plate is removed.
- Recommended to install on the back side of the cabinet door using heavy duty concealed hinge J95.

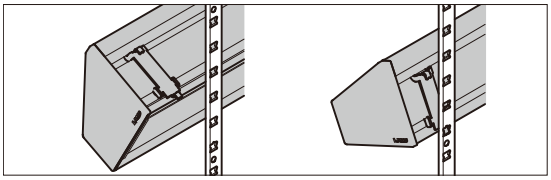
INSTRUCTION

Application Example With bottom plate removed





How to Install

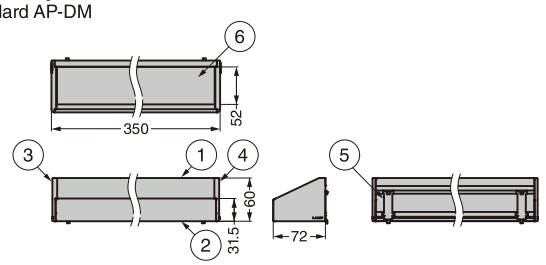


Remarks

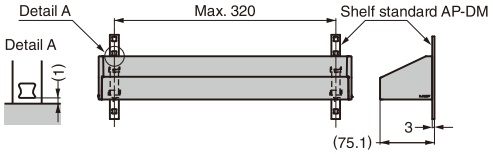
- The spacing between shelf standards shall be within 320 mm.
- Before installing or removing the product, please read the label attached to the product or the installation instruction on our website.

Sold Separately

- Shelf standard AP-DM



Installation



Installation

No.	Part Name	Material	Finish / Colour
①	Base Plate A	Aluminium Alloy	Anodized Silver
②	Base Plate B		
③	End Cap L	ABS	White
④	End Cap R		
⑤	Bracket	Stainless Steel (SUS304)	Barrel Polished
⑥	Bottom Plate	Aluminium Alloy	Anodized Silver

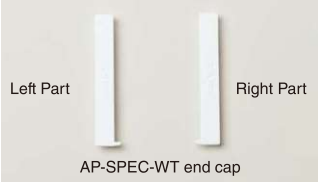
Item Code	Item Name	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
120-036-232	AP-SB350-SL	49	5	540	1	20

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PLATE FOR SHELF STANDARD SYSTEM AP-SP For AP-DM

Latest Info







Installation

- A plate that attaches to the AP-DM shelf standard to hang various optional parts.
- The installation method is the same as for the AP-SB350-SL Plastic Box for Shelf Standard System.

INSTRUCTION

Remarks

- When mounting or removing the product, be sure to read the sticker included or the instruction manual on our website.
- After mounting, check that the top of the plate and part A are aligned as shown in Part A Details. If the holes of the shelf standard are covered or the plate is bent, the product may fall. Remove and reinstall.

Parts Included

- AP-SP345-SL only
- AP-SPEC-WT End Caps (Set of L and R)
- AP-SHB Bracket (x2)

*Not included with AP-SP1480-SL. Order the necessary quantity separately.

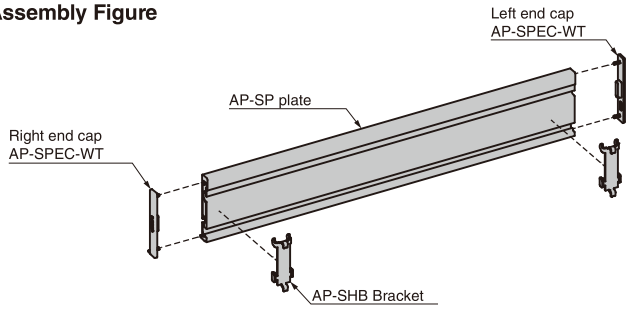
Sold Separately

- AP-SHB Bracket
- AP-DM Aluminium Shelf Standard

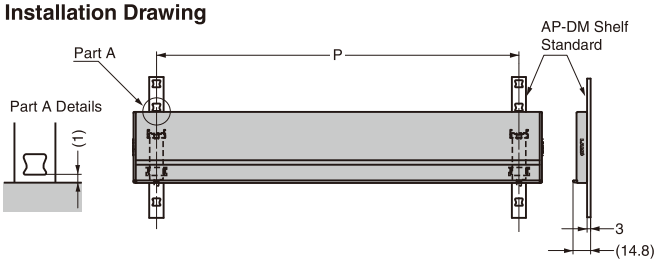
Optional Parts

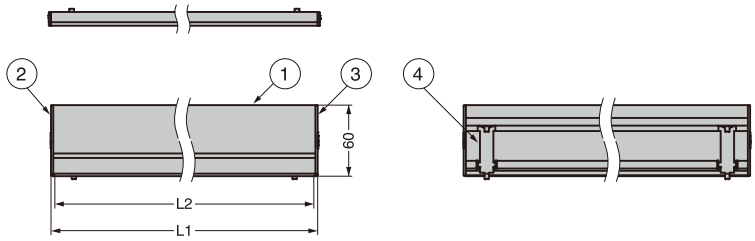
- AP-SPEC-WT End Caps (Set of L and R)
- AP-SH-WT Hook for Shelf Standard System
- AP-SBP150-WT Plastic Box for Shelf Standard System
- AP-S32PS Pipe Socket for Shelf Standard System

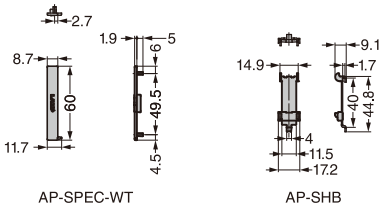
Assembly Figure



Installation Drawing







The figure shows the left part.

No.	Part Name	Material	Finish/Colour
①	Base Plate A	Aluminium Alloy	Silver Anodising
②	End Cap L	ABS Resin	White
③	End Cap R		
④	Bracket	Stainless Steel (SUS304)	Barrel Polished

The AP-SP345-SL comes with end caps and brackets (2 of each).
For the AP-SP1480-SL, order the necessary quantity separately.

Main Body

Item Code	Item Name	L1	L2	Max. Shelf Standard Pitch	Specifications	Weight (g)	Box	Carton (sets)
120-036-233	AP-SP345-SL	345	341.2	320	No Cutting Required	219	1 set	40
120-041-355	AP-SP1480-SL	–	1480	–	For Cutting	951	10 pcs	–

Brackets: Sold Separately

Item Code	Item Name	Material	Finish
120-041-479	AP-SHB	Stainless Steel (SUS304)	Gloss Barrel Polished

This product is sold in bags of 2 pieces each. An order quantity of 1 indicates one bag.

End Caps: Optional Parts

Item Code	Item Name	Material	Colour
120-041-480	AP-SPEC-WT	ABS Resin	White

This product is sold in bags containing one left part and one right part. An order quantity of 1 indicates one bag.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PLASTIC BOX FOR SHELF STANDARD SYSTEM AP-SBP150-WT For AP-DM

Latest Info

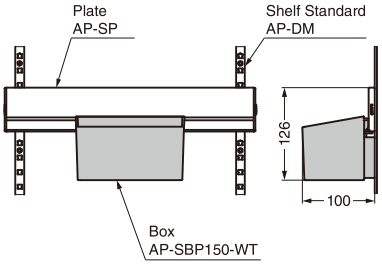


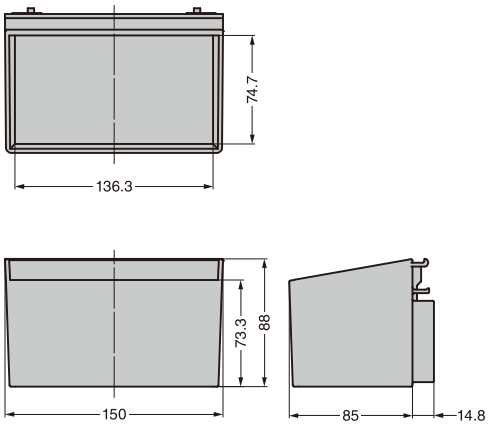
- A box that can be mounted to the AP-SP Plate for Shelf Standard System to store small items.
- Made from lightweight resin.
- One-touch installation on the plate.
- After installing, simply slide to the desired position.

INSTRUCTION

Sold Separately
- AP-DM Series
- AP-DM Aluminium Shelf Standard
- AP-SP Plate for Shelf Standard System

Installation

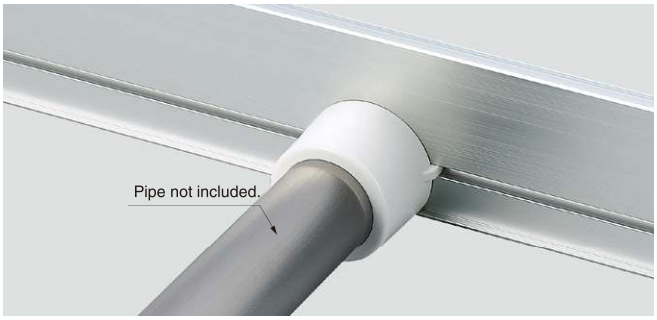




Item Code	Item Name	Material	Load Capacity N	Load Capacity kgf	Weight (g)	Carton (pcs)
120-041-354	AP-SBP150-WT	ABS Resin	19.6	2	195	40

LAMP PIPE SOCKET FOR SHELF STANDARD AP-S32PS For AP-DM

Latest Info

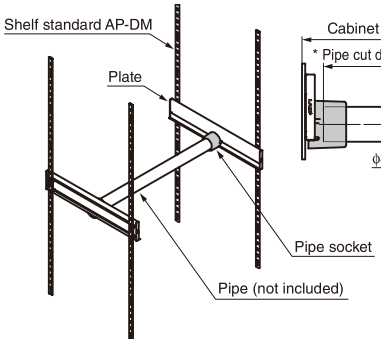


- Used for installing hanger pipe to the plate for shelf standard AP-SP345-SL.
- Sold in pairs.

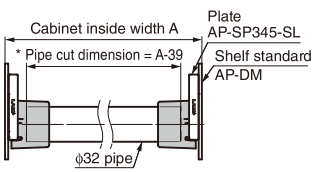
Remarks
- 4 shelf standards and 2 plates are required for installing a hanger pipe with this product.
- Hanger pipe not included.
- For hanger pipe length, please contact local representatives.
- Up to 2 pcs of pipe sockets can be installed on 1 pair of plates.

Sold Separately
- Shelf standard AP-DM
- Plate for shelf standard AP-SP345-SL

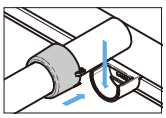
Installation Example

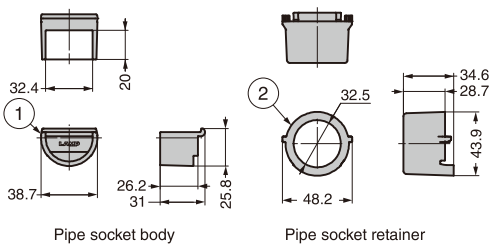


Installation



How to Install





Pipe socket body　　Pipe socket retainer

No.	Part Name	Material	Finish / Colour
①	Pipe Socket Body	Zinc Alloy (ZDC)	Clear Zinc Chromate (Trivalent)
②	Pipe Socket Retainer	ABS	White

Item Code	Item Name	Pipe Dia.	Load Capacity N/set	Load Capacity kgf/set	Weight (g)	Box (sets)	Carton (sets)
120-036-235	AP-S32PS	32	441	45	57	8	80

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP HOOK FOR SHELF STANDARD AP-SH-WT For AP-DM

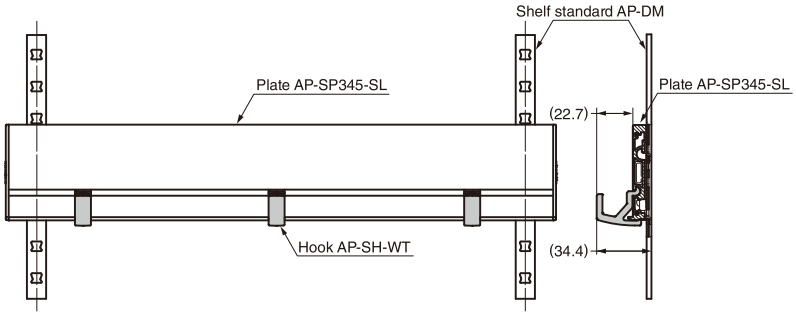
Latest Info

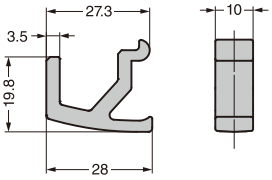
- Designed to install to the plate for shelf standard AP-SP345-SL.

Remarks
- Up to 5 hooks can be installed to 1 plate.

Sold Separately
- Shelf standard AP-DM
- Plate for shelf standard AP-SP345-SL

Installation





Item Code	Item Name	Material	Colour	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
120-036-234	AP-SH-WT	ABS	White	9.8	1	2	60	600

LAMP SHELF HOLDER AP-FB120 For AP-DM

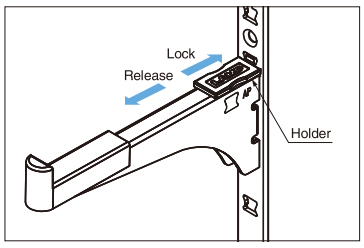
Latest Info

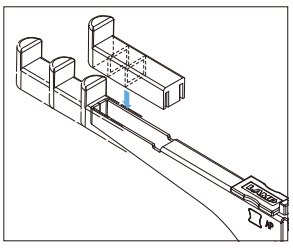


- Used in pairs.
- Holds shelves in place firmly and prevents slippage.
- Adjustable to 3 different lengths.
- Raised ends prevent shelves from detaching or falling off.
- Can also be used on glass.

SUS

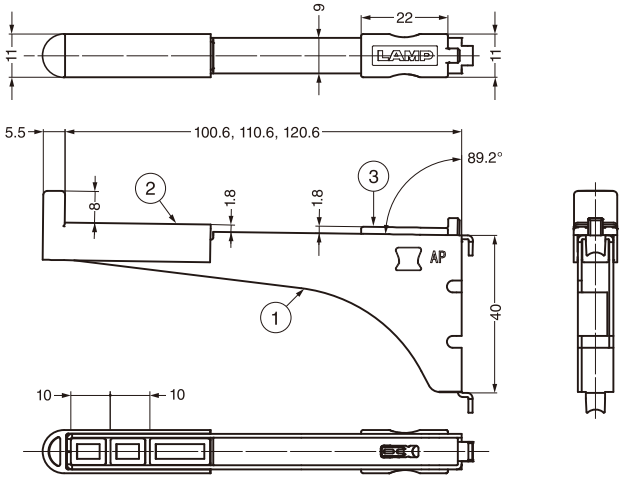
Remarks
- Maximum size of shelf board: Width 900 mm × 120 mm.
- Load capacity of below table is included the weight of the shelf board.





Depth is adjustable in 3 different positions.

Installation



Item Code	Item Name	Load Capacity N /2 pcs	Load Capacity kgf /2 pcs	Weight
120-032-997	AP-FB120	49 N	5 kgf	33 g

No.	Parts Name	Material	Finish/Colour
①	Body	Stainless (SUS430)	Satin
②	Holder	Polypropylene (PP)	White
③	Stopper	Polypropylene (PP)	White

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L Series

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS



Zwei L® High precision polish, artfully sculpted shine



STAINLESS STEEL HANDLE ZL-2001 (P.1029)



STAINLESS STEEL TOWEL BAR ZL-3201 (P.854)



STAINLESS STEEL TOWEL BAR ZL-3205 (P.855)



STAINLESS STEEL LEVER BOLT ZL-2402 (P.411)



STAINLESS STEEL HOOK ZL-2103 (P.784)



STAINLESS STEEL KNOB ZL-1906 (P.1111)

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L MIRROR SUPPORT ZL-3102-40

Latest Info





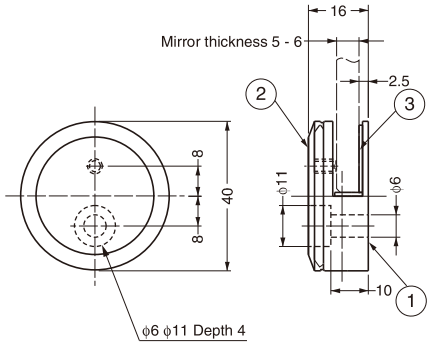
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

SUS316 SCREW

Concept

Remarks
- Mirror not included.
- Sold by piece.

Parts Included
- Round head wood screw 5.1×45 (SUS)
- Wall plug
- Hex key



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS316)	Zwei L Finish
②	Cover	Stainless Steel (SUS316)	Zwei L Finish
③	Bumper	Rubber	Black

Item Code	Item Name	Mirror Thickness	Weight	Box
120-031-006	ZL-3102-40	5 - 6	148 g	4 pcs

Zwei L MIRROR SUPPORT ZL-3101-200

Latest Info





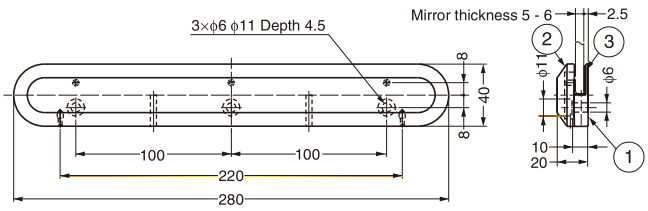
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

SUS316 SCREW

Concept

Remarks
- Mirror not included.
- Sold by piece.

Parts Included
- Round head wood screw 5.1×45 (SUS)
- Wall plug
- Hex key



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS316)	Zwei L Finish
②	Cover	Stainless Steel (SUS316)	Zwei L Finish
③	Bumper	Rubber	Black

Item Code	Item Name	Mirror Thickness	Weight	Box
120-031-005	ZL-3101-200	5 - 6	1192 g	1 pc

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L GLASS SHELF CLAMP ZL-2201

Latest Info



- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Comes with a lever adjuster to do fine adjustments and make sure the glass is level
- Designed to hold glass firmly
- Designed so that installation screw is not visible after installation

SUS316 | TEMPERED GLASS | SCREW

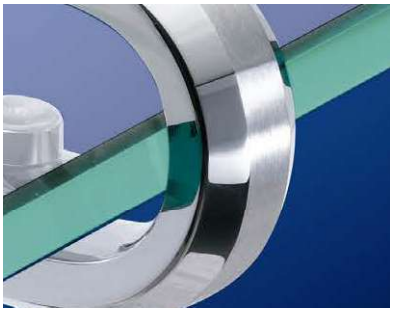
Remarks

- Glass thickness : 8 mm or 10 mm.
- Pilot hole ϕ14
- Sold by piece.

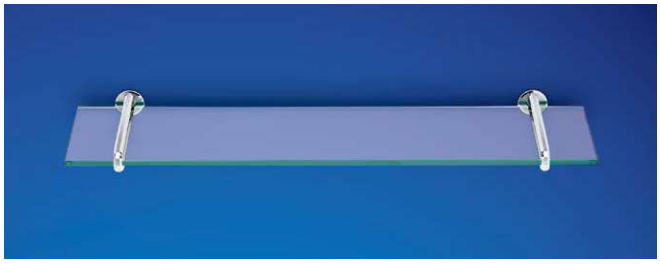
Parts Included

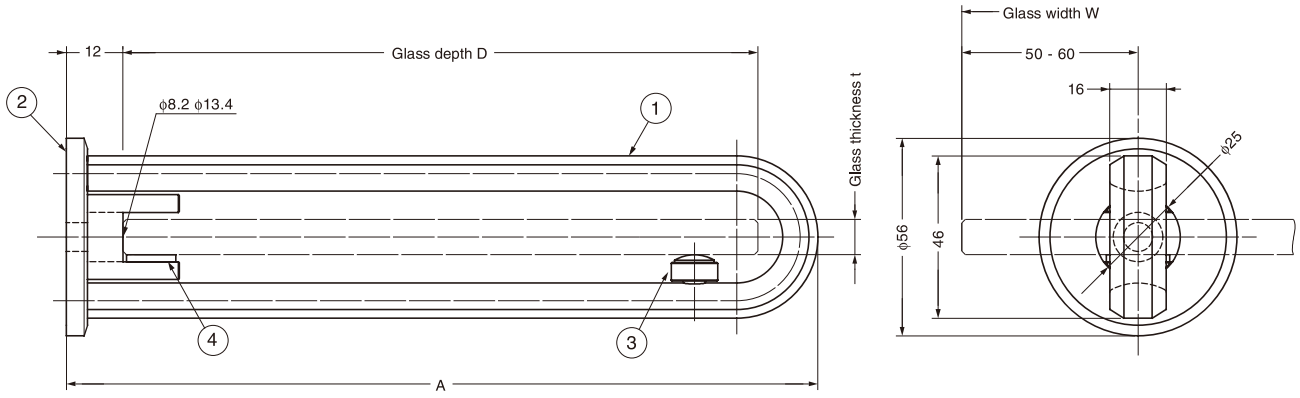
- Allen key 6
- Hexagon top bolt M8×55
- Plug M8

Concept

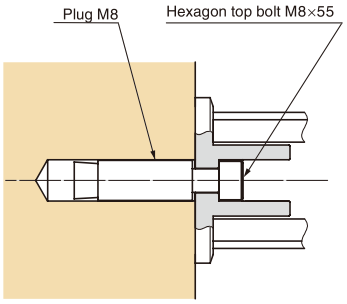


Installation Example





Installation



No.	Part Name	Material	Finish/Colour
①	Arm	Stainless Steel (SUS316)	Zwei L Finish
②	Mounting Plate	Stainless Steel (SUS316)	Zwei L Finish
③	Level Adjuster	Stainless Steel (SUS316) /Polyurethane (PUR)	Zwei L Finish/Clear
④	Bumper	Rubber	Black

Item Code	Item Name	A	Glass Size / 2 pcs			Weight	Box
			t	D	W		
120-031-000	ZL-2201-120	150	8 or 10	120	Max. 640	625 g	2 pcs
120-031-001	ZL-2201-180	210	8 or 10	180	Max. 800	625 g	2 pcs
120-031-002	ZL-2201-240	270	8 or 10	240	Max. 960	875 g	2 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L GLASS SHELF CLAMP ZL-2202

Latest Info



- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Designed so that installation screw is not visible after installation

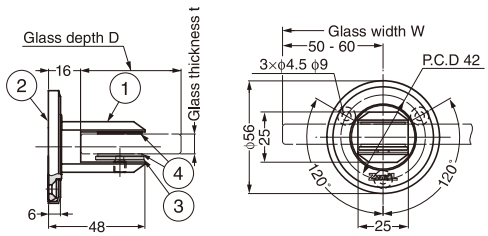
SUS316 | TEMPERED GLASS | SCREW

Remarks

- Glass thickness : 8 mm or 10 mm.
- Sold by piece.

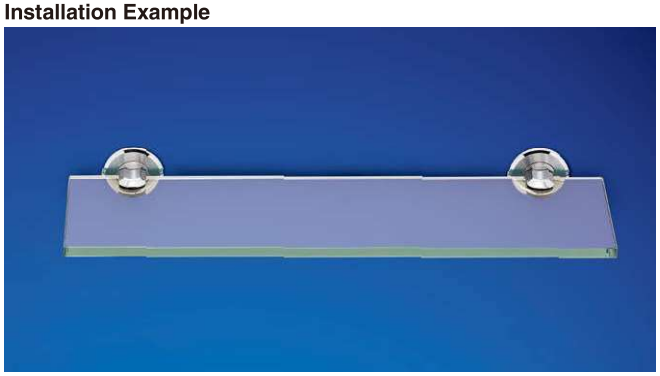
Parts Included

- Allen key 2.5
- Countersunk head wood screw 4.1×32
- Plug



Concept

Installation Example



No.	Part Name	Material	Finish/Colour
①	Clamp	Stainless Steel (SUS316)	Zwei L Finish
②	Base Plate	Stainless Steel (SUS316)	Zwei L Finish
③	Bumper Plate	Stainless Steel (SUS316)	Zwei L Finish
④	Bumper	Rubber	Black

Item Code	Item Name	Glass Size / 2 pcs			Weight	Box
		t	D	W		
120-031-003	ZL-2202	8 or 10	Max. 160	Max. 480	480 g	2 pcs

Zwei L GLASS SHELF CLAMP ZL-2203

Latest Info



- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Designed so that installation screw is not visible after installation

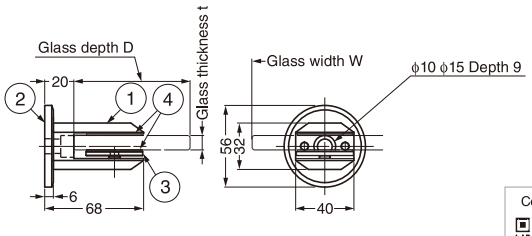
SUS316 | TEMPERED GLASS | SCREW

Remarks

- Glass thickness : 8 mm or 10 mm.
- Sold by piece.

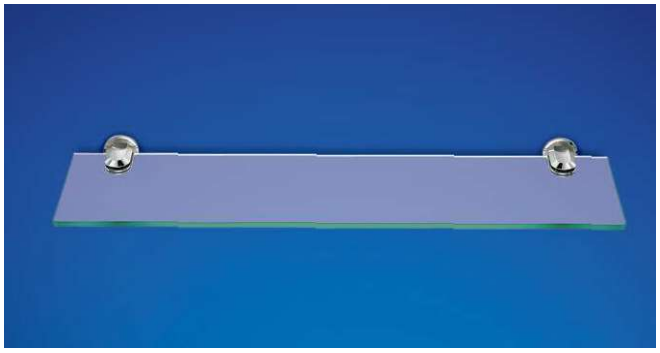
Parts Included

- Allen key 6
- Countersunk head wood screw M8×60
- Plug



Concept

Installation Example



No.	Part Name	Material	Finish/Colour
①	Clamp	Stainless Steel (SUS316)	Zwei L Finish
②	Base Plate	Stainless Steel (SUS316)	Zwei L Finish
③	Bumper Plate	Stainless Steel (SUS316)	Zwei L Finish
④	Bumper	Rubber	Black

Item Code	Item Name	Glass Size / 2 pcs			Weight	Box
		t	D	W		
120-031-004	ZL-2203	8 or 10	Max. 240	Max. 640	495 g	1 pc

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP Unit Shelf

Great variety of the optional parts for various spaces

- Simple design with aluminium alloy and glass.
- Great variety of fashionable and functional parts.
- Chamfered vertical frames and clamps in calm design.
- Vertical frame is made of light and strong aluminium alloy.
- Meets your requirements by combinating the optional parts.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

UNIT SHELF TYPE "C" XLA-US02C (P.927)



- Can also be used as partition.

Optional Parts

Glass Thickness		Wood Shelf	Center Panel	Back Side Panel
8 mm	10 mm			
○	○	○	○	–

UNIT SHELF TYPE "K" XLA-US02K (P.930)



- The shelf is clamped from bottom on the frame.
- Can also be used for wooden shelf.

Optional Parts

Glass Thickness		Wood Shelf	Center Panel	Back Side Panel
8 mm	10 mm			
–	○	○	○	–

Suits various space

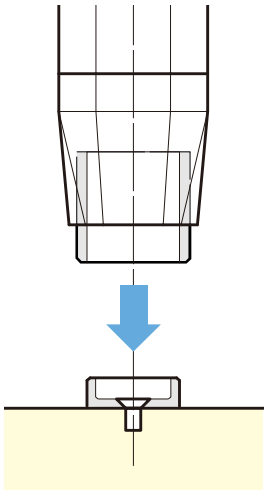
- Not only ceiling and floor but also fixable with wall and floor.
- Wooden shelves are also installable.
- Groove of the frame can be hidden with the original cover.



Fixable on wall.



Adjustable height by using the optional parts.



Prevents the slippage by using the optional part.



Wood shelf is also installable.

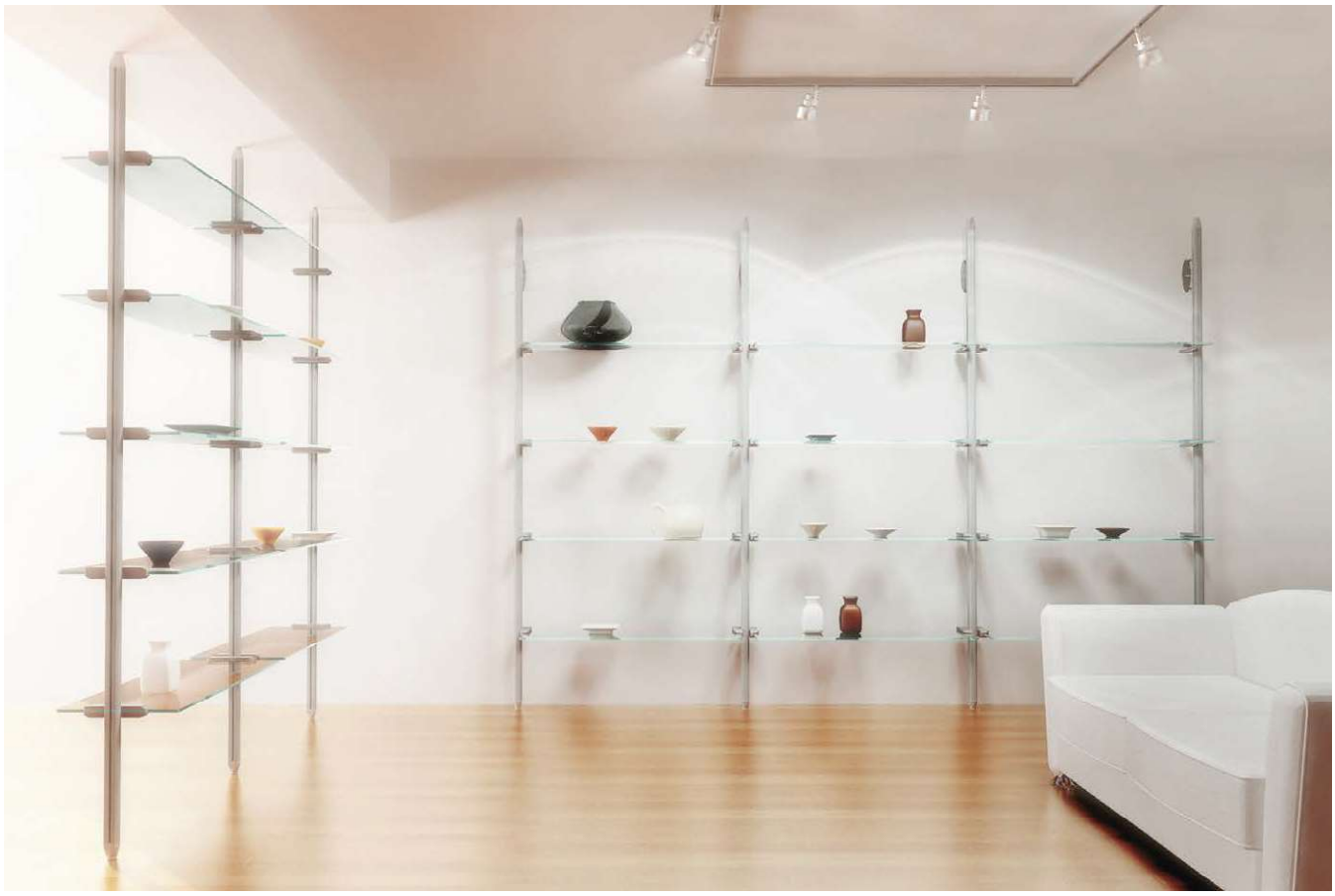


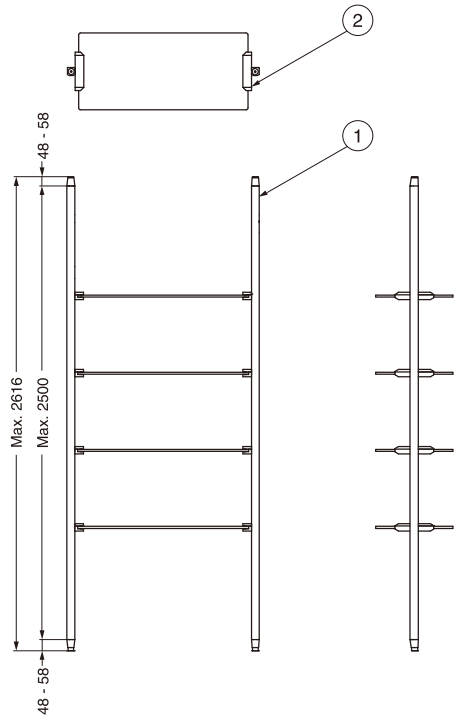
Cover for groove.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP UNIT SHELF TYPE "C" XLA-US02C

Latest Info



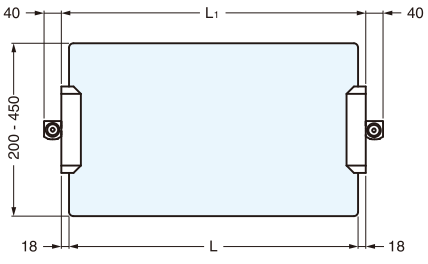


- Simple and modern design
- There is no front or back to the shelves and they can be used either way can also be used as partitioning shelves.
- When placed in the middle of an interior, provides a gentle feeling to the entire area.
- In the middle of the frame are large clamps which provide a strong feeling of stability to the shelves.
- Can be used with LED type glass shelves
- Shelf height can be adjusted freely.

Application

- Showcases, displays in retail stores, walk in closets, residential interiors

Glass Shelf Dimensions



L(Glass width) = L1 (Distance between frames)–36

Load Capacity N		343 N/Shelf
Load Capacity kgf		35 kgf/Shelf
Glass Thickness		8 or 10
Glass Width	Glass Width: 8 mm	Max. 1200
	Glass Width: 10 mm	Max. 1500
Glass Depth		200 - 450
Vertical-Frame Height		Max. 2500

XLA-US02C Parts Set (for 1 shelf)

Item Code	Item Name (set)	Weight
130-031-020	XLA-US02C	15.1 kg

- Parts Included

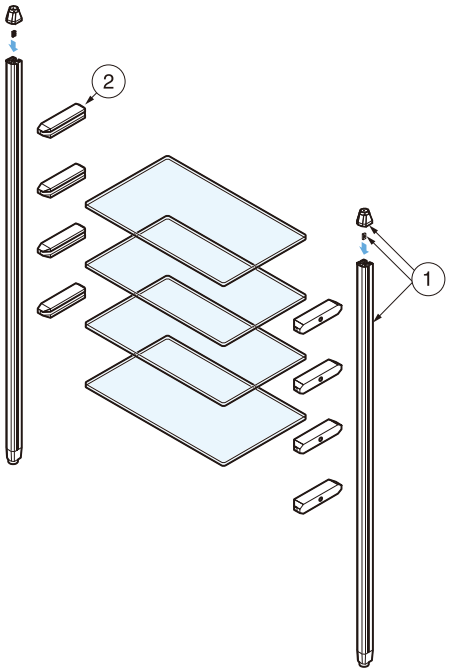
	Item Name	Part Name	Qty
①	XLA-US02-S007	Vertical Frame	2 sets
②	XL-US01-S200	Shelf Clamp (For Glass Shelf)	8 pcs

Glass is not included.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

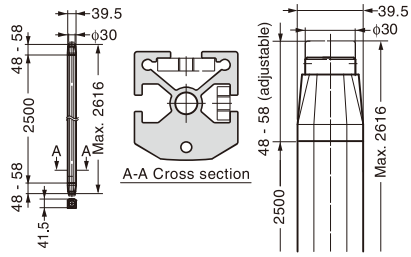
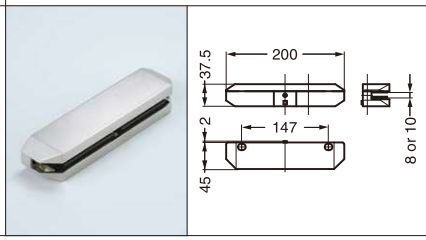
Detailed View



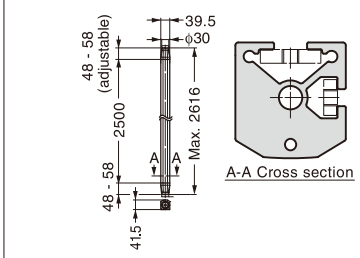
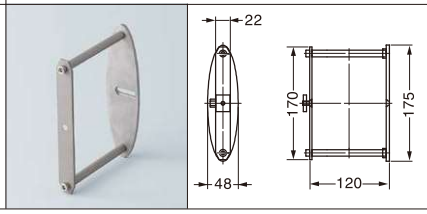

XL-US02-S008


XL-US02-S009

XLA-US02C Part Details

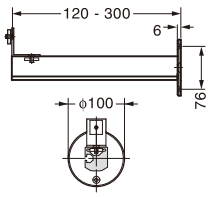
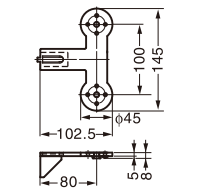
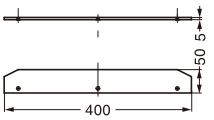
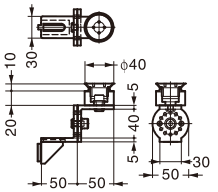
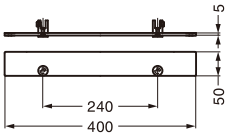
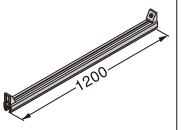
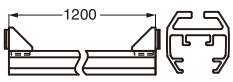
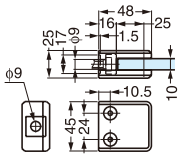
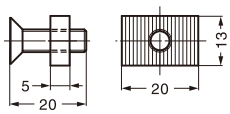
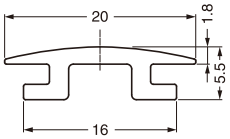
No.	Item Code	Item Name		Dimensions	Type	Qty
①	130-031-024	XLA-US02-S007	Vertical Frame (2 Slot Type)		• Material Aluminium, Zinc Alloy • Finish / Colour Anodized, Grey • Length Max. Height : 2600 mm (Floor to Ceiling) *Single slotted frame available. Please see XLA-US02-S006 below for details.	1 set
②	120-186-000	XL-US01-S200	Shelf Clamp (For Glass Shelf)		• Material Zinc Alloy, Elastomer • Finish / Colour Enamel, Silver • Glass Thickness 8 mm, 10 mm *2 Clamps necessary for 1 shelf. *Glass shelf not included.	1 pc

XLA-US02C Option Parts

Item Code	Item Name		Dimensions	Type	Qty
130-031-023	XLA-US02-S006	Vertical Frame (1 Slot Type)		• Material Aluminium, Zinc Alloy • Finish / Colour Anodized, Grey • Length Max. Height : 2600 mm (Floor to Ceiling)	1 set
130-188-732	XL-US02-S008	Wall Mounting Bracket		• Material 304 Stainless Steel, Steel • Finish / Colour Grey	1 pc

*SCS13 is equivalent of SUS304.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Item Code	Item Name		Dimensions		Type	Qty
130-180-591	XL-US02-S009	Wall Mounting Bracket			• Material 304 Stainless Steel, Steel • Finish / Colour Anodized	1 pc
130-031-027	XL-US02-S002	Shelf Support (For Wood Shelf)			• Material Stainless Steel (SCS13) • Finish / Colour Shot Blast	2 sets
130-180-553	XLA-US02-S014	Shelf Edge (For Wood Shelf)			• Material 304 Stainless Steel, Steel • Finish / Colour Anodized	1 pc
130-031-028	XL-US02-S003	Shelf Support for Glass (Angle Adjustable)			• Material Stainless Steel (SCS13) • Finish / Colour Shot Blast	2 sets
270-180-387	Z058	Adjustable Face Pin			Required to Install Shelf Support for Glass	1 pc
130-031-029	XLA-US02-S015	Shelf Edge (For Glass Shelf)			• Material Aluminium, Zinc Alloy • Finish / Colour Anodized, Matte Chrome *Prevents items from falling off. *For glass shelf. *To be mounted on front or back edge.	1 set
130-031-030	XL-US02-S004	Hanger for Horizontal Frame			• Material Aluminium, Zinc Alloy • Finish / Colour Matte Chrome	1 set
120-181-389	9344VA2	Centre Panel Clamp			• Material Stainless Steel SUS316 • Finish / Colour Satin	1 pc
130-031-034	XL-US02-S012	Centre Panel Fastener			• Material Steel • Parts Included Screw (Stainless Steel) • Finish / Colour Nickel	1 pc
270-940-959	AF-25-P01-25	Edge Cover			• Material PTE • Finish / Colour Grey	1 pc

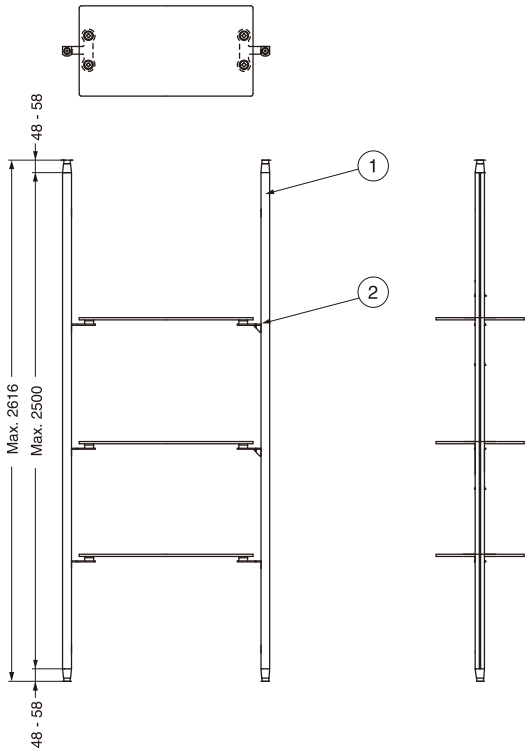
*SCS13 is equivalent of SUS304.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP UNIT SHELF TYPE "K" XLA-US02K

Latest Info





- The shelves support the frame for a strong feeling of stability.
- Glass lies flat and parallel on top of hardware for a clean and sleek appearance.
- Optional items (sold separately) include angle adjusters and wooden shelves.
- The shelf height can be adjusted freely even after installation

Application

- Showcases, displays in retail stores, walk in closets, residential interiors

Load Capacity N	490 N/Shelf
Load Capacity kgf	50 kgf/Shelf
Glass Thickness	10
Glass Width	Max. 1092
Glass Length	Max. 450
Height & Vertical Frame	Max. 2500

XLA-US02K Parts Set (for 1 shelf)

Item Code	Item Name (set)	Weight
130-031-022	XLA-US02K	12.4 kg

Parts Included

	Item Name	Part Name	Qty
①	XLA-US02-S007	Vertical Frame	2 sets
②	XL-US02-S001	Shelf Clamp (For Glass Shelf)	3 sets

Glass is not included.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

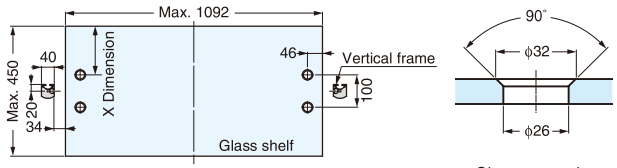
Application Example





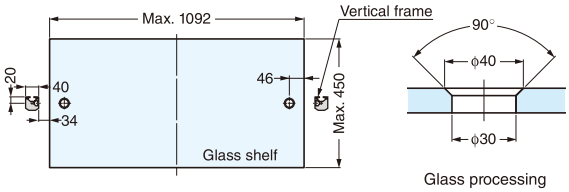
The shelf is adjustable every 30 degrees by an optional part.

Glass Shelf Dimension



Glass processing

Glass Shelf Dimension (For Angular Adjustment Shelf)



Glass processing

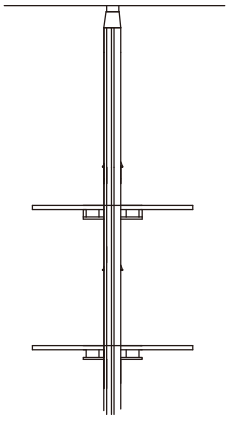
Dimension X

With	X
XL-US02-S008	70
XL-US02-S009	70 - 175

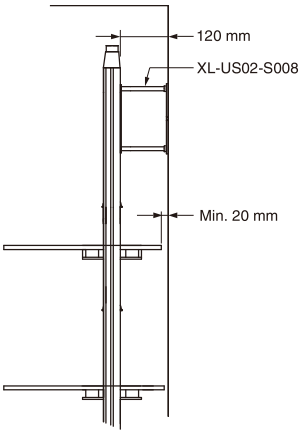
The dimension is different depend on how to fix vertical frame.

Install Variation of Vertical Frame

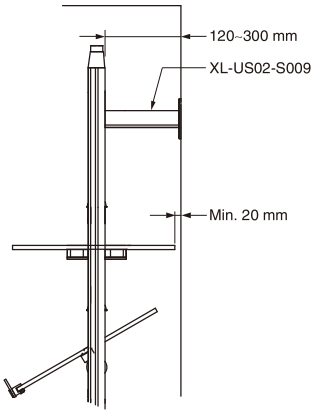
Fixing on roof and floor



Fixing on wall by Wall Mounting Bracket (XL-US02-S008)



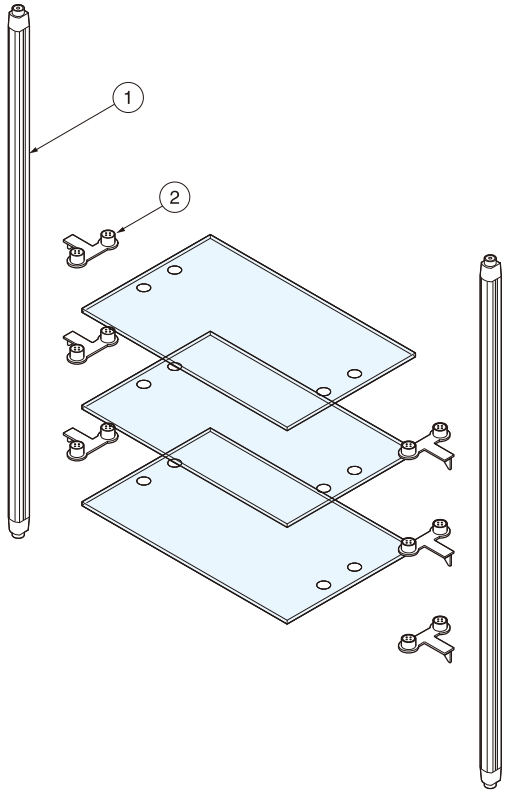
Fixing on wall by Wall Mounting Bracket (XL-US02-S009)



This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

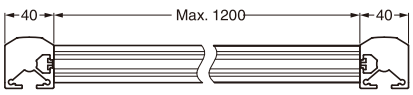
Detailed View



Installation

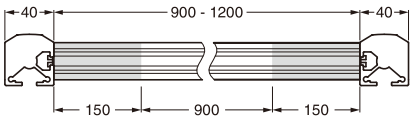
Used with XL-US02-S004 for hanging clothes.





Hanger bar XL-US02-S004

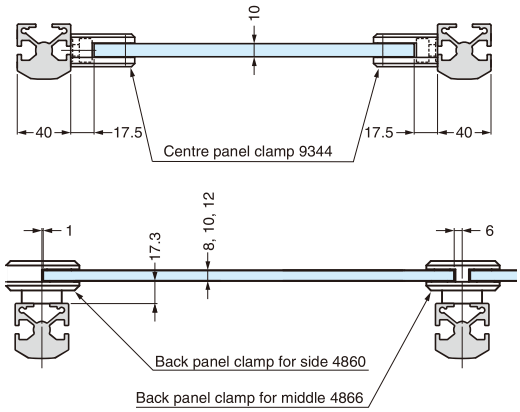




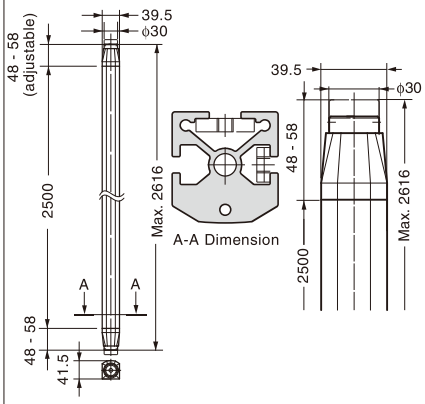
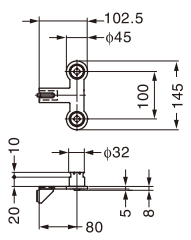
LED light bar XL-US02-S004L-B
XL-US02-S004L-W

Length (Max.)	1200
LED Position	Mid-900
Cut-off Range	Both ends 150

Installation



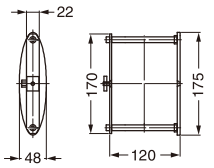
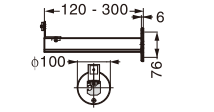
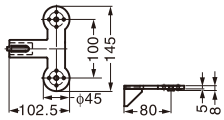
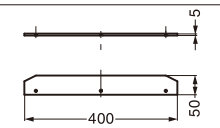
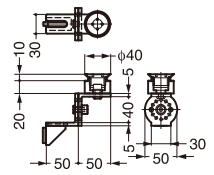
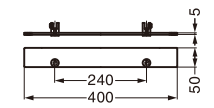
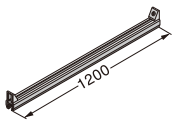
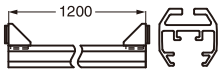
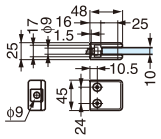
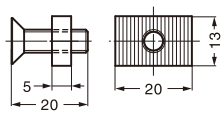
XLA-US02K Part Details

No.	Item Code	Item Name		Dimensions	Type	Qty
①	130-031-024	XLA-US02-S007	Vertical Frame (2 Slot Type)		• Material Aluminium, Zinc Alloy • Finish / Colour Anodized, Grey • Length Max. Height : 2600 mm (Floor to Ceiling)	1 set
②	130-031-026	XL-US02-S001	Shelf Support (For Glass)	 	• Glass Shelf Support for Type K. • Material Stainless Steel SCS13 • Finish / Colour Polished, Shot Blast	2 sets

*SCS13 is equivalent of SUS304.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

XLA-US02K Option Parts

Item Code	Item Name		Dimensions		Type	Qty
130-188-732	XL-US02-S008	Wall Mounting Bracket			• Material 304 Stainless Steel, Steel • Finish / Colour Grey	1 pc
130-180-591	XL-US02-S009	Wall Mounting Bracket			• Material 304 Stainless Steel, Steel • Finish / Colour Anodized	1 pc
130-031-027	XL-US02-S002	Shelf Support (For Wood)			• Material Stainless Steel (SCS13) • Finish / Colour Shot Blast	2 sets
130-180-553	XLA-US02-S014	Shelf Edge (For Wood Shelf)			• Material 304 Stainless Steel, Steel • Finish / Colour Anodized	1 pc
130-031-028	XL-US02-S003	Shelf Support For Glass (Angle Adjustable)			• Material Stainless Steel (SCS13) • Finish / Colour Shot Blast	2 sets
270-180-387	Z058	Adjustable Face Pin			Required to Install Shelf Support for Glass.	1 pc
130-031-029	XLA-US02-S015	Shelf Edge (For Glass Shelf)			• Material Aluminium, Zinc Alloy • Finish / Colour Anodized, Matte Chrome *Prevents items from falling off. *For glass shelf. *To be mounted on front or back edge.	1 set
130-031-030	XL-US02-S004	Hanger for Horizontal Frame			• Material Aluminium, Zinc Alloy • Finish / Colour Matte Chrome	1 set
120-181-389	9344VA2	Centre Panel Clamp			• Material Stainless Steel SUS316 • Finish / Colour Satin	1 pc
130-031-034	XL-US02-S012	Centre Panel Fastener			• Material Steel • Finish / Colour Nickel • Parts Included Screw (Stainless Steel)	1 pc

*SCS13 is equivalent of SUS304.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVEL ADJUSTABLE SHELVING SYSTEM VT-DS

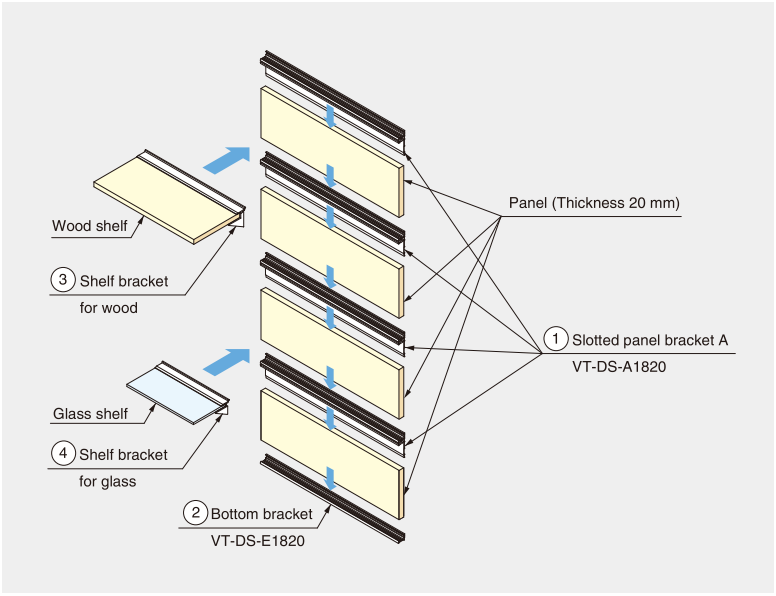
Latest Info

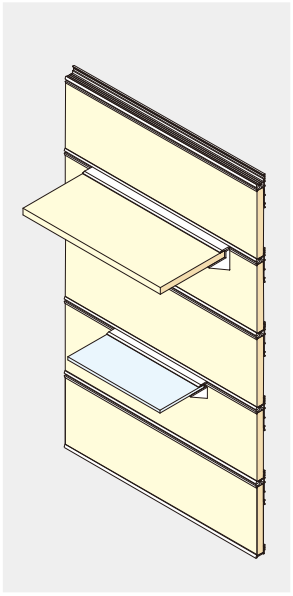


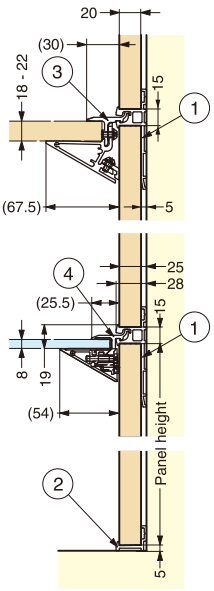
- Heavy load capacity freely adjustable slotted shelving system.
- Uses the wall to give an open feeling of a hanging display.
- Adjustment of layout, installation and removal of shelves can be done freely.
- Shelves are inserted into grooves in the wall.
- No need to bore grooves into the wall, installation is simple and easy.
- New feature makes it more difficult to remove shelves once they are set.
- Both glass and wooden shelves are available (both sold separately) so that you can produce the type of designs you are looking for.
- Shelf Size : Thickness - 20 mm Width - Max. 1820 mm Height - 105 - 405 mm *Shelf not included

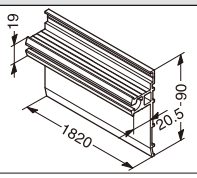
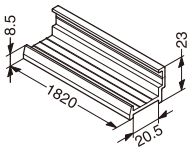
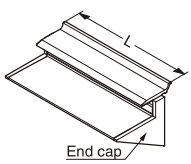
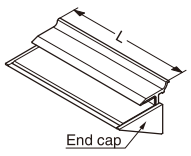
Application

- Displays in retail stores, walk in closets, residential interiors







	Item Code	Item Name		Dimensions	Material	Finish/ Colour	Length L	Panel Thickness	Shelf Board			Load Capacity*		Weight
									Width	Depth	Thickness			
①	130-031-205	VT-DS-A1820	Slotted Panel Bracket A		Aluminium Alloy	Anodized Silver	1820	20	–	–	–	–	–	2.6 kg
②	130-031-207	VT-DS-E1820	Top/ Bottom Bracket		Aluminium Alloy	Anodized Silver	1820	20	–	–	–	–	–	0.8 kg
③	130-031-201	VT-DS-X-450	Shelf Bracket for Wood		Aluminium Alloy, ABS	Anodized Silver, Grey	443	–	450 - 600	150 - 300	18 - 22	392 N	40 kgf	1.2 kg
	130-031-202	VT-DS-X-800					793		800 - 900					2.0 kg
④	130-031-203	VT-DS-G-450	Shelf Bracket for Glass		Aluminium Alloy, ABS	Anodized Silver, Grey	443	–	450 - 600	150 - 300	8	98 N	10 kgf	0.8 kg
	130-031-204	VT-DS-G-685					678		685 - 900					1.2 kg

*Load capacity does not include weight of shelf.

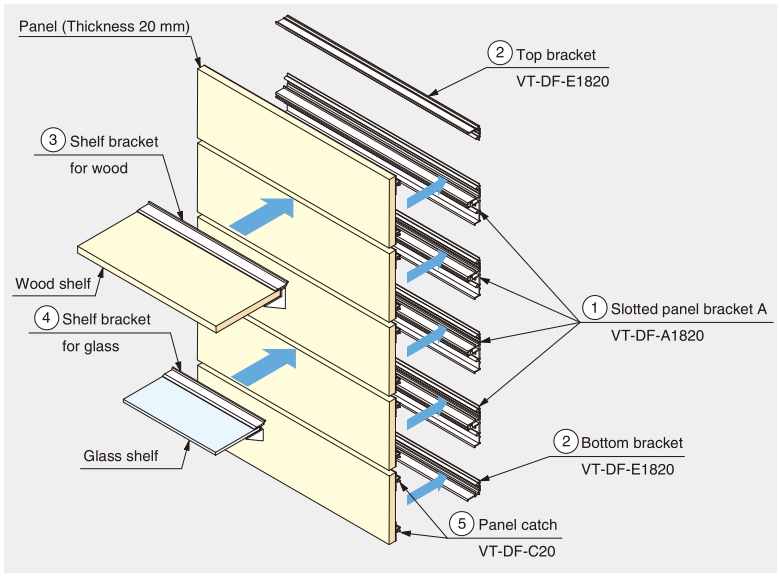
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

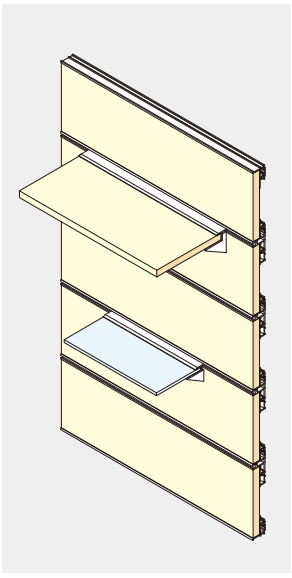
LAMP LEVEL ADJUSTABLE SHELVING SYSTEM VT-DF

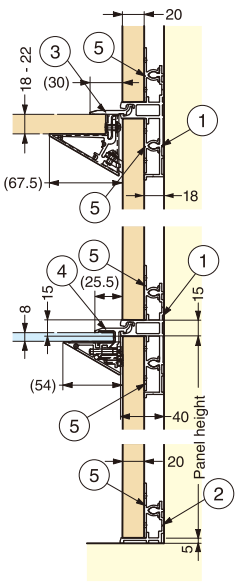
Latest Info

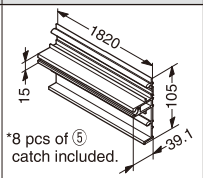
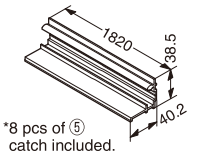
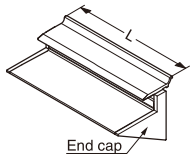
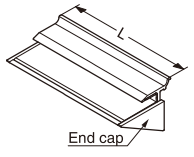
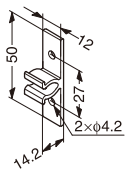


- Slotted shelving system for flexible layout.
- Shelves can be installed anywhere in the slot.
- Simple and easy installation.
- Use with desired panel to match the surrounding design.
- Snap-in type catch for easy panel installation.
- Panel Size : Thickness - 20 mm
  Width - Max. 1820 mm
  Height - 105 - 405 mm
  *Panel not included
- Designed to have space behind panels for electric wiring.
- Shelf bracket for wood or glass available. (Shelf board not included)
- Level adjustable.







	Item Code	Item Name		Dimensions	Material	Finish/ Colour	Length L	Panel Thickness	Shelf Board			Load Capacity*		Weight
									Width	Depth	Thickness			
①	130-031-206	VT-DF-A1820	Slotted Panel Bracket A	 *8 pcs of ⑤ catch included.	Aluminium Alloy	Anodized Silver	1820	20	–	–	–	–	–	3.4 kg
②	130-031-208	VT-DF-E1820	Top/Bottom Bracket	 *8 pcs of ⑤ catch included.	Aluminium Alloy	Anodized Silver	1820	20	–	–	–	–	–	1.4 kg
③	130-031-201	VT-DS-X-450	Shelf Bracket for Wood		Aluminium Alloy, ABS	Anodized Silver, Grey	443	–	450 - 600	150 - 300	18 - 22	392 N	40 kgf	1.2 kg
	130-031-202	VT-DS-X-800					793		800 - 900					2.0 kg
④	130-031-203	VT-DS-G-450	Shelf Bracket for Glass		Aluminium Alloy, ABS	Anodized Silver, Grey	443	–	450 - 600	150 - 300	8	98 N	10 kgf	0.8 kg
	130-031-204	VT-DS-G-685					678		685 - 900					1.2 kg
⑤	130-031-209	VT-DF-C20	Panel Catch		Polyacetal (POM)	Natural	–	–	–	–	–	–	–	3 g

*Load capacity does not include weight of shelf.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SHELVING SYSTEM VT

Latest Info

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS







Application examples

- Shelving system which uses the back wall to create an opening feeling.
- Layout and combination can be freely adjusted, installed and removed.
- Has increased load capacity.
- Larger load capacity allows for many different types of shelves or panels to be installed.
- Many types of accessories including LED equipped glass shelves, wooden shelves, cosmetic trays, hooks and more.
- Easy to adapt to a wide range of purposes and designs.
- Easy to remove parts.
- High load capacity
- Wooden shelf : 40 kgf





Application

- Residential interiors

Remarks

- VT series are not compatible with VT-DS (P.934) and VT-DF (P.935).



VT-H15 hook example



VT-H15 hook example



VT-K350 shelf example

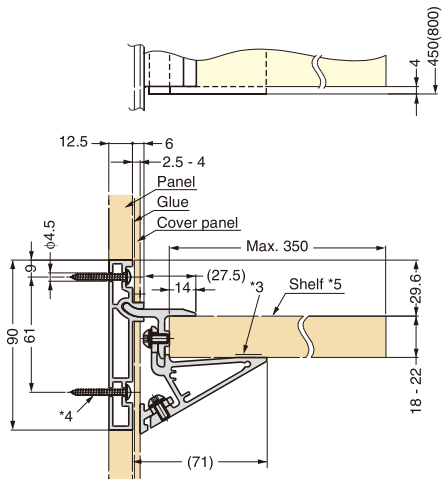
	Door Thickness	Depth	Max. Width	Load Capacity *2	
Wood Shelf Panel *1	18 - 22	350	800	392 N	40 kgf
Glass Shelf Panel *1	8	270	890	98 N	10 kgf

*1 Shelf panels are not included.
*2 Load capacity does not include the weight of shelf panel.

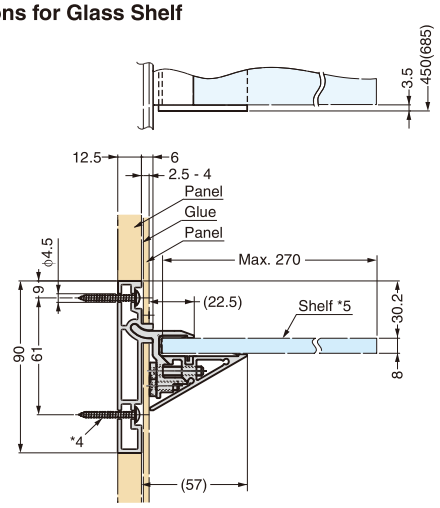
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Dimensions for Wood Shelf



Dimensions for Glass Shelf



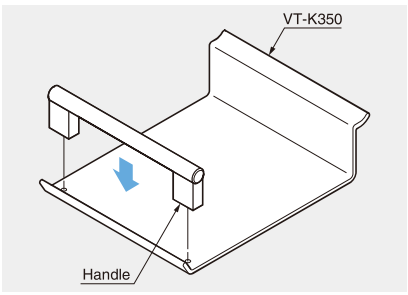
*3: Adhesive tape required. *4: Required screws: 4×50 *5: Shelves are not included.

Application Examples



Application Examples





Combination of VT-K350 (P.939) and handle.

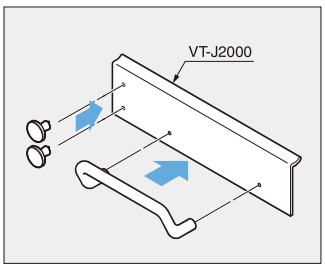
Application Examples



with I1014 (P.1042)



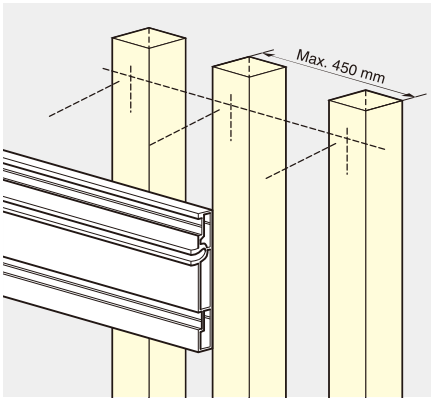
with TS (P.1117) and LF-12 (P.1047)



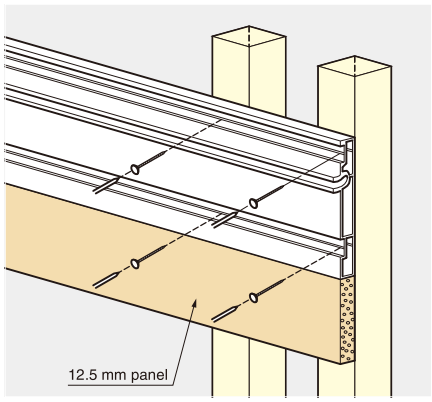
- Combination of VT-J2000 (P.939) and handle.
- Aluminium profile that can be cut to length.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

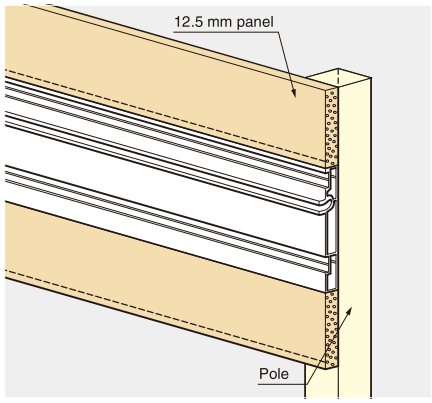
Installation



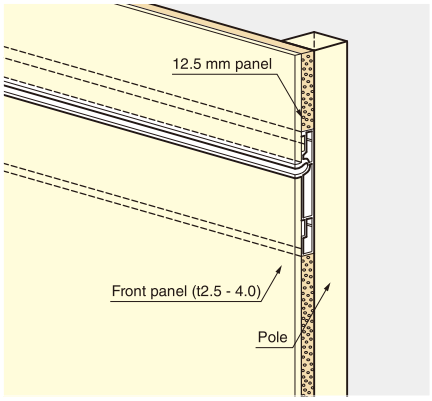
1. Decide application position. Make sure to place horizontally.



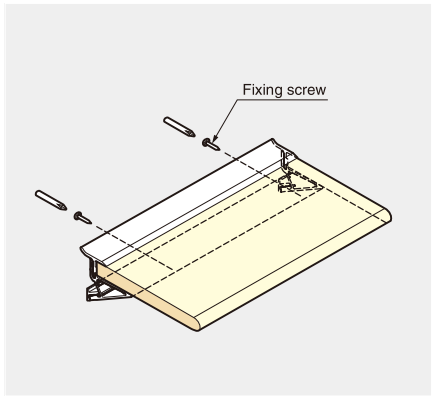
2. Apply an extra panel (12.5 mm) below the rail. Screw the board in place.



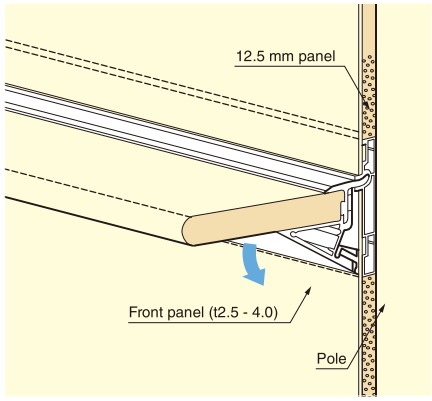
3. Next, apply a second panel (12.5 mm) above the rail.



4. Conceal rail, panels with 2.5 mm - 4.0 mm board.

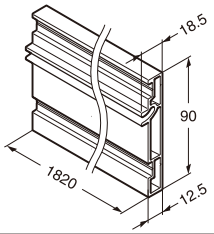
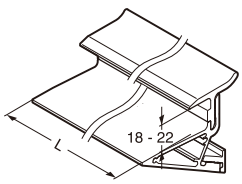


5. Attach shelf and shelf holder with screws as shown in the above.



6. Slant the shelf board into the rail slot and drop down once the board is horizontal.

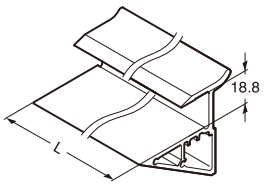
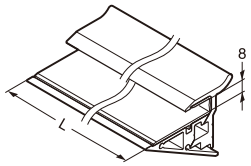
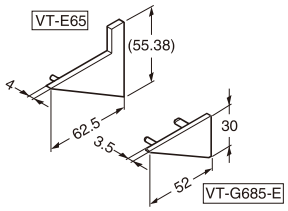
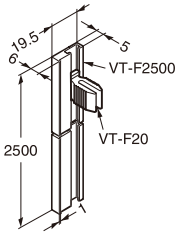
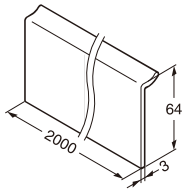
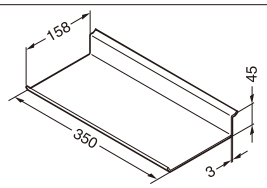
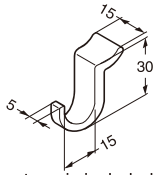
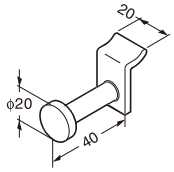
VT Part Details

Item Code	Item Name		Dimensions	Material/Finish	Length L	Shelf Thickness	Load Capacity		Weight
130-030-690	VT-A1820	Slotted Panel Bracket		Aluminium Alloy / Anodized Silver	1820	–	–	–	2.5 kg
130-031-196	VT-X450	Shelf Bracket for Wood	 *End cap VT-E65 is included.	Aluminium Alloy / Anodized Silver	442	18 - 22	392 N*	40 kgf*	1.2 kg
130-030-691	VT-X800				792				2.2 kg

*Load capacity does not include the weight of shelf panel.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Item Code	Item Name		Dimensions	Material/Finish	Length L	Shelf Thickness	Load Capacity		Weight
130-031-198	VT-18-X450	Bracket for Wood Shelf 18 mm	 End cap VT-G685 is included.	Aluminium Alloy / Anodized Silver	443	18	98 N*	10 kgf*	0.8 kg
130-031-199	VT-18-X800			Aluminium Alloy / Anodized Silver	793	18	98 N*	10 kgf*	1.3 kg
130-031-197	VT-G450	Bracket for Glass Shelf 8 mm	 End cap VT-G685 is included.	Aluminium Alloy / Anodized Silver	443	8	98 N*	10 kgf*	0.9 kg
130-030-689	VT-G685			Aluminium Alloy / Anodized Silver	678	8	98 N*	10 kgf*	1.2 kg
130-130-483	VT-G890			Aluminium Alloy / Anodized Silver	883	8	98 N*	10 kgf*	1.6 kg
130-038-979	VT-E65	End Cap (left/right set)	 This picture is for right side.	ABS Resin / Grey Finish	–	–	–	–	9 g
130-941-007	VT-G685-E	End Cap (left/right set)		ABS Resin / Grey Finish	–	–	–	–	6 g
130-030-379	VT-F2500	End Parts		Aluminium Alloy / Anodized Silver	2500	–	–	–	0.6 kg
130-941-008	VT-F20	End Connector		Polyacetal (POM) / Natural	–	–	–	–	2 g
130-030-382	VT-J2000	Plate Hook		Aluminium Alloy / Anodized Silver	2000	–	392 N	40 kgf	1.5 kg
130-030-384	VT-K350	Tray	 BS clear bumper BS-1 and BS-5 are included. (4 pcs each)	Aluminium Alloy / Anodized Silver	350	–	98 N	10 kgf	0.8 kg
130-020-327	VT-H15	Hook A	 Adhesive tape is included.	Aluminium Alloy / Anodized Silver	–	–	49 N	5 kgf	9 g
130-020-325	VT-H20	Hook B	 Adhesive tape is included.	Aluminium Alloy / Anodized Silver	–	–	49 N	5 kgf	21 g

*Load capacity does not include the weight of shelf panel.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FLUQS Wall Shelving System

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS







FLUQS

Exto Series

FLUQS is a unique wall shelving system with an artistic touch and a contemporary look.

The word FLUQS is from Latin "flatus" for wave, FLUQS frees you to arrange shelves in any pattern or configuration, how and when you please. The aluminium profile system is easy to install and adjust and visually coordinates well with gleaming aluminium, white or black finishes.

Easily blends into any atmosphere.

- Fixing screws are invisible after installation.
- Shelves available in acrylic and aluminium plate.
- 2 types available: FLUQS 250/750 which can be used as wall panels and FLUQS 25/ ONE which has single hook base match with any wall design.

Designed for safety and flexibility

- Easy installation - simply screw in place (base required).
- Accessories such as hooks and shelves fit firmly and stay put.

Feature

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

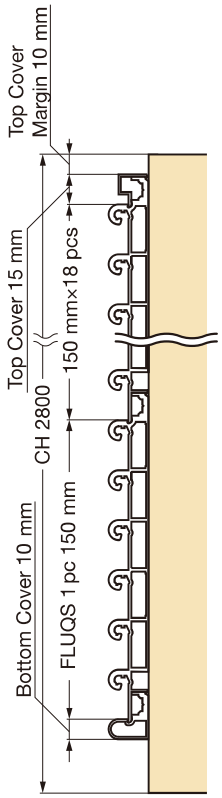
FLUQS WALL SHELVING SYSTEM FLUQS 250/750

Latest Info

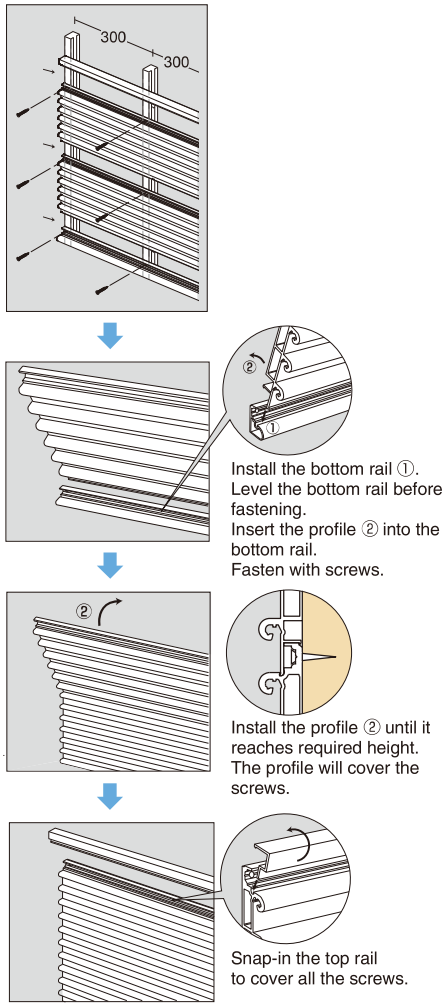


Installation Example

Ceiling Height (CH) : 2800 mm



Feature

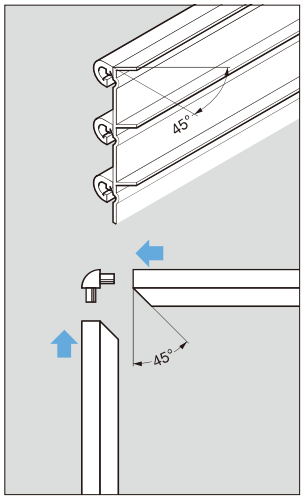


Install the bottom rail ①.
Level the bottom rail before fastening.
Insert the profile ② into the bottom rail.
Fasten with screws.

Install the profile ② until it reaches required height.
The profile will cover the screws.

Snap-in the top rail to cover all the screws.

Corner Installation

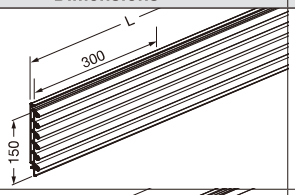
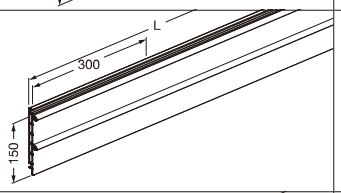
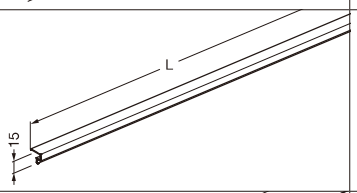
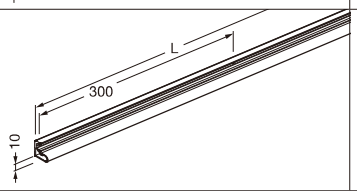
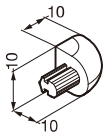
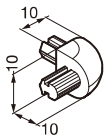
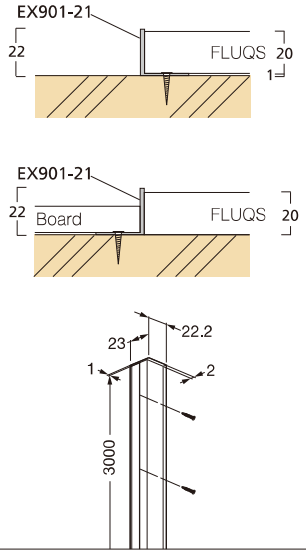




Corner Example

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FLUQS 250/750 Part Details

No.	Item Code	Item Name		Dimensions	Material/Finish	Length	Description
①	130-031-306	EX001-21	Main Panel FLUQS 250		Aluminium / Anodized	1820 mm	• Basic Aluminium Wall Panel (Rail pitch 25 mm) • Screw hole pitch 300 mm
②	130-031-307	EX004-21	Main Panel FLUQS 750		Aluminium / Anodized		• Basic Aluminium Wall Panel (Rail pitch 75 mm) • Screw hole pitch 300 mm
③	130-031-308	EX007-21	Top Cover		Aluminium / Anodized		• Top Cover Track • Covers the screw heads
④	130-031-309	EX008-21	Bottom Rail		Aluminium / Anodized		• Bottom Track • Screw hole pitch 300 mm
⑤	130-030-422	EX905-21	End Cap (1Way Type)		ABS / Matte Silver	-	-
⑥	130-030-424	EX906-21	End Cap (2Way Type)		ABS / Matte Silver	-	-
⑦	130-031-385	EX901-21	Corner Angle		Aluminium / Anodized	3000 mm	• Corner plate to cover the edge of aluminium panel. • Screws not included.

*Please see P.945 for accessories.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FLUQS WALL SHELVING SYSTEM FLUQS 25/ONE

Latest Info



FLUQS 25



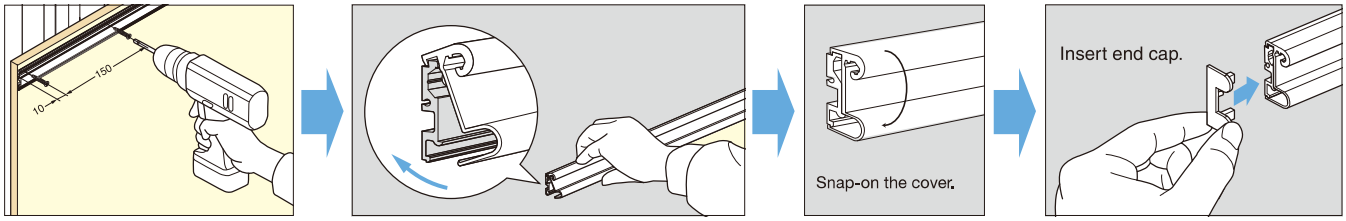


FLUQS ONE

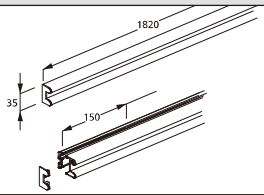
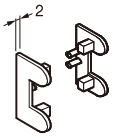
Feature

FLUQS 25

Installation



FLUQS 25 Part Details

No.	Item Code	Item Name		Dimensions	Material/Finish	Length	Description
①	130-031-316	EX022-21	FLUQS 25		Aluminium / Anodized	1820 mm	• Single Aluminium Profile. • Easy installation type • End Cap 2 pcs included. • Screw hole pitch 150 mm
②	130-031-889	EX025-31	End Cap for FLUQS 25		ABS / Grey	-	• Non-handed (2 pcs included).

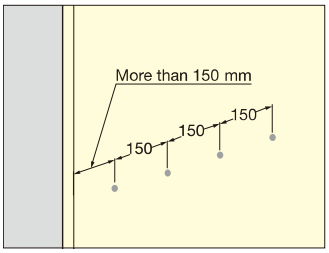
Please see P.945 for accessories.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

FLUQS ONE

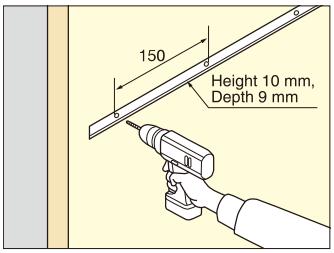
Installation

Surface Mount (Wood/Acrylic)

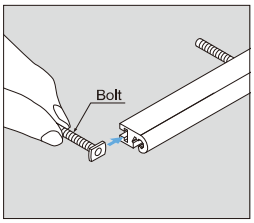


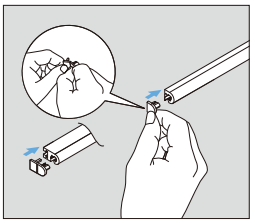
*Thickness:
Acrylic 10 mm, wood 20 mm
*Can not be used with hook.

Recess Mount (Wood)

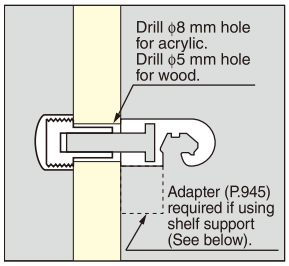


*Thickness:
Wood 24 mm

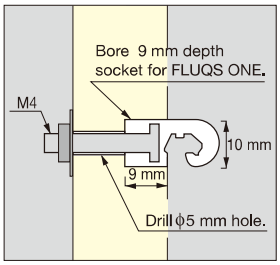


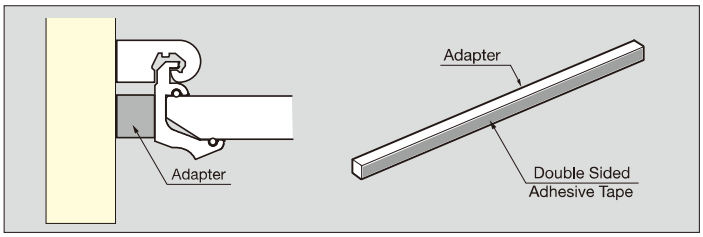


Surface Mount

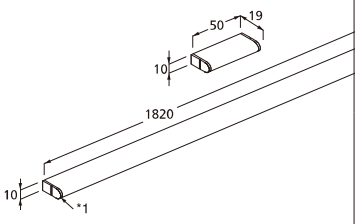
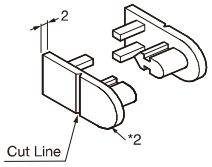
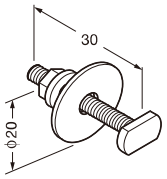
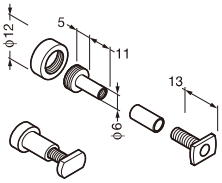


Recess Mount





FLUQS ONE Part Details

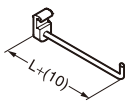
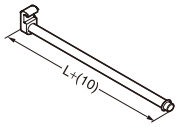
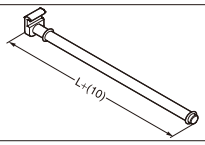
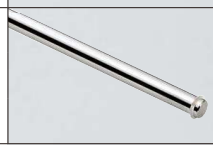
No.	Item Code	Item Name		Dimensions	Material/Finish	Length	Description
①	130-031-312	EX012-21	FLUQS ONE		Aluminium / Anodized	50 mm	• Single Aluminium Profile • Simple and flexible layout design • End Cap 2 pcs included • For Recess Mount, cut the End Cap at the cut line and use the *1 shape part. * Access behind the wall/panel is required to install.
	130-031-311	EX010-21				1820 mm	
②	130-031-313	EX018-45	End Cap for FLUQS ONE		Polypropylene / Plain	-	• For Recess Mount, cut the End Cap at the cut line and use the *2 shape part. (2 pcs included)
③	130-031-314	EX019-25	FLUQS ONE Screw Set for Wood		Steel / Chromate	-	• Fastener to attach FLUQS ONE to Wood Panel (surface mount: Max. 20 mm / recessed mount: Max. 24 mm thick)
④	130-031-315	EX020-20	FLUQS ONE Screw Set for Acrylic Panel		Steel / Silver	-	• Fastener to attach FLUQS ONE to Acrylic Panel (10 mm thick)

Please see P.945 for accessories.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

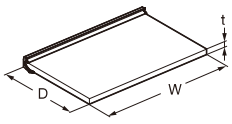
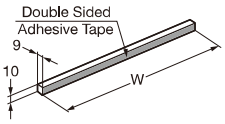
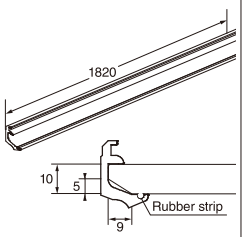
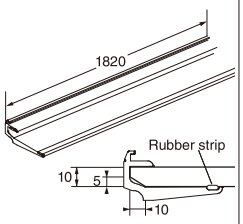
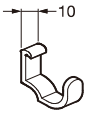
ACCESSORIES

Hook (For FLUQS 250/750/25/ONE Recess Mount)

No.	Item Code	Item Name		Dimensions	Material	Finish/Colour		Length	Load Capacity
①	130-031-321	EX030-20	Hook (ϕ3)		Steel	Chrome		15	1 kg
	130-031-323	EX031-20						30	
	130-031-325	EX032-20						55	
②	130-031-333	EX040-20	Hook (ϕ6)		Steel	Chrome		50	2 kg
	130-031-336	EX041-20						100	
	130-031-339	EX042-20						150	
③	130-031-342	EX046-20	Hook (ϕ9)		Steel	Chrome		100	3 kg
	130-031-345	EX047-20						150	
	130-031-348	EX048-20						200	

*Can not be used with surface mount FLUQS ONE.

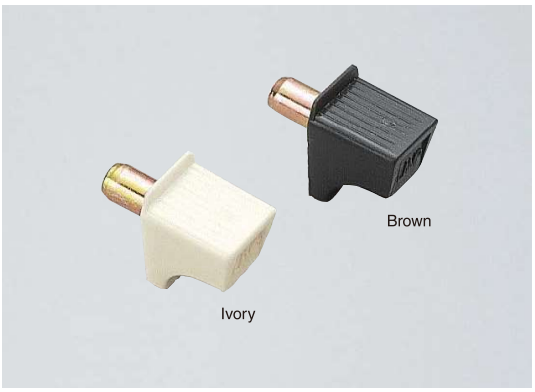
Shelf (For FLUQS 250/750/25/ONE)

No.	Item Code	Item Name		Dimensions	Material	Finish/Colour	W	D	t	Description
①	130-031-370	EX202-41	Acrylic Shelf Set		Aluminium (Bracket) Acrylic (Shelf)	Anodized (Bracket) Light Green (Shelf)	300	200	10	Load Capacity: 2.4 kg
	130-031-371	EX203-41						250		
	130-031-373	EX206-41					450	150		Load Capacity: 3.6 kg
	130-031-374	EX207-41						200		
	130-031-375	EX208-41						250		
	130-031-377	EX211-41					600	150		Load Capacity: 4.8 kg
	130-031-378	EX212-41						200		
	130-031-379	EX213-41						250		
②	130-031-372	EX204-41	Adapter		Acrylic	-	300	-	-	For Shelf Holder when used with FLUQS ONE surface mount profile and bracket. (with double sided adhesive tape)
	130-031-376	EX209-41					450			
	130-031-380	EX214-41					600			
③	130-031-318	EX026-21	Shelf Holder		Aluminium	Anodized	1820	10	9	*For 10 mm glass *Maximum shelf depth: 250 mm *For permanent installation, apply caulk to bracket and glass/acrylic *1 rubber strip (clear, 1820 mm) included *Glass not included, chamfer required as shown Load Capacity: 14.4 kg
④	130-031-319	EX027-21	Shelf Holder		Aluminium	Anodized	1820	-	-	*For 10 mm glass *Maximum shelf depth: 450 mm *For permanent installation, apply caulk to bracket and glass/acrylic *1 clear rubber strip (1820 mm) included *Glass not included, chamfer required as shown Load Capacity: 30 kg
⑤	130-031-368	EX090-21	Mini Hook		Aluminium	Anodized	10	-	-	Load Capacity: 3 kg

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

DOWEL SS-323

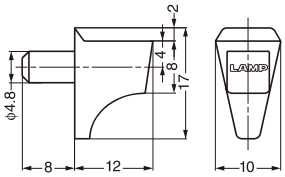
Latest Info



TEST METHOD 9

Recommended Mounting Hole

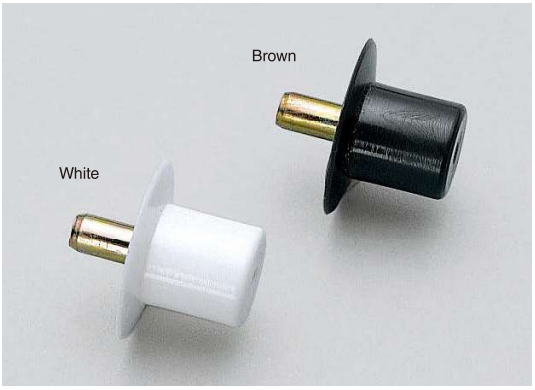
- ϕ5



Item Code	Item Name	Material	Colour	Load Capacity		Weight	Box	Carton
120-041-326	SS-323IV	Polyamide (PA) (w/ Steel Shaft)	Ivory	392 N/4 pcs	40 kgf/4 pcs	3.4 g/pack	500 pcs	5000 pcs
120-041-327	SS-323BR	Polyamide (PA) (w/ Steel Shaft)	Brown	392 N/4 pcs	40 kgf/4 pcs	3.4 g/pack	500 pcs	5000 pcs

DOWEL SS-324

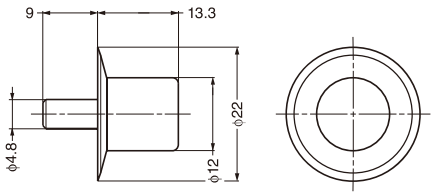
Latest Info



TEST METHOD 9

Recommended Mounting Hole

- ϕ5



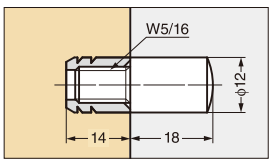
Item Code	Item Name	Material	Colour	Load Capacity		Weight	Box	Carton
120-041-360	SS-324W	Polyamide (PA) (w/ Steel Shaft)	White	294 N/4 pcs	30 kgf/4 pcs	4 g/pack	300 pcs	3000 pcs
120-041-361	SS-324BR	Polyamide (PA) (w/ Steel Shaft)	Brown	294 N/4 pcs	30 kgf/4 pcs	4 g/pack	300 pcs	3000 pcs

DOWEL SS-322

Latest Info



Installation



TEST METHOD 9

Recommended Mounting Hole

- ϕ12

Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-041-356	SS-322M (Dowel)	Brass	Nickel	441 N/4 pcs	45 kgf/4 pcs	20 g	200 pcs	800 pcs
120-041-357	SS-322W (Catch)	Brass	Nickel	441 N/4 pcs	45 kgf/4 pcs	7.5g	500 pcs	2500 pcs

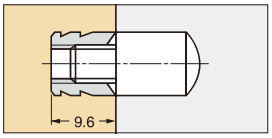
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

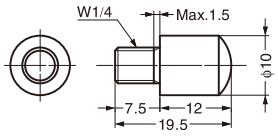
DOWEL SS-318

Latest Info



Installation





TEST METHOD 9

Recommended Mounting Hole

- ϕ10

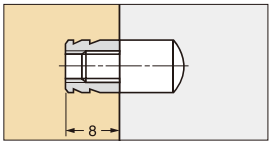
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box
120-041-334	SS-318M (Dowel)	Brass	Nickel	294 N/4 pcs	30 kgf/4 pcs	8.8 g	500 pcs
120-041-335	SS-318W (Catch)	Brass	Nickel	294 N/4 pcs	30 kgf/4 pcs	3.3 g	1000 pcs

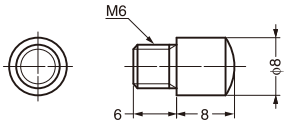
DOWEL SS-319

Latest Info



Installation





TEST METHOD 9

Recommended Mounting Hole

- ϕ8

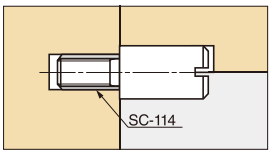
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box
120-041-338	SS-319M (Dowel)	Brass	Nickel	196 N/4 pcs	20 kgf/4 pcs	4.2 g	500 pcs
120-041-339	SS-319W (Catch)	Brass	Nickel	196 N/4 pcs	20 kgf/4 pcs	1.4 g	1000 pcs

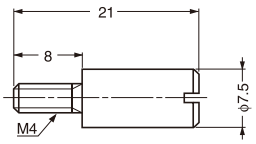
DOWEL SS-309

Latest Info



Installation





TEST METHOD 9

Remarks

- The description of load capacity is when used with SC-114.

Sold Separately

- SC-114 (P.953)

Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-041-332	SS-309	Steel	Nickel	245 N/4 pcs	25 kgf/4 pcs	5 g	500 pcs	5000 pcs

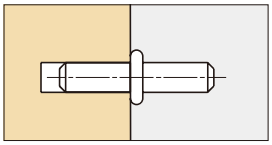
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

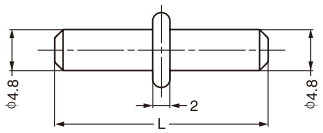
DOWEL SS-312

Latest Info



Installation





TEST METHOD 9

Recommended Mounting Hole
- ϕ5

Remarks
- 1 pack includes 500 pieces

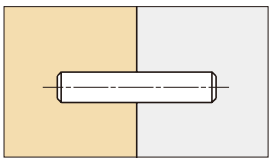
Item Code	Item Name	Material	Finish	L	Load Capacity		Weight	Pack	Box	Carton
120-038-197	SS-312-18-P500	Steel	Nickel	18	196 N/4 pcs	20 kgf/4 pcs	1500 g/pack	500 pcs	1 pack	10 packs
120-038-198	SS-312-25-P500	Steel	Nickel	25	245 N/4 pcs	25 kgf/4 pcs	2000 g/pack	500 pcs	1 pack	10 packs

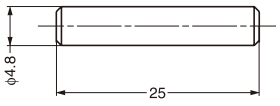
DOWEL SS-313

Latest Info



Installation





TEST METHOD 9

Recommended Mounting Hole
- ϕ5

Remarks
- 1 pack includes 800 pieces
- The value of load capacity is based on 12.5 mm depth mounting hole.

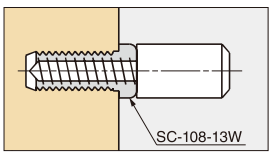
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Pack	Box	Carton
120-038-199	SS-313-P800	Steel	Nickel	196 N/4 pcs	20 kgf/4 pcs	2800 g/pack	800 pcs	1 pack	5 packs

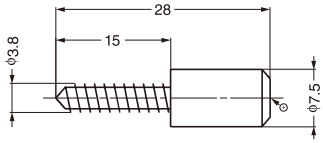
DOWEL SS-311

Latest Info



Installation





TEST METHOD 9

Remarks
- The description of load capacity is when used with SC-108-13W.

Sold Separately
- SC-108-13W (P.952)

Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-041-400	SS-311	Steel	Nickel	196 N/4 pcs	20 kgf/4 pcs	5.1 g	500 pcs	2500 pcs

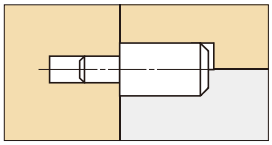
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

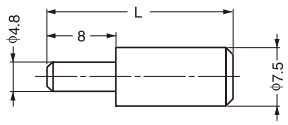
DOWEL SS-310

Latest Info



Installation





TEST METHOD 9

Recommended Mounting Hole
- ϕ5

Remarks
- 1 pack includes 500 pieces

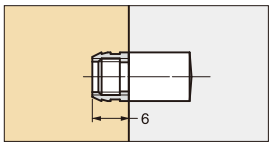
Item Code	Item Name	Material	Finish	L	Load Capacity		Weight	Pack	Box	Carton
120-038-195	SS-310-18-P500	Steel	Nickel	18	147 N/4 pcs	15 kgf/4 pcs	2500 g/pack	500 pcs	1 pack	10 packs
120-038-196	SS-310-23-P500	Steel	Nickel	23	147 N/4 pcs	15 kgf/4 pcs	3000 g/pack	500 pcs	1 pack	10 packs

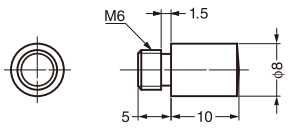
DOWEL SS-108

Latest Info



Installation





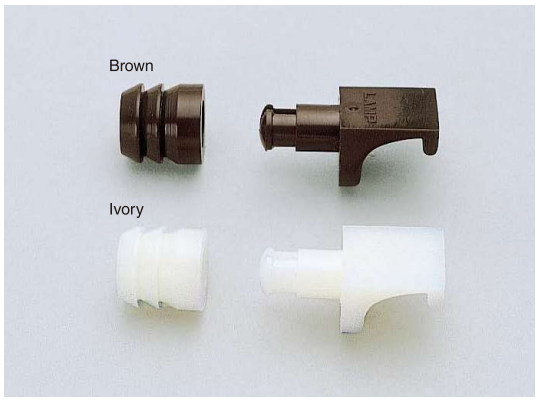
TEST METHOD 9

Recommended Mounting Hole
- ϕ8

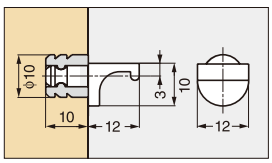
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box
120-049-341	SS-108M (Dowel)	Brass	Bronze	196 N/4 pcs	20 kgf/4 pcs	5.5 g	500 pcs
120-049-342	SS-108W (Catch)	Brass	Bronze	196 N/4 pcs	20 kgf/4 pcs	5.5 g	1000 pcs

DOWEL SS-321

Latest Info



Installation



- One touch easy detachment

TEST METHOD 9

Recommended Mounting Hole
- ϕ10

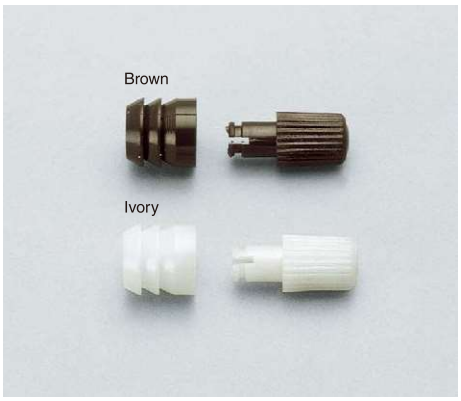
Remarks
- Dowel: 1 pack includes 500 pieces
- Catch: 1 pack includes 1,000 pieces

Item Code	Item Name	Material	Colour	Load Capacity		Weight	Box	Carton
120-038-206	SS-321IM-P500 (Dowel)	ABS	Ivory	196 N/4 pcs	20 kgf/4 pcs	1.0 g	1 pack	20 packs
120-038-207	SS-321IW-P1000 (Catch)	ABS	Ivory	196 N/4 pcs	20 kgf/4 pcs	0.4 g	1 pack	20 packs
120-038-204	SS-321BRM-P500 (Dowel)	ABS	Brown	196 N/4 pcs	20 kgf/4 pcs	1.0 g	1 pack	20 packs
120-038-205	SS-321BRW-P1000 (Catch)	ABS	Brown	196 N/4 pcs	20 kgf/4 pcs	0.4 g	1 pack	20 packs

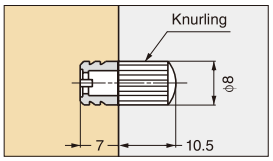
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

DOWEL SS-320

Latest Info



Installation



- One touch easy detachment

TEST METHOD 9

Recommended Mounting Hole
- ϕ8

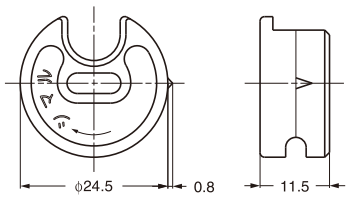
Remarks
- Dowel: 1 pack includes 1,000 pieces
- Catch: 1 pack includes 2,000 pieces

Item Code	Item Name	Material	Colour	Load Capacity		Weight	Box	Carton
120-038-202	SS-320IM-P1000 (Dowel)	ABS	Ivory	98 N/4 pcs	10 kgf/4 pcs	0.6 g	1 pack	20 packs
120-038-203	SS-320IW-P2000 (Catch)	ABS	Ivory	98 N/4 pcs	10 kgf/4 pcs	0.2 g	1 pack	20 packs
120-038-200	SS-320BRM-P1000 (Dowel)	ABS	Brown	98 N/4 pcs	10 kgf/4 pcs	0.6 g	1 pack	20 packs
120-038-201	SS-320BRW-P2000 (Catch)	ABS	Brown	98 N/4 pcs	10 kgf/4 pcs	0.2 g	1 pack	20 packs

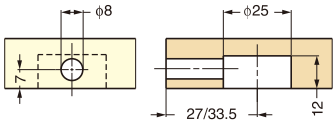
SHELF CLAMP KD-703

Latest Info



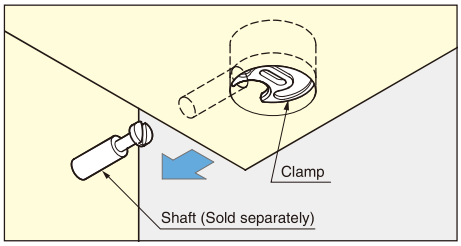


Cut Out Dimensions



Sold Separately
- Shafts (P.951).
- Cover, KD-752 (P.950).

Installation Example

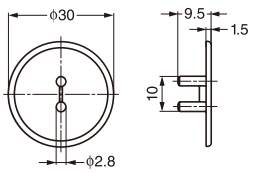


Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-037	KD-703	Zinc Alloy (ZDC)	Plain	11.6 g	200 pcs	2000 pcs

COVER FOR KD-703 KD-752

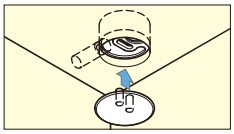
Latest Info





- For KD-703.

Installation Example



Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-041-040	KD-752W	Polypropylene (PP)	White	0.56 g	500 pcs	10000 pcs
120-041-056	KD-752C	Polypropylene (PP)	Cream	0.56 g	500 pcs	10000 pcs
120-041-041	KD-752BR	Polypropylene (PP)	Brown	0.56 g	500 pcs	10000 pcs
120-041-055	KD-752B	Polypropylene (PP)	Black	0.56 g	500 pcs	10000 pcs
120-041-036	KD-752I	Polypropylene (PP)	Ivory	0.56 g	500 pcs	10000 pcs

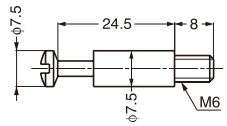
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SHAFT FOR SHELF CLAMP KD-601

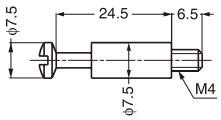
Latest Info



KD-601-245C (M6)



KD-601-245A (M4)



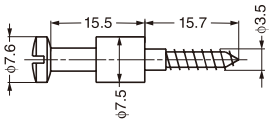
- For KD-703.

Item Code	Item Name	Screw	Material	Finish	Weight	Box	Carton
120-041-048	KD-601-245C	M6	Steel	Yellow Zinc Chromate	8.5 g	300 pcs	3000 pcs
120-041-049	KD-601-245A	M4	Steel	Yellow Zinc Chromate	8.5 g	300 pcs	3000 pcs

SHAFT FOR SHELF CLAMP KD-622-155

Latest Info





- For KD-703.

Sold Separately
- Bushing SC-108 (P.952).
- SC-110-W (P.952).

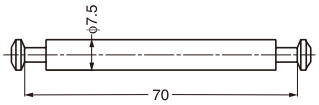
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-091	KD-622-155	Steel	Yellow Zinc Chromate	5.1 g	400 pcs	2000 pcs

*The finish will be "trivalent chromate" when the current stock runs out.

SHAFT FOR SHELF CLAMP KD-681-70

Latest Info





- For KD-703.

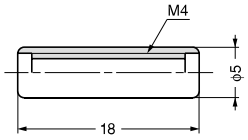
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-039	KD-681-70	Steel	Yellow Zinc Chromate	23.3 g	100 pcs	500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

BUSHING SC-121-18

Latest Info





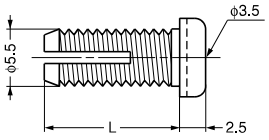
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-308	SC-121-18	Brass	Plain	1.3 g	2500 pcs	10000 pcs

BUSHING SC-108

Latest Info



Remarks
- 1 pack includes 2,000 pieces



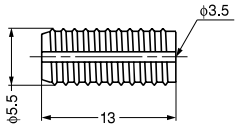
Item Code	Item Name	Material	Colour	L	Pack	Box	Carton
120-038-169	SC-108-95W-P2000	Polyamide (PA)	White	9.5	2000 pcs	1 pack	10 packs
120-038-168	SC-108-13W-P2000	Polyamide (PA)	White	13	2000 pcs	1 pack	10 packs

BUSHING SC-110-W

Latest Info



Remarks
- 1 pack includes 2,000 pieces



Item Code	Item Name	Material	Colour	Weight	Pack	Box	Carton
120-038-170	SC-110-W-P2000	Polyamide (PA)	White	400 g/pack	2000 pcs	1 pack	10 packs

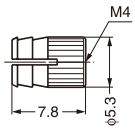
*Limited inventory, contact sales associate for details.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

INSERT SCREW SC-114

Latest Info

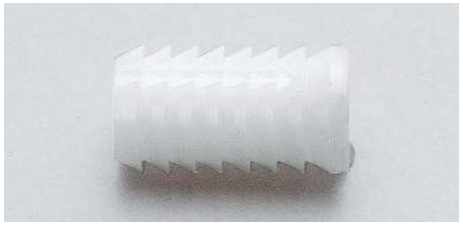


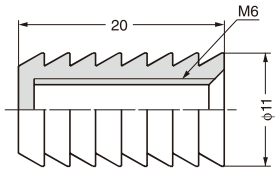


Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-319	SC-114	Brass	Plain	0.6 g	5000 pcs	20000 pcs

INSERT SCREW SC-106

Latest Info



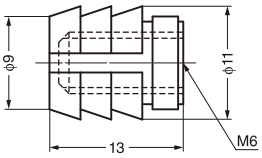


Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-041-313	SC-106	Polyacetal (POM)	White	1.5 g	500 pcs	10000 pcs

INSERT SCREW SC-107-13

Latest Info



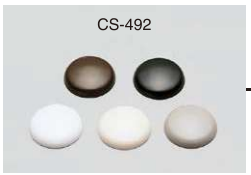


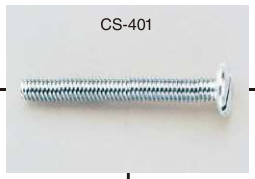
Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-041-310	SC-107-13	Polyamide (PA)	White	0.8 g	1000 pcs	10000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

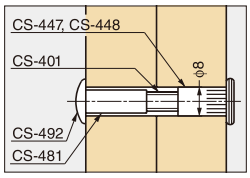
LAMP Connector System

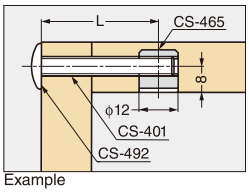
SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS











Example



L	Bolt Length
16	*20
22	26
29	*33
36	40
43	*47
50	54
57	*61
61	*65

*Made to order.



Door Thickness	Bolt Length
18 - 28	*20
24 - 34	26
31 - 41	*33
38 - 48	40
45 - 55	*47
52 - 62	54
59 - 69	*61
63 - 73	*65

*Made to order.



Door Thickness	Bolt Length
25 - 28	*20
31 - 34	26
38 - 41	*33
45 - 48	40
52 - 55	*47
59 - 62	54
66 - 69	*61
70 - 73	*65

*Made to order.

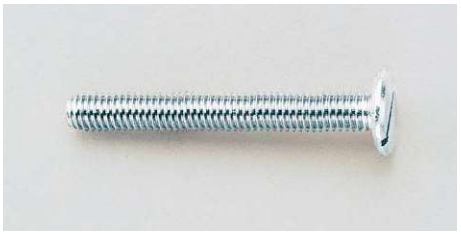


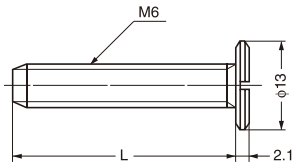
Door Thickness	Bolt Length
26 - 28	*20
32 - 34	26
39 - 41	*33
46 - 48	40
53 - 55	*47
60 - 62	54
67 - 69	*61
71 - 73	*65

*Made to order.

LAMP CONNECTOR SYSTEM CS-401

Latest Info





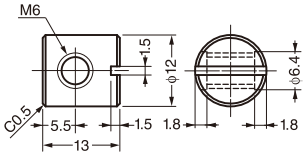
Sold Separately
- Cap CS-492 (P.956).

Item Code	Item Name	Material	Finish	L	Weight	Carton
120-040-537	CS-401-26	Steel	Yellow Zinc Chromate	26	6.2 g	3500 pcs
120-040-535	CS-401-40	Steel	Yellow Zinc Chromate	40	8.6 g	2500 pcs
120-040-539	CS-401-54	Steel	Yellow Zinc Chromate	54	11.0 g	1500 pcs

LAMP CONNECTOR SYSTEM CS-465

Latest Info





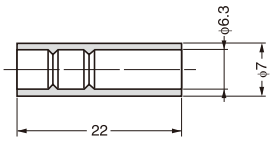
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-029	CS-465	Zinc Alloy (ZDC)	Nickel	6.9 g	250 pcs	2000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP CONNECTOR SYSTEM CS-481

Latest Info

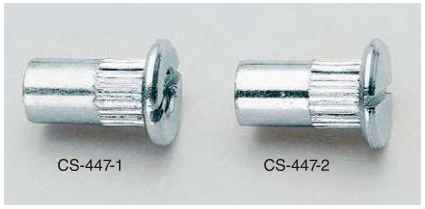




Item Code	Item Name	Material	Color	Weight	Box	Carton
120-041-031	CS-481	Polyethylene (PE)	White	0.28 g	1000 pcs	10000 pcs

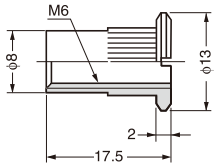
LAMP CONNECTOR SYSTEM CS-447

Latest Info



- CS-447-1 : Screw hole is pierced.
- CS-447-2 : Screw hole is not pierced.

Sold Separately
- CS-492 (P.956)

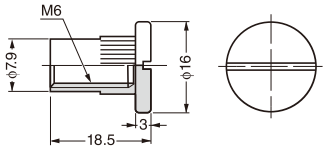


Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-040-530	CS-447-1	Steel	Yellow Zinc Chromate	4.3 g	400 pcs	4000 pcs
120-040-531	CS-447-2	Steel	Yellow Zinc Chromate	4.9 g	400 pcs	4000 pcs

LAMP CONNECTOR SYSTEM CS-448

Latest Info





Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-027	CS-448	Steel	Nickel	7.2 g	300 pcs	3000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

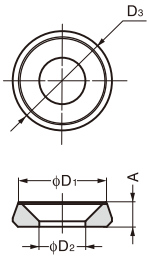
LAMP STAINLESS STEEL COUNTERSUNK WASHER SETUP

Latest Info

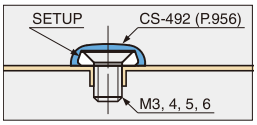


- For surface mount of M3, M4, M5, M6 countersunk head screw.
- CS-492 cap sold separately.

SUS



Installation



Item Code	Item Name	Size	Material	Finish	A	D1	D2	D3	Weight	Pack	Box
120-038-172	SETUP-SUS-M3-P100	M3	Stainless Steel (SUS303)	Plain	1.9	6.5	4	9	60 g/pack	100 pcs	10 packs
120-038-171	SETUP-M4-P100	M4	Brass	Plain	1.9	8	5	13	150 g/pack	100 pcs	20 packs
120-038-173	SETUP-SUS-M4-P100	M4	Stainless Steel (SUS303)	Plain	1.9	8	5	13	150 g/pack	100 pcs	10 packs
120-038-174	SETUP-SUS-M5-P100	M5	Stainless Steel (SUS303)	Plain	3	10.6	6	14	202 g/pack	100 pcs	5 packs
120-037-149	SETUP-SUS-M6-P100	M6	Stainless Steel (SUS303)	Plain	3.7	12.8	7	15	266 g/pack	100 pcs	5 packs

LAMP CAP FOR SETUP CS-492

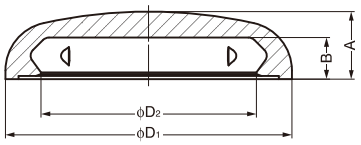
Latest Info



- Conceals screw head when used with countersunk washer (P.956).

Remarks

- 1 pack contains 100 pieces



Item Code	Item Name	Size	Material	Colour	A	B	D1	D2	Weight	Pack	Box	Carton
120-038-067	CS-492-M3-IV-P100	M3	Polyethylene (PE)	Ivory	3.4	2.1	12.5	9	16 g/pack	100 pcs	20 packs	200 packs
120-038-069	CS-492-M3-WT-P100	M3	Polyethylene (PE)	White	3.4	2.1	12.5	9	16 g/pack	100 pcs	20 packs	200 packs
120-038-068	CS-492-M3-LGR-P100	M3	Polyethylene (PE)	Light Grey	3.4	2.1	12.5	9	16 g/pack	100 pcs	20 packs	200 packs
120-038-066	CS-492-M3-DGR-P100	M3	Polyethylene (PE)	Dark Grey	3.4	2.1	12.5	9	16 g/pack	100 pcs	20 packs	200 packs
120-038-073	CS-492-M4-IV-P100	M4	Polyethylene (PE)	Ivory	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-076	CS-492-M4-WT-P100	M4	Polyethylene (PE)	White	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-071	CS-492-M4-BR-P100	M4	Polyethylene (PE)	Brown	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-070	CS-492-M4-BL-P100	M4	Polyethylene (PE)	Black	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-075	CS-492-M4-SGR-P100	M4	Polyethylene (PE)	Sand Grey	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-074	CS-492-M4-LGR-P100	M4	Polyethylene (PE)	Light Grey	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-072	CS-492-M4-DGR-P100	M4	Polyethylene (PE)	Dark Grey	3.9	2.4	16.5	12.4	23 g/pack	100 pcs	20 packs	200 packs
120-038-078	CS-492-M5-IV-P100	M5	Polyethylene (PE)	Ivory	4.7	3.2	17.5	14	35 g/pack	100 pcs	10 packs	100 packs
120-038-080	CS-492-M5-WT-P100	M5	Polyethylene (PE)	White	4.7	3.2	17.5	14	35 g/pack	100 pcs	10 packs	100 packs
120-038-079	CS-492-M5-LGR-P100	M5	Polyethylene (PE)	Light Grey	4.7	3.2	17.5	14	35 g/pack	100 pcs	10 packs	100 packs
120-038-077	CS-492-M5-DGR-P100	M5	Polyethylene (PE)	Dark Grey	4.7	3.2	17.5	14	35 g/pack	100 pcs	10 packs	100 packs
120-038-082	CS-492-M6-IV-P100	M6	Polyethylene (PE)	Ivory	5.7	3.9	18.5	15	47 g/pack	100 pcs	5 packs	50 packs
120-038-084	CS-492-M6-WT-P100	M6	Polyethylene (PE)	White	5.7	3.9	18.5	15	47 g/pack	100 pcs	5 packs	50 packs
120-038-083	CS-492-M6-LGR-P100	M6	Polyethylene (PE)	Light Grey	5.7	3.9	18.5	15	47 g/pack	100 pcs	5 packs	50 packs
120-038-081	CS-492-M6-DGR-P100	M6	Polyethylene (PE)	Dark Grey	5.7	3.9	18.5	15	47 g/pack	100 pcs	5 packs	50 packs

The quantity of the M4 type will change to be as follows when the current stock runs out.
- 10 packs/box | 100 packs/carton

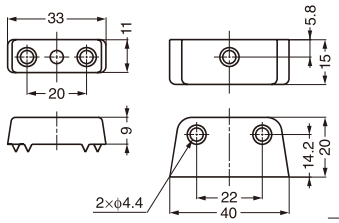
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

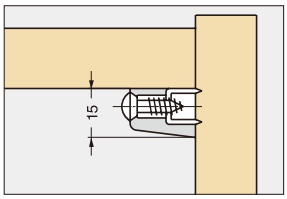
CORNER FASTENERS CF-203

Latest Info



Mounting Plate





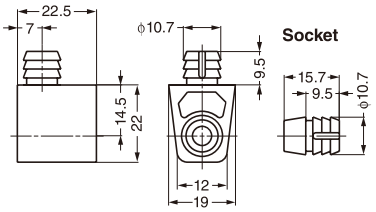
Part Name	Material	Finish	Size
Screw	Steel	Clear Zinc Chromate	5.5×19
Mounting Plate	Steel	Yellow Zinc Chromate	–

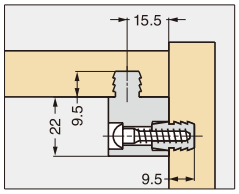
Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-041-104	CF-203W	Polystyrene (PS)	White	14 g	80 sets	320 sets

CORNER FASTENERS CF-215

Latest Info







Part Name	Material	Finish/Colour	Size
Socket	Polyamide (PA)	White	5.6×15.7
Screw	Steel	Yellow Zinc Chromate	5.6×23

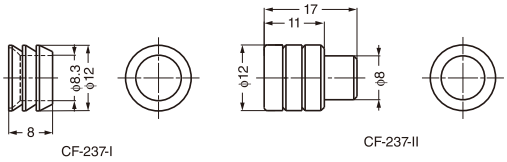
Item Code	Item Name	Material	Colour	Weight	Box	Carton
120-041-110	CF-215	Polyamide (PA)	White	5.6 g	100 sets	1000 sets

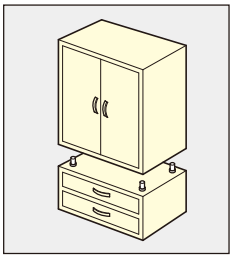
DOWEL CF-237

Latest Info



- Works ideally with position setting for clothes drawers. CF-237-II (male) has a built in spring, giving it an elasticity that makes it easy to connect.





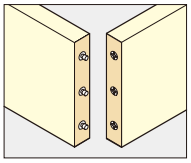
Item Code	Item Name	Part Name	Material	Finish	Weight	Box	Carton
120-041-118	CF-237	CF-237-I, CF-237-II	Brass	Plain	9 g	100 sets	1000 sets

LIGHT LOAD CONNECTOR CF-235

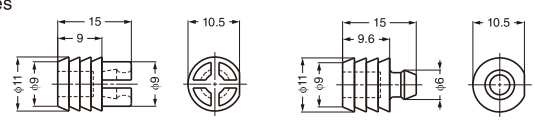
Latest Info



- Works as an alternative to nails, allowing for a one touch simple solution as a connector
- Hooking section is not visible from outside
- Great solution for quick assembly/disassembly furniture



Remarks
- 1 pack contains 500 pieces



Item Code	Item Name	Material	Colour	Weight	Pack	Box	Carton
120-038-065	CF-235N-P500	Polyamide (PA)	Natural	2050 g/pack	500 pcs	1 pack	10 packs
120-038-064	CF-235G-P500	Polyacetal (POM)	Natural	2050 g/pack	500 pcs	1 pack	10 packs

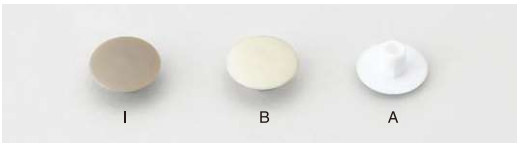
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

LAMP. MULTI-PURPOSE CAP KD-771, KD-772, KD-773W

KD-771-6

(Installation hole: ϕ5)

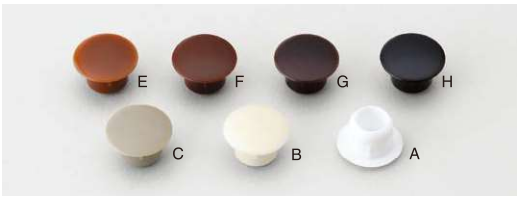


Latest Info

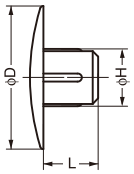
Item Code	Item Name	Model	Type	Material	Colour	H	D	L	Weight	Box	Carton
120-041-050	KD-771-6W	1	A	Polypropylene (PP)	White	5.2	13	5	0.13 g	2500 pcs	25000 pcs
120-041-054	KD-771-6I	1	B	Polypropylene (PP)	Ivory	5.2	13	5	0.13 g	2500 pcs	25000 pcs
120-049-037	KD-771-6SGR	1	I	Polypropylene (PP)	Grey	5.2	13	5	0.13 g	2500 pcs	25000 pcs

KD-771-65

(Installation hole: ϕ8)



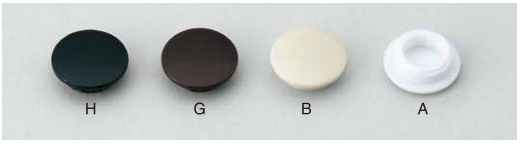
Latest Info



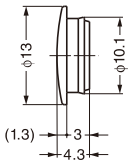
Item Code	Item Name	Model	Type	Material	Colour	H	D	L	Weight	Box	Carton
120-041-060	KD-771-65W	1	A	Polypropylene (PP)	White	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-065	KD-771-65I	1	B	Polypropylene (PP)	Ivory	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-066	KD-771-65GR	1	C	Polypropylene (PP)	Grey	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-063	KD-771-65RBR	1	E	Polypropylene (PP)	Camel	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-062	KD-771-65DBR	1	F	Polypropylene (PP)	Dark Brown	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-061	KD-771-65BR	1	G	Polypropylene (PP)	Brown	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs
120-041-064	KD-771-65B	1	H	Polypropylene (PP)	Black	8.1	12	6.5	0.19 g	2000 pcs	20000 pcs

KD-772-3

(Installation hole: ϕ10)



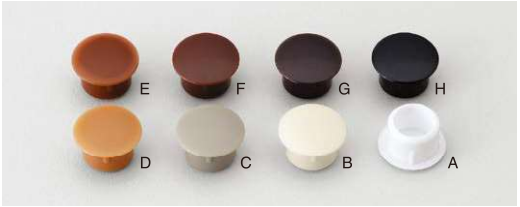
Latest Info



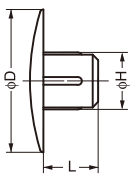
Item Code	Item Name	Model	Type	Material	Colour	Weight	Box	Carton
120-041-080	KD-772-3W	2	A	Polypropylene (PP)	White	0.22 g	2000 pcs	20000 pcs
120-041-083	KD-772-3I	2	B	Polypropylene (PP)	Ivory	0.22 g	2000 pcs	20000 pcs
120-041-081	KD-772-3BR	2	G	Polypropylene (PP)	Brown	0.22 g	2000 pcs	20000 pcs
120-041-084	KD-772-3B	2	H	Polypropylene (PP)	Black	0.22 g	2000 pcs	20000 pcs

KD-772-65

(Installation hole: ϕ10)



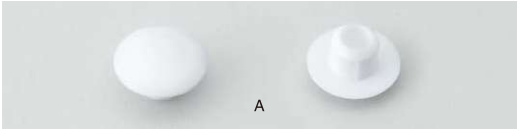
Latest Info



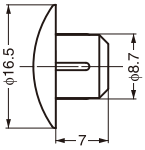
Item Code	Item Name	Model	Type	Material	Colour	H	D	L	Weight	Box	Carton
120-041-070	KD-772-65W	1	A	Polypropylene (PP)	White	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-041-075	KD-772-65I	1	B	Polypropylene (PP)	Ivory	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-049-216	KD-772-65GR	1	C	Polypropylene (PP)	Grey	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-049-257	KD-772-65MN	1	D	Polypropylene (PP)	Maple	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-041-073	KD-772-65RBR	1	E	Polypropylene (PP)	Camel	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-041-072	KD-772-65DBR	1	F	Polypropylene (PP)	Dark Brown	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-041-071	KD-772-65BR	1	G	Polypropylene (PP)	Brown	10.3	13	7	0.29 g	1500 pcs	15000 pcs
120-041-074	KD-772-65B	1	H	Polypropylene (PP)	Black	10.3	13	7	0.29 g	1500 pcs	15000 pcs

KD-773W

(Installation hole: ϕ8.6)



Latest Info



Item Code	Item Name	Model	Type	Material	Weight	Colour	Box	Carton
120-041-003	KD-773W	3	A	Polyethylene (PE)	0.48 g	White	1000 pcs	10000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

CONNECTING PART 4063A

Latest Info

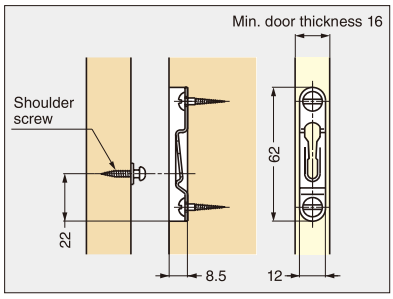


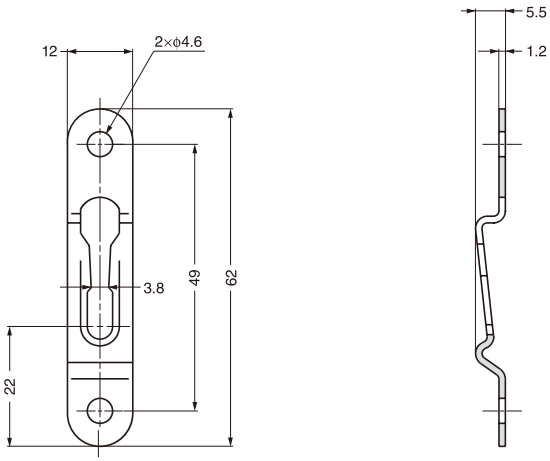
- Can be installed on many different materials including particle board, plastic, veneer and plywood.
- Useful for installation to thin surfaces like cupboards, product shelves and shelves.
- Special shoulder screw (sold separately) holds joint firmly and prevents slipping.

Sold Separately
- Shoulder screw (P.960)

Remarks
- 1 pack includes 350 pieces

Installation





Item Code	Item Name	Material	Finish	Weight	Pack	Box	Carton
120-033-281	4063A-P350	Steel	Yellow Zinc Chromate	1820 g/pack	350 pcs	1 pack	10 packs

CONNECTING PART 5063

Latest Info

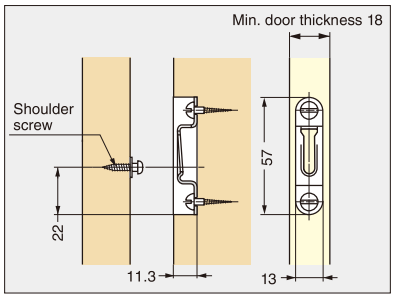


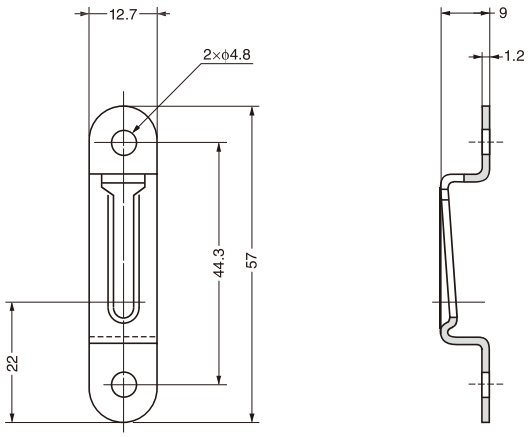
- Strong clip that is highly resistant to distortion and warping.
- Easy to attach and detach clip using special should screw (sold separately).

Sold Separately
- Shoulder screw (P.960)

Remarks
- 1 pack includes 300 pieces

Installation





Item Code	Item Name	Material	Finish	Weight	Pack	Box	Carton
120-038-032	5063-P300	Steel	Black	1770 g/pack	300 pcs	1 pack	6 packs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

CONNECTING PART 6063

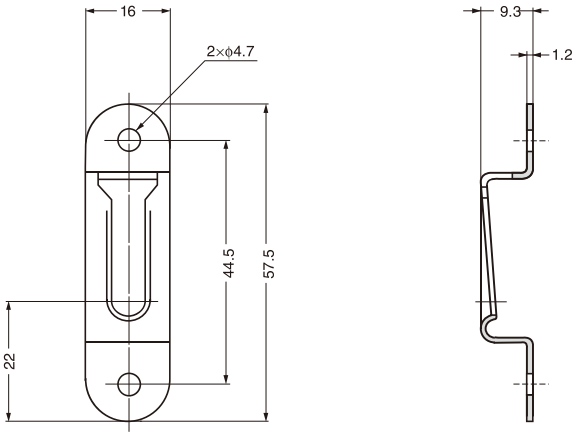
Latest Info



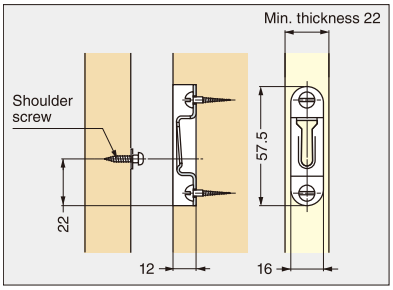
- Developed for use with thicker surfaces, not only for furniture but also small garage sheds and bungalows.
- Easy to attach and detach clip using special should screw (sold separately).

Sold Separately
- Shoulder screw (P.960)

Remarks
- 1 pack includes 250 pieces



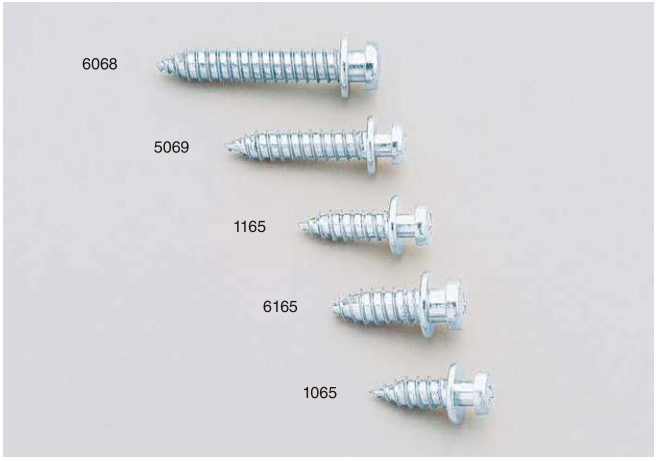
Installation



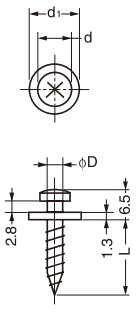
Item Code	Item Name	Material	Finish	Weight	Pack	Box	Carton
120-038-034	6063-P250	Steel	Yellow Zinc Chromate	1925 g/pack	250 pcs	1 pack	10 packs

SHOULDER SCREW 10, 11, 50, 60, 61

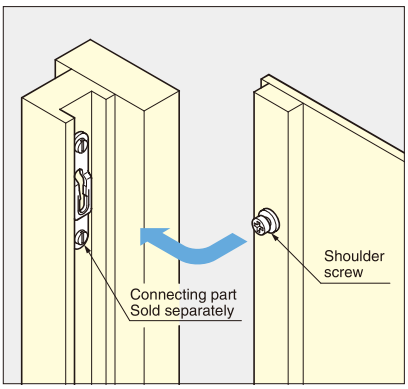
Latest Info



Remarks
- 1065 Type: 1 pack includes 800 pieces
- 1165 Type: 1 pack includes 600 pieces
- 5069 Type: 1 pack includes 500 pieces
- 6165 Type: 1 pack includes 500 pieces
- 6068 Type: 1 pack includes 250 pieces



Application Example



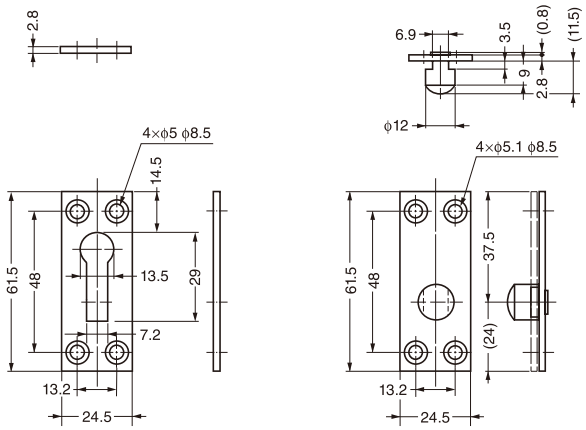
Item Code	Item Name	Suitable Connecting Part	Material	Finish	L	D	d	d_1	Nominal Size	Heat Treatment	Weight	Pack	Box	Carton
120-038-021	1065-P800	4063A/5063	Steel	Yellow Zinc Chromate	13	4	7	10	5.5	No	2240 g/pack	800 pcs	1 pack	10 packs
120-038-022	1165-P600	4063A/5063	Steel	Yellow Zinc Chromate	16	4	7	10	5.5	No	1920 g/pack	600 pcs	1 pack	10 packs
120-038-033	5069-P500	4063A/5063	Steel	Yellow Zinc Chromate	25	4	7	10	5.5	Yes	2000 g/pack	500 pcs	1 pack	10 packs
120-038-036	6165-P500	6063	Steel	Yellow Zinc Chromate	16	5.5	8.3	11	5.5	Yes	2200 g/pack	500 pcs	1 pack	10 packs
120-038-035	6068-P250	6063	Steel	Yellow Zinc Chromate	32	5.5	8.3	11	5.5	Yes	1750 g/pack	250 pcs	1 pack	10 packs

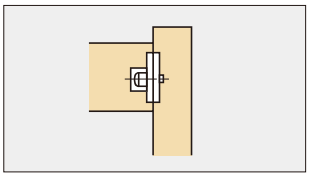
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

CONNECTING PART BF-842S

Latest Info



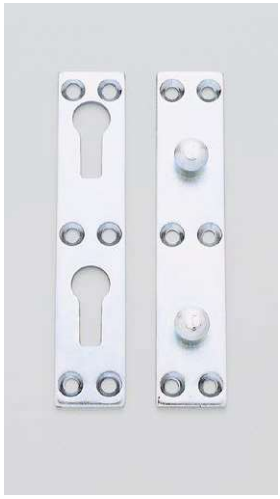


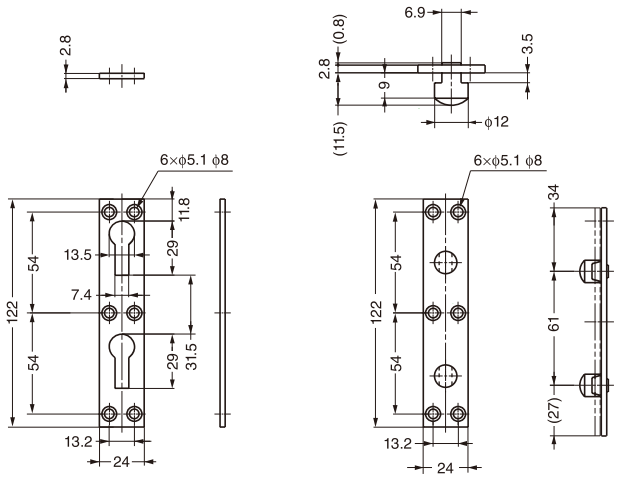


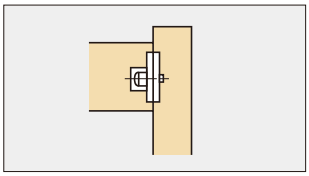
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-040-741	BF-842S	Steel	Clear Zinc Chromate	61.4 g	20 sets	200 sets

CONNECTING PART BF-842W

Latest Info







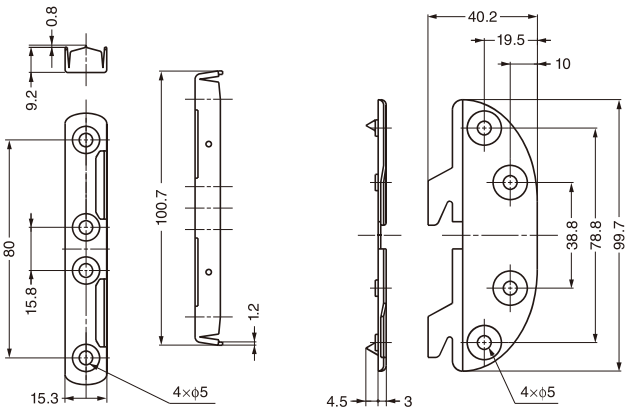
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-259	BF-842W	Steel	Clear Zinc Chromate	126 g	20 sets	100 sets

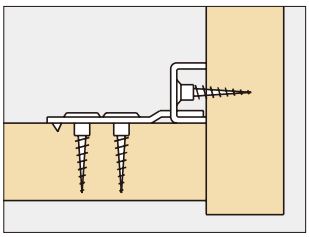
CONNECTING PART BF-803

Latest Info



BF-8031





The drawing shows BF-8031: a mirror-image of BF-8032.

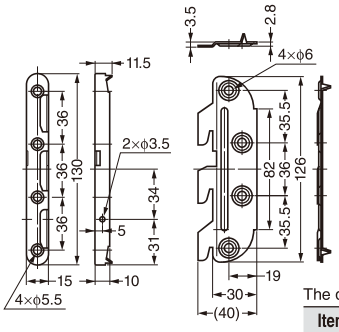
Item Code	Item Name	Material	Finish	Weight	Box	Carton
120-041-260	BF-8031	Steel	Yellow Zinc Chromate	52.4 g	50 sets	450 sets
120-041-261	BF-8032	Steel	Yellow Zinc Chromate	52.4 g	50 sets	450 sets

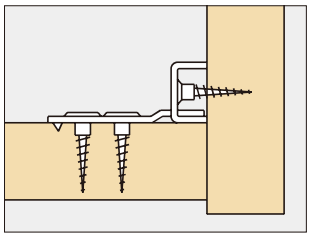
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

CONNECTING PART BF-806

Latest Info


BF-8061





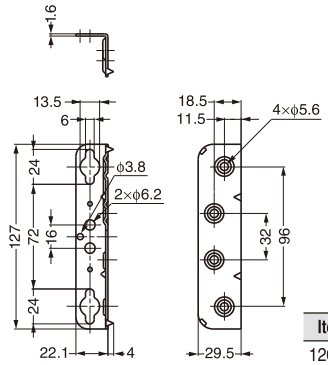
The drawing shows BF-8061: a mirror-image of BF-8062.

Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-041-262	BF-8061	Steel	Yellow Zinc Chromate	600 N	61 kgf	72.5 g	30 sets	270 sets
120-041-263	BF-8062	Steel	Yellow Zinc Chromate	600 N	61 kgf	72.5 g	30 sets	270 sets

CONNECTING PART BF-810

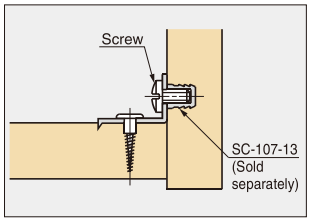
Latest Info





Sold Separately
- SC-107-13 (P.953)

Recommended Screw
- Tapping screw M6×10



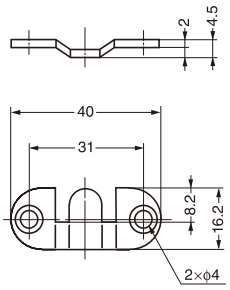
Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box	Carton
120-041-264	BF-810	Steel	Yellow Zinc Chromate	300 N	31 kgf	69.3 g	50 pcs	500 pcs

*The carton quantity will change to 200 pcs when the current stock runs out.

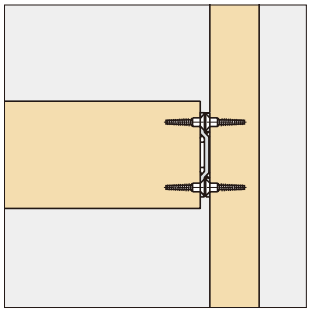
CONNECTING PART BF-857

Latest Info





Remarks
- Please use 2 pcs as a set.
- 1 pack includes 500 pieces

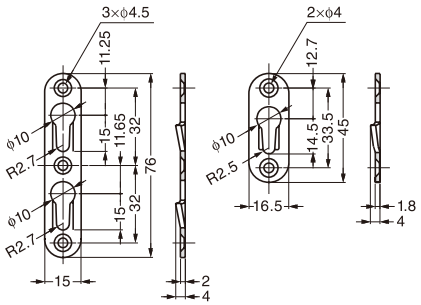


Item Code	Item Name	Material	Finish	Load Capacity		Weight	Pack	Box	Carton
120-038-037	BF-857-P500	Steel	Yellow Zinc Chromate	1000 N	102 kgf	3700 g/pack	500 pcs	1 pack	4 packs

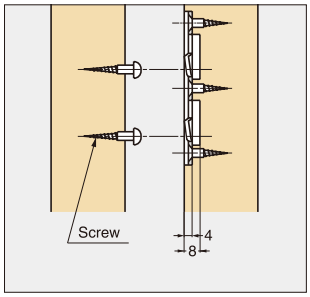
CONNECTING PART BF-K

Latest Info


BF-KS
BF-KW



Remarks
- 1 pack includes 20 pieces



Item Code	Item Name	Material	Finish	Load Capacity		Weight	Pack	Box	Carton
120-038-039	BF-KW-P20	Steel	Clear Zinc Chromate	500 N	51 kgf	202 g/pack	20 pcs	5 packs	50 packs
120-038-038	BF-KS-P20	Steel	Clear Zinc Chromate	600 N	61 kgf	136 g/pack	20 pcs	10 packs	200 packs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Discover What Sugatsune's Website Has to Offer!

sugatsune global Search

Our site offers...

- Keyword Search + Product Filters
- Installation Instructions
- New Product Information
- CAD Data (2D, 3D)
- Customer Solution Case Studies
- Product Videos
- Hardware Basics
- Selection Tools

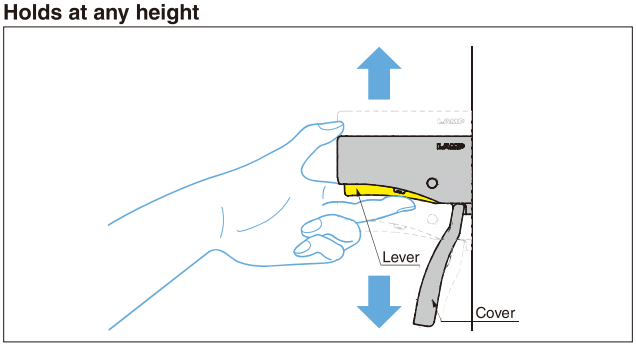
LAMP ADJUSTABLE MOUNT FSL-V36

Latest Info



- Holds at any height on aluminium frames.
- The cover prevents unintentional lock release.
- Designed for use with the FSL-L, an aluminium frame.
- Can also be used with other companies' aluminium frames that are over 40 mm in width. Please see the drawing below for details.
- The locking mechanism prevents only downward motion.
- Can be installed to an aluminium frame that is already assembled.
- A monitor can be mounted on the FSL-V36 when used with the FSL-MB, an optional monitor-mounting bracket.

Holds at any height



INSTRUCTION

Application
- Control panels, monitors

Remarks
- It is recommended to use one per frame.
- Please use only with vertical sliding applications.

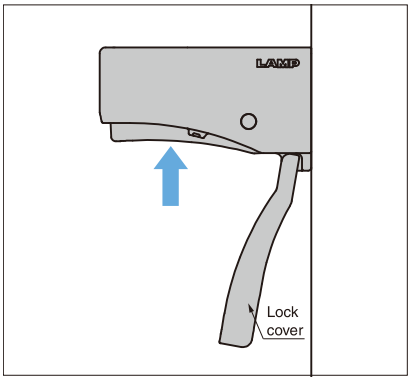
Parts Included
- Hex bar spanner (nominal 2.5)

Optional Parts
- FSL-MB, Monitor Mounting Bracket
- FSL-L, Aluminium Frame

Recommended Screw
- M5 screws

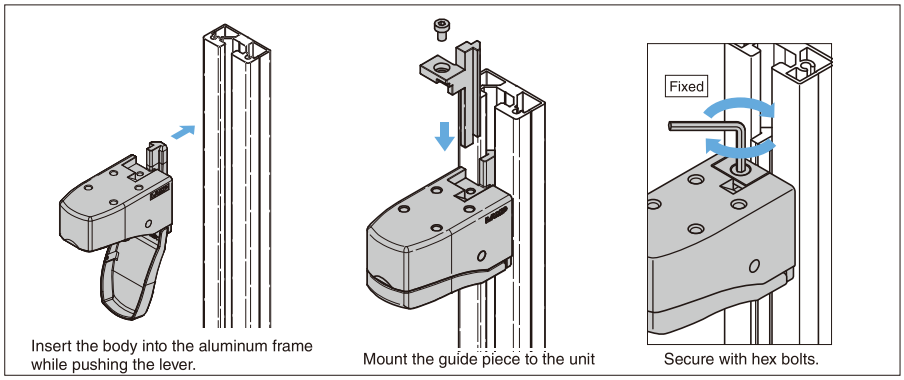
Feature

Operation

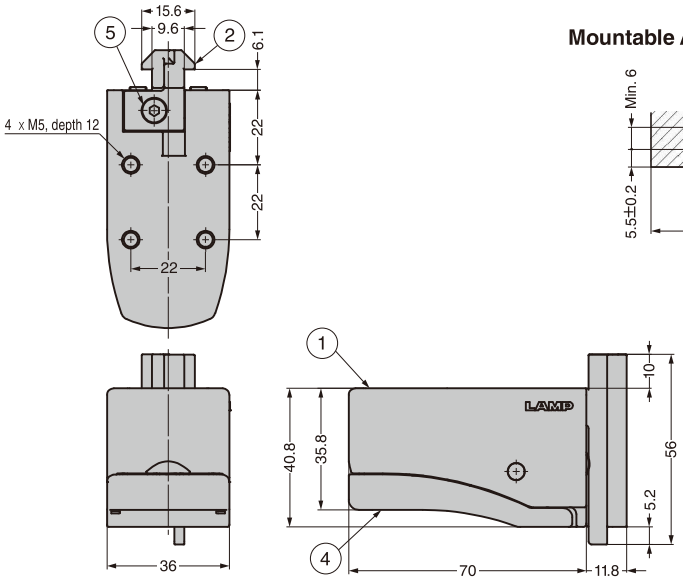


Open the cover and push the lever to move the unit up or down. The unit stops where the lever is released.

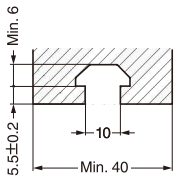
Installation



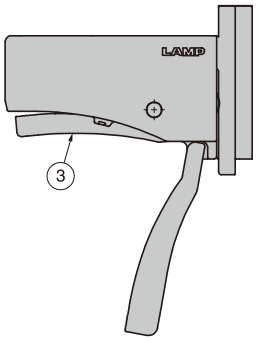
Can be installed to an aluminium frame that is already assembled. (see the instruction manual for details)



Mountable Aluminium Frame



When cover is opened



No.	Part Name	Material	Finish/Colour
①	Main Body	Zinc Alloy (ZDC)	Satin Chrome Plating
②	Guide Piece		
③	Lever		
④	Lock Cover	ABS Resin	White
⑤	Hexagonal socket cap low head bolt M4×6	Stainless Steel	Plain

Item Code	Item Name	Vertical Load Capacity N	Vertical Load Capacity kgf	Allowable Moment N·m	Allowable Moment kgf·cm	Weight (g)	Box	Carton
190-042-160	FSL-V36	117	12	20	204	310	1 pc	18 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

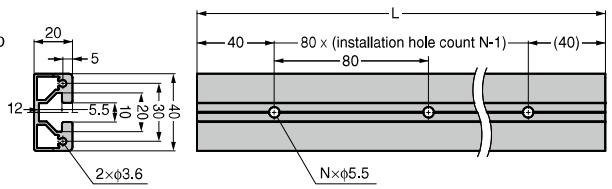
ALUMINIUM FRAME FSL-L

Latest Info



Recommended Screws
- Hexagon Socket Head Bolt M5

Optional Parts
- FSL-EC End Cap
- FSL-S4 Stopper



Feature

Item Code	Item Name	L	Installation Hole Count N	Material	Finish	Weight (g)	Box
190-042-162	FSL-L400	400	5	Aluminium Alloy	Silver Anodising	333	30 pcs
190-042-163	FSL-L800	800	10			665	15 pcs
190-042-164	FSL-L1200	1200	15			998	9 pcs
190-042-165	FSL-L2000	2000	25			1663	6 pcs

END CAP FSL-EC

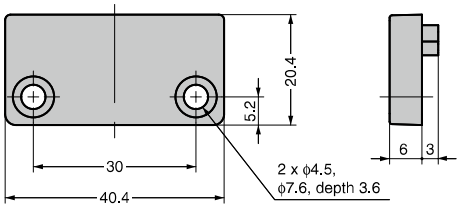
Latest Info



- End cap for the FSL-L Aluminium Frame.

Parts Included
- Size 4 x 8 cross-recessed pan head tapping screws

Feature



Item Code	Item Name	Material	Colour	Weight (g)	Box
190-042-166	FSL-EC	ABS Resin	Grey	3.1	200 pcs

STOPPER FSL-S4

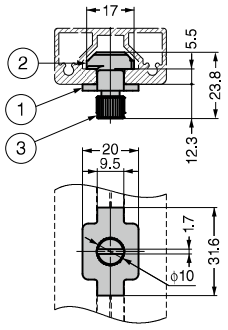
Latest Info



- A stopper for the FSL-L Aluminium Frame.
- Can also be used with other companies' aluminium frames that are over 40 mm in width. Please see the drawing of the FSL-V36 for details.

No.	Part Name	Material	Finish/Colour
①	Body	SPCC	Chrome Plating
②	AS Nut	Stainless Steel (SUS316)	Barrel Polished
③	Knurled Knob	Steel	Nickel Plating

Feature



Item Code	Item Name	Weight (g)	Box
190-042-167	FSL-S4	22	200 pcs

MONITOR MOUNTING BRACKET FSL-MB

Latest Info

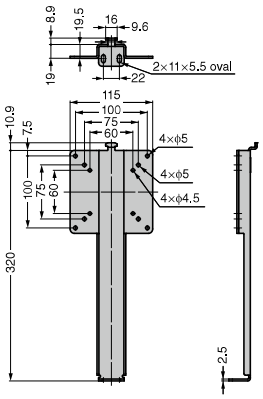


Application



Used with FSL-V36 and KA-T100S50

Feature



- Enables mounting of monitors with hole pitch compliant with the VESA standard (75 x 75 mm, 100 x 100 mm).
- The KA-T100S50, a monitor mount can also be mounted to the FSL-V36, an adjustable mount.

Sold Separately
- KA-T100S50, Monitor Mount



*Angle adjustment: 180° swiveling, and 40° tilting

Item Code	Item Name	Material	Finish/Colour	Weight (g)	Box
190-042-161	FSL-MB	Steel (SPCC)	Enamel Silver	566	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Update: 12.13.2024

LAMP. MONITOR BRACKET (WITH TORQUE & AUXILIARY LOCK) KA-T100S50

Latest Info

Free stop

Passed Private 20K Cycle Test



KA-T100S50



KA-T100S50-WT

- Can be easily installed and removed.
- Free stops in a range of 180° (swivel) and 40° (tilt).
- Auxiliary lock prevents monitor from sagging due to minute vibration. Also suitable for touch screen.
- Auxiliary lock temporarily releases if a heavy load is applied when locked.
- Bracket holes based on VESA standard (75 × 75 mm, 100 × 100 mm).
- Applicable monitor size: 12 - 22.9 inch (Up to about 10.0 kg)
- A white version is now available.

INSTRUCTION

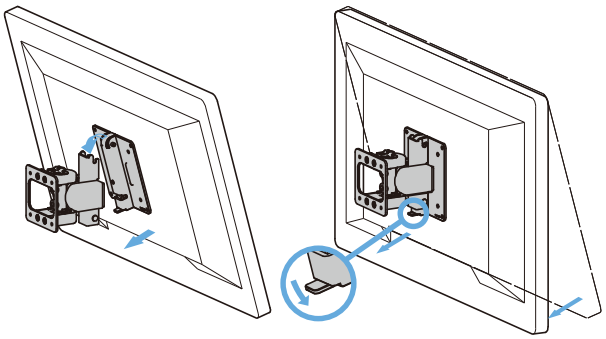
Applications

- Liquid crystal monitors for machine tools, OA equipment and medical equipment, etc.

Remarks

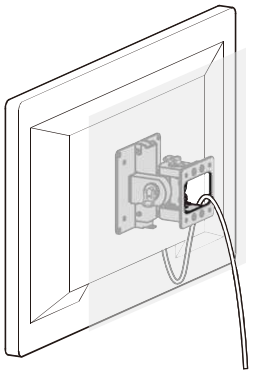
- Do not forcibly move the monitor after applying the auxiliary lock.
- After installing the monitor, make sure that the release lever is locked.
- Do not operate continuously (repeatedly in a short time).

How to Install and Remove Monitor



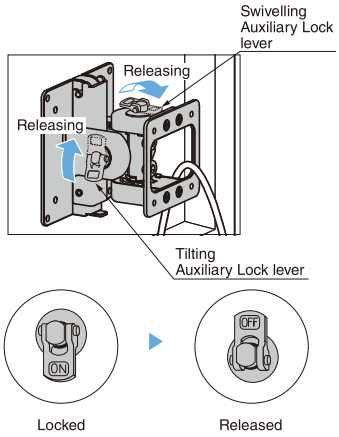
Monitor may be installed with one touch.

Push down the release lever and tilt the monitor, then the monitor can be removed.



Wire hole allows you to put power cable and monitor cable out of the mounting surface.

Auxiliary Lock Operation



Locked

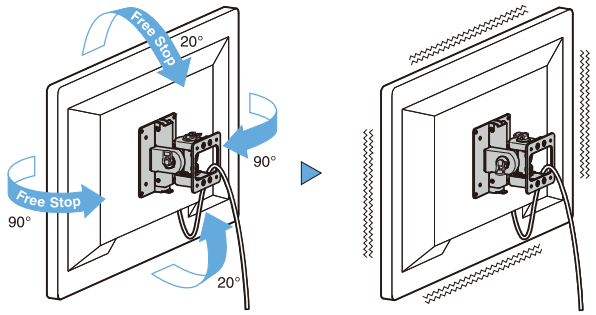
Released

Releases with auxiliary lock lever.

How to Adjust Angle

Released

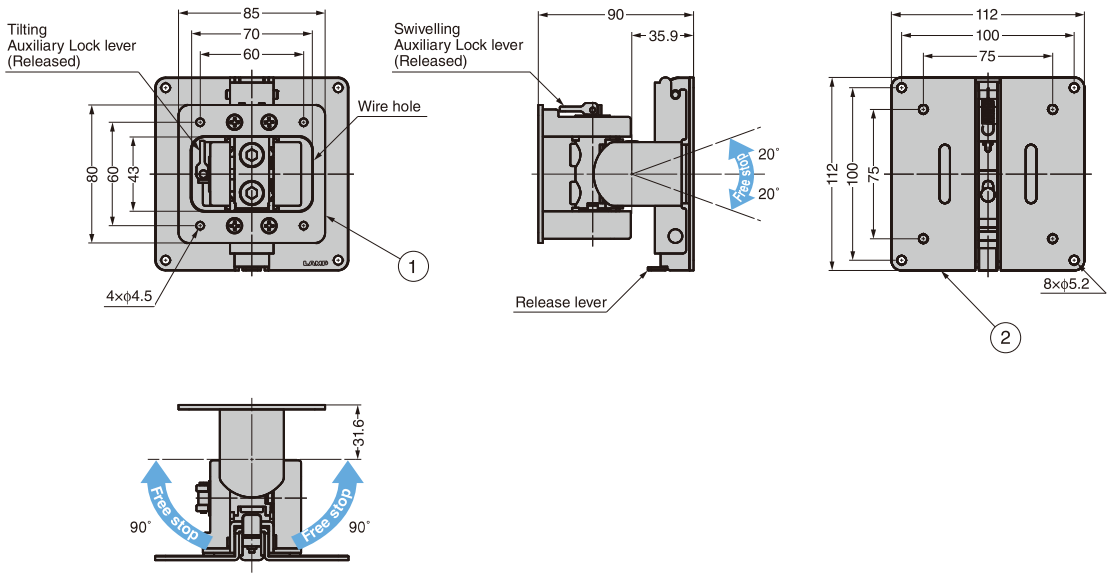
Locked



Can hold at any angle within ±20° in tilting and ±90° in swivelling.

Keeps the monitor in position even while subject.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.



No.	Part Name	Material	Finish / Colour
①	Body (Wall Side)	Steel (SPCC)/ ABS	Black
②	Base (Monitor Side)		

Item Code	Item Name	Colour	Mounting	Torque (Tilting) N·m/pc	Torque (Tilting) kgf·cm/pc	Torque (Swivelling) N·m/pc	Torque (Swivelling) kgf·cm/pc	Weight (kg)	Box (pcs)	Carton (pcs)
210-033-587	KA-T100S50	Black	Wall Mount	10.0$^{\pm 20\%}$	102.0$^{\pm 20\%}$	5.0$^{\pm 20\%}$	51.0$^{\pm 20\%}$	1	1	12
210-050-289	KA-T100S50-WT	White	Wall Mount	10.0$^{\pm 20\%}$	102.0$^{\pm 20\%}$	5.0$^{\pm 20\%}$	51.0$^{\pm 20\%}$	1	1	12

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MONITOR ARM KA-T100S50-W/P Free Stop and Lock / For Touch Screens NEW

Latest Info

Free stop
Passed Private 20K Cycle Test



KA-T100S50-W3-BL



KA-T100S50-P2-WT

- The robust structure securely holds monitors in position.
- It prevents touch screens from shaking or causing unintentional inputs.
- Allows for free-stop motion in tilt and swivel directions.
- Comes with auxiliary lock mechanism which prevents sagging.
- The auxiliary lock has a safety function. The lock temporarily releases to avoid breakage if an unintentional heavy load is applied on it.
- One- touch installation and removal.

INSTRUCTION

Specification
- Compliant with the VESA standard. (75x75mm,100x100mm)
- Available moitor size: 12 - 23 inches (Weight: Max. 10 kg)

Application
- Liquid crystal monitors for machine tools, OA equipment and medical equipment

Remarks
- Do not forcibly move the monitor after auxiliary lock is activated.
- After installing the monitor, make sure that the release lever is locked.
- Do not operate continuously (repeatedly in a short time).
- Avoid water, oil, and lubricant from getting on the product.

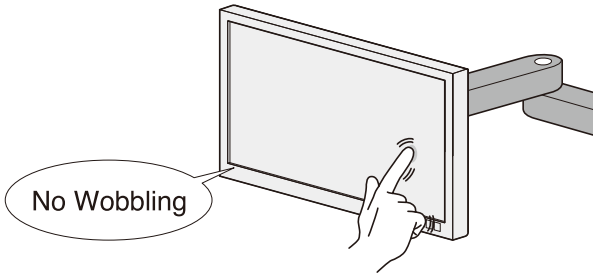
Parts Included
- Cable tie

Optional Parts
- Rotation Bracket KA-T100S50-PMT (P.970)

Feature

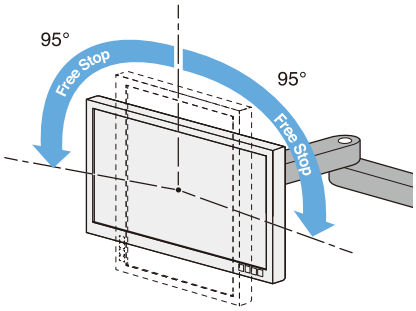
Installation

Stable Operation



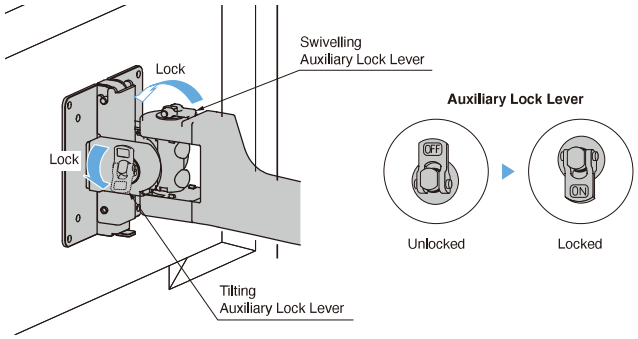
Prevents touch screens from shaking or causing unintentional inputs.

Rotational Motion

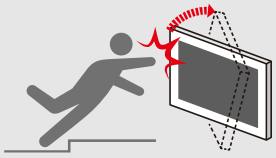


The optional rotation bracket allows for free stop in the rotation direction.
(Free-stop range: 95° on each side)

Auxiliary Lock Operation



The auxiliary lock temporarily releases to avoid breakage if unintentional heavy load is applied to it.

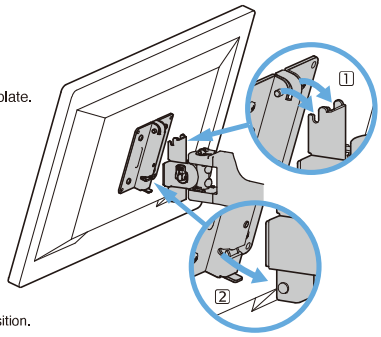


*Do not forcibly move monitors when locked.

Installation and Removal

Installation

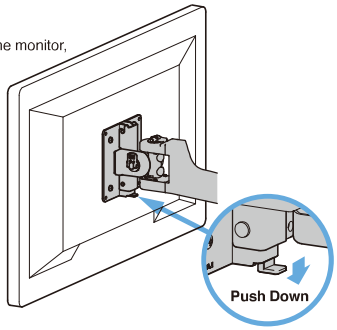
1 Fit the protrusion into the groove of the bracket.
2 Push the lower part of mounting plate.



*Make sure UP mark is in upward position.

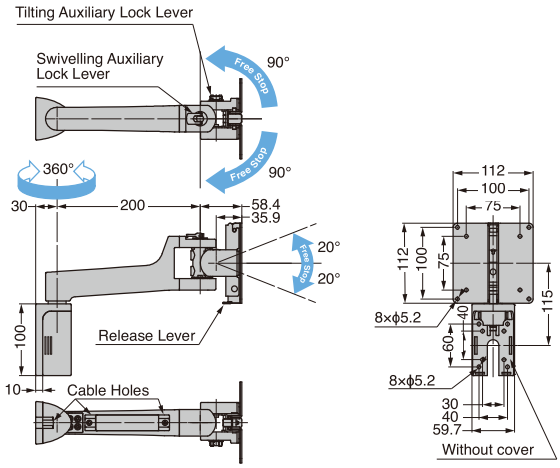
Removal

Push down the release lever and tilt the monitor, then the monitor can be removed.

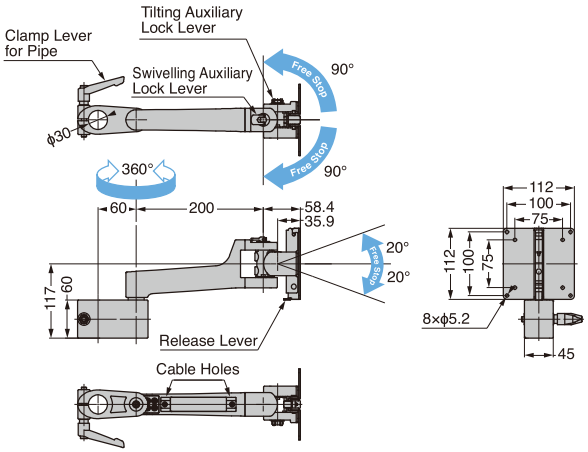


This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

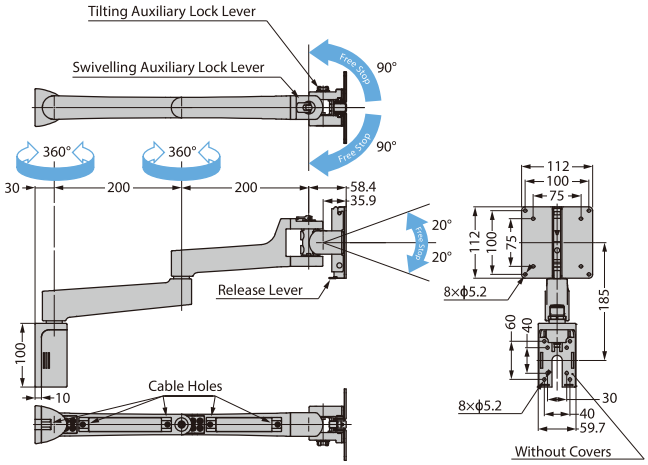
KA-T100S50-W2 Wall Mount / Single Arm



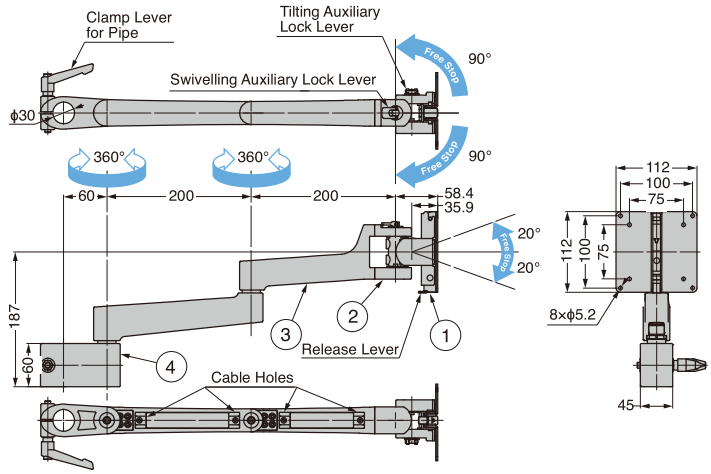
KA-T100S50-P2 Pipe Mount (ϕ30) / Single Arm



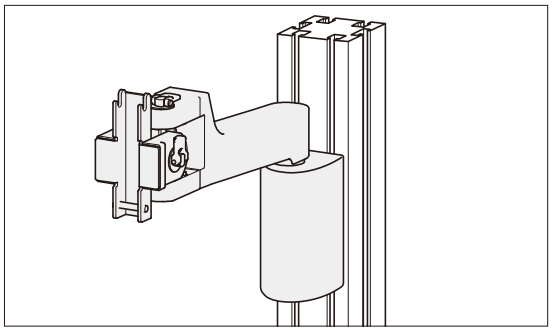
KA-T100S50-W3 Wall Mount / Double Arms



KA-T100S50-P3 Pipe Mount (ϕ30) / Double Arms

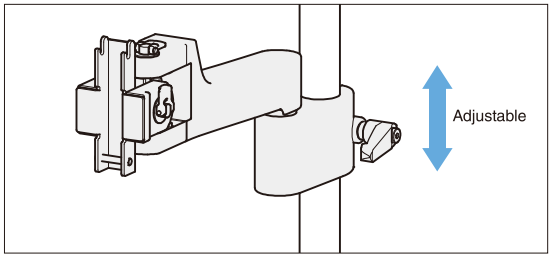


[Can be mounted on aluminium frame] For wall mount type

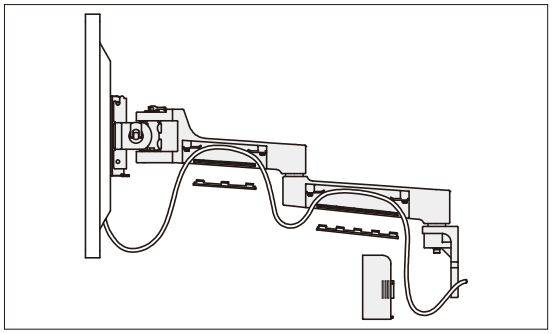


Available Aluminium Frame: 30 x 60 mm or 40 x 80 mm/ 2 slots

[Height Adjustment] For pipe mount type



[Wiring Cables]



Comes with covers for cables.

No.	Part Name	Material	Finish
①	Mounting Plate	Steel (SPCC)	Electrodeposition/ Black Baked paint/White
②	Body	Steel (SPCC) / ABS	
③	Arm	Aluminium Alloy (ADC) / ABS	Matte Anodized
④	Base	Aluminium Alloy (ADC)	

Item Code	Item Name	Type	Colour	Torque N·m (Tilt)	Torque N·m (Rotation)		
					Monitor Part	Center Part	Mounting Part
210-048-353	KA-T100S50-W2-BL	Wall Mount / Single Arm	Black	10 ±20%	5.0 ±20%	-	8.0 ±20%
210-048-354	KA-T100S50-W2-WT		White				
210-048-349	KA-T100S50-P2-BL	Pipe Mount (ϕ30) / Single Arm	Black				
210-048-350	KA-T100S50-P2-WT		White				
210-048-355	KA-T100S50-W3-BL	Wall Mount / Double Arms	Black			4.0 ±20%	
210-048-356	KA-T100S50-W3-WT		White				
210-048-351	KA-T100S50-P3-BL	Pipe Mount (ϕ30) / Double Arms	Black				
210-048-352	KA-T100S50-P3-WT		White				

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ROTATION BRACKET KA-T100S50-PMT Free Stop NEW

Latest Info

Free Stop



KA-T100S50-PMT-BL



KA-T100S50-PMT-WT

- Allows monitors to rotate and hold in position.
- Replace the original mounting plate with this bracket.

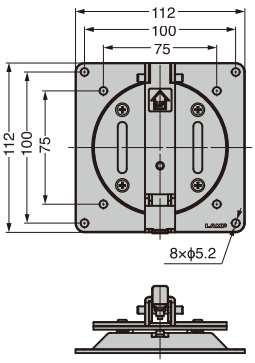
Specification

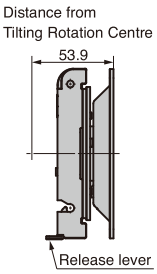
- Compliant with the VESA standard. (Hole interval: 75 x 75 mm / 100 x 100 mm)
- Available monitor size: 12 - 23 inches (Weight: Max. 8 kg)

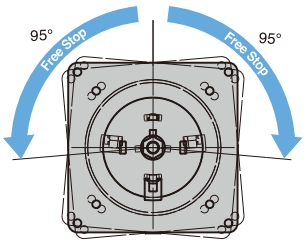
Compatible Product

- Monitor Bracket KA-T100S50 (P.966 to P.967)
- Monitor Arm KA-T100S50-W/P (P.968 to P.969)

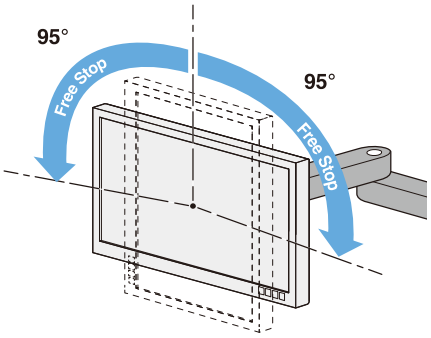
Feature





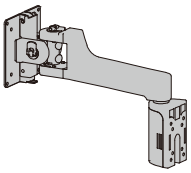
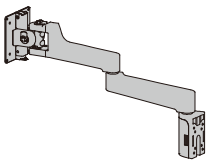
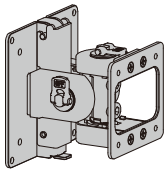
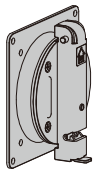
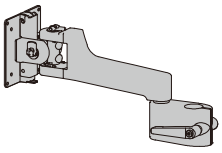
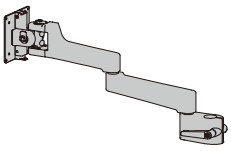


Free-stop Rotation



Item Code	Item Name	Colour	Torque N·m (Rotate)	Weight (g)
210-048-357	KA-T100S50-PMT-BL	Black	4.0 ±20%	641
210-048-358	KA-T100S50-PMT-WT	White		

Suggested Options — MONITOR MOUNT SERIES KA-T100S50 NEW

	Single Arm (P.968 to P.969)	Double Arms (P.968 to P.969)	Armless (P.966 to P.967)	Option (P.970)
●Wall Mount ●Aluminium Frame Mount	 KA-T100S50-W2-BL KA-T100S50-W2-WT	 KA-T100S50-W3-BL KA-T100S50-W3-WT	 KA-T100S50	 KA-T100S50-PMT-BL KA-T100S50-PMT-WT
●Pipe Mount	 KA-T100S50-P2-BL KA-T100S50-P2-WT	 KA-T100S50-P3-BL KA-T100S50-P3-WT		

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MONITOR ARM KA-TLG Tilt Angle Adjustment by Button NEW

Latest Info

Passed Private 3K Cycle Test (height adjustment)



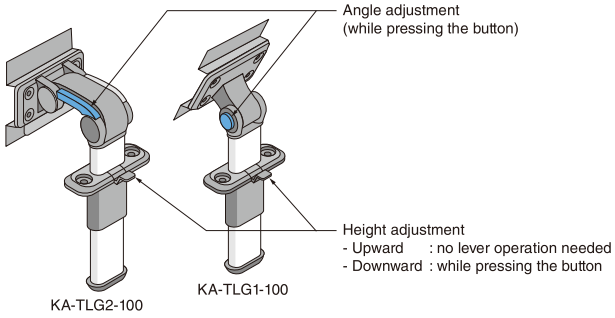
Dual axis type　　Single axis type

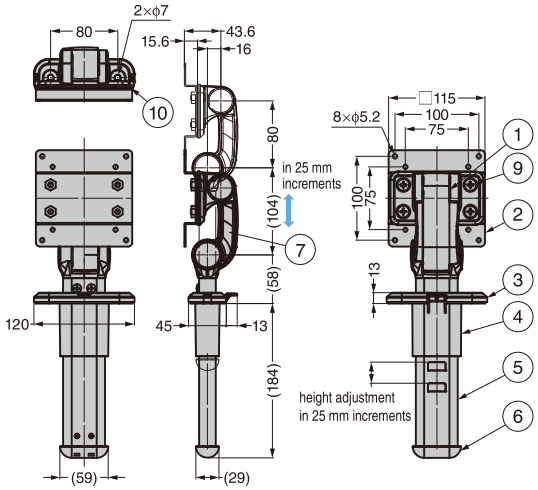
- The tilt angle can be adjusted in 10° increments while the button is pressed.
- The back lever allows for height adjustment in 25 mm increments (4 levels). It has a friction mechanism which prevents against accidental release.
- The monitor-mounting holes are compliant with the VESA standard. (75 x 75 mm, 100 x 100mm)
- Available monitor size: 12 - 22.9 inches (Weight: Max. 10 kg)

Remarks

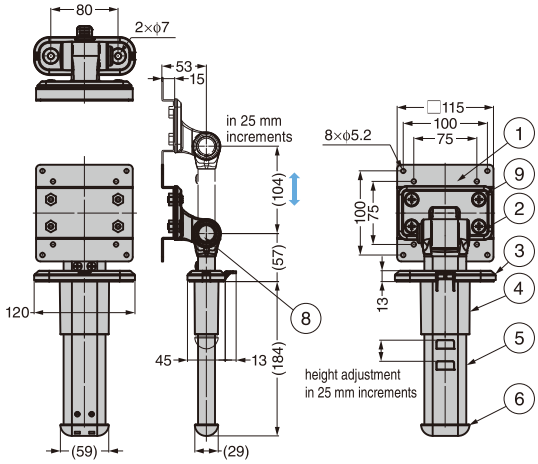
- Please support the monitor with a hand when adjusting the angle and height.

Tilt and Height Adjustments



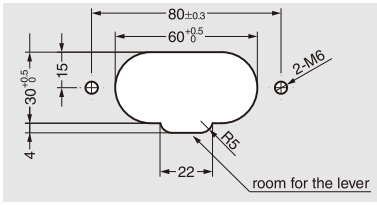


KA-TLG2-100

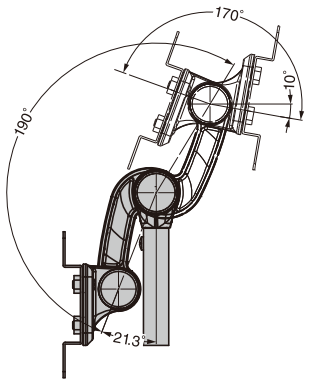


KA-TLG1-100

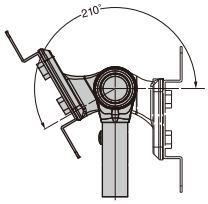
Cut Out Dimensions



Feature



KA-TLG2-100
(Dual axis)



KA-TLG1-100
(Single axis)

No.	Part Name	Material	Finish/Colour
①	Bracket	Polyamide (PA)	Black
②	Mounting Plate	Steel (SPHC)	
③	Cover	Polycarbonate	
④	Outer Pipe	ABS	
⑤	Aluminium Pipe	Aluminium Alloy	Anodized
⑥	End Cap	ABS	Black
⑦	Button	Polyamide (PA)	Grey
⑧	Button	ABS	
⑨	Cross-recessed trus head screw	Steel	Balck Chromate
⑩	Packing	Nitrile Rubber (NBR)	Black

Item Code	Item Name	Axis	Vertical Load Capacity		Allowable Moment		Weight (g)	Box (pc)
			N	kgf	N.m	kgf.cm		
210-044-071	KA-TLG2-100	Dual	100	10.2	15	153	705	1
210-044-070	KA-TLG1-100	Single					545	1

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
BRACKETS
FOLDING BRACKETS
STANDARDS & BRACKETS
GLASS SHELF CLAMPS
SHELVING SYSTEMS
DOWELS & FASTENERS
OTHERS

Discover What Sugatsune's Website Has to Offer!

sugatsune global Search

Our site offers...

- Keyword Search + Product Filters
- Installation Instructions
- New Product Information
- CAD Data (2D, 3D)
- Customer Solution Case Studies
- Product Videos
- Hardware Basics
- Selection Tools

Technical Information

1364 | TEST METHODS
1366 | SURFACE TREATMENT
1367 | MATERIALS
1368 | DOOR WEIGHT TABLE

September 2024

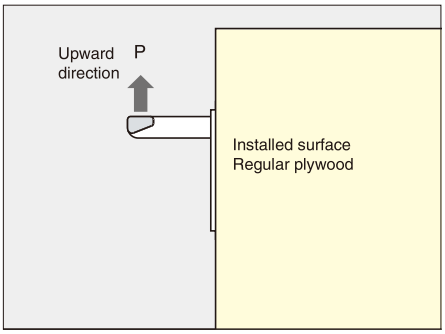
TEST METHODS

■Test Methods

In this catalogue, various values about products with TEST METHOD icon in the product specification columns are determined by the tests as described below. Values are to provide guidance for the safe use of our products.

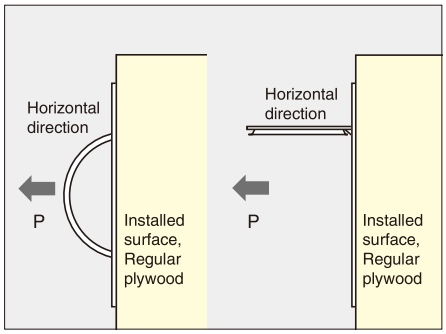
Product without TEST METHOD icon may not be based on these criteria in some cases.

TEST METHOD 1 HANDLE LOAD CAPACITY TEST



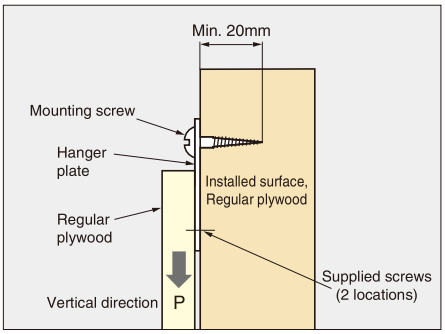
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 2 HANDLE, PULL, HOOK LOAD CAPACITY TEST



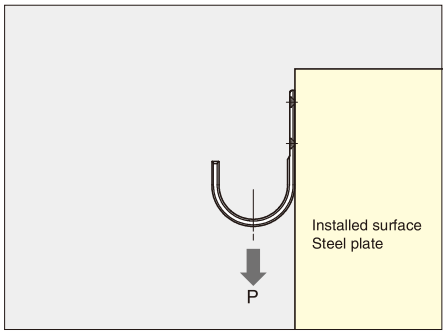
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Product may fail or distort if the force is applied in a direction other than the frontal direction. Please do not use on application other than in the pull direction.

TEST METHOD 3 HANGING-LOAD CAPACITY TEST



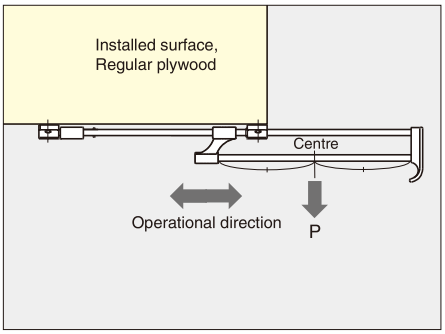
The hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure. This value will vary according to the diameter / length of the screw(s) used and strength of the installed surface.
Hanging load of 10 kgf, in case of using round head wood screw 3.8 x 25.

TEST METHOD 4 HOOK LOAD CAPACITY TEST



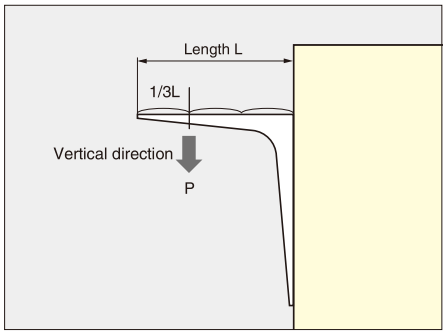
Under the conditions shown in the figure, a force (P) is gently applied to the centre of the hanging part in the vertical direction. The indicated load capacity value is about one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 5 MAXIMUM HANGING-LOAD TEST



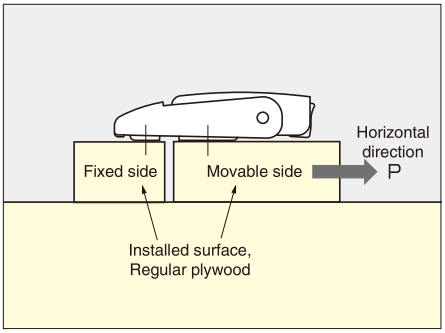
The maximum hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow and operated under the condition indicated by the figure. If the load is concentrated at the front tip of the hanger, the front tip may sag or the movement may become heavy.

TEST METHOD 6 BRACKET LOAD CAPACITY TEST



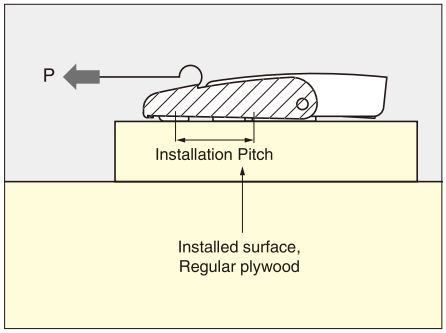
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
(This is based on the force (W) applied at the centre of the shelf board with its length 4/3 times longer than the shelf bracket or angle bracket.)

TEST METHOD 7 FASTENER LOAD CAPACITY TEST



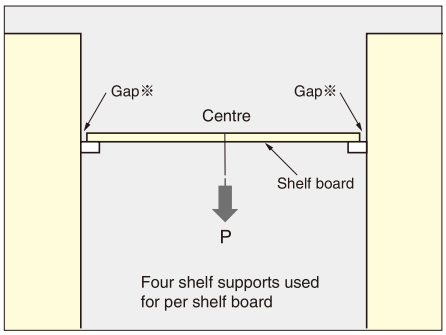
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 8 CLAMPING FORCE TEST UNDER STANDARD INSTALLATION



The capacity of the clamping force under standard installation is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure, and when the shaded portion begins to slide.

TEST METHOD 9 DOWEL, SHELF STANDARD LOAD CAPACITY TEST



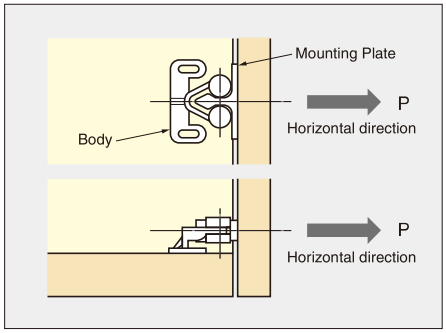
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Follow the conditions below to prevent the shelf supports or shelf board from falling off.

Condition 1 The gap (※) between the shelf board and the side board shall be 1mm or less.
※ The gap between the shelf board and the shelf standard if shelf support is installed on a shelf standard.

Condition 2 Use shelf board which has sufficient durability.

Condition 3 The mounting hole processing dimension of the shelf dowel shall be less than the recommended mounting hole dimension.
(The processing dimension may vary depending on the material of the side board.

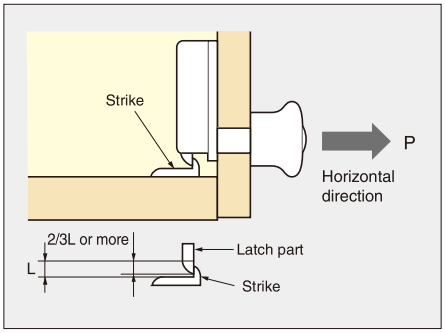
TEST METHOD 10 CATCH FORCE TEST



The catch force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Misalignment of the mounting plate and body parts may cause the catch force to decrease or parts failure.

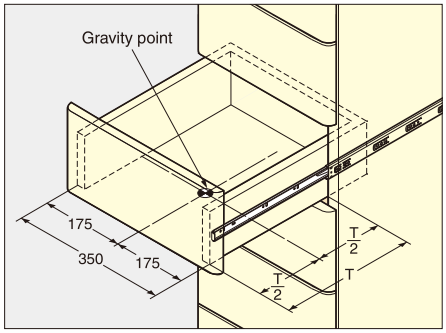
TEST METHOD 11 RETAINING FORCE TEST



The retaining force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Latch and strike must be engaged at least 2/3L or more (see the figure).

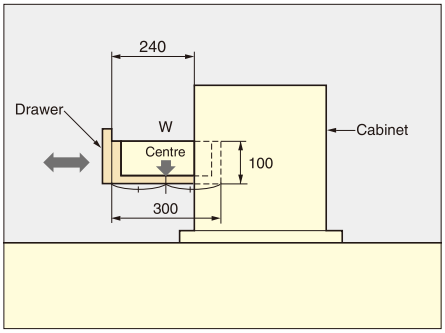
TEST METHOD 12 DRAWER SLIDE LOAD CAPACITY TEST



Calculation of slide centre of gravity

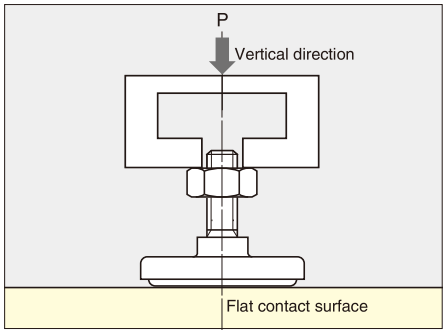
The load capacity is measured based on the condition:
- Continuous open-close: 50,000 cycles
- Speed: 10 cycles per minute
- Load is applied on the gravity point. The figure of load capacity includes drawer itself.
- Drawer width: 350mm

TEST METHOD 13 DRAWER SLIDE LOAD CAPACITY TEST



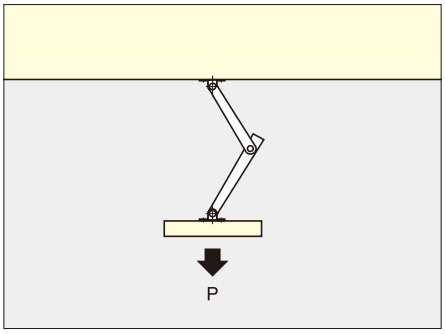
The load capacity is measured when the weight (W) is applied at the centre of the drawer under the condition indicated by the figure and the operation to pull out the drawer by 240mm is repeated. The gap between drawer and cabinet shall be 1 mm or less.

TEST METHOD 14 LEVELLING GLIDE LOAD CAPACITY TEST



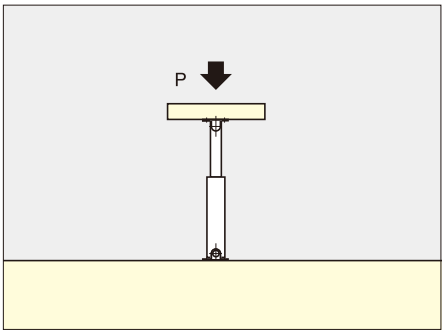
The load capacity is measured when the force (P) is applied in the direction of the arrow under the condition indicated in the figure.
Product may break or distort if the contact surface is not flat.

TEST METHOD 15 PULL LOAD TEST



The pull load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 16 COMPRESSION LOAD TEST



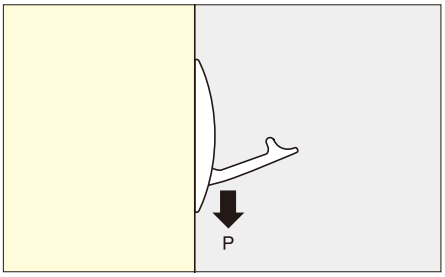
The compression load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 17 PERMISSIBLE LOAD OF FASTENER

Permissible load kgf = Ultimate Load ÷ 3

The safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the fastener in intended application.

TEST METHOD 18 HOOK LOAD CAPACITY TEST

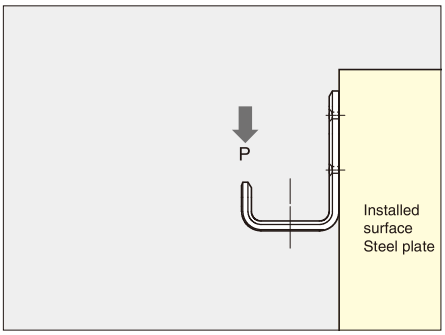


The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Load capacity kgf = Ultimate Load ÷ 3

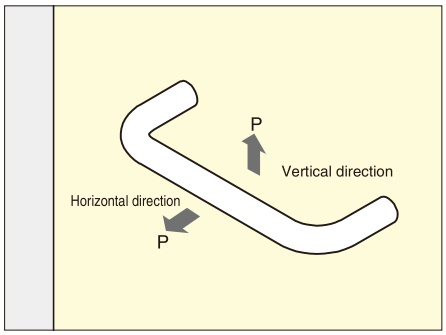
However, the safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the hook in intended application.

TEST METHOD 19 HOOK LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical direction. The indicated load capacity value is one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 20 HANDLE LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical and horizontal directions. The load capacity is a value that indicates the strength of the handle itself. Install it on something with sufficient strength or reinforcement.

SURFACE TREATMENT

Finish	Characteristics
Zinc Plating	Zinc plating is commonly used on steel to prevent oxidation. Chromate is generally applied over zinc to enhance corrosion resistance.
Chromate Conversion Coating	Major coating mainly applied on parts after zinc plated or cadmium plated. Parts are immersed in a solution mainly consisting of chromic acid or heavy chromic acid to create the coating. This is used to improve corrosion resistance and appearance of metals, metal colouration, and is also used as a pre-treatment for painting. Various chromate coatings are developed such as yellow chromate (rainbow colour), clear chromate, black chromate, green chromate, etc.
Chrome Plating	Common electroplating for various industrial purposes. Reflective finish can be achieved by polishing. High hardness and good corrosion resistance along with thermal resistance, abrasion resistance and good adhesion characteristics. Generally used as final finish for various decorative parts and products due to its uniquely deep colouration.
Nickel Plating	Nickel is commonly used for decorative and anti-corrosion purpose because of its stability against air or humidity compared to iron. However, since the surface of the nickel plating will slightly discolour through exposure to air, chrome is often used after nickel to keep the finish/colour. Nickel plating has moderate hardness / corrosion-resistance and widely used on industrial application.
Alumite or Anodising (Anodic Oxidation Film Processing)	Also called the “anodic oxidation film processing”. This process thickens and toughens natural oxide layer on metal, commonly applied to aluminium for corrosion resistance and dyeing. In aluminium anodising, aluminium object serves as the anode (the positive electrode) when electrolysed in the sulfuric acid. This will create a layer of porous oxide film which has high electric insulation and abrasion resistance. The film is normally transparent when it is thin, although it becomes dull as the thickness increases.The pores produced by anodising are closed by a process called sealing, which is done by high-pressurised or boiling-hot deionised water. This process fills the pores and creates a thin layer that is corrosion resistant, suitable for various aluminium parts / products.

※Hexavalent-Chromium (CR6) Free

Sugatsune is strictly controlling the use of chemicals that would adversely impact the environment. We are designing and developing products with minimum use of materials which has adverse environmental impact. Hexavalent chromium compound is especially known for its adverse effects on the human body. We are actively substituting this Hexavalent-chromium (CR6) with the environment friendly Trivalent-chromium (CR3).

MATERIALS

In this catalogue, materials are indicated below. (For some items, only the materials of main parts are shown due to space limitations)

Irons and Steels

Material	Name
Steel	Iron-based screw, washer, etc.
Steel (SS)	Rolled steel for general structure
Steel (S※※C)	Carbon steel for machine structural use (Enter number for ※)
Steel (SECC)	Electrogalvanised steel sheet and steel strip
Steel (SF)	Carbon steel forging
Steel (SGCC)	Hot-dip galvanised steel sheet and steel strip
Steel (SK)	Carbon tool steel
Steel (SPCC)	Cold-rolled steel sheet and steel strip
Steel (SPHC)	Hot-rolled mild steel sheet and steel strip
Steel (SUM)	Sulfur and sulfur-composite free cutting steel
Steel (SUP)	Spring steel
Steel (SW)	Hard steel wire
Steel (SWP)	Piano wire
Steel (SWRH)	High carbon steel wire rod
Steel (SWRM)	Low carbon steel wire rod
Steel (SWCH)	Carbon steel for cold heading
Cast Iron (FC)	Grey iron casting
Stainless Steel	Stainless steel screw, washer, etc.
Stainless Steel (SUS301)	Austenitic stainless steel
Stainless Steel (SUS303)	Austenitic stainless steel
Stainless Steel (SUS304)	Austenitic stainless steel
Stainless Steel (SUS316, SUS316L)	Austenitic stainless steel
Stainless Steel (SUS420)	Martensitic stainless steel
Stainless Steel (SUS430)	Ferritic stainless steel
Stainless Steel (SUS440)	Martensitic stainless steel
Stainless Steel (SUS631)	Precipitation hardening stainless steel
Stainless Steel (SCS13)	Stainless steel casting
Stainless Steel (SCS14)	Stainless steel casting

Non-ferrous Metals

Material	Name
Aluminium Alloy	—
Aluminium Alloy (ADC)	Aluminium alloy die casting
Aluminium Alloy (AC)	Aluminium alloy casting
Zinc Alloy	—
Zinc Alloy (ZDC)	Zinc alloy die casting
Zinc Alloy (BRIC)	A kind of zinc alloy die casting
Brass	—
Free Cutting Brass	—
Phosphor Bronze	—
Phosphor Bronze for Spring	—
Nickel Silver	—
Copper Alloy Casting (CAC)	—
Magnesium Alloy (MDC)	Magnesium alloy die casting
Titanium Alloy	—

Magnets

Material	Name
Ferrite	—
Neodymium	—
Samarium Cobalt	Samarium-cobalt
Alnico	—

Plastics

Material	Name
ABS Resin	Acrylonitrile butadiene styrene
AES Resin	Acrylonitrile ethylene propylene rubber styrene
AS Resin	Acrylonitrile styrene
Cellulose Acetate (CA)	—
Casein (CS)	—
Epoxy Resin (EP)	—
Ethylene Vinyl Acetate (EVA)	—
EVOH Resin	Ethylene vinyl alcohol
FRP	Unsaturated polyester + glass fibre
Melamine Resin (MF)	Melamine formaldehyde resin
Polyamide (PA)	—
Polycarbonate (PC)	—
Polyethylene (PE)	—
PEEK Resin	Polyether ether ketone
High Density Polyethylene (HDPE)	—
Chlorinated Polyethylene (CPE)	—
PBT Resin	Polybutylene terephthalate
PET Resin	Polyethylene terephthalate
Phenol resin (PF)	Phenol formaldehyde resin
Methacrylic Resin (PMMA)	Polymethyl methacrylate
Polyacetal (POM)	—
Polypropylene (PP)	—
PPO Resin	Polypropylene oxide
PPS Resin	Polyphenylene sulfide
PPE Resin	Polyphenylene ether
Polystyrene (PS)	—
High Impact Polystyrene (HIPS)	—
Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene
Polyvinyl Chloride (PVC)	Polyvinyl chloride
Polyimide (PI)	—
Polyamideimide (PAI)	—
Polyetherimide (PEI)	—
Silicone Resin (SI)	Silicone plastic
Urea Resin (UF)	Urea formaldehyde resin
Unsaturated polyester Resin (UP)	—
~Elastomer	Elastomer

Rubbers

Material
Natural Rubber (NR)
Styrene Butadiene Rubber (SBR)
Butadiene Rubber (BR)
Isoprene Rubber (IR)
Nitrile Rubber (NBR)
Chloroprene Rubber (CR)
Ethylene Propylene Rubber (EPDM)
Isobutylene Isoprene Rubber (IIR)
Urethane Rubber (UR)
Polyurethane Rubber (PUR)
Silicone Rubber (Q)
Fluoro Rubber (FKM)
Synthetic Rubber

DOOR WEIGHT TABLE

Door Weight Calculator

The below density is only for reference and it may differ depending on their material and specification.
For door sizes not listed in the table below, please use the Door Weight Calculator.

Calculation: Door Weight (kg) = Density (Specific Gravity) × Door Height (mm) × Door Width (mm) × Door Thickness (mm) ÷ 1,000,000

Wooden Door Weight (kg)

Door Type	MDF (Density 0.8)					Particle Board (Density 0.6)					Plywood (Density 0.6)					Flush (Density 0.5)				
Door Thickness mm / Door Size mm	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35
300× 400	1.5	1.8	2.1	2.4	3.4	1.2	1.4	1.6	1.8	2.5	1.2	1.4	1.6	1.8	2.5	1.0	1.1	1.3	1.5	2.1
300× 500	1.9	2.3	2.6	3.0	4.2	1.4	1.7	2.0	2.3	3.2	1.4	1.7	2.0	2.3	3.2	1.2	1.4	1.7	1.9	2.6
300× 600	2.3	2.7	3.2	3.6	5.0	1.7	2.1	2.4	2.7	3.8	1.7	2.1	2.4	2.7	3.8	1.4	1.7	2.0	2.3	3.2
300× 700	2.7	3.2	3.7	4.2	5.9	2.0	2.4	2.8	3.2	4.4	2.0	2.4	2.8	3.2	4.4	1.7	2.0	2.3	2.6	3.7
300× 800	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
300× 900	3.5	4.1	4.8	5.4	7.6	2.6	3.1	3.6	4.1	5.7	2.6	3.1	3.6	4.1	5.7	2.2	2.6	3.0	3.4	4.7
300×1000	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
400× 500	2.6	3.0	3.5	4.0	5.6	1.9	2.3	2.6	3.0	4.2	1.9	2.3	2.6	3.0	4.2	1.6	1.9	2.2	2.5	3.5
400× 600	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
400× 700	3.6	4.3	4.9	5.6	7.8	2.7	3.2	3.7	4.2	5.9	2.7	3.2	3.7	4.2	5.9	2.2	2.7	3.1	3.5	4.9
400× 800	4.1	4.9	5.6	6.4	9.0	3.1	3.6	4.2	4.8	6.7	3.1	3.6	4.2	4.8	6.7	2.6	3.0	3.5	4.0	5.6
400× 900	4.6	5.5	6.3	7.2	10.1	3.5	4.1	4.8	5.4	7.6	3.5	4.1	4.8	5.4	7.6	2.9	3.4	4.0	4.5	6.3
400×1000	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
400×1100	5.6	6.7	7.7	8.8	12.3	4.2	5.0	5.8	6.6	9.2	4.2	5.0	5.8	6.6	9.2	3.5	4.2	4.8	5.5	7.7
400×1200	6.1	7.3	8.4	9.6	13.4	4.6	5.5	6.3	7.2	10.1	4.6	5.5	6.3	7.2	10.1	3.8	4.6	5.3	6.0	8.4
500× 600	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
500× 700	4.5	5.3	6.2	7.0	9.8	3.4	4.0	4.6	5.3	7.4	3.4	4.0	4.6	5.3	7.4	2.8	3.3	3.9	4.4	6.1
500× 800	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
500× 900	5.8	6.8	7.9	9.0	12.6	4.3	5.1	5.9	6.8	9.5	4.3	5.1	5.9	6.8	9.5	3.6	4.3	5.0	5.6	7.9
500×1000	6.4	7.6	8.8	10.0	14.0	4.8	5.7	6.6	7.5	10.5	4.8	5.7	6.6	7.5	10.5	4.0	4.8	5.5	6.3	8.8
500×1100	7.0	8.4	9.7	11.0	15.4	5.3	6.3	7.3	8.3	11.6	5.3	6.3	7.3	8.3	11.6	4.4	5.2	6.1	6.9	9.6
500×1200	7.7	9.1	10.6	12.0	16.8	5.8	6.8	7.9	9.0	12.6	5.8	6.8	7.9	9.0	12.6	4.8	5.7	6.6	7.5	10.5
500×1300	8.3	9.9	11.4	13.0	18.2	6.2	7.4	8.6	9.8	13.7	6.2	7.4	8.6	9.8	13.7	5.2	6.2	7.2	8.1	11.4
500×1400	9.0	10.6	12.3	14.0	19.6	6.7	8.0	9.2	10.5	14.7	6.7	8.0	9.2	10.5	14.7	5.6	6.7	7.7	8.8	12.3
500×1500	9.6	11.4	13.2	15.0	21.0	7.2	8.6	9.9	11.3	15.8	6.0	7.1	8.3	9.4	13.1	7.2	8.6	9.9	11.3	15.8
500×1600	10.2	12.2	14.1	16.0	22.4	7.7	9.1	10.6	12.0	16.8	7.7	9.1	10.6	12.0	16.8	6.4	7.6	8.8	10.0	14.0
500×1700	10.9	12.9	15.0	17.0	23.8	8.2	9.7	11.2	12.8	17.9	8.2	9.7	11.2	12.8	17.9	6.8	8.1	9.4	10.6	14.9
500×1800	11.5	13.7	15.8	18.0	25.2	8.6	10.3	11.9	13.5	18.9	8.6	10.3	11.9	13.5	18.9	7.2	8.6	9.9	11.3	15.8

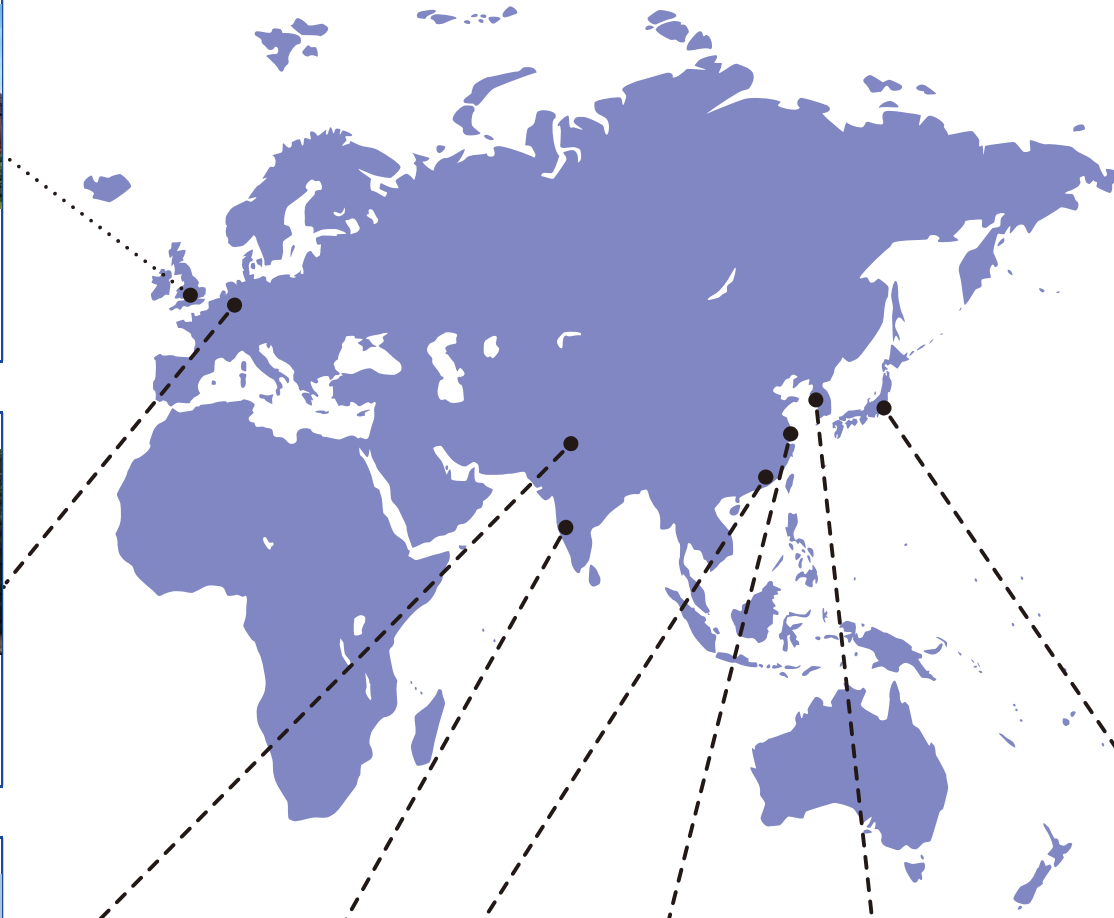
Glass Door Weight (kg)

Glass Door Thickness mm	4 (Density 2.5)							5 (Density 2.5)							6 (Density 2.5)						
Door Width mm / Door Height mm	300	400	500	600	700	800	900	300	400	500	600	700	800	900	300	400	500	600	700	800	900
300	0.9	1.2	1.5	1.8	2.1	2.4	2.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	1.4	1.8	2.3	2.7	3.2	3.6	4.1
350	1.1	1.4	1.8	2.1	2.5	2.8	3.2	1.3	1.8	2.2	2.6	3.1	3.5	3.9	1.6	2.1	2.6	3.2	3.7	4.2	4.7
400	1.2	1.6	2.0	2.4	2.8	3.2	3.6	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4
450	1.4	1.8	2.3	2.7	3.2	3.6	4.1	1.7	2.3	2.8	3.4	3.9	4.5	5.1	2.0	2.7	3.4	4.1	4.7	5.4	6.1
500	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.9	2.5	3.1	3.8	4.4	5.0	5.6	2.3	3.0	3.8	4.5	5.3	6.0	6.8
550	1.7	2.2	2.8	3.3	3.9	4.4	5.0	2.1	2.8	3.4	4.1	4.8	5.5	6.2	2.5	3.3	4.1	5.0	5.8	6.6	7.4
600	1.8	2.4	3.0	3.6	4.2	4.8	5.4	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
650	2.0	2.6	3.3	3.9	4.6	5.2	5.9	2.4	3.3	4.1	4.9	5.7	6.5	7.3	2.9	3.9	4.9	5.9	6.8	7.8	8.8
700	2.1	2.8	3.5	4.2	4.9	5.6	6.3	2.6	3.5	4.4	5.3	6.1	7.0	7.9	3.2	4.2	5.3	6.3	7.4	8.4	9.5
750	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.8	3.8	4.7	5.6	6.6	7.5	8.4	3.4	4.5	5.6	6.8	7.9	9.0	10.1
800	2.4	3.2	4.0	4.8	5.6	6.4	7.2	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.6	4.8	6.0	7.2	8.4	9.6	10.8
850	2.6	3.4	4.3	5.1	6.0	6.8	7.7	3.2	4.3	5.3	6.4	7.4	8.5	9.6	3.8	5.1	6.4	7.7	8.9	10.2	11.5
900	2.7	3.6	4.5	5.4	6.3	7.2	8.1	3.4	4.5	5.6	6.8	7.9	9.0	10.1	4.1	5.4	6.8	8.1	9.5	10.8	12.2
950	2.9	3.8	4.8	5.7	6.7	7.6	8.6	3.6	4.8	5.9	7.1	8.3	9.5	10.7	4.3	5.7	7.1	8.6	10.0	11.4	12.8
1000	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.8	5.0	6.3	7.5	8.8	10.0	11.3	4.5	6.0	7.5	9.0	10.5	12.0	13.5
1050	3.2	4.2	5.3	6.3	7.4	8.4	9.5	3.9	5.3	6.6	7.9	9.2	10.5	11.8	4.7	6.3	7.9	9.5	11.0	12.6	14.2
1100	3.3	4.4	5.5	6.6	7.7	8.8	9.9	4.1	5.5	6.9	8.3	9.6	11.0	12.4	5.0	6.6	8.3	9.9	11.6	13.2	14.9
1150	3.5	4.6	5.8	6.9	8.1	9.2	10.4	4.3	5.8	7.2	8.6	10.1	11.5	12.9	5.2	6.9	8.6	10.4	12.1	13.8	15.5

About Us

September 2024

Global Network



Reading, UK



SUGATSUNE KOGYO(UK)LIMITED
Office / Showroom
Unit 635 Wharfedale Road Winnersh Triangle
Wokingham RG41 5TP UK
Tel : +44-1189-272-955
Fax : +44-1189-272-871

Dusseldorf, Germany



SUGATSUNE EUROPE GmbH
Office / Showroom
Heerdter Lohweg 87-89
D-40549 Düsseldorf Germany
Tel : +49-211-53812-900
Fax : +49-211-53812-901

Delhi, India



SUGATSUNE KOGYO INDIA PRIVATE LIMITED
Delhi Office / Display Studio
Sugatsune Delhi Display Studio(India)
FIEE Complex,A-36 First Floor,Okhla Phase II ,New Delhi,Delhi 110020,INDIA
Tel : +91-9867299597,
+91-11-45093636
E-mail : sales@sugatsune.in

Mumbai, India



SUGATSUNE KOGYO INDIA PRIVATE LIMITED
Mumbai Office / Showroom
No.G-002 & B-02, Ground Floor,
KANAKIA ATRIUM-2 Next to Courtyard Marriott Hotel, Andheri Kurla Road,
Andheri East, Mumbai-400093,
Maharashtra, INDIA
Tel : +91-9867299597
E-mail : sales@sugatsune.in

Shanghai, China



SUGATSUNE SHANGHAI CO.,LTD.
Shanghai Office / Showroom
Building No.3, No. 100 Hu lan
West Road, Baoshan District, Shanghai
200443, China
Tel : +86-21-3632-1858
Fax : +86-21-3632-1868

Guangzhou, China



SUGATSUNE SHANGHAI CO.,LTD.
Guangzhou Office
15th Floor, KeyThink Center,
No. 278 Xingtai Road.
Panyu District, Guangzhou
511400, China
Tel : +86-20-6639-3554
Fax : +86-20-6230-9772

Incheon, Korea



SUGATSUNE KOREA CO., LTD.
Incheon Office
407 Tower2, 495 Parang-ro, Seo-gu,
Incheon, KOREA 22770
Tel : +82-32-220-0603
Fax : +82-32-220-0605



Los Angeles, USA



SUGATSUNE AMERICA,INC.
Main Office
18101 Savarona Way,Carson,
CA 90746 U.S.A.
Tel : +1-310-329-6373
Fax : +1-310-329-0819

Montreal, Canada



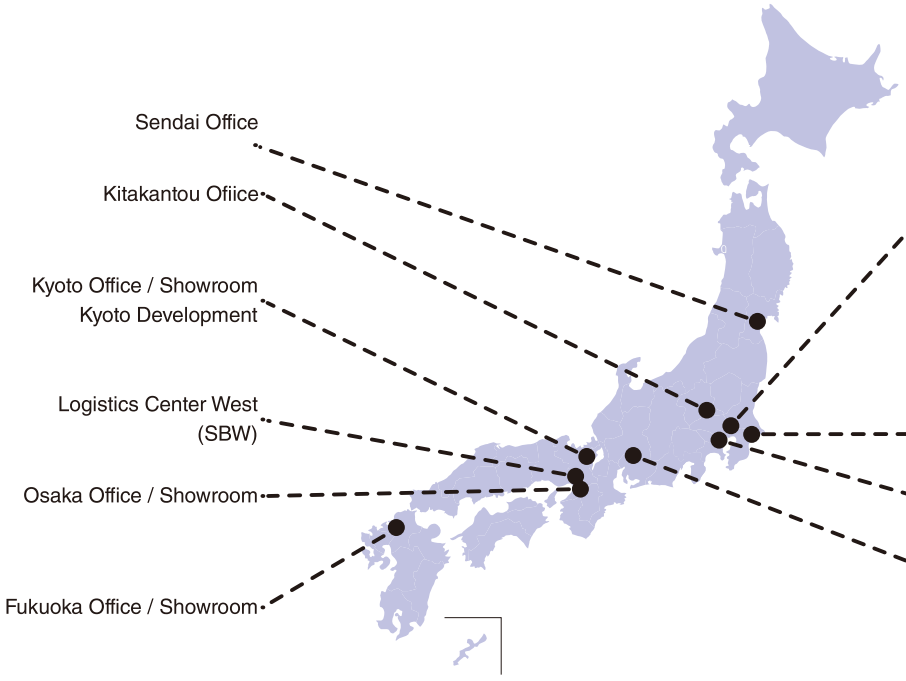
SUGATSUNE CANADA,INC.
3775 Boulevard du
Tricentenaire Montreal,
Quebec H1B-5W3 Canada
Tel : +1-514-312-5267
Fax : +1-514-399-0538

Chicago, USA



SUGATSUNE AMERICA,INC.Midwest Distribution Center
1790 W Cortland Court, Addison,
IL 60101 U.S.A.
Tel : +1-630-317-7072
Fax : +1-630-519-4107

Japan



Sendai Office
Kitakantou Ofiice
Kyoto Office / Showroom
Kyoto Development
Logistics Center West
(SBW)
Osaka Office / Showroom
Fukuoka Office / Showroom

Tokyo Head Office / Showroom
Tokyo Development

Export Department
1-8-11 Higashikanda, Chiyoda-ku
Tokyo 101-8633,Japan
Tel : +81-3-3866-2260
Fax : +81-3-3866-4447
E-mail : export@sugatsune.co.jp

Chiba Factory,
Chiba Development
Logistics Center(SBC)
Kanagawa Office
Nagoya Office / Showroom

Sugatsune's History



The first home shop after the war (1946)

1930	“Sugatsune Shoten” is founded by Tsunesaburo Sugasawara.Sells European style furniture hardware.
1943	The company changes its name to “Sugatsune Kogyo Co., Ltd.”, manufacturing metal accessories for communication until the end of the war.
1949	The company starts manufacture furniture hardware and architectural hardware.
1968	Capital is increased to 50 million yen. Shin-ohashi Sales Office is moved to the site of Tokyo Factory (Adachi-ku, Tokyo), and Adachi Sales Office is set up.
1969	Chiba Factory is constructed on the Trading Estate at Matsuo-cho in Chiba. This marked the beginning of mass production.
1975	Osaka Sales Office (current Osaka Branch) is opened.
1982	A logistics centre (S.B.C) with a floor area of 4,026m^2 is completed at the site of Chiba Factory. Sugatsune America Inc. is established in the United States.
1987	Sugatsune Kogyo comes up with an original damper technology “Lapcon”.
1992	Sugatsune Kogyo’s President Sugasawara is presented with a Medal with a Blue Ribbon by the government of Japan. A new logistics centre (S.B.C) with modern facilities is completed. (Floor area of 8,884m^2)
1998	Sugatsune Kogyo’s President Sugasawara receives Gold and Silver Rays, an Order of the Sacred Treasure. A technical centre is built at the site of Chiba Factory. Nagoya Sales Office is opened. The company registers for ISO 9001 certification.
2004	Sendai and Fukuoka sales offices are opened. An office and showroom are established in Shanghai, China.
2005	The largest showroom in the industry in Japan is opened at Iwamoto-cho, Chiyoda-ku, Tokyo. A large exhibition is held to commemorate the opening of the new showrooms in Tokyo and Osaka, and a new product presentation is held in Fukuoka and Sendai. Sugatsune UK is established in Great Britain. Shanghai Office is changed to Sugatsune Shanghai.
2006	A showroom is opened in Nagoya, and an exhibition is held to commemorate the opening of the new showroom. New head office building No.4 and No.5 are completed.
2007	A new building at logistics centre (S.B.C) is completed. (Floor area of 7,413m^2) Nagoya Sales Office is moved from Naka-ku to Kita-ku.
2009	The product concept “Motion Design Tech” is presented for giving further motion functions to the “opening and closing of doors or lids”.
2011	Kanagawa Sales Office is opened. Fukuoka Sales Office is moved and a showroom is opened. A showroom and sales office are opened in Chicago by Sugatsune America.
2012	Kyoto Sales Office is opened.
2013	Kyoto showroom is opened.
2015	Sugatsune Kogyo India Private Limited is established in India. A showroom is opened in Mumbai, India. A new logistics centre (SBW) is established in Osaka.
2016	Sugatsune Europe GmbH is established in Germany. Sugatsune Canada, Inc is established in Canada.
2017	The Monoflat LIN-X1000 wins a Reddot award.
2018	Sugatsune UK changes locations. Private exhibitions displaying new products are held in Tokyo, Osaka and Nagoya. In total, exhibitions are held in 13 cities across Japan. Sugatsune EU opens a showroom in Düsseldorf.
2019	Sales office opens in Northern Kanto. The LDD-V100 door damper wins both the Red Dot design award and also the iF design award. The head office moves to a new location.
2020	Sugatsune Kogyo celebrated its 90th anniversary.
2022	Sugatsune Korea is established as a local subsidiary in South Korea.

Company Profile

Company Name	Sugatsune Kogyo Co., Ltd.
President	Jun Sugasawara
Headquarters	Tokyo, Japan
Founded	February 11, 1930
Established	November 20, 1943
Capital	¥400,000,000
Number of Employees	497 (January, 2024)
Business Segment	Furniture fittings, Architectural hardware, Decorative hardware, Various import hardware, Industrial components hardware, IT industrial components, Custom-made items, Lighting part metal, Furniture metal, Fixtures furniture

Business Partner Countries & Regions

Sweden/Netherlands/Belgium/Spain/Portugal/France/Maltese/Monaco/Denmark/Sweden/Finland/Norway/Cyprus/Greece/Brazil/Argentina/Brazil/Argentina/Chile/Britain/Ireland/Germany/Italy/Austria/Oman/Bahrain/Jordan/Iran/Egypt/Qatar/India/Pakistan/SriLanka/Bangladesh/South Africa/Russia/Poland/Romania/Bulgaria/Estonia/Lithuania/Turkey/Israel/Lebanon/SaudiArabia/Kuwait/Australia/NewZealand/Indonesia/Singapore/Malaysia/Thailand/Myanmar/Vietnam/Philippines/Mongolia/China/HongKong/Taiwan/Korea

Registration

ISO 9001 : JSAQ384

ISO 14001 : JSAE597

(ISO 9001 : Sugatsune's bases in Japan,
ISO 14001 : Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division)

General Construction Business Licence No. :
Tokyo Metropolitan Governor Licence (General –25) No.140997

The Origin of LAMP Brand

The initial trademark for LAMP goods was derived by the company's founder, Tsunezaburo Sugasawara, from the Japanese symbol for "ordinary" (常). By separating this character into its component pieces, he took this to symbolize "the use of fire," which he chose to designate as a metaphor for wisdom and courage. He visualized this concept as a lamp. He thought that Sugatsune goods may, even if only a little, "brighten" society. Sugatsune's reliable quality is still represented by the logo to this day.

HAND_LAMP Mark
Founding time ~ Around 1990

LAMP Mark
Around 1990 ~ Now

Commitment to Quality and the Environment

All departments from planning, manufacturing to sales have a high awareness of quality, and through unremitting efforts, all the domestic bases in Japan have achieved ISO 9001 certification (registration No.: JSAQ384). We also actively engaged in environmental conservation activities, and achieved ISO 14001 certification (registration No.: JSAE597) at our development bases, namely Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division.

Quality Management System ISO 9001 certification (certification/registration) approved

Quality Policy: I consider the fundamentals and pursue the essential and ideal.

Sugatsune America, Sugatsune Europe, and Sugatsune Shanghai are also ISO 9001 certified.

Environmental Management System ISO 14001 certification (certification/registration) approved

Connect with Us on Social Media

Watch our product videos, including instructional guides on our YouTube channel.

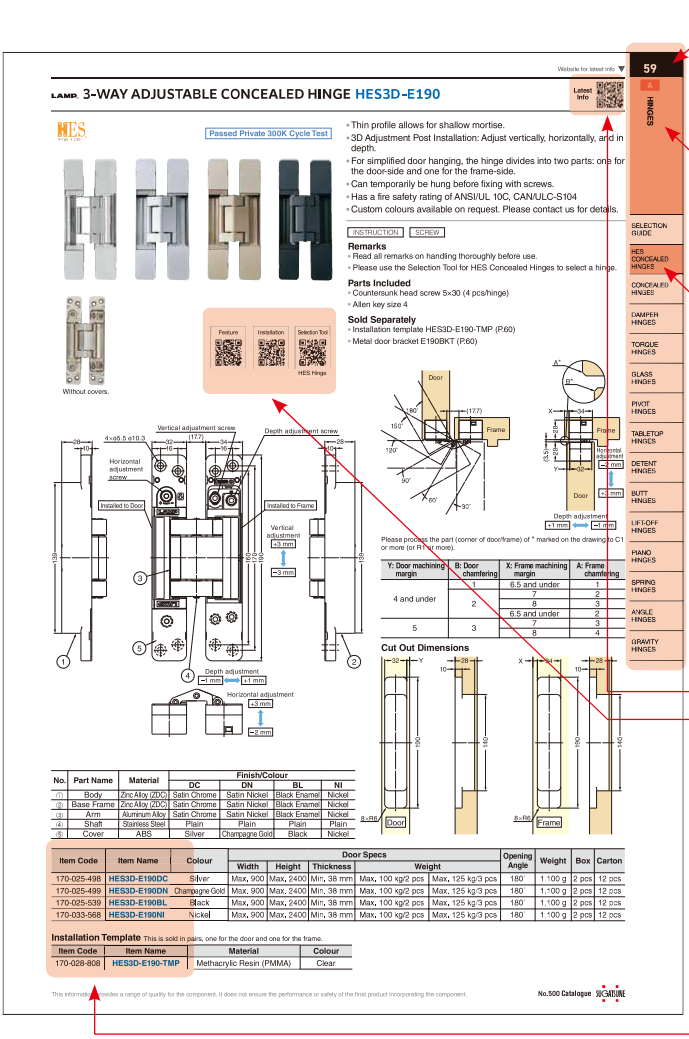
Sugatsune Global

Explore our product applications and stay updated on Instagram and Facebook.

Sugatsune Global

Sugatsune Global

Description of Main Text

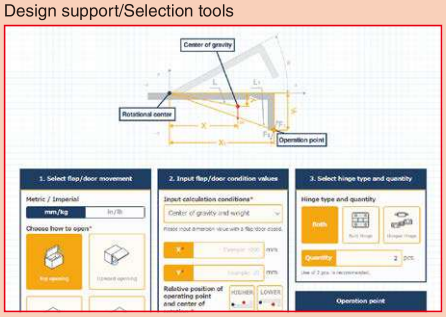


Viewable from the QR code.

Access website, videos and selection tools



Design support/Selection tools



With the selection tool Sasuga-kun, you can select the “Motion Design Tech” products meeting your requirements simply by entering values such as the size and weight of the lid or door. You can use it on our website.

Item Code	Item Name	Col
170-025-498	HES3D-E190DC	Silv
170-025-499	HES3D-E190DN	Champag
170-025-539	HES3D-E190BL	Bla
170-033-568	HES3D-E190NI	Nic

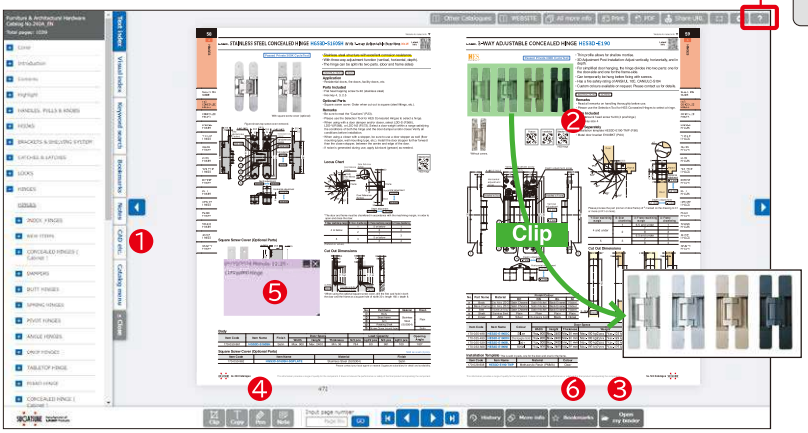
• Please specify the Item Name. and quantity when ordering.

Online Catalogue Functions

❶ CAD etc.
Access product information easily.

❷ Clip
Download images within the dragged area.

❸ MyBinder
Register favourites to MyBinder to download multiple catalogues together as a single PDF.



*Screens may be changed.

See Help for other functions and operation methods.

❹ Pen
Draw arrows, add frames, or take notes on the catalogue as desired.

❺ Note
Enter notes. Display only pages with sticky notes affixed.

❻ Bookmarks
Register favourite pages for easier reference later.

How to Use This Catalogue

- All items, unless specified, are made to exact metric dimension.
- Changes in dimensions, finishes, packing, etc., and suspension of production may occur without notice.
- Our liability is limited to the replacement of the merchandise.

Defective Products

- While great care is taken in the manufacturing of our products, should a defect arise, contact the dealer. The warranty period is one year from the date of our invoice. Should a defect arise during the warranty period, we will replace the product in question with a functioning product within the range of our responsibility.

Returns/Replacements/Post-Order Changes

- Returns and replacements will be handled upon confirming the actual product after customer consultation with a Sugatsune sales representative. Requests for returns or replacements must be made within 30 days of the date of our invoice.
  Please note that customers will be asked to cover handling charges for returns or replacements made at customer convenience.
- Please note that we may not be able to accommodate changes made after placing orders.

Precautions for Mounting

- Improper installation may not only cause the product to malfunction but could also result in damage. Handle with care.
  For some products, installation manuals are included or available online. Read the manual thoroughly to ensure correct installation.
- Pay attention to any loosened mounting screws or fastening parts. Screws or fastening parts may loosen due to the mounting conditions or the usage environment. Such loosening may result in decreased functionality or damage to the mounted product, as well as potential injuries. To ensure safe usage, retighten periodically, even if thread-locker is applied to the screws. Generally, retighten one month after initial use, again six months thereafter, and approximately every year subsequently. Note that these guidelines apply to specific conditions and do not guarantee product quality or safety. Their applicability to the product is to be judged by the customer.

Screws

- The included and recommended screws listed with the product conform to the former JIS standards.

CAD Data (3D & 2D)

- Register as a member on our website to download CAD data. Additionally, we will verify the registered data, as membership is intended for designers.

Product Information

- The information listed in this catalogue is current as of September 2024. Product prices, specifications, dimensions, colours, and other details may change without notice due to improvements or material price fluctuations; products may also be discontinued without notice. For the latest information, see our website.
- Due to the hard copy format, some specifications such as details of dimensions and shapes have been omitted.
  For more detailed information, please contact us.
- Many of the listed products include registered or pending designs, patents, and utility models.
- Due to the hard copy format, product colours may differ slightly from the actual products. Please refer to the actual product for accurate colour representation.
- The photographs and computer graphics in the catalogue are visualisations. Depending on the conditions, installation as shown may not be possible. Confirm before purchase.
- Data on specifications and performance, such as loads, weight, force, is listed for use as a guideline to product selection. The values shown are not guaranteed under all conditions.
- Product content listed in this catalogue indicates the quality range as parts. It does not guarantee the functionality, performance, or safety of the final product using these parts.
- Data when using our products with customer products may involve different figures depending on elements such as mounting accuracy, mounting method, temperature, humidity, dust, indoors/outdoors conditions, target product structure, material, size, installation conditions, and individual operation.
- For test content details, request a test report and confirm as needed.
- When using our products near the limits of the listed data, or when confirmation of safety or durability is required in order to prevent accidents, mount the actual product and confirm, or provide the most detailed possible explanation of the usage conditions to consult with us.
- With some exceptions, our products are furniture and architectural fittings for indoor use. Consult with a sales representative concerning use outdoors, near water, or in severe environments.
- Unauthorized reproduction of this catalogue is strictly prohibited.

Display Content

Material

For material notation, please see “Materials” on P.1367.

Finish (surface treatment)

Finish notations are displayed with the following abbreviations due to limitations of space.

Display	Finish
Bright Chromate	Zinc Plated Bright Chromate
Coloured Chromate	Zinc Plated Coloured Chromate

Coloured chromate is characterized by sharply varying hues; this is not a defect.

■Paint

Paint is displayed as follows. (e.g.) Powder Baked Enamel Paint/White

■Colour Display

There may be multiple display methods for a single colour.

(e.g.) White may be indicated as W, WT, or WH.
Black may be indicated as B or BL.
Silver may be indicated as S or SL.

Dimensional Units

The units for the listed dimensions are millimetres (mm) (unless otherwise stated).

Dimensional Error

The machining process inevitably results in a degree of product error. Be sure to confirm with the actual product before use.

Drawings

With some exceptions, drawings employ the third angle projection method. Due to limitations of space, some detailed dimensions, etc. may been omitted.

Weight

Notations indicate the weight for one product or one set only.

Load Capacity

The figures displayed for load capacity are examples of data we considered reliable and measured values in tests under conditions specified by us; they are not guaranteed values. As the values may vary depending on the usage method and application, be sure to make a selection upon confirmation of suitability for the application before use.

Units are shown in SI units based on the new measuring method, with MKS units also provided.

Quantity

Quantity, when notated, is shown as below.

1 box: Quantity in one small box displayed.
1 carton: Quantity in one cardboard box displayed.


SUGATSUNE



September 2024