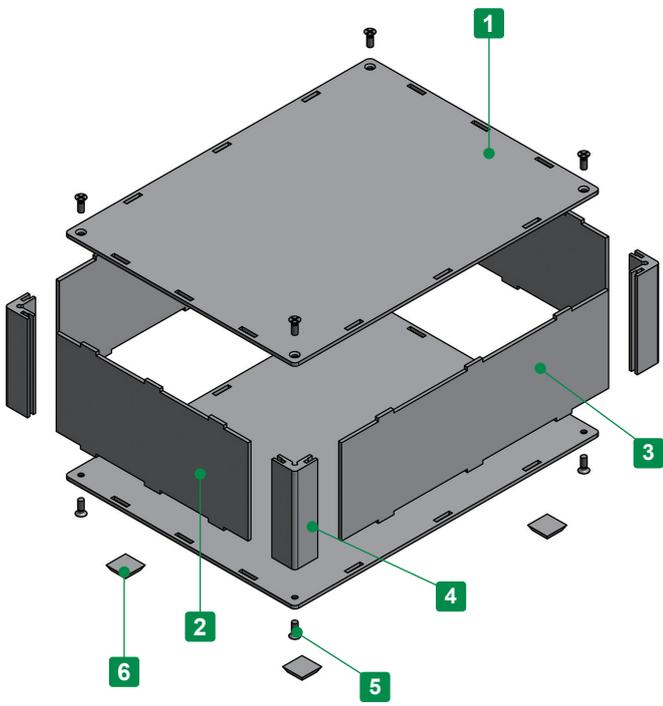
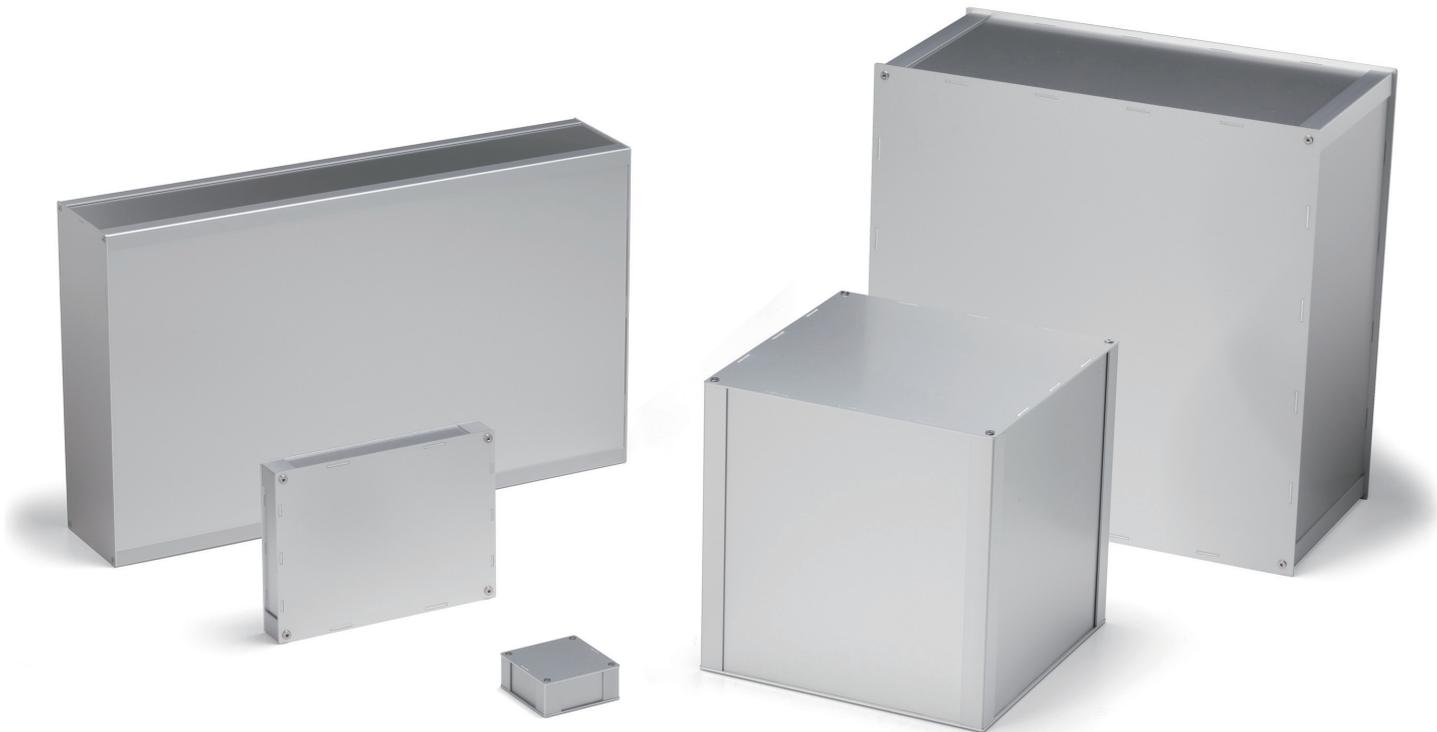


ALSF SERIES

CUSTOM SIZED ALUMINIUM FRAME BOX 



- Extruded aluminium corner pillars enables the structure to be rigid when screwed.
- Adjustable sizes available in 1mm intervals, with W and D dimensions from 50 ~ 500mm, and H dimension from 30 ~ 500mm.
- Rubber feet can be provided if required in S (Φ11.2mm) or L (Φ15.7mm) sizes.

■ **Caution**

- On larger sized cases, the top cover may come loose if the middle part is held without support.



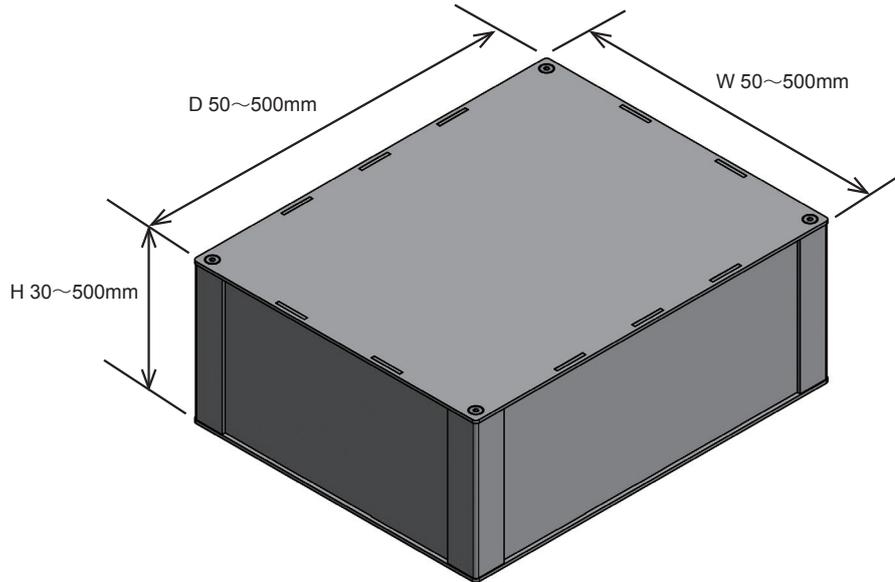
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top • Bottom cover	1 each	Aluminium A1100P	Silver anodized
2	W panel	2	Aluminium A1100P	Silver anodized
3	D panel	2	Aluminium A1100P	Silver anodized
4	Pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Screw (Hexagonal countersunk - M3 or M4)	8	Stainless steel	Unfinished
6	Rubber feet	0 or 5	Polyurethane	Black

■ Hexagonal wrench included.

1 Specify Dimensions

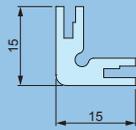
Specify dimensions in 1mm intervals.



■ Panel thickness, screw sizes, and pillar types vary by W / D dimensions.

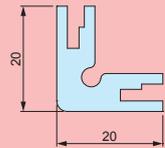
[K15] Type

Dimension : refer to chart
 Panel thickness : $t = 1.5\text{mm}$
 Screw size : M3
 Pillar : 15 x 15mm



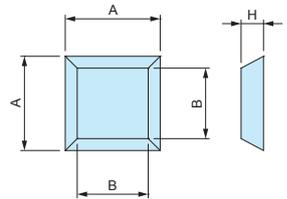
[K20] Type

Dimension : refer to chart
 Panel thickness : $t = 2.0\text{mm}$
 Screw size : M4
 Pillar : 20 x 20mm



2 Select Rubber feet

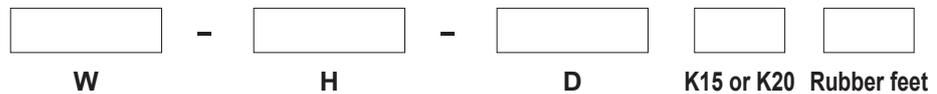
Code	A	B	H	Pack of
N (None)	—	—	—	—
S	12.7	9.5	3	5
L	20.6	12.7	7.6	5



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. ALSF



Example : W = 300 mm, H = 350 mm, D = 400 mm with L type rubber feet.

ALSF [300] - [350] - [400] [K20] [L]

Lead time

Custom Size Only

8 business days (1 ~ 3 pcs)

Custom Size + Hole Milling

9 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

ALSF Type Chart

Refer to the below chart for K15 or K20 type selection by W & D dimensions.

[K15] Type : t = 1.5mm • M3 screw • 15 x 15 pillar

[K20] Type : t = 2.0mm • M4 screw • 20 x 20 pillar

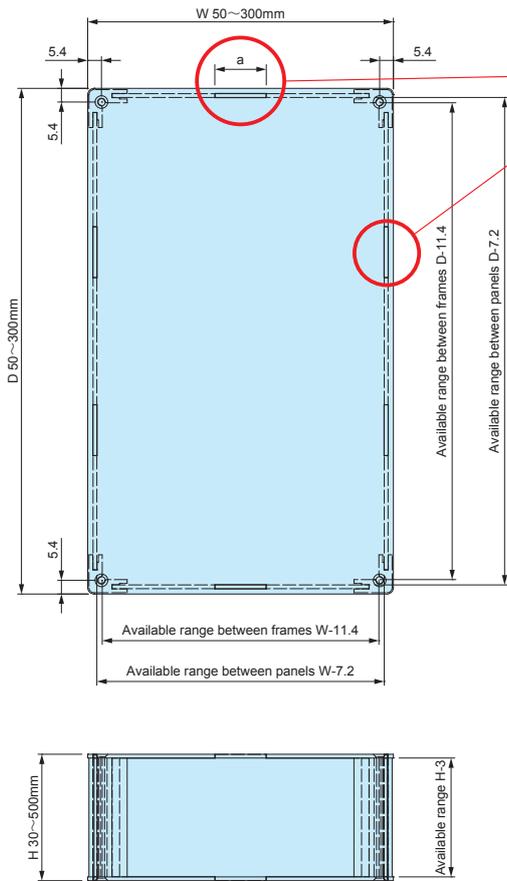
W	H	D	50~100	101~150	151~200	201~250	251~300	301~350	351~400	401~450	451~500
		30~100									
50~100	101~200										
	201~300										
	301~400										
	401~500										
101~150	30~100										
	101~200										
	201~300										
	301~400										
151~200	401~500										
	30~100										
	101~200										
	201~300										
201~250	301~400										
	401~500										
	30~100										
	101~200										
251~300	201~300										
	301~400										
	401~500										
	30~100										
301~350	101~200										
	201~300										
	301~400										
	401~500										
351~400	30~100										
	101~200										
	201~300										
	301~400										
401~450	401~500										
	30~100										
	101~200										
	201~300										
451~500	301~400										
	401~500										
	30~100										
	101~200										

[K15] type

[K20] type

ALSF dimensions

[K15] type : t = 1.5 mm • Screw size : M3 • Pillar : 15 x 15 mm

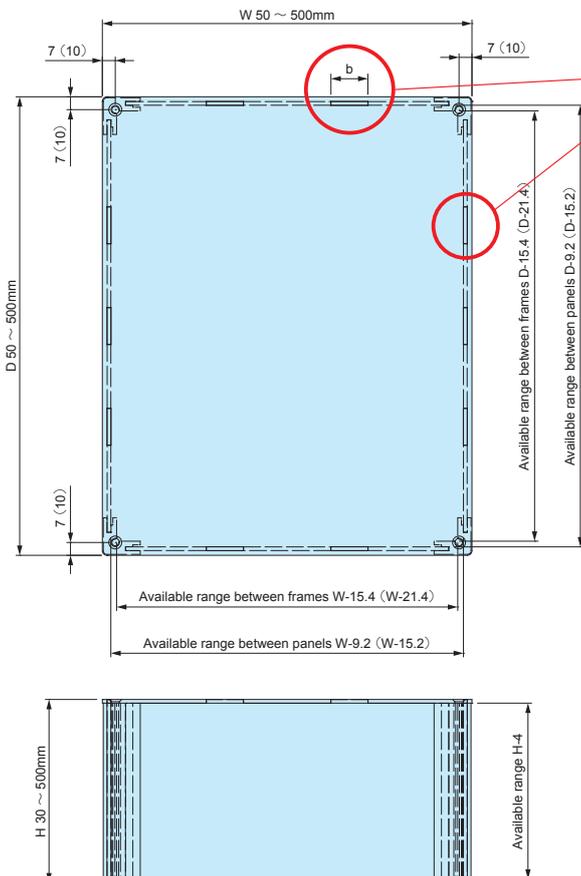


Number of joints vary by specified W / D dimensions.
Refer to the below chart for more information.

W dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3

D dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3

[K20] type : t = 2.0 mm • Screw size : M4 • Pillar : 20 x 20 mm

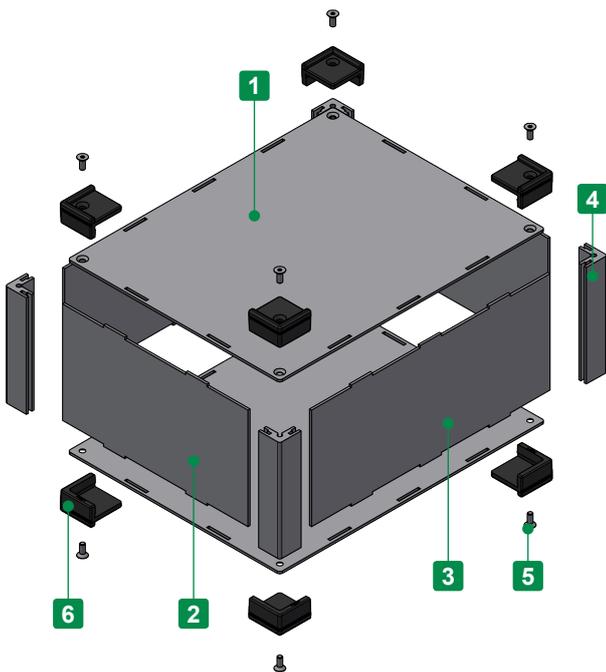


Number of joints vary by specified W / D dimensions.
Refer to the below chart for more information.

W dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3
301~400	20mm	4
401~500	20mm	5

D dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3
301~400	20mm	4
401~500	20mm	5

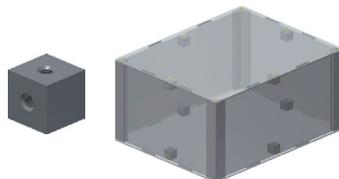
※ Available range values within () is applicable if D / W dimension is 301mm or larger.



- Adjustable sizes available in 1mm intervals, with W and D dimensions from 55 ~ 500mm, and H dimension from 30 ~ 500mm.
- Rugged design aluminium enclosure with TPE (Elastomer) corner guards. Corner guards also act as non-slip rubber feet.
- Extruded aluminium corner pillars enables the structure to be rigid when assembled.

■ **Caution**

- On larger sized boxes, the top cover may come loose if the middle part is held without support.



To prevent rattles and also to make more rigid construct, CUBE spacer is available as option. See page 120 for more details.

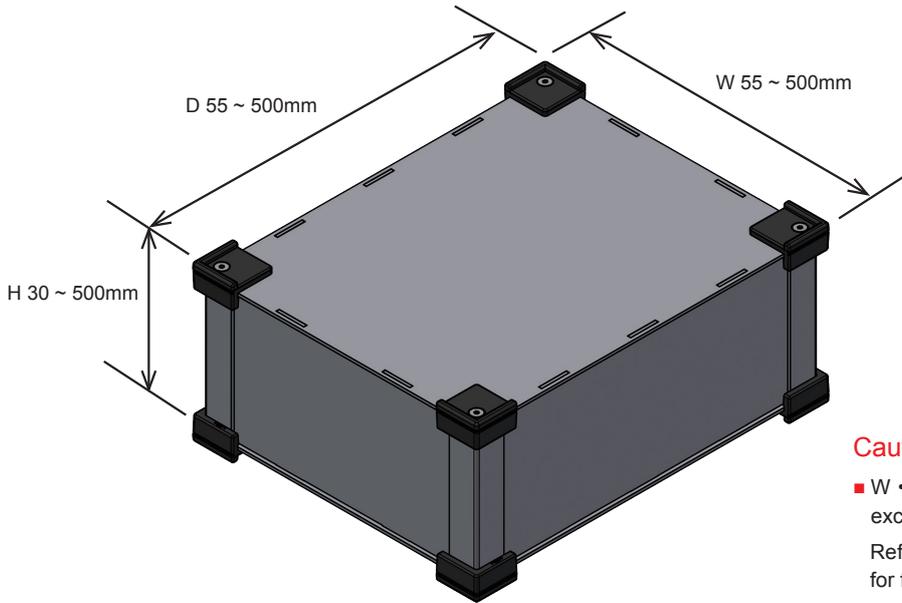
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top • Bottom cover	1 each	Aluminium A1100P	Silver anodized
2	W panel	2	Aluminium A1100P	Silver anodized
3	D panel	2	Aluminium A1100P	Silver anodized
4	Extruded pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Screw (Hexagonal flat head M3 or M4)	8	Stainless steel	Unfinished
6	Corner guard	8	TPE	Black • Gray

■ Hexagonal wrench included.

1 Dimensions

To select W • H • D dimensions in 1mm intervals.



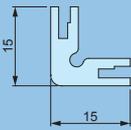
Caution

- W • H • D dimensions are the external dimensions excluding the corner guards.
- Refer to DXF/DWG/PDF drawings on our website for further details.

- Panel thickness, screw sizes, and pillar types vary by W / D dimensions.
- Refer to the chart on page ALGF-3 for K15 or K20 pillar type selection based on W & D dimensions.

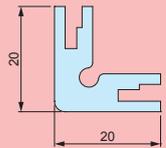
[K15] Pillar Type

Dimension : refer to chart
 Panel thickness : t = 1.5mm
 Screw size : M3
 Pillar : 15 x 15mm



[K20] Pillar Type

Dimension : refer to chart
 Panel thickness : t = 2.0mm
 Screw size : M4
 Pillar : 20 x 20mm



2 Color

To select color code from the table below.

Code	B Black	G Gray
Color		

Product Number

To determine a product number, fill W, H, D and select Pillar type and Color code in the following blank boxes.

Product no. ALGF - -

1 W
1 H
1 D
1 K15 or K20
2 Color Code

Numbering example: W:200 x H:100 x D:250, K15 pillar type and B color code

➔ **ALGF200-100-250K15B**

Lead Time

Custom Size Only 8 business days (1 ~ 3 pcs)
 Custom Size + Hole Milling 9 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

ALGF Type Chart

Refer to the below chart for K15 or K20 pillar type selection by W & D dimensions.

[K15] Pillar Type : t = 1.5mm • M3 screw • 15 x 15 pillar

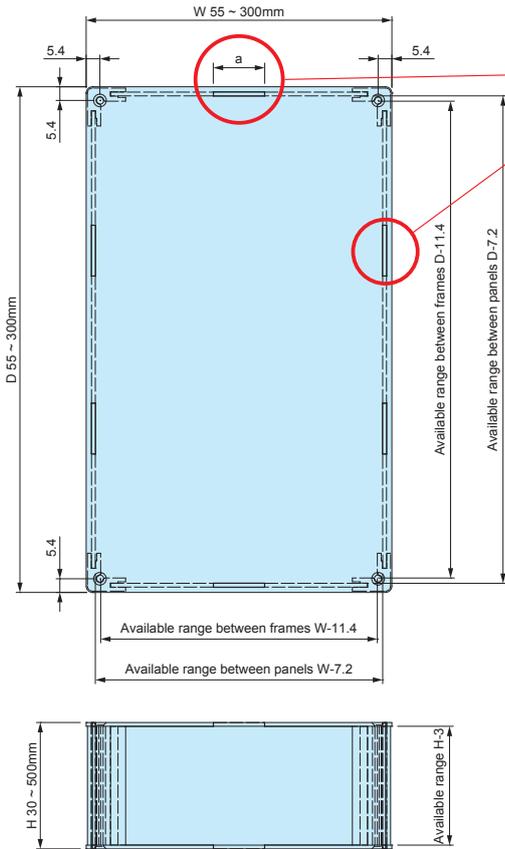
[K20] Pillar Type : t = 2.0mm • M4 screw • 20 x 20 pillar

W	H \ D	D									
		55 ~ 100	101 ~ 150	151 ~ 200	201 ~ 250	251 ~ 300	301 ~ 350	351 ~ 400	401 ~ 450	451 ~ 500	
55 ~ 100	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
101 ~ 150	30 ~ 100										
	101 ~ 200		[K15] Pillar Type								
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
151 ~ 200	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
201 ~ 250	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
251 ~ 300	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
301 ~ 350	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
351 ~ 400	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
401 ~ 450	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
451 ~ 500	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										

ALGF dimensions

■ DXF/DWG/PDF drawings available on our website.

[K15] Pillar Type : t = 1.5 mm • M3 screw • 15 x 15 mm pillar

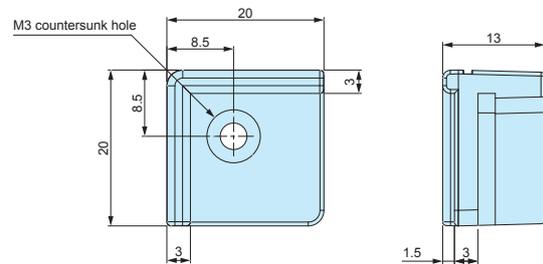


Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

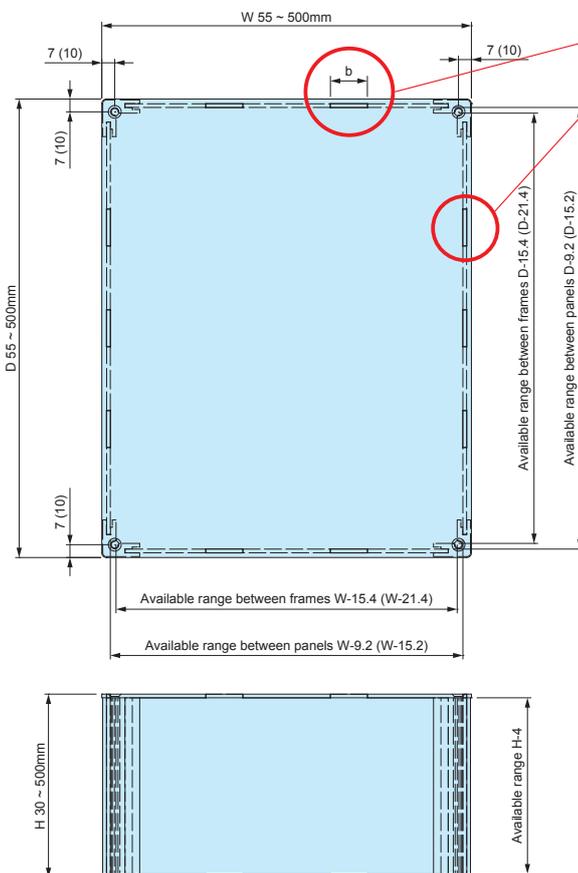
W dimension	Joint a dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3

D dimension	Joint a dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3

Corner guard dimensions



[K20] Pillar Type : t = 2.0 mm • M4 screw • 20 x 20 mm pillar

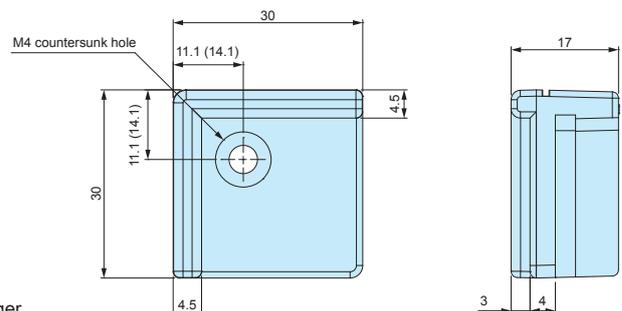


Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

W dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3
301 ~ 400	20mm	4
401 ~ 500	20mm	5

D dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3
301 ~ 400	20mm	4
401 ~ 500	20mm	5

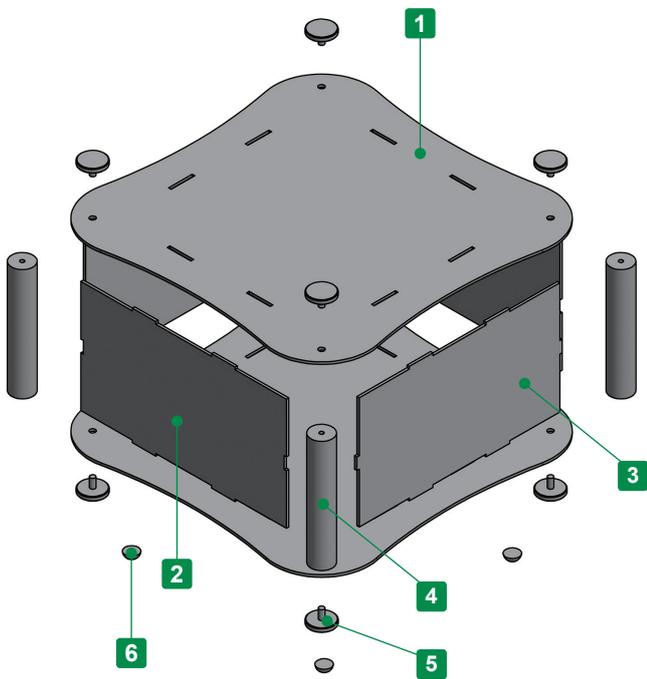
Corner guard dimensions



※Available range values within () is applicable if D / W dimension is 301mm or larger.

ALRF SERIES

CUSTOM SIZED ARC DESIGN ALUMINIUM CASE



- Adjustable sizes available in 1mm intervals, with W and D dimensions from 50 ~ 500mm, and H dimension from 30 ~ 500mm.
- Rubber feet can be provided if required in S (Φ11.2mm) or L (Φ15.7mm) sizes.
- Knurled thumb screws for easy hand assembly.

- **Caution**
- On larger sized cases, the top cover may come loose if the middle part is held without support.



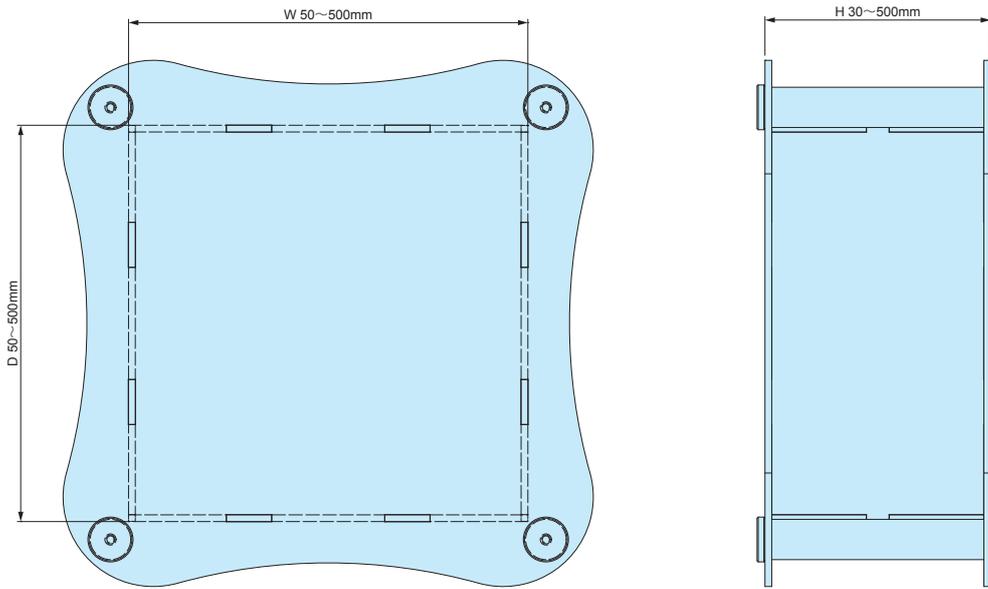
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top • Bottom cover	1 each	Aluminium A1100P	Silver anodized
2	W panel	2	Aluminium A1100P	Silver anodized
3	D panel	2	Aluminium A1100P	Silver anodized
4	Pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Knurled thumb screw	8	Brass	Nickel plated
6	Rubber feet	0 or 5	Polyurethane	Transparent

1 Specify Dimensions

Specify dimensions in 1mm intervals.

- ※ Specify rectangular case dimensions, not external dimensions.
Include panel thickness in H dimension.



■ Panel thickness, knurled thumb screw sizes, and pillar types vary by W / D dimensions.

[S10] Type

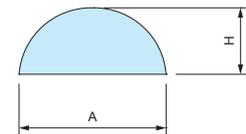
Dimension : refer to chart
 Panel thickness : t = 1.5mm
 Knurled thumb screw size : M3
 Pillar : $\Phi 10.0$ (external diameter)

[S18] タイプ

Dimension : refer to chart
 Panel thickness : t = 2.0mm
 Knurled thumb screw size : M4
 Pillar : $\Phi 18.0$ (external diameter)

2 Select Rubber feet

Code	A	H	Pack of
N (None)	—	—	—
S	11.2	5.1	5
L	15.7	7.9	5



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. ALRF

- -
W **H** **D** **S10 or S18** **Rubber feet**

Example : W = 100 mm, H = 50 mm, D = 120 mm, without rubber feet.

ALRF - -

Lead time

Custom Size Only

8 business days (1 ~ 3 pcs)

Custom Size + Hole Milling

9 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

ALRF Type Chart

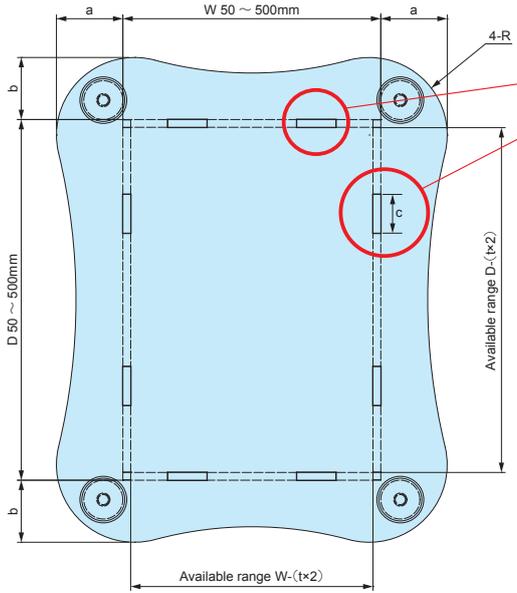
Refer to the below chart for S10 or S18 type selection by W & D dimensions.

[S10] type : t = 1.5mm • M3 screw • Φ10.0 pillar

[S18] type : t = 2.0mm • M4 screw • Φ18.0 pillar

W	H	D									
		50~100	101~150	151~200	201~250	251~300	301~350	351~400	401~450	451~500	
50~100	30~100	[S10] type									
	101~200										
	201~300										
	301~400										
	401~500										
101~150	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
151~200	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
201~250	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
251~300	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
301~350	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
351~400	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
401~450	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
451~500	30~100										
	101~200										
	201~300										
	301~400										
	401~500										

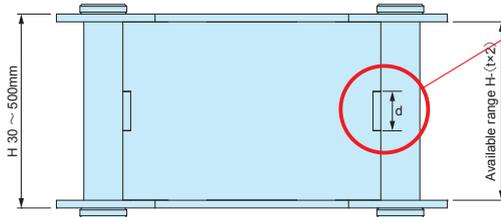
ALRF dimensions



Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

W dimension	Joints (one side)	D dimension	Joints (one side)
50~150	1	50~150	1
151~200	2	151~200	2
201~300	3	201~300	3
301~400	4	301~400	4
401~500	5	401~500	5

Connecting section c dimension = 20.0mm



Number of joints vary by specified H dimension. Refer to the below chart for more information.

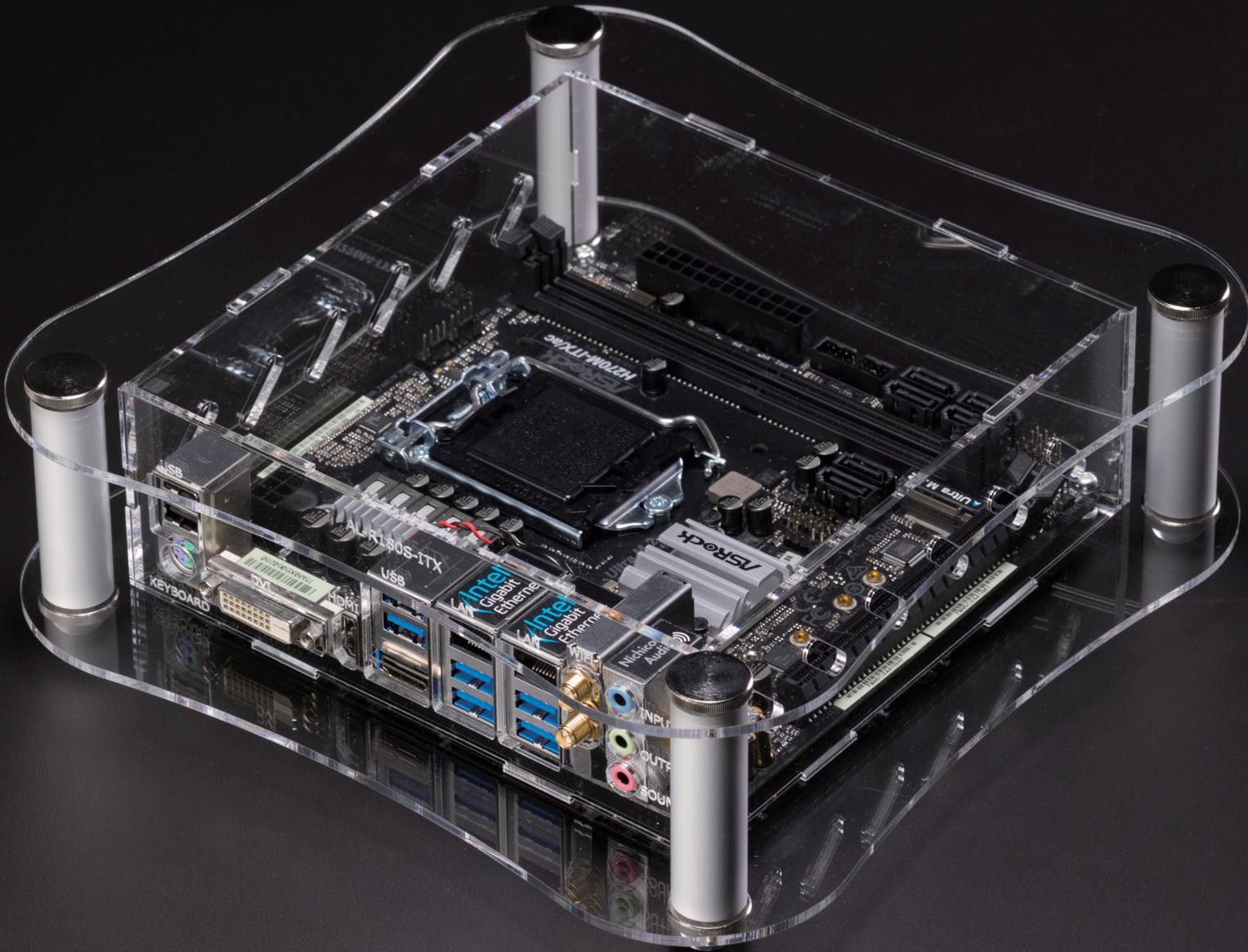
H dimension	Joint d dimension	Joints (one side)
30~100	10mm	1
101~200	20mm	1
201~300	20mm	2
301~400	20mm	3
401~500	20mm	4

D dimension \ W dimension	50~100			101~150			151~200			201~250			251~300		
	a	b	R	a	b	R	a	b	R	a	b	R	a	b	R
50~100	17	17	15	17	17	15	29	28	15	29	28	15	30	28	15
101~150	17	17	15	18	18	25	29	29	25	30	29	25	30	29	25
151~200	28	29	15	29	29	25	31	31	40	31	31	40	32	31	40
201~250	28	29	15	29	30	25	31	31	40	33	33	50	33	33	50
251~300	28	30	15	29	30	25	31	32	40	33	33	50	35	35	60
301~350	35	37	15	36	38	25	38	39	40	40	41	50	42	42	60
351~400	35	38	15	36	38	25	38	40	40	40	41	50	42	43	60
401~450	35	38	15	36	39	25	38	40	40	40	42	50	42	43	60
451~500	35	39	15	36	39	25	38	41	40	40	42	50	42	44	60

D dimension \ W dimension	301~350			351~400			401~450			451~500		
	a	b	R	a	b	R	a	b	R	a	b	R
50~100	37	35	15	38	35	15	38	35	15	39	35	15
101~150	38	36	25	38	36	25	39	36	25	39	36	25
151~200	39	38	40	40	38	40	40	38	40	41	38	40
201~250	41	40	50	41	40	50	42	40	50	42	40	50
251~300	42	42	60	43	42	60	43	42	60	44	42	60
301~350	44	44	70	44	44	70	45	44	70	45	44	70
351~400	44	44	70	46	46	80	46	46	80	47	46	80
401~450	44	45	70	46	46	80	48	48	90	48	48	90
451~500	44	45	70	46	47	80	48	48	90	50	50	100

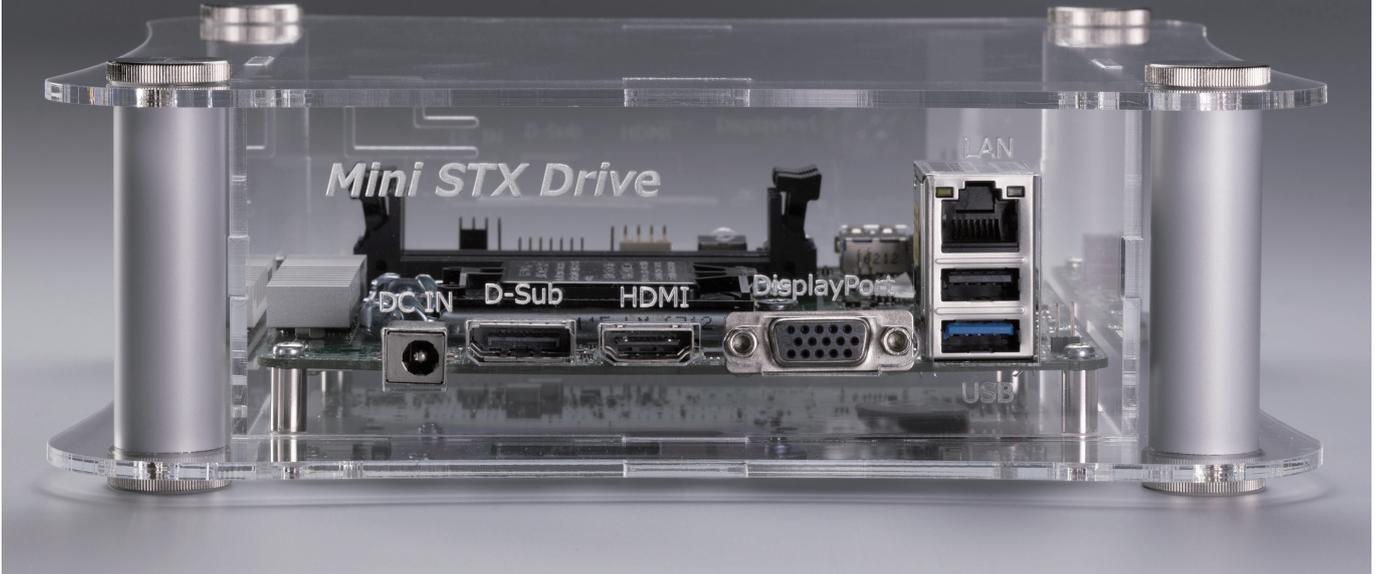
TAKACHI

SHOW IT THROUGH SKELETON CASE

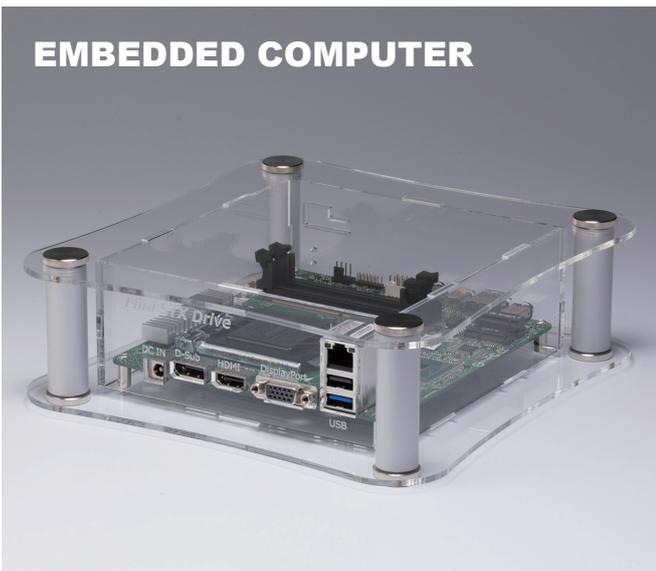


CASE BOX RACK & CUSTOM
TAKACHI ELECTRONICS ENCLOSURE CO., LTD.

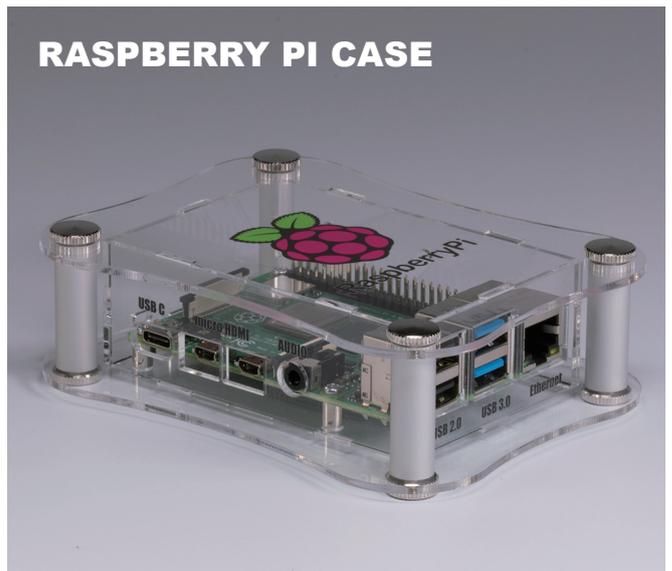
Show inside for visual appeal with our transparent case.



EMBEDDED COMPUTER



RASPBERRY PI CASE



DISPLAY CASE



THERMOSTAT



CUSTOMIZATION POSSIBILITIES

Inkjet Printing • Engraving

Print your logo, letters via inkjet printing with low initial cost from just 1 piece.
Engraving is also possible!



Developed Idea by using acrylic panels

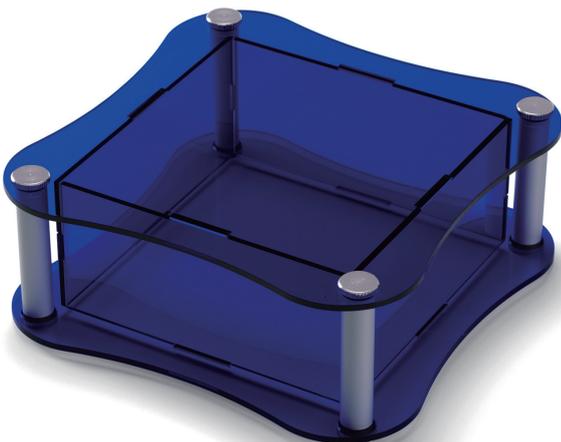
Aluminium panels can be exchanged for an acrylic panel for display of internal components. Perfect for use as showcase models or product demonstrations. (Example: FC series)

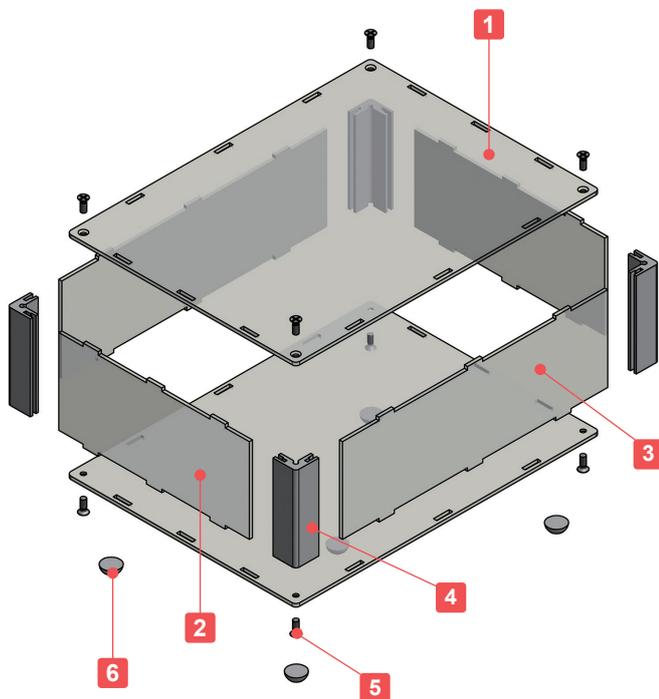
Used as a visually appealing decorative front panel placing on a standard aluminium panel. (Example: AWA series)



COLOR VARIATION

Available in different color types, as well as smoked / tinted shades.





- Extruded aluminium corner pillars enables the structure to be rigid when screwed.
- Adjustable sizes available in 1mm intervals, with W and D dimensions from 50 ~ 500mm, and H dimensions from 30 ~ 500mm.
- Rubber feet can be provided if required in S (Φ11.2mm) or L (Φ15.7mm) sizes.

※Ethanol or other alcoholic solvents may cause the acrylic panel to crack. Use a neutral cleaner or specialized acrylic cleaning solvent for cleaning.

■ **Caution**

· On larger sized cases, the top cover may come loose if the middle part is held without support.



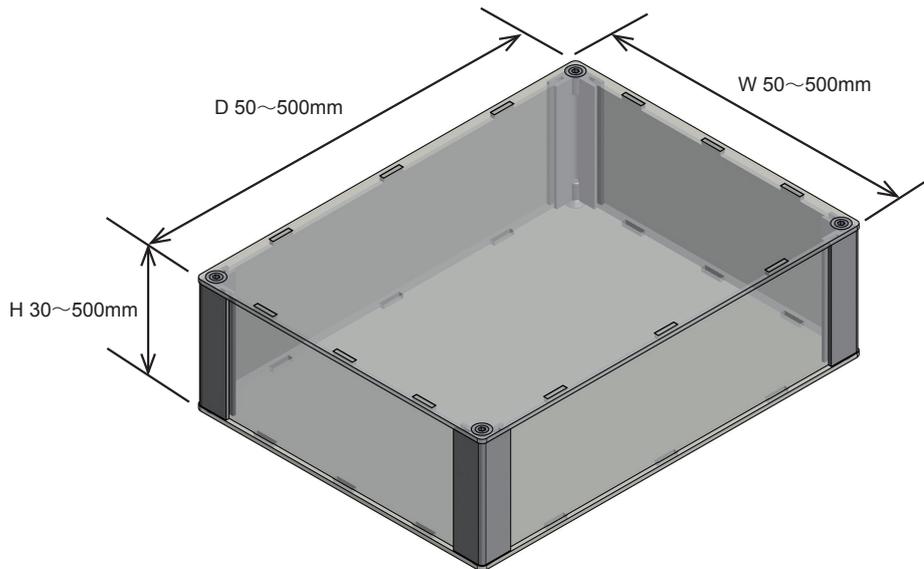
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top - Bottom cover	1 each	Acrylic	Transparent
2	W panel	2	Acrylic	Transparent
3	D panel	2	Acrylic	Transparent
4	Pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Screw (Hexagonal countersunk - M3 or M4)	8	Stainless steel	Unfinished
6	Rubber feet	0 or 5	Polyurethane	Transparent

■ Hexagonal wrench included.

1 Specify Dimensions

Specify dimensions in 1mm intervals.



■ Panel thickness, screw sizes, and pillar types vary by W / D dimensions.

[K15] Type

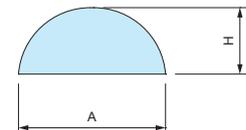
Dimension : refer to chart
 Panel thickness : t = 2.0mm
 Screw size : M3
 Pillar : 15 x 15mm

[K20] Type

Dimension : refer to chart
 Panel thickness : t = 3.0mm
 Screw size : M4
 Pillar : 20 x 20mm

2 Select Rubber Feet

Code	A	H	Pack of
N (None)	—	—	—
S	11.2	5.1	5
L	15.7	7.9	5



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. SKSF - -

W H D K15 or K20 Rubber feet

Example : W = 100 mm, H = 50 mm, D = 135 mm with S type rubber feet.

SKSF - -

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

SKSF Type Chart

Refer to the below chart for K15 or K20 type selection by W & D dimensions.

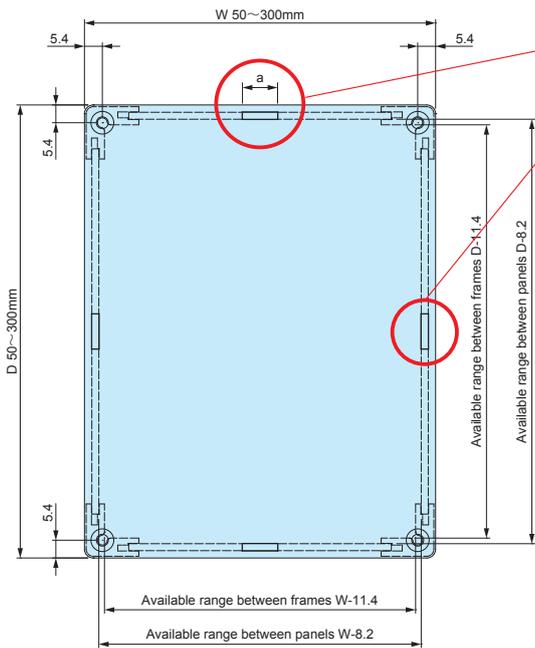
[K15] Type : t = 2.0mm · M3 screw · 15 x 15 pillar

[K20] Type : t = 3.0mm · M4 screw · 20 x 20 pillar

W	H	D	50~100	101~150	151~200	201~250	251~300	301~350	351~400	401~450	451~500
			50~100	30~100	Blue	Blue	Blue	Blue	Blue	Blue	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
101~150	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
151~200	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
201~250	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
251~300	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
301~350	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
351~400	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
401~450	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
451~500	30~100		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	101~200		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	201~300		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	301~400		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red
	401~500		Blue	Blue	Blue	Blue	Blue	Blue	Red	Red	Red

SKSF dimensions

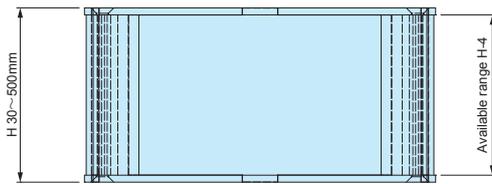
[K15] type : t = 2.0 mm : Screw size : M3 : Pillar : 15 x 15 mm



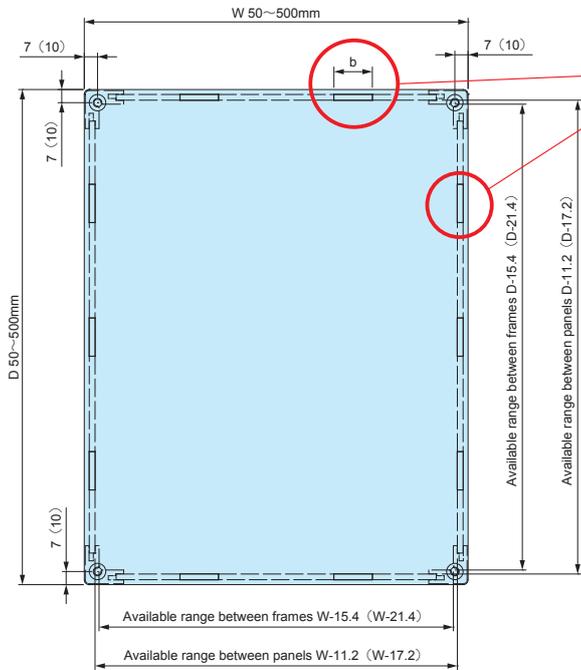
Number of joints vary by specified W / D dimensions.
Refer to the below chart for more information.

W dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3

D dimension	Joint a dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3



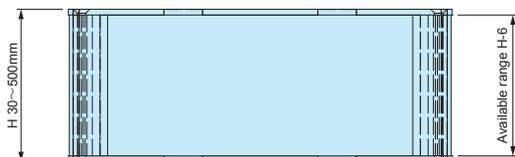
[K20] type : t = 3.0 mm : Screw size : M4 : Pillar : 20 x 20 mm



Number of joints vary by specified W / D dimensions.
Refer to the below chart for more information.

W dimension	Joint b dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3
301~400	20mm	4
401~500	20mm	5

D dimension	Joint b dimension	Number of Joints (one side)
50~100	10mm	1
101~150	20mm	1
151~200	20mm	2
201~300	20mm	3
301~400	20mm	4
401~500	20mm	5



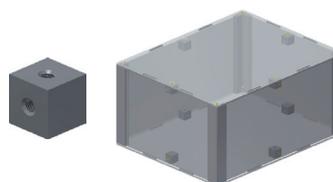
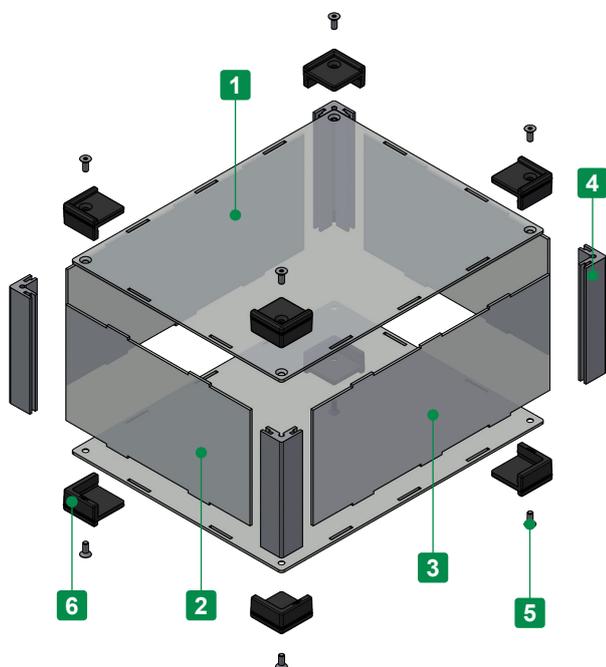
※ Available range values within () is applicable if D / W dimension is 301mm or larger.



- Rugged design acrylic case with TPE (Elastomer) corner guards.
- Adjustable sizes available in 1mm intervals, with W and D dimensions from 55 ~ 500mm, and H dimension from 30 ~ 500mm.
- Extruded aluminium corner pillars enables the structure to be rigid when screwed.

※ Ethanol or other alcoholic solvents may cause the acrylic panel to crack. Use a neutral cleaner or specialized acrylic cleaning solvent for cleaning.

- Caution
 - On larger sized boxes, the top cover may come loose if the middle part is held without support.



To prevent rattles and also to make more rigid construct, CUBE spacer is available as option. See page 120 for more details.

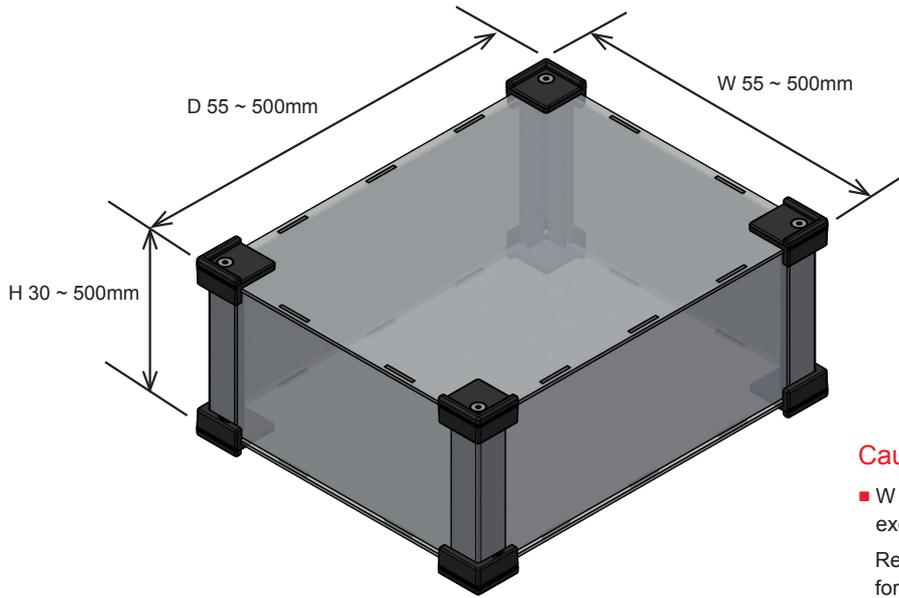
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top • Bottom cover	1 each	Acrylic	Transparent
2	W panel	2	Acrylic	Transparent
3	D panel	2	Acrylic	Transparent
4	Extruded pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Screw (Hexagonal flat head - M3 or M4)	8	Stainless steel	Unfinished
6	Corner guard	8	TPE	Black • Gray

■ Hexagonal wrench included.

1 Dimensions

To select D, W and H dimensions in 1mm intervals.



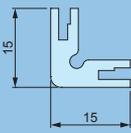
Caution

- W · H · D dimensions are the external dimensions excluding the corner guards.
- Refer to DXF/DWG/PDF drawings on our website for further details.

- Panel thickness, screw sizes, and pillar types vary by W / D dimensions.
- Refer to the chart on page SKGF-3 for K15 or K20 pillar type selection by W, H & D dimensions.

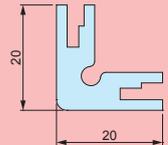
[K15] Pillar Type

Dimension : refer to chart
 Panel thickness : t = 2.0mm
 Screw size : M3
 Pillar : 15 x 15mm



[K20] Pillar Type

Dimension : refer to chart
 Panel thickness : t = 3.0mm
 Screw size : M4
 Pillar : 20 x 20mm



2 Color

To select color code from the table below.

Code	B Black	G Gray
Color		

Product Number

To determine a product number, fill W, H, D and select Pillar type and Color code in the following blank boxes.

Product no. SKGF - - -

1 W 1 H 1 D 1 K15 or K20 2 Color Code

Numbering example: W:100 x H:60 x D:180, K15 pillar type and G color code

➔ **SKGF100-60-180K15-G**

Lead Time

Custom Size Only 8 business days (1 ~ 3 pcs)
 Custom Size + Hole Milling 9 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

SKGF Type Chart

Refer to the below chart for K15 or K20 pillar type selection by W & D dimensions.

[K15] Pillar Type : t = 2.0mm • M3 screw • 15 x 15 pillar

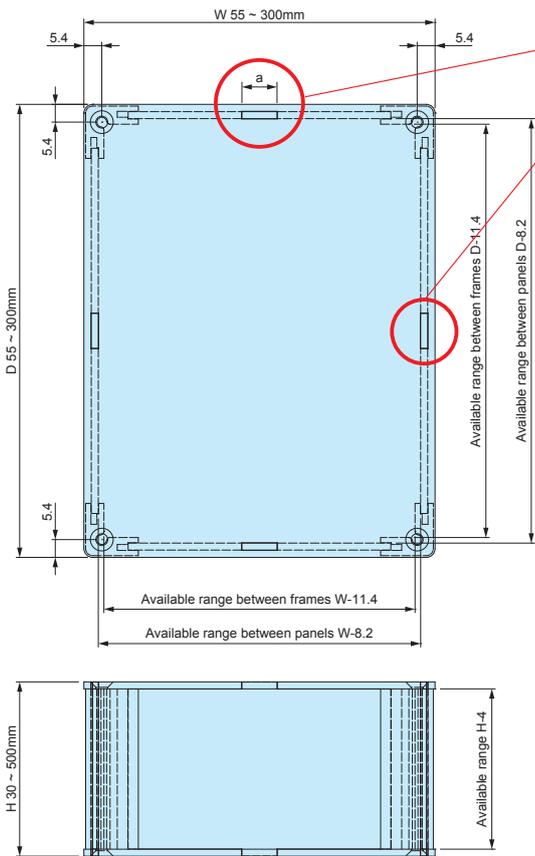
[K20] Pillar Type : t = 3.0mm • M4 screw • 20 x 20 pillar

W	H \ D	D									
		55 ~ 100	101 ~ 150	151 ~ 200	201 ~ 250	251 ~ 300	301 ~ 350	351 ~ 400	401 ~ 450	451 ~ 500	
55 ~ 100	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
101 ~ 150	30 ~ 100	[K15] Pillar Type									
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
151 ~ 200	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
201 ~ 250	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
251 ~ 300	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
301 ~ 350	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
351 ~ 400	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
401 ~ 450	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										
451 ~ 500	30 ~ 100										
	101 ~ 200										
	201 ~ 300										
	301 ~ 400										
	401 ~ 500										

SKGF dimensions

DXF/DWG/PDF drawings available on our website.

[K15] Pillar Type : t = 2.0mm • M3 screw • 15 x 15 pillar

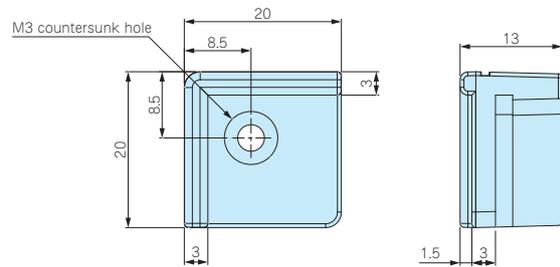


Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

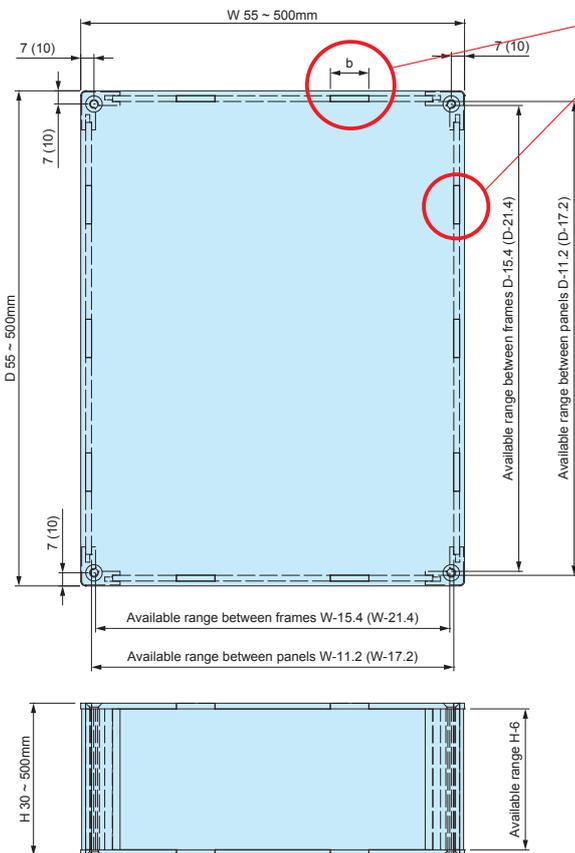
W dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3

D dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3

Corner guard dimensions



[K20] Pillar Type : t = 3.0mm • M4 screw • 20 x 20 pillar

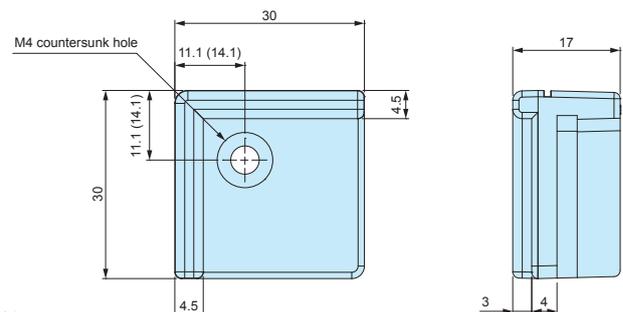


Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

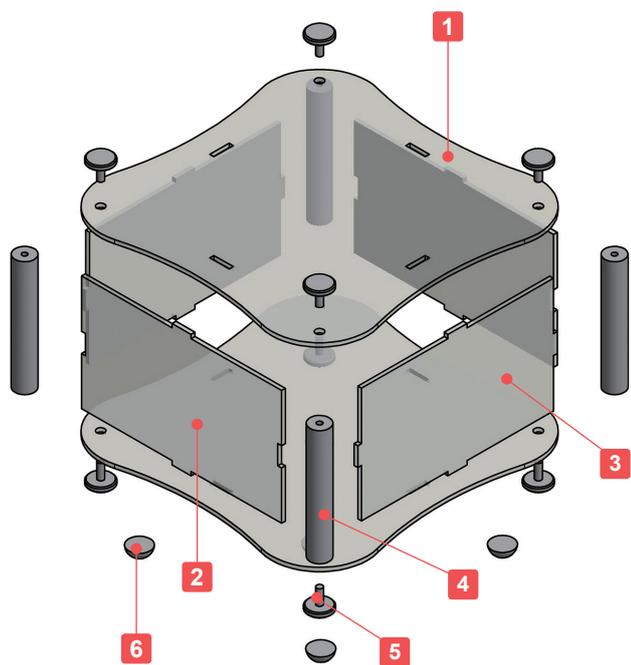
W dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3
301 ~ 400	20mm	4
401 ~ 500	20mm	5

D dimension	Joint b dimension	Number of Joints (one side)
55 ~ 100	10mm	1
101 ~ 150	20mm	1
151 ~ 200	20mm	2
201 ~ 300	20mm	3
301 ~ 400	20mm	4
401 ~ 500	20mm	5

Corner guard dimensions



*Available range values within () is applicable if D / W dimension is 301mm or larger.



- Adjustable sizes available in 1mm intervals, with W and D dimensions from 50 ~ 500mm, and H dimensions from 30 ~ 500mm.
- Rubber feet can be provided if required in S (Φ11.2mm) or L (Φ15.7mm) sizes.
- Knurled thumb screws for easy hand assembly.

※Ethanol or other alcoholic solvents may cause the acrylic panel to crack. Use a neutral cleaner or specialized acrylic cleaning solvent for cleaning.

■ **Caution**

- On larger sized cases, the top cover may come loose if the middle part is held without support.



Components

No.	Part name	Pcs	Material	Color / Finish
1	Top · Bottom cover	1 each	Acrylic	Transparent
2	W panel	2	Acrylic	Transparent
3	D panel	2	Acrylic	Transparent
4	Pillar	4	Extruded aluminium A6063S-T5	Silver anodized
5	Knurled thumb screw	8	Brass	Nickel plated
6	Rubber feet	0 or 5	Polyurethane	Transparent

SKLF Type Chart

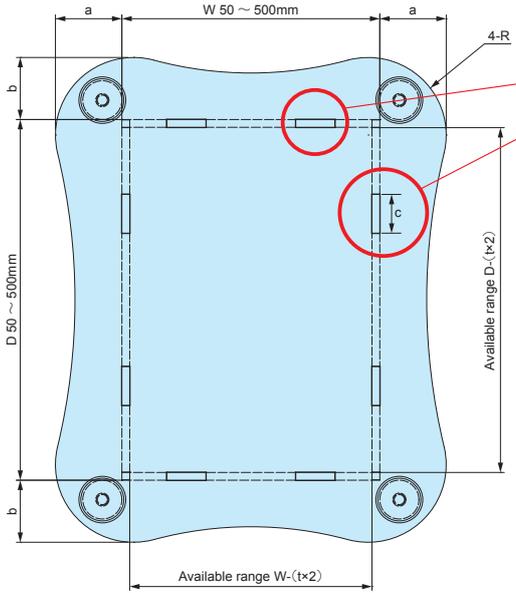
Refer to the below chart for S10 or S18 type selection by W & D dimensions.

[S10] type : t = 2.0mm · M3 screw · Φ10.0 pillar

[S18] type : t = 3.0mm · M4 screw · Φ18.0 pillar

W	H	D									
		50~100	101~150	151~200	201~250	251~300	301~350	351~400	401~450	451~500	
50~100	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
101~150	30~100	[S10] type									
	101~200										
	201~300										
	301~400										
	401~500										
151~200	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
201~250	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
251~300	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
301~350	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
351~400	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
401~450	30~100										
	101~200										
	201~300										
	301~400										
	401~500										
451~500	30~100										
	101~200										
	201~300										
	301~400										
	401~500										

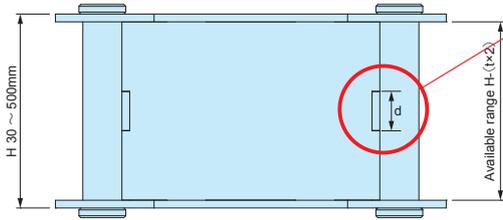
SKLF dimensions



Number of joints vary by specified W / D dimensions. Refer to the below chart for more information.

W dimension	Joints (one side)	D dimension	Joints (one side)
50~150	1	50~150	1
151~200	2	151~200	2
201~300	3	201~300	3
301~400	4	301~400	4
401~500	5	401~500	5

Joint c dimension = 20.0mm



Number of joints vary by specified H dimensions. Refer to the below chart for more information.

H dimension	Joint d dimension	Joints (one side)
30~100	10mm	1
101~200	20mm	1
201~300	20mm	2
301~400	20mm	3
401~500	20mm	4

D dimension \ W dimension	50~100			101~150			151~200			201~250			251~300		
	a	b	R	a	b	R	a	b	R	a	b	R	a	b	R
50~100	17	17	15	17	17	15	29	28	15	29	28	15	30	28	15
101~150	17	17	15	18	18	25	29	29	25	30	29	25	30	29	25
151~200	28	29	15	29	29	25	31	31	40	31	31	40	32	31	40
201~250	28	29	15	29	30	25	31	31	40	33	33	50	33	33	50
251~300	28	30	15	29	30	25	31	32	40	33	33	50	35	35	60
301~350	35	37	15	36	38	25	38	39	40	40	41	50	42	42	60
351~400	35	38	15	36	38	25	38	40	40	40	41	50	42	43	60
401~450	35	38	15	36	39	25	38	40	40	40	42	50	42	43	60
451~500	35	39	15	36	39	25	38	41	40	40	42	50	42	44	60

D dimension \ W dimension	301~350			351~400			401~450			451~500		
	a	b	R	a	b	R	a	b	R	a	b	R
50~100	37	35	15	38	35	15	38	35	15	39	35	15
101~150	38	36	25	38	36	25	39	36	25	39	36	25
151~200	39	38	40	40	38	40	40	38	40	41	38	40
201~250	41	40	50	41	40	50	42	40	50	42	40	50
251~300	42	42	60	43	42	60	43	42	60	44	42	60
301~350	44	44	70	44	44	70	45	44	70	45	44	70
351~400	44	44	70	46	46	80	46	46	80	47	46	80
401~450	44	45	70	46	46	80	48	48	90	48	48	90
451~500	44	45	70	46	47	80	48	48	90	50	50	100



SIMPLE ALUMINIUM SHEET METAL BOX with COVER

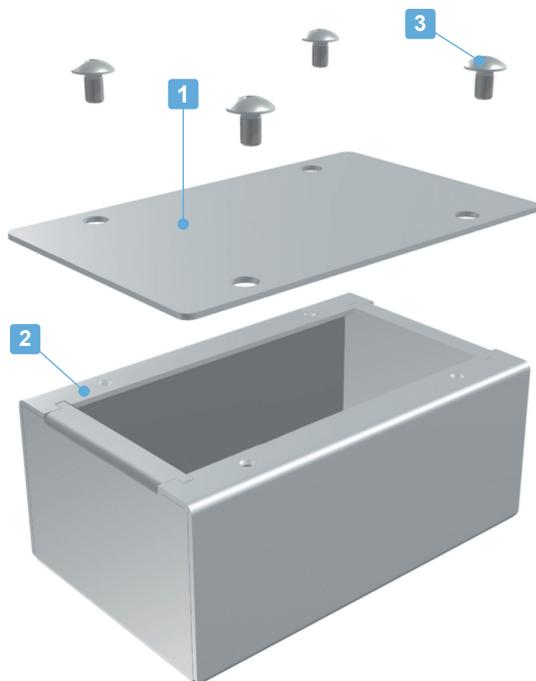
6 Additional Sizes

Low-cost lineup of chassis cases released!

← Customizable Sizes Expanded →

**CUSTOM SIZED ALUMINIUM BOX
CUSTOM SIZED STAINLESS STEEL BOX**





- Adjustable sizes available in 1mm intervals, with W and D dimensions from 60 ~ 400mm, and H dimension from 20 ~ 120mm.
- Detachable top cover allows easy assembly and maintenance access.
- Internal surface of the sheet aluminium is unfinished, making conductive and grounding possible.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Aluminium A1100P t = 1.2	Metallic silver / painted (conductive inside)
2	Base	1	Aluminium A1100P t = 1.2	Metallic silver / painted (conductive inside)
3	Screw (M3-5 truss head)	4 / 6 / 8	—	Nickel plated

■ Cover and Base are covered with a protection film on one side.

TCF Size Table

Refer to the table below for available dimensions.

W and D = 200mm or smaller : Folded area width = W8.5mm, D5.5mm

W or D = 201mm or larger : Folded area width = W10.0mm, D10.0mm

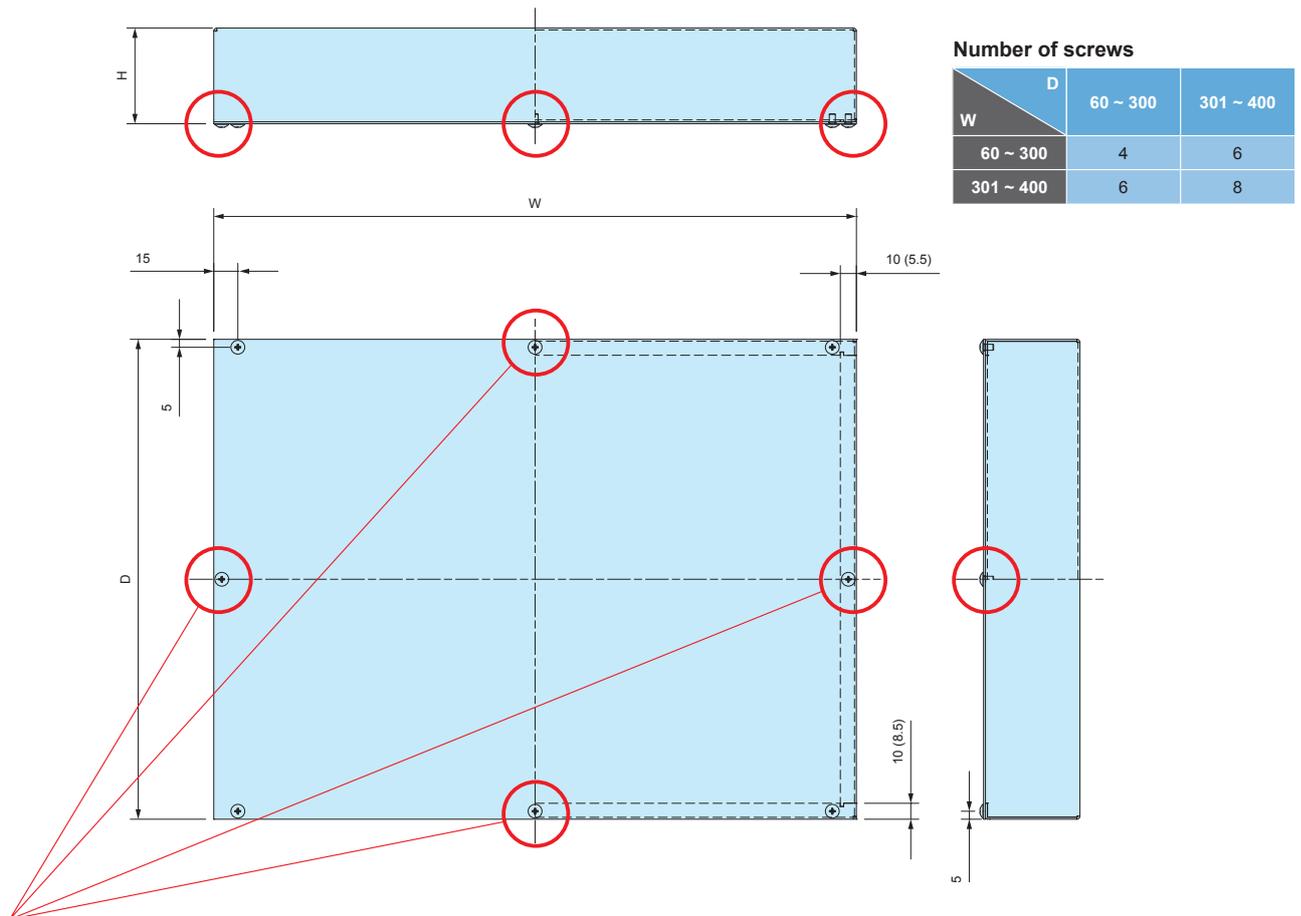
See TCF dimensions on page TCF-4 for further details.

■ [—] sizes are not available.

W	H	D	60 ~ 99	100 ~ 125	126 ~ 150	151 ~ 175	176 ~ 200	201 ~ 225	226 ~ 250	251 ~ 300	301 ~ 325	326 ~ 350	351 ~ 375	376 ~ 400
			20 ~ 39	○	○	○	○	○	○	○	○	○	○	○
60 ~ 99	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
100 ~ 125	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
126 ~ 150	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
151 ~ 175	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
176 ~ 200	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
201 ~ 225	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
226 ~ 250	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
251 ~ 300	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
301 ~ 325	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
326 ~ 350	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
351 ~ 375	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
376 ~ 400	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○

TCF dimensions

■ DXF/DWG/PDF drawings available on our website.



Number of screws

W	D	60 ~ 300	301 ~ 400
		4	6
301 ~ 400		6	8

***Note:**

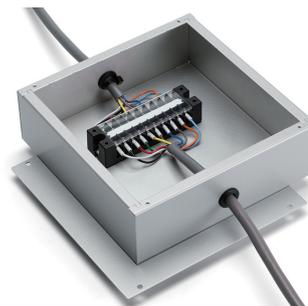
An additional set of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 301mm or larger. Values within () are for W / D dimensions of 200 mm or smaller.

APPLICATION EXAMPLE

Switch Box



Terminal Box



Command Panel

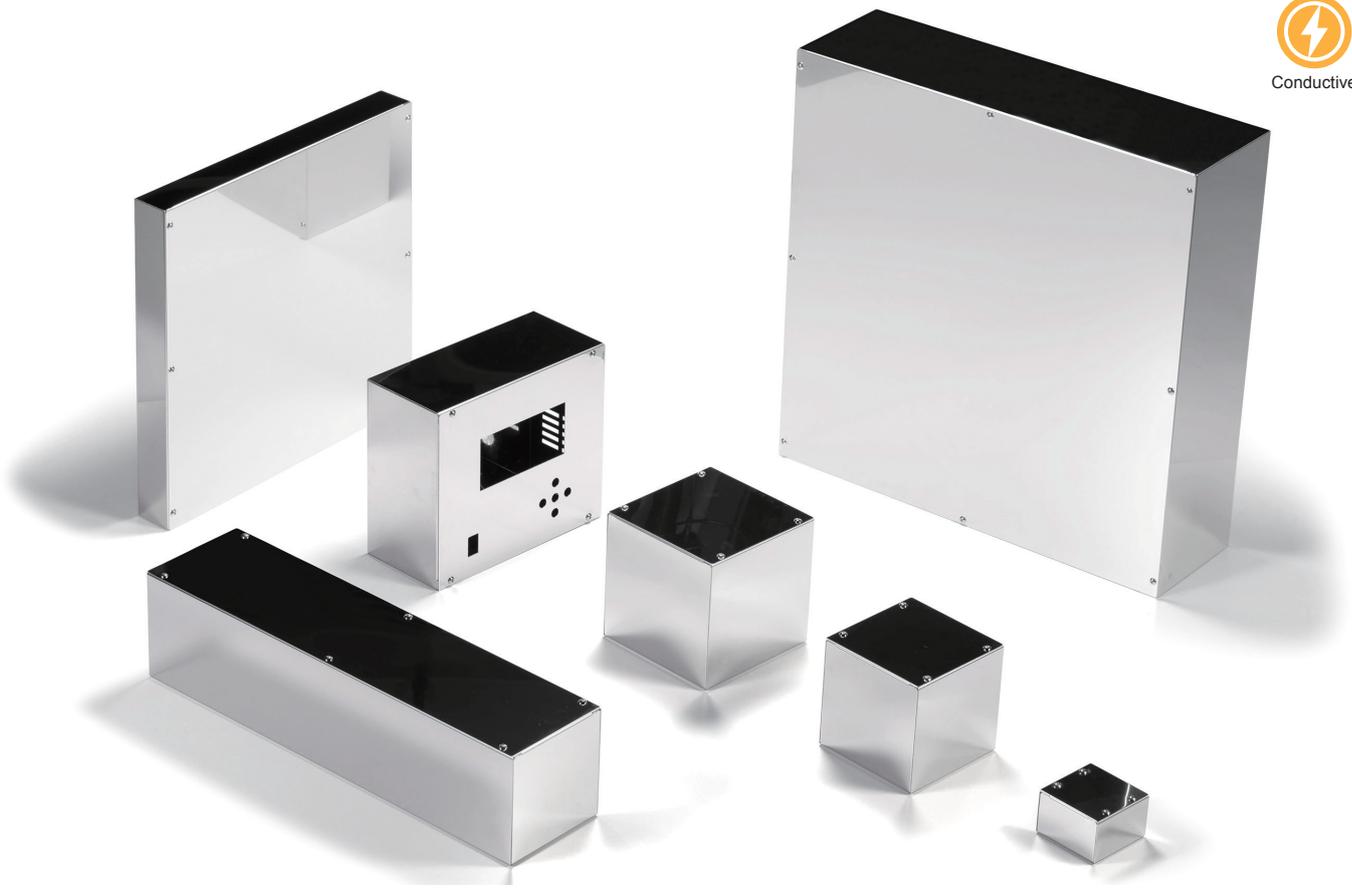


Controller



Tube Amplifier





- Adjustable sizes available in 1mm intervals, with W and D dimensions from 60 ~ 400mm, and H dimension from 20 ~ 120mm.
- Detachable top cover allows easy assembly and maintenance access.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Stainless steel (SUS304) allows the enclosure to be conductive.
- Best suited for the instruments located in medical facilities, food plant, or clean room.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304 t = 0.8	Bright annealed
2	Base	1	Stainless steel SUS304 t = 0.8	Bright annealed
3	Screw (M3-5 truss head)	4 / 6 / 8	Stainless steel	Unfinished

■ Cover and Base are covered with a protection film on one side.

TCS Size Table

Refer to the table below for available dimensions.

W and D = 200mm or smaller : Folded area width = W8.5mm, D5.5mm

W or D = 201mm or larger : Folded area width = W10.0mm, D10.0mm

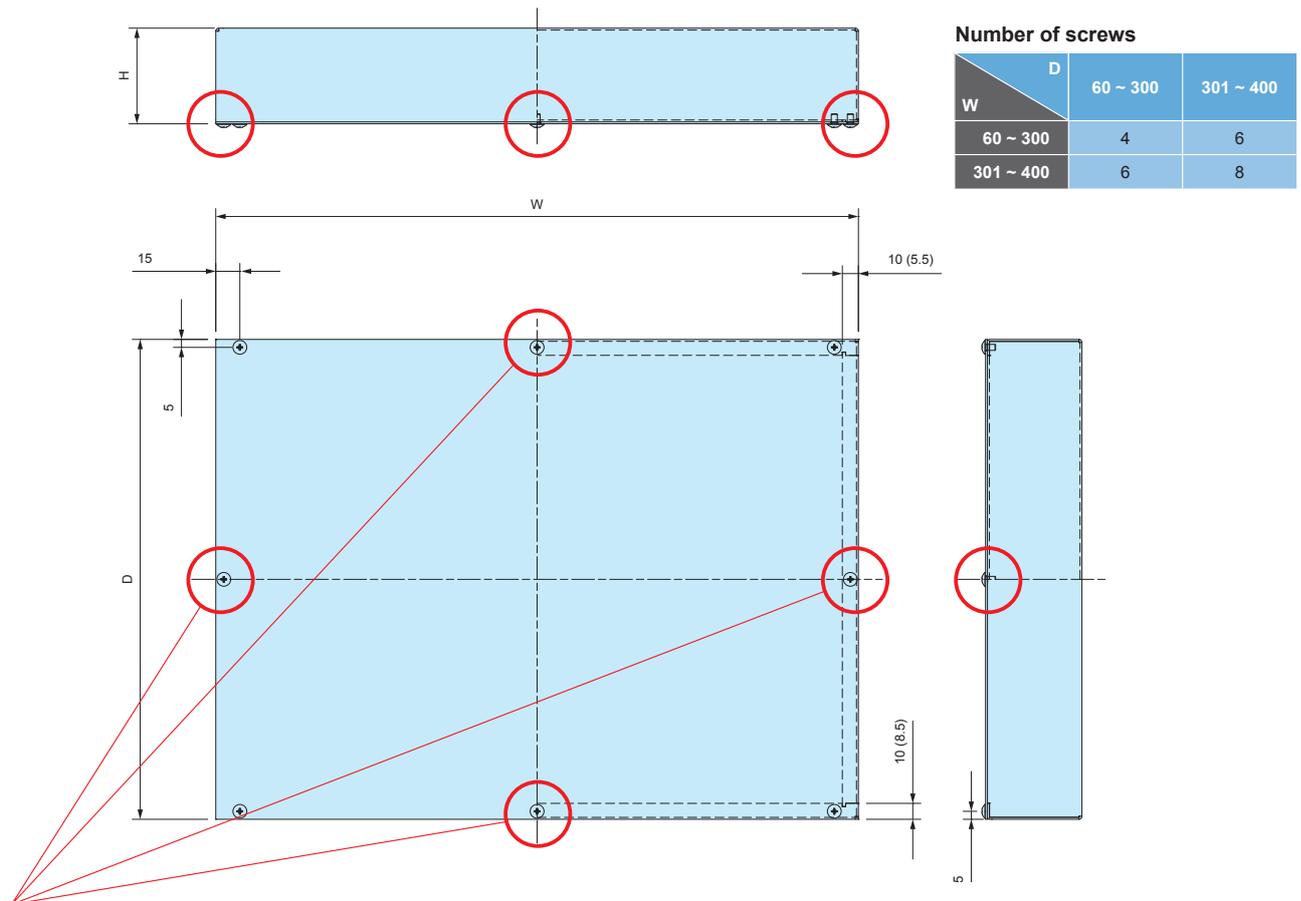
See TCS dimensions on page TCS-4 for further details.

■ [—] sizes are not available.

W	H	D	60 ~ 99	100 ~ 125	126 ~ 150	151 ~ 175	176 ~ 200	201 ~ 225	226 ~ 250	251 ~ 300	301 ~ 325	326 ~ 350	351 ~ 375	376 ~ 400
			20 ~ 39	○	○	○	○	○	○	○	○	○	○	○
60 ~ 99	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
100 ~ 125	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
126 ~ 150	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
151 ~ 175	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
176 ~ 200	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	20 ~ 39	○	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
201 ~ 225	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
226 ~ 250	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
251 ~ 300	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
301 ~ 325	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
	71 ~ 100	—	○	○	○	○	○	○	○	○	○	○	○	○
326 ~ 350	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
351 ~ 375	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○
376 ~ 400	101 ~ 120	—	○	○	○	○	○	○	○	○	○	○	○	○
	40 ~ 50	○	○	○	○	○	○	○	○	○	○	○	○	○
	51 ~ 70	○	○	○	○	○	○	○	○	○	○	○	○	○

TCS dimensions

■ DXF/DWG/PDF drawings available on our website.



Number of screws

W \ D	D	
	60 ~ 300	301 ~ 400
60 ~ 300	4	6
301 ~ 400	6	8

*Note:

An additional set of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 301mm or larger. Values within () are for W / D dimensions of 200 mm or smaller.

CUSTOMIZED EXAMPLE

LASER CUTTING

Lead Time : 8 business days



LASER CUTTING + INKJET PRINTING

Lead Time : 11 business days

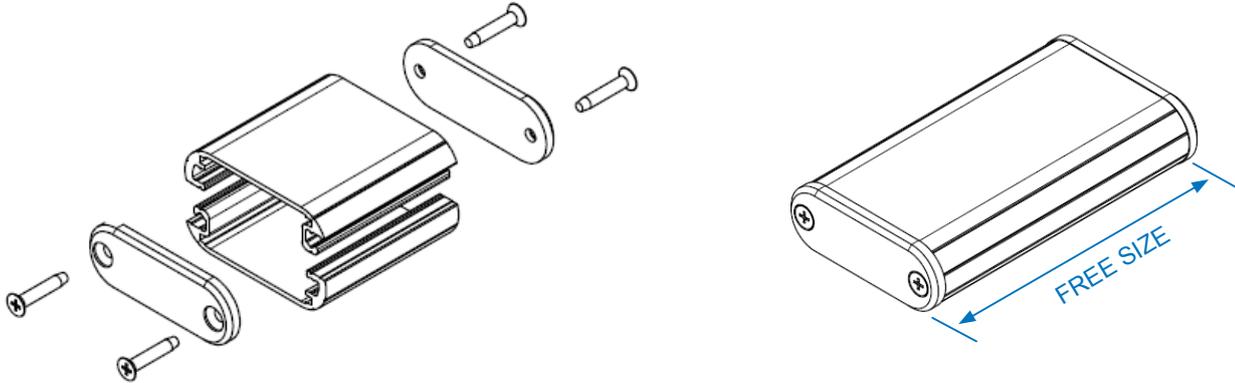


TCS-4

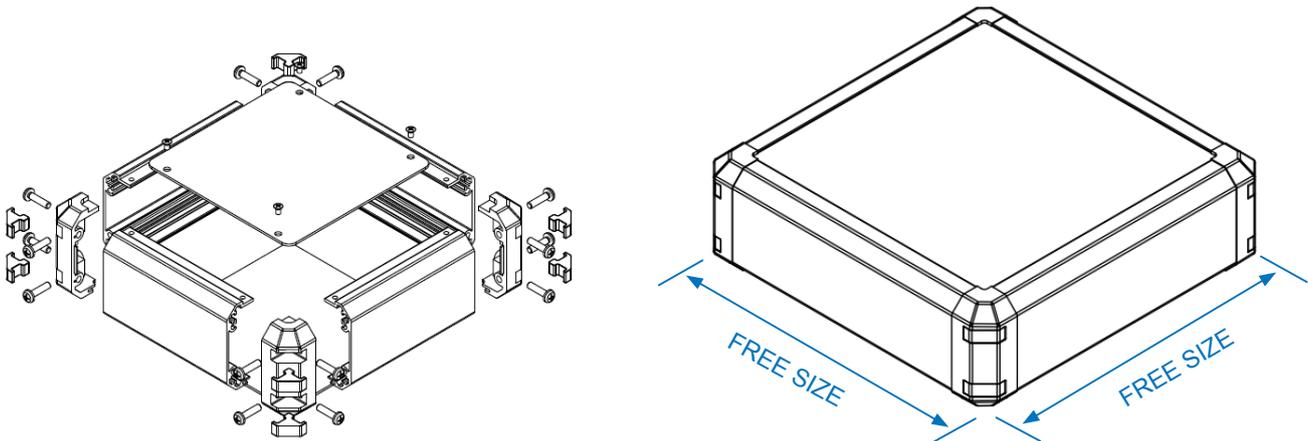
VARIETY OF CUSTOM SIZED ENCLOSURES

Extruded models are adjustable in extrusion length (depth) in 0.1mm or 1.0mm intervals.
Sheet-metal models are adjustable in W/D/H dimensions in 1.0mm intervals.

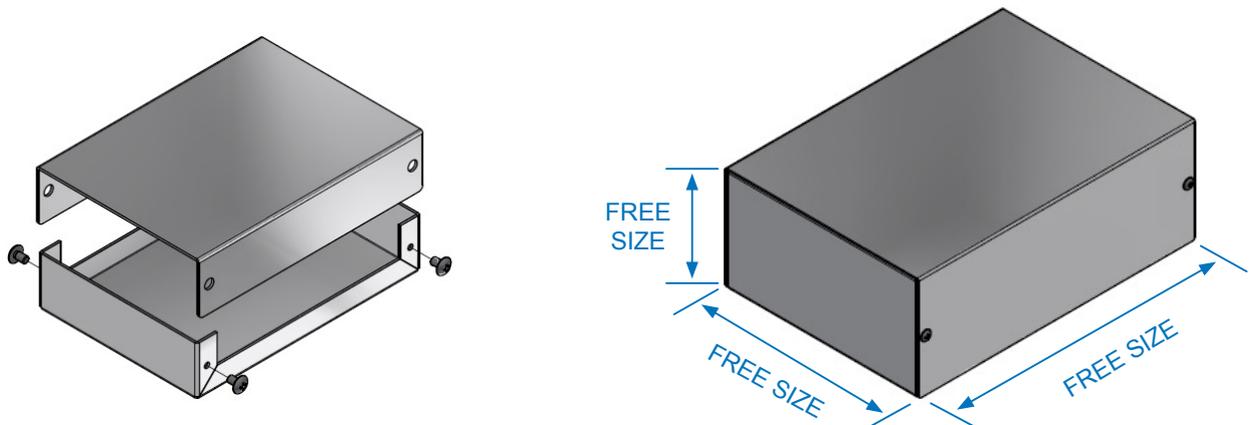
EXTRUDED ALUMINIUM MODEL



4 SIDE-EXTRUDED ALUMINIUM MODEL



SHEET METAL MODEL



More custom sized models are available.

https://www.takachi-enclosure.com/cat/flexible_size

INQUIRING CUSTOM SIZED ENCLOSURES

1 Navigate to the free-size product page you wish to inquire on our website and click on the button indicated by the → arrow.



Custom sized shock-proof design instrument enclosure.
Corner guards are designed to be both aesthetically pleasing, and impact resistant.

Selectable 22 different Width/Height profiles and specified length (depth) from 40 to 500mm in 1mm intervals.
16 different color combinations can be specified.

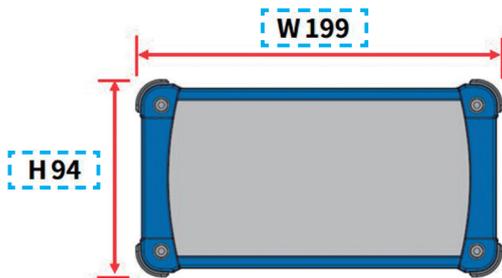
→ **CUSTOM SIZE WEB QUOTATION** 3D View - Silver/Navy 3D View - 16 color types

3D View - With tilt legs Exploded view Color code

■ If there is no "WEB QUOTATION" click button, please send us your inquiry from the "INQUIRY FORM" on the CONTACT tab on our website.

2 Go to the CUSTOM SIZE WEB QUOTATION page and enter your preferred dimensions.

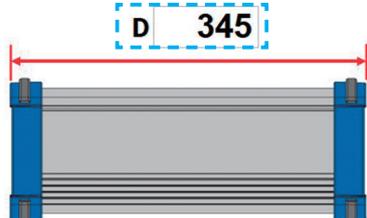
STEP1 Select required width / height.



Select	W	H	Select	W	H
<input type="checkbox"/>	69	34	<input type="checkbox"/>	151	81
<input type="checkbox"/>	69	44	<input type="checkbox"/>	151	101
<input type="checkbox"/>	69	59	<input type="checkbox"/>	199	56
<input type="checkbox"/>	89	39	<input type="checkbox"/>	199	74
<input type="checkbox"/>	89	49	<input checked="" type="checkbox"/>	199	94
<input type="checkbox"/>	89	64	<input type="checkbox"/>	199	119
<input type="checkbox"/>	116	41	<input type="checkbox"/>	244	64
<input type="checkbox"/>	116	56	<input type="checkbox"/>	244	89
<input type="checkbox"/>	116	71	<input type="checkbox"/>	244	114
<input type="checkbox"/>	151	46	<input type="checkbox"/>	300	90
<input type="checkbox"/>	151	61	<input type="checkbox"/>	300	140

STEP2 Specify size D(depth) ... Enter dimensions in 1mm intervals.

Available from 40 to 500mm



*NOTE: Specified size D(depth) ≠ available internal dimension
Available internal dimension = **D dimension - 20mm**
Please take caution when calculating required D dimension.

3 After entering the quantity, click on the button indicated by the → arrow to generate a Product No.

STEP4 **Quantity** ※Quantity can be specified up to 5 slots.

10 pcs

▶Add quantity



▶ **GENERATE PRODUCT NO.**

Product No. **EXPS199 – 94 – 345SN** ※Please use this model number when ordering.

4 After entering your details and the message in our INQUIRY FORM, click on the CONFIRM button.

STEP5 **INQUIRY FORM**

Fill out the inquiry form and send it. We will give you quotation by Email.
Inquiry from the country where the distributor is located will be answered by the distributor.

Fields marked with ★ are required

Product No. **EXPS199-94-345SN** Quantity ★

E-mail ★

Company ★

Your name ★ Mr. Ms. First name Last name

Country ★

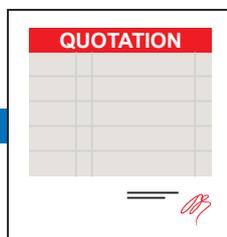
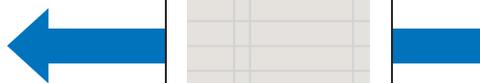
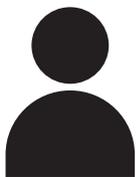
Message

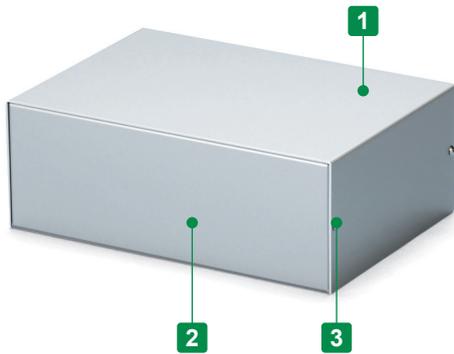
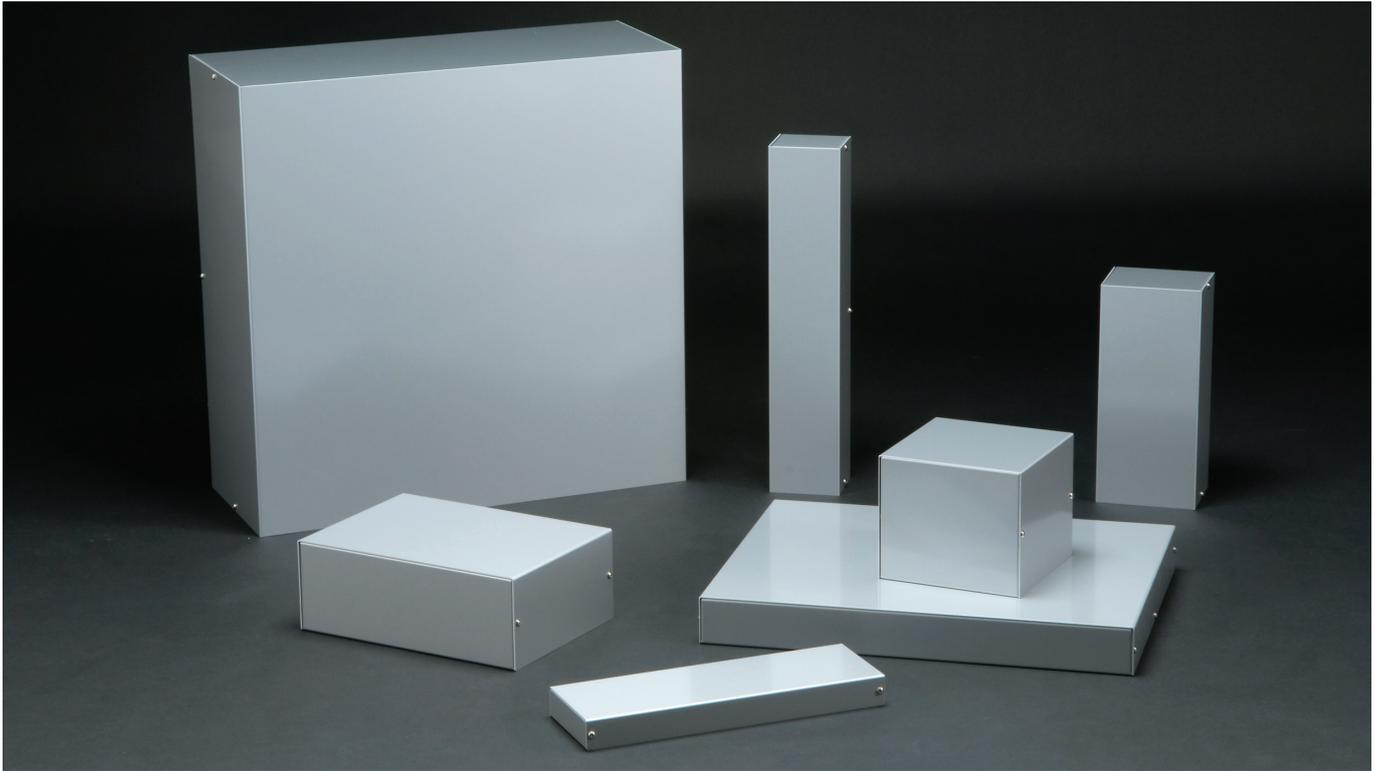


▶ **CONFIRM**

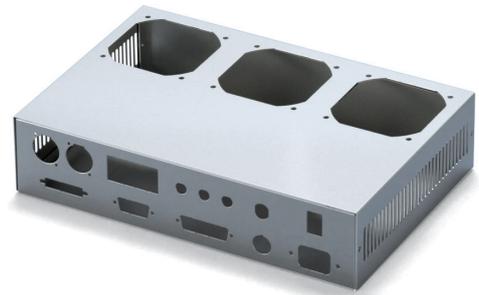
Our privacy policy have been designed to ensure that personal information is not misused or used for purposes other than it is intended for.
[PRIVACY POLICY](#)

5 A TAKACHI sales representative will get in touch with you with a quote via e-mail.





CUSTOMIZED EXAMPLE



- Adjustable sizes available in 1mm intervals, with W and D dimensions from 50 ~ 500mm, and H dimension from 20 ~ 250mm.
- A conductive coating is applied onto the internal surface, allowing for easy earthing.
- Customization services are available (relevant drawings and data will be required).
- Standard size MB series is also available. See MB series product pages for more information.

Components

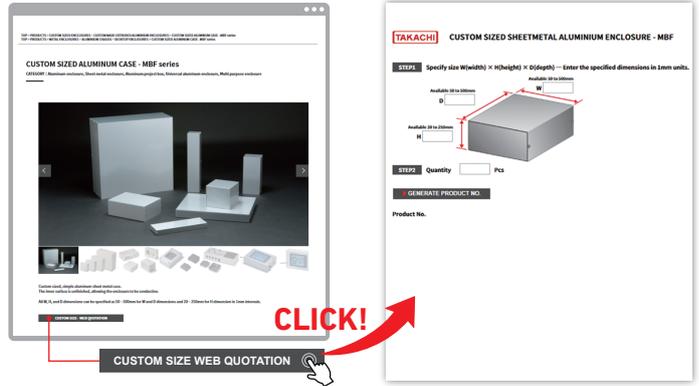
No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Aluminium A1100P	Metallic silver / Painted : Conductive coated internal surface
2	Base	1	Aluminium A1100P	Metallic silver / Painted : Conductive coated internal surface
3	Screw (Truss head M3-5)	4 or 6	Steel	Nickel plated

■ Cover • Base are covered with a protective film on one side.

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

Visit the MBF product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details. The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!



MBF Type Chart

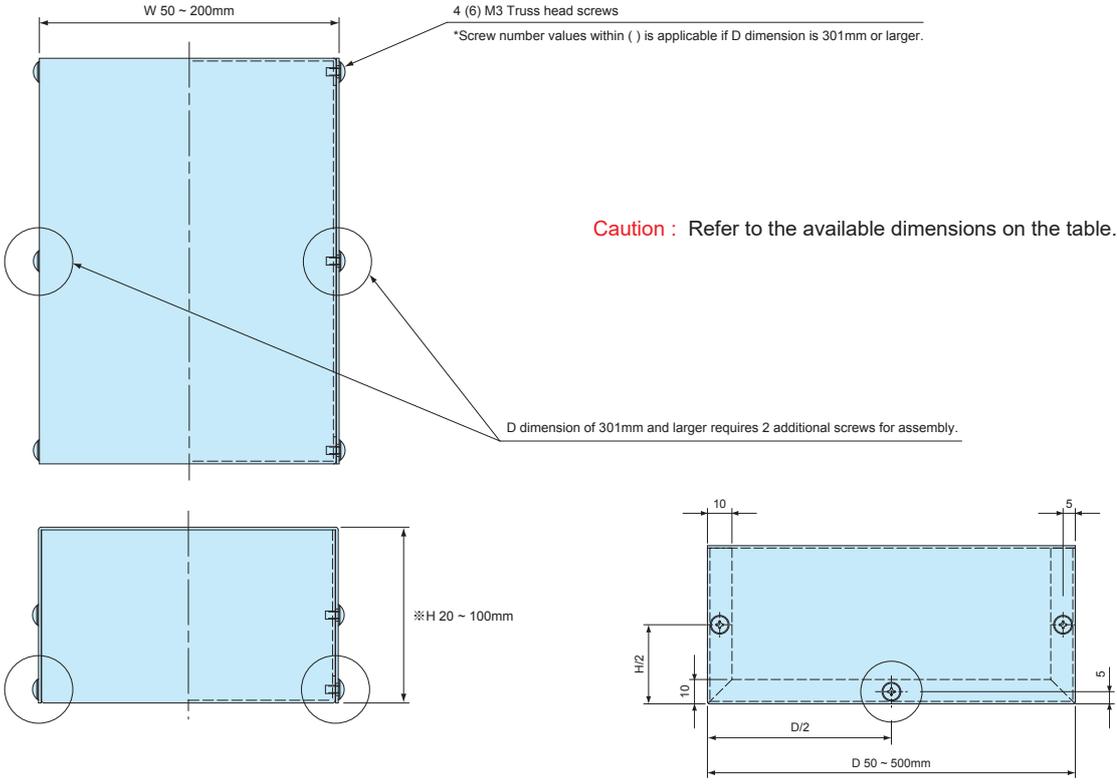
Refer to the below chart for A10, B12 or B15 type selection by W, H & D dimensions.

[A10] Type	Standard • Panel thickness : 1.0mm
[B12] Type	Reinforced • Panel thickness : 1.2mm
[B15] Type	Reinforced • Panel thickness : 1.5mm

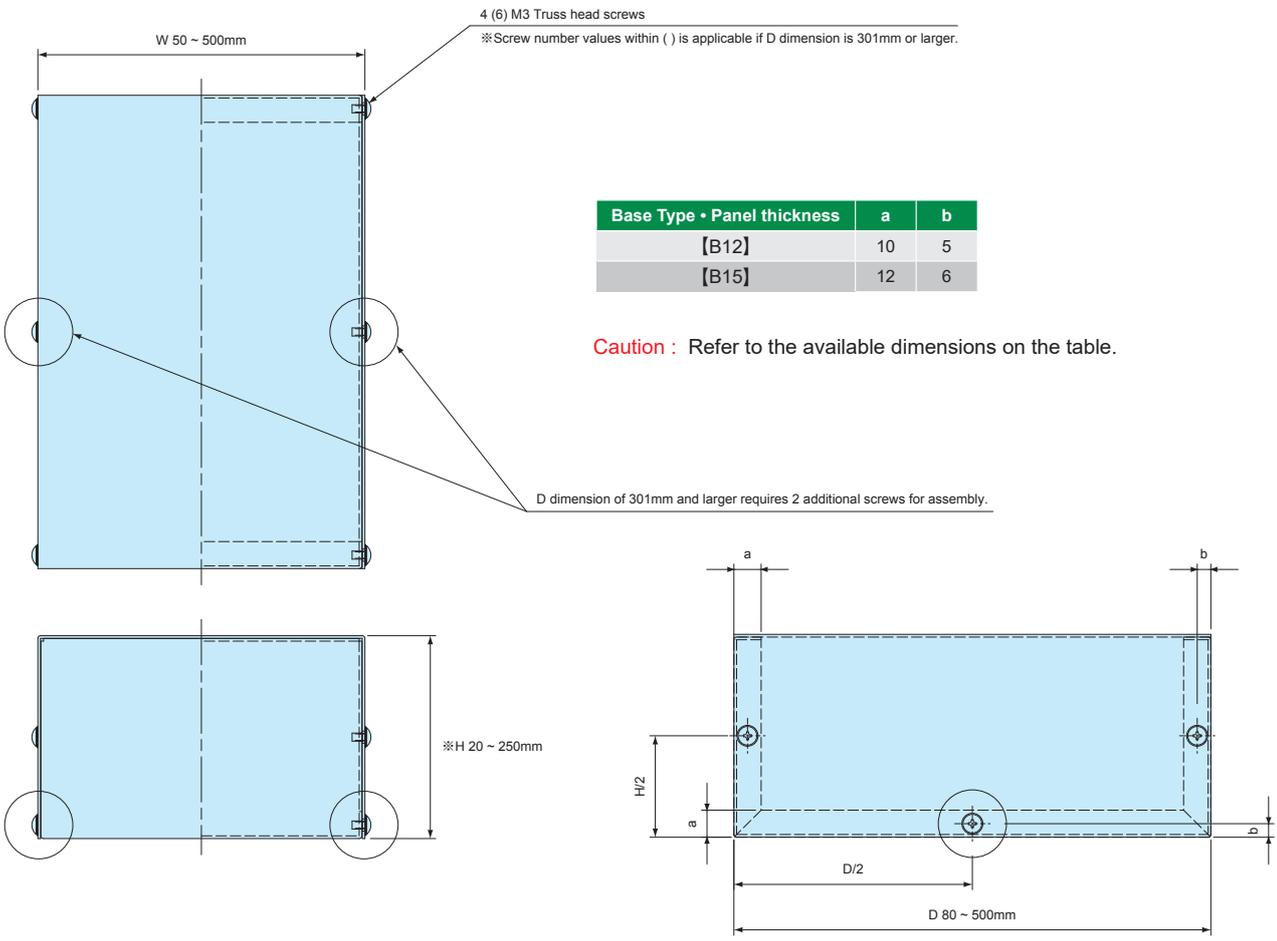
■ [-] sizes are not available.

W	D	4x fixing screw points										6x fixing screw points								
		50 ~ 79	80 ~ 99	100 ~ 125	126 ~ 150	151 ~ 175	176 ~ 200	201 ~ 225	226 ~ 250	251 ~ 275	276 ~ 300	301 ~ 325	326 ~ 350	351 ~ 375	376 ~ 400	401 ~ 425	426 ~ 450	451 ~ 475	476 ~ 500	
50 ~ 99	20 ~ 35	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
	36 ~ 50	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
	51 ~ 75	-	A10	A10	A10	A10	A10	A10	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15
100 ~ 150	20 ~ 50	A10	A10	A10	A10	A10	A10	A10	B12	B12	B12	B12	B15	B15						
	51 ~ 75	-	A10	A10	A10	A10	A10	A10	B12	B12	B12	B12	B15	B15						
	76 ~ 100	-	A10	A10	A10	A10	A10	A10	B12	B12	B12	B12	B15	B15						
151 ~ 200	20 ~ 50	A10	A10	A10	A10	A10	A10	A10	B12	B12	B12	B12	B15	B15						
	51 ~ 75	-	-	A10	A10	A10	A10	A10	B12	B12	B12	B12	B15	B15						
	76 ~ 100	-	-	-	B12	B15	B15													
	101 ~ 125	-	-	-	-	B12	B15	B15												
201 ~ 250	126 ~ 150	-	-	-	-	B12	B15	B15												
	20 ~ 50	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	51 ~ 75	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	76 ~ 100	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	101 ~ 125	-	-	-	-	B12	B15	B15												
	126 ~ 150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B15	B15						
	151 ~ 175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B15	B15						
251 ~ 300	176 ~ 200	-	-	-	-	-	-	-	B12	B12	B12	B12	B15	B15						
	20 ~ 50	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	51 ~ 75	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	76 ~ 100	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15						
	101 ~ 125	-	-	-	-	B12	B15	B15												
	126 ~ 150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B15	B15						
	151 ~ 175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B15	B15						
301 ~ 350	176 ~ 200	-	-	-	-	-	-	-	B12	B12	B12	B12	B15	B15						
	201 ~ 225	-	-	-	-	-	-	-	-	B12	B12	B12	B15	B15						
	226 ~ 250	-	-	-	-	-	-	-	-	-	B12	B12	B15	B15						
	20 ~ 50	-	B12	B12	B15	B15	B15	B15	B15	B15	B15	B15	B15							
	51 ~ 75	-	B12	B12	B15	B15	B15	B15	B15	B15	B15	B15	B15							
	76 ~ 100	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	101 ~ 125	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15						
351 ~ 400	126 ~ 150	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	151 ~ 175	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	176 ~ 200	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	201 ~ 225	-	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	226 ~ 250	-	-	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	20 ~ 50	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	51 ~ 75	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
401 ~ 450	76 ~ 100	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	101 ~ 125	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15						
	126 ~ 150	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	151 ~ 175	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	176 ~ 200	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	201 ~ 225	-	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	226 ~ 250	-	-	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
451 ~ 500	20 ~ 50	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	51 ~ 75	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	76 ~ 100	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	101 ~ 125	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15						
	126 ~ 150	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	151 ~ 175	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15
	176 ~ 200	-	-	-	-	-	-	-	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15

[A10] Type Standard • Panel thickness : 1.0mm



[B12] Type Reinforced • Panel thickness : 1.2mm **[B15] Type** Reinforced • Panel thickness : 1.5mm

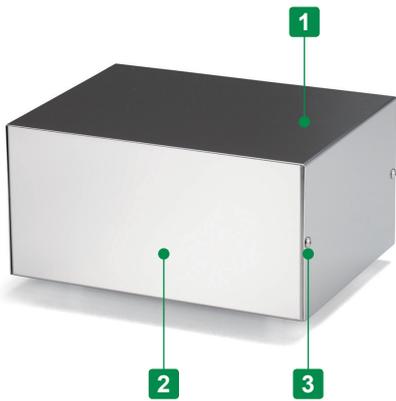


MBS SERIES

CUSTOM SIZED STAINLESS STEEL ENCLOSURE



- Adjustable sizes available in 1mm intervals, with W dimensions from 50 ~ 500mm, D dimensions from 50 ~ 500mm, and H dimensions from 20 ~ 250mm.
- SUS304 stainless steel allows the enclosure to be conductive.



CUSTOMIZED EXAMPLE

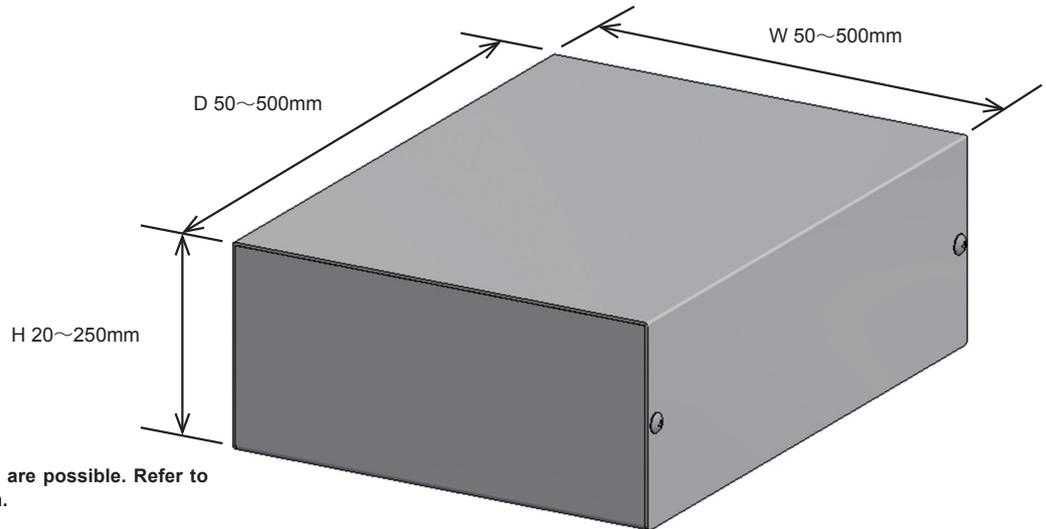


Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304	Bright annealed (BA)
2	Base	1	Stainless steel SUS304	Bright annealed (BA)
3	Screw (Truss M3-5)	4 or 6	Stainless steel	Unfinished

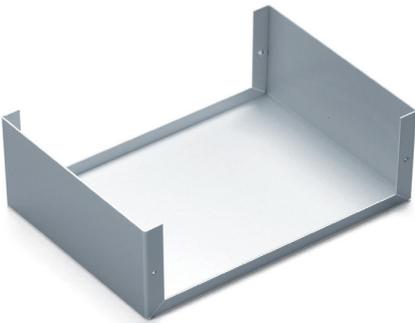
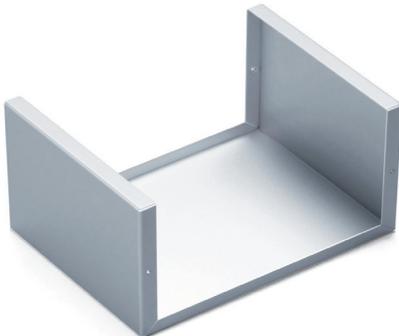
1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution : Not all size combinations are possible. Refer to chart for more information.

■ Panel thickness and base types vary by W / H / D dimensions.
Refer to the chart on page MBS-3 for A08, B10 or B12 type selection by W, H & D dimensions.

Base Type A	Base Type B	
[A08] Type	[B10] Type	[B12] Type
W : 200 • H : 100 • D : 500 or smaller Type A : Standard • Panel thickness : 0.8mm	W : 300 • H : 225 • D : 400 or smaller Type B : Reinforced • Panel thickness : 1.0mm	W : 500 • H : 250 • D : 500 or smaller Type B : Reinforced • Panel thickness : 1.2mm
		

Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. MBS



Example : W = 122 mm, H = 70 mm, D = 130 mm, A base type in panel thickness of 0.8mm.

Lead time

Custom Size Only	9 business days (1 ~ 3 pcs)
Custom Size + Hole Milling	10 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

MBS Type Chart

Refer to the below chart for A08, B10 or B12 type selection by W, H & D dimensions.

[A08] Type	Standard • Panel thickness : 0.8mm
[B10] Type	Reinforced • Panel thickness : 1.0mm
[B12] Type	Reinforced • Panel thickness : 1.2mm

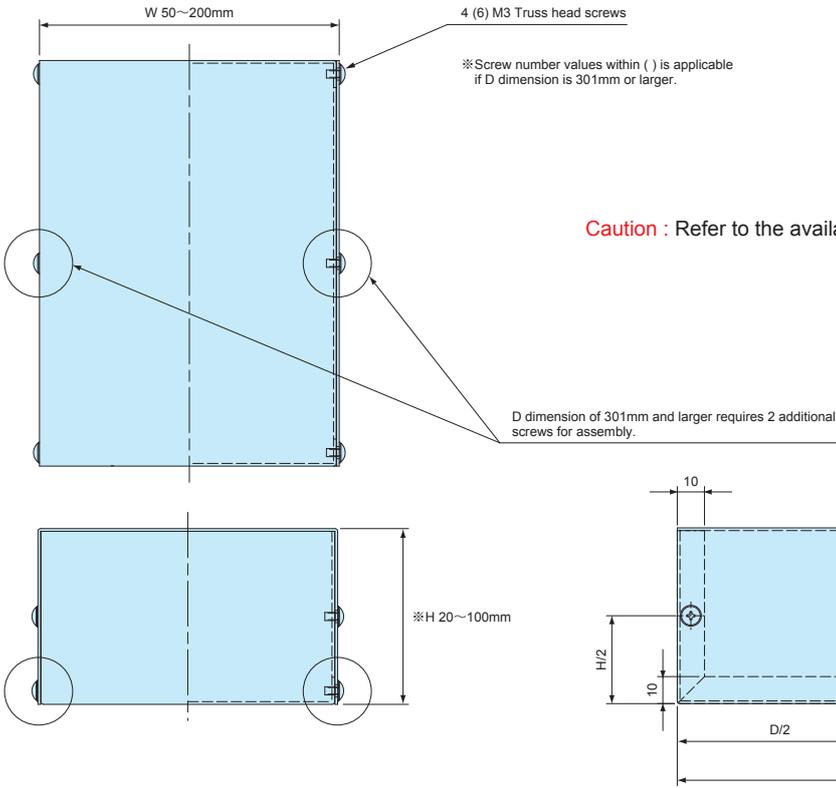
■ [-] sizes are not available.

W	H	D	4 screw fixing points										6 screw fixing points							
			50~79	80~99	100~125	126~150	151~175	176~200	201~225	226~250	251~275	276~300	301~325	326~350	351~375	376~400	401~425	426~450	451~475	476~500
50~99	20~35	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08
	36~50	-	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08
100~150	20~50	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08	A08
	51~75	-	-	A08	A08	A08	A08	A08	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	76~100	-	-	-	A08	A08	A08	A08	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
151~200	20~50	-	A08	A08	A08	A08	A08	A08	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	51~75	-	-	A08	A08	A08	A08	A08	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	76~100	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10								
	101~125	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10							
	126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10						
201~250	20~50	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	51~75	-	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	76~100	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10								
	101~125	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10							
	126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10						
	151~175	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
251~300	20~50	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	51~75	-	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	76~100	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10								
	101~125	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10							
	126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10						
	151~175	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
	176~200	-	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
301~350	20~50	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	51~75	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	76~100	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	101~125	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12						
	151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	201~225	-	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
351~400	20~50	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	51~75	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	76~100	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	101~125	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12						
	151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	201~225	-	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
401~450	20~50	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	51~75	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	76~100	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	101~125	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12						
	151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	201~225	-	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
451~500	20~50	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	51~75	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12								
	76~100	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	101~125	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12							
	126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12						
	151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12
	176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12

MBS dimensions

[A08] Type

Standard • Panel thickness : 0.8mm

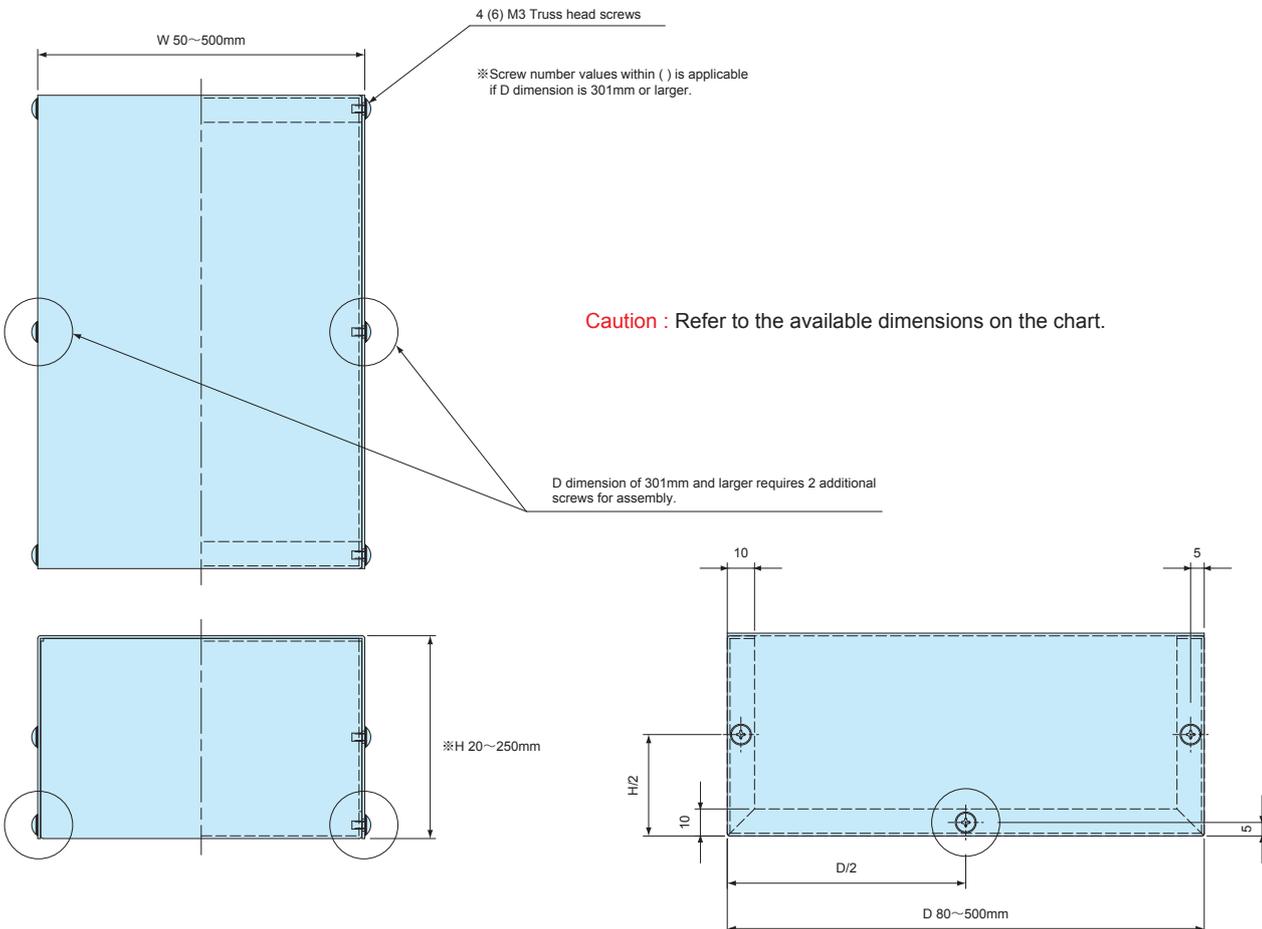


[B10] Type

Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm

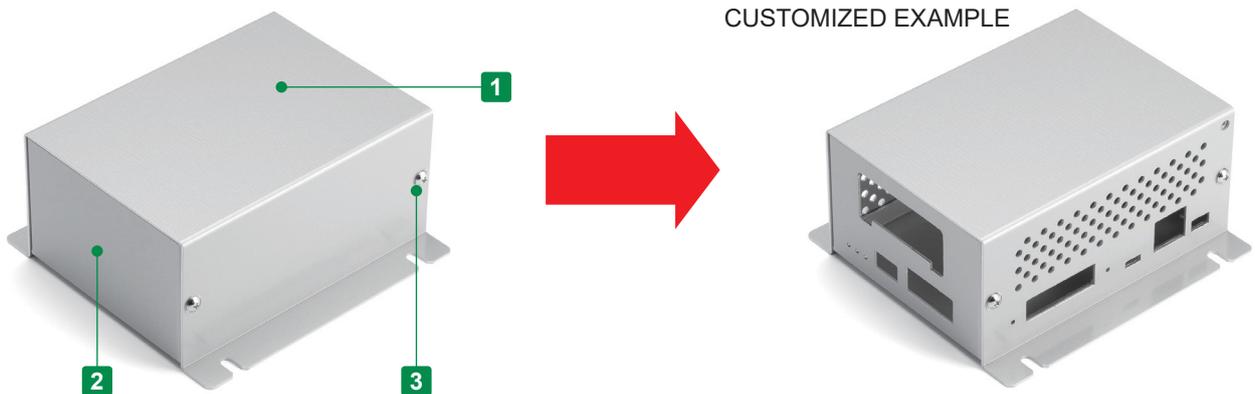


MBCF SERIES

CUSTOM SIZED EXTRUDED ALUMINIUM ENCLOSURE



- Adjustable sizes available in 1mm intervals, with W dimensions from 50 ~ 500mm, D dimensions from 50 ~ 400mm, and H dimensions from 25 ~ 200mm.
- Wall mount flange holes available in 2 models: 2-hole, and 4-hole types.
- A conductive coating is applied onto the internal surface, making earthing possible.

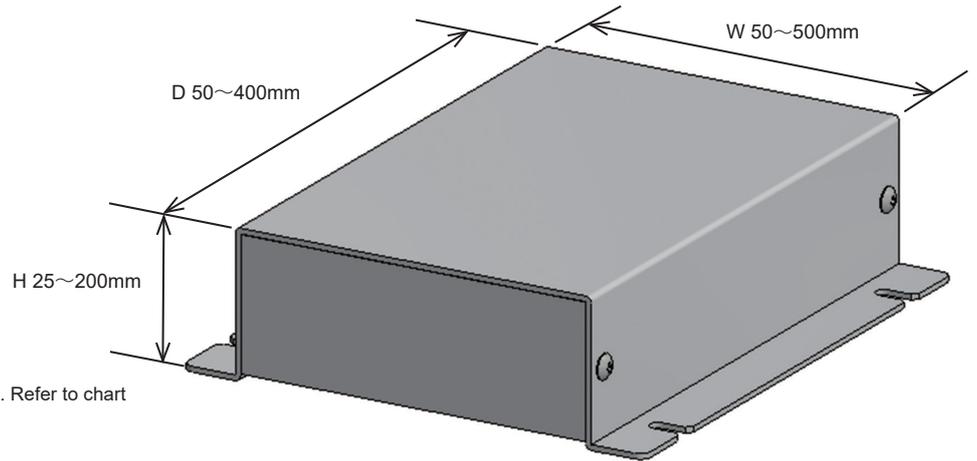


Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Aluminium A1100P	Metallic silver / Painted : Conductive coated internal surface
2	Base	1	Aluminium A1100P	Metallic silver / Painted : Conductive coated internal surface
3	Screw (Truss M3-5)	4 or 6	Brass	Nickel plated

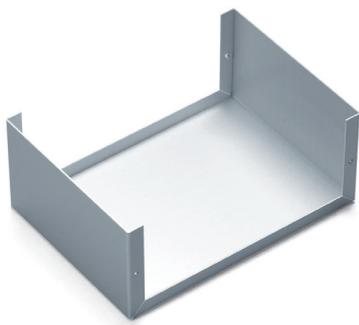
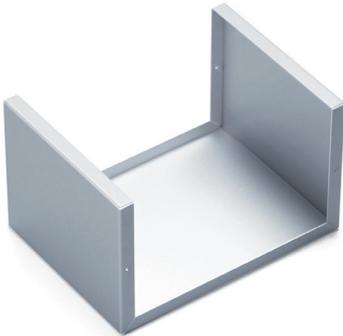
1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution : Not all size combinations are possible. Refer to chart for more information.

- Panel thickness and base types vary by W / H / D dimensions. Refer to the chart on page MBCF-3 for A12, B12 or B15 type selection by W, H & D dimensions.

Base Type A	Base Type B	
[A12] Type	[B12] Type	[B15] Type
W : 200 • H : 100 • D : 400 or smaller Type A : Standard • Panel thickness : 1.2mm	W : 300 • H : 200 • D : 400 or smaller Type B : Reinforced • Panel thickness : 1.2mm	W : 500 • H : 200 • D : 400 or smaller Type B : Reinforced • Panel thickness : 1.5mm
		

2 Select Flange-hole Type



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. MBCF	155	-	80	-	200	Base type	12	-	4
	W		H		D	Base type	Panel thickness		Flange hole

Example : W = 155 mm, H = 80 mm, D = 200 mm, B base type in panel thickness of 1.2mm, 4 flange holes

Lead time

Custom Size Only	5 business days (1 ~ 3 pcs)
Custom Size + Hole Milling	8 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

MBCF Type Chart

Refer to the below chart for A12, B12 or B15 type selection by W, H & D dimensions.

[A12] Type	Standard • Panel thickness : 1.2mm
[B12] Type	Reinforced • Panel thickness : 1.2mm
[B15] Type	Reinforced • Panel thickness : 1.5mm

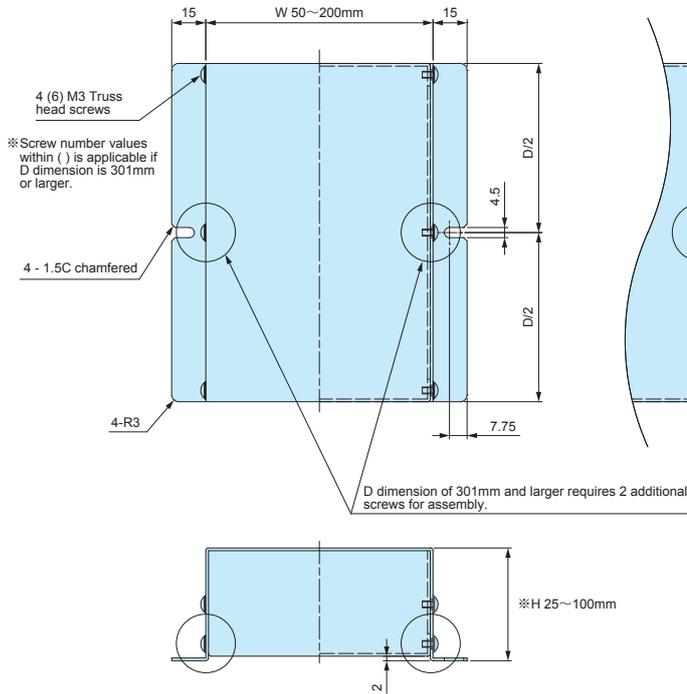
■ [-] sizes are not available.

W	H	D	4x fixing screw points										6x fixing screw points					
			50~74	75~99	100~125	126~150	151~175	176~200	201~225	226~250	251~275	276~300	301~325	326~350	351~375	376~400		
50~99	25~35	36~50	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12		
		25~29	—	A12	A12	A12	A12	A12	A12	B12	B12	B12	B12	—	—	—	—	
100~150	30~50	51~75	—	—	A12	A12	A12	A12	A12	B12	B12	B12	B12	B15	B15	B15	B15	
		76~100	—	—	—	A12	A12	A12	A12	B12	B12	B12	B12	B15	B15	B15	B15	
		25~29	—	A12	A12	A12	A12	A12	A12	B12	B12	B12	B12	—	—	—	—	
		30~50	—	A12	A12	A12	A12	A12	A12	B12	B12	B12	B12	B15	B15	B15	B15	
151~200	51~75	76~100	—	—	—	B12	B15	B15	B15	B15								
		101~125	—	—	—	—	B12	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
		25~29	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	—	—	—	—	
		30~50	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
201~250	51~75	76~100	—	—	—	B12	B15	B15	B15	B15								
		101~125	—	—	—	—	B12	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B12	B12	B12	B12	B12	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B12	B12	B12	B12	B15	B15	B15	B15	
		25~29	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	—	—	—	—	
		30~50	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
251~300	51~75	76~100	—	—	—	B12	B15	B15	B15	B15								
		101~125	—	—	—	—	B12	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B12	B12	B12	B12	B12	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B12	B12	B12	B12	B15	B15	B15	B15	
		30~50	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	—	—	—	—	
		30~50	—	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B15	B15	B15	B15	
301~350	51~75	76~100	—	—	—	—	B15	B15	B15	B15	B15							
		101~125	—	—	—	—	B15	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	
		30~50	—	—	—	—	B15	B15	B15	B15	B15	B15						
		51~75	—	—	—	—	B15	B15	B15	B15	B15	B15						
351~400	51~75	76~100	—	—	—	—	B15	B15	B15	B15	B15							
		101~125	—	—	—	—	B15	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	
		30~50	—	—	—	—	B15	B15	B15	B15	B15	B15						
		51~75	—	—	—	—	B15	B15	B15	B15	B15	B15						
401~450	51~75	76~100	—	—	—	—	B15	B15	B15	B15	B15							
		101~125	—	—	—	—	B15	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	
		30~50	—	—	—	—	B15	B15	B15	B15	B15	B15						
451~500	51~75	76~100	—	—	—	—	B15	B15	B15	B15	B15							
		101~125	—	—	—	—	B15	B15	B15	B15	B15							
		126~150	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		151~175	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	B15	
		176~200	—	—	—	—	—	—	—	B15	B15	B15	B15	B15	B15	B15	B15	
		30~50	—	—	—	—	B15	B15	B15	B15	B15	B15						

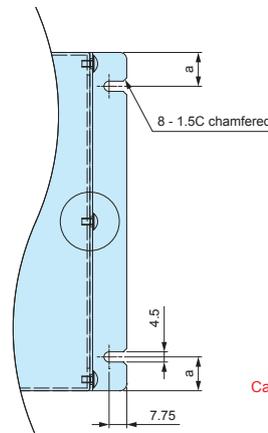
MBCF dimensions

[A12] Type Standard • Panel thickness : 1.2mm

2-hole flange type

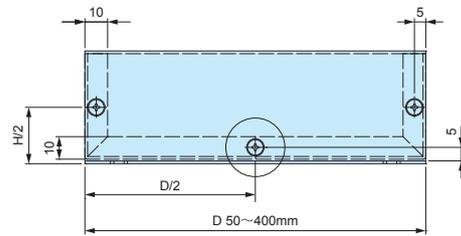


4-hole flange type



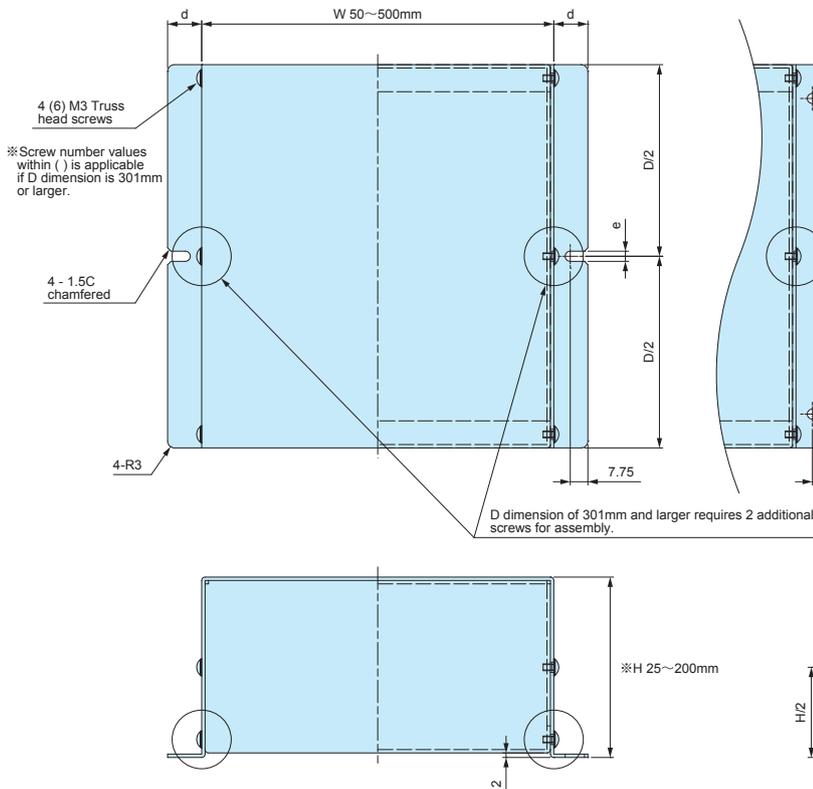
D dimension	a
50 ~ 60	10
61 ~ 140	15
141 ~ 240	20
241 ~ 400	30

Caution : Refer to the available dimensions on the chart.

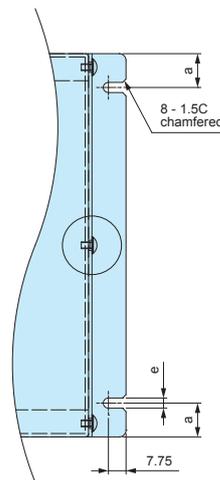


[B12] Type Reinforced • Panel thickness : 1.2mm

2-hole flange type



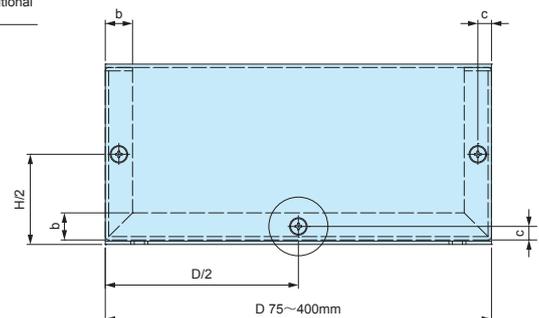
4-hole flange type



D dimension	a
50 ~ 60	10
61 ~ 140	15
141 ~ 240	20
241 ~ 400	30

Base Type	b	c	d	e
[B12]	10	5	15	4.5
[B15]	12	6	20	5.5

Caution : Refer to the available dimensions on the chart.



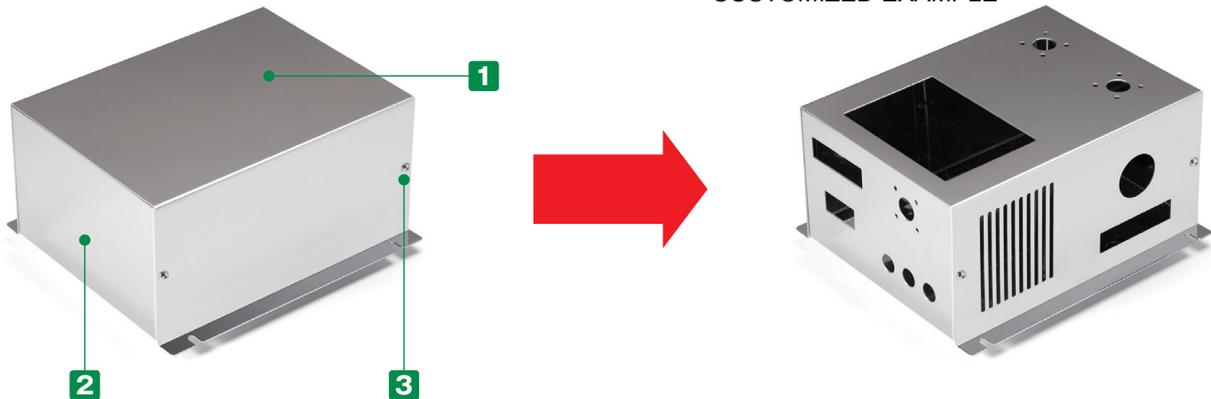
MBSF SERIES

CUSTOM SIZED FLANGED STAINLESS STEEL ENCLOSURE



- Adjustable sizes available in 1mm intervals, with W dimensions from 50 ~ 500mm, D dimensions from 50 ~ 400mm, and H dimensions from 20 ~ 250mm.
- Wall mount flange holes available in 2 models: 2-hole, and 4-hole types.
- SUS304 stainless steel allows the enclosure to be conductive.

CUSTOMIZED EXAMPLE

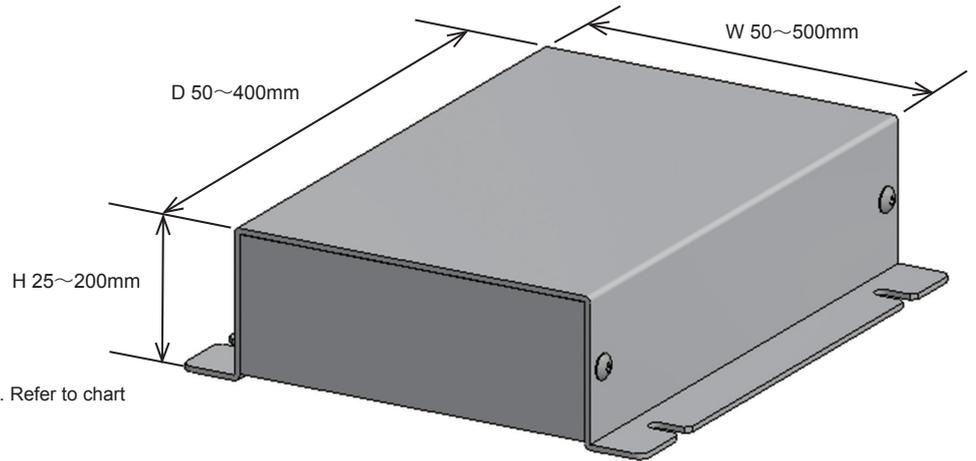


Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304	Bright annealed (BA)
2	Base	1	Stainless steel SUS304	Bright annealed (BA)
3	Screw (Truss M3-5)	4 or 6	Stainless steel	Unfinished

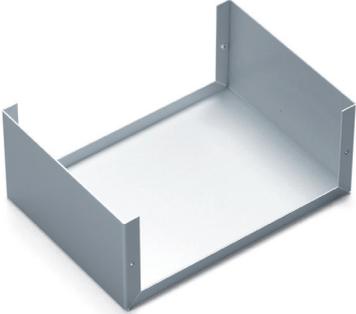
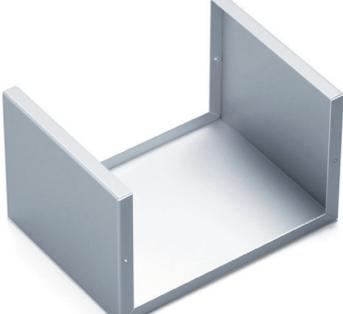
1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution : Not all size combinations are possible. Refer to chart for more information.

■ Panel thickness and base types vary by W / H / D dimensions.
Refer to the chart on page MBS-3 for A08, B10 or B12 type selection by W, H & D dimensions.

Base Type A	Base Type B	
[A10] Type	[B10] Type	[B12] Type
W : 200 • H : 100 • D : 400 or smaller Type A : Standard • Panel thickness : 1.0mm	W : 300 • H : 200 • D : 400 or smaller Type B : Reinforced • Panel thickness : 1.0mm	W : 500 • H : 200 • D : 400 or smaller Type B : Reinforced • Panel thickness : 1.2mm
		

2 Select Flange-hole Type



2 (1 on each side)



4 (2 on each side)

Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. MBSF 155 - 80 - 200 A 10 - 4

W
H
D
Base type
Panel thickness
Flange hole

Example : W = 155 mm, H = 80 mm, D = 200 mm, A base type in panel thickness of 1.0mm, 4 flange holes

Lead time

Custom Size Only 9 business days (1 ~ 3 pcs)
 Custom Size + Hole Milling 10 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

MBSF Type Chart

Refer to the below chart for A10, B10 or B12 type selection by W, H & D dimensions.

[A10] Type	Standard • Panel thickness : 1.0mm
[B10] Type	Reinforced • Panel thickness : 1.0mm
[B12] Type	Reinforced • Panel thickness : 1.2mm

■ [-] sizes are not available.

W	H	D	4x fixing screw points										6x fixing screw points			
			50~74	75~99	100~125	126~150	151~175	176~200	201~225	226~250	251~275	276~300	301~325	326~350	351~375	376~400
50~99	25~35	36~50	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
		25~29	-	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
100~150	30~50	51~75	-	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
		76~100	-	-	-	A10	A10	A10	A10							
		25~29	-	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
		30~50	-	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10	A10
151~200	51~75	76~100	-	-	-	B10	B10	B10								
		101~125	-	-	-	-	B10	B10	B10							
		126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	
		25~29	-	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10	B10
201~250	30~50	51~75	-	-	-	B10	B10	B10								
		76~100	-	-	-	-	B10	B10	B10							
		101~125	-	-	-	-	B10	B10	B10							
		126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	
		151~175	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	
		176~200	-	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	
251~300	30~50	51~75	-	-	-	B10	B10	B10								
		76~100	-	-	-	-	B10	B10	B10							
		101~125	-	-	-	-	B10	B10	B10							
		126~150	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	B10	
		151~175	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	B10	
		176~200	-	-	-	-	-	-	-	B10	B10	B10	B10	B10	B10	
301~350	30~50	51~75	-	-	-	-	B12	B12	B12							
		76~100	-	-	-	-	B12	B12	B12							
		101~125	-	-	-	-	B12	B12	B12							
		126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	
		151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	
		176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	
351~400	30~50	51~75	-	-	-	-	B12	B12	B12							
		76~100	-	-	-	-	B12	B12	B12							
		101~125	-	-	-	-	B12	B12	B12							
		126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	
		151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	
		176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	
401~450	30~50	51~75	-	-	-	-	B12	B12	B12							
		76~100	-	-	-	-	B12	B12	B12							
		101~125	-	-	-	-	B12	B12	B12							
		126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	
		151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	
		176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	
451~500	30~50	51~75	-	-	-	-	B12	B12	B12							
		76~100	-	-	-	-	B12	B12	B12							
		101~125	-	-	-	-	B12	B12	B12							
		126~150	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	B12	
		151~175	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	B12	
		176~200	-	-	-	-	-	-	-	B12	B12	B12	B12	B12	B12	

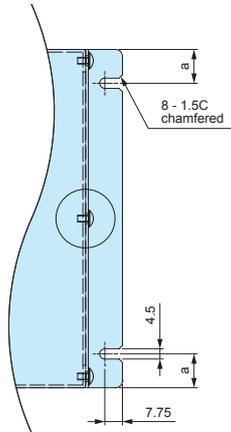
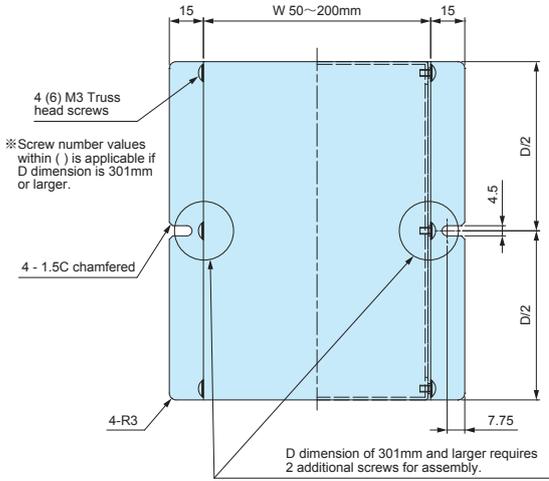
MBSF dimensions

[A10] Type

Standard • Panel thickness : 1.0mm

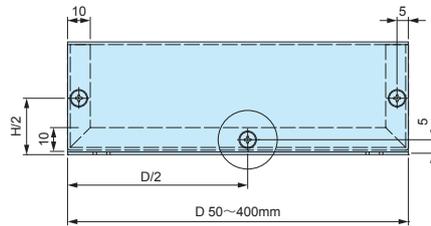
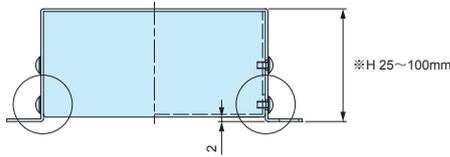
2-hole flange type

4-hole flange type



D dimension	a
50 ~ 60	10
61 ~ 140	15
141 ~ 240	20
241 ~ 400	30

Caution : Refer to the available dimensions on the chart.



[B10] Type

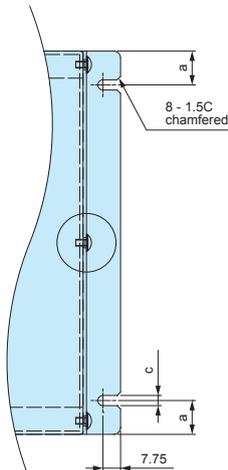
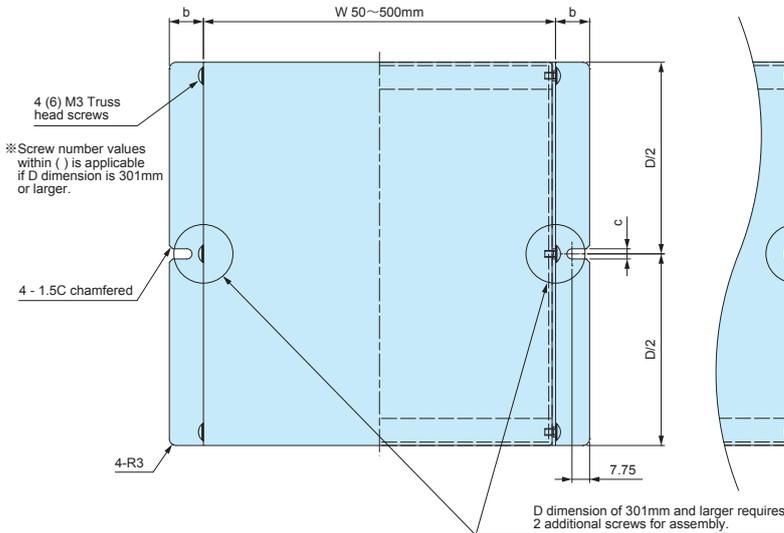
Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm

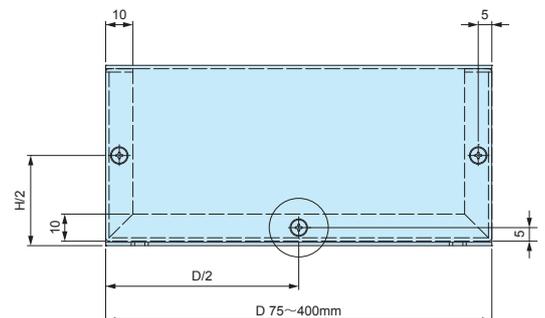
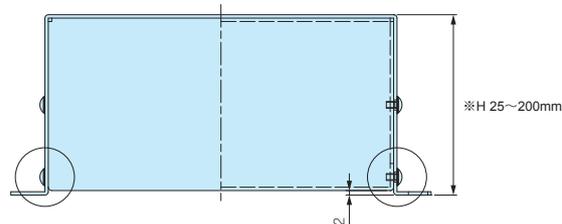
2-hole flange type

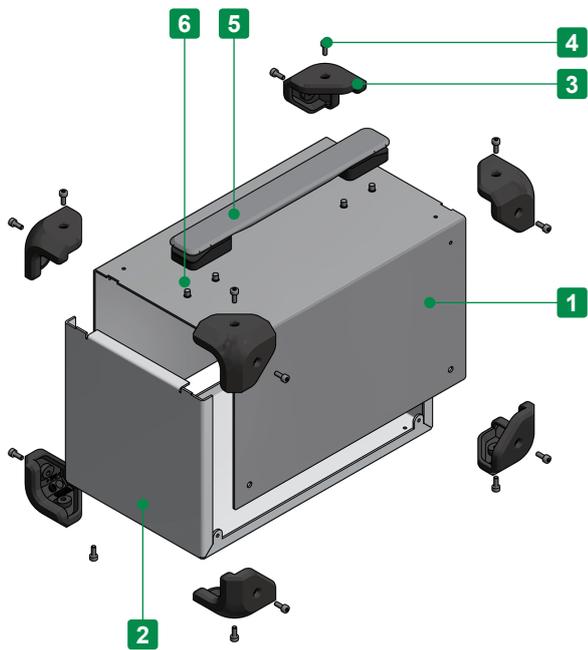
4-hole flange type



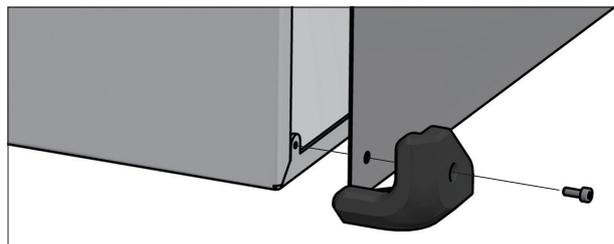
D dimension	a	b	c
50 ~ 60	10	15	4.5
61 ~ 140	15	15	4.5
141 ~ 240	20	15	4.5
241 ~ 400	30	20	5.5

Caution : Refer to the available dimensions on the chart.





- Custom sized aluminium case with shockproof and anti-slip elastomer corner guards.
- Adjustable sizes available in 1mm intervals, with W dimension from 150 ~ 500mm, D dimension from 150 ~ 400mm, and H dimension from 80 ~ 250mm.
- Corner guards are available in 4 different color variations.
- Customizable with, and without carrying handles.
- A conductive coating is applied onto the internal surface, allowing it to be conductive.
- Aluminium case and corner guard with screw fastening.



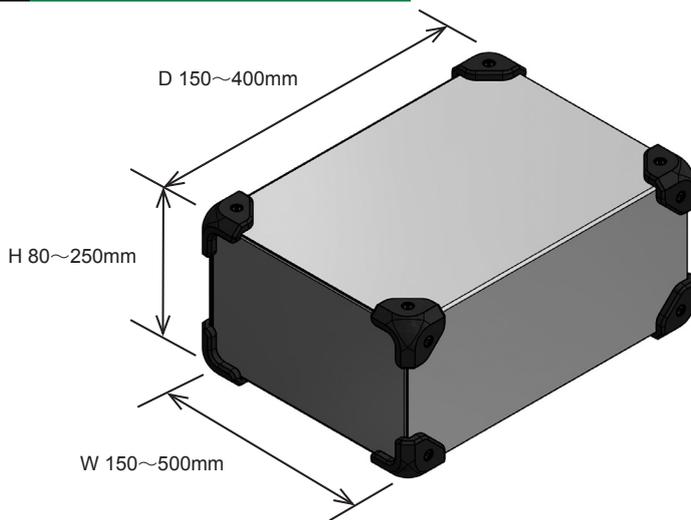
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top Cover	1	Aluminium A1100P t=1.5	Metallic silver / Painted : Conductive coated internal surface
2	Base	1	Aluminium A1100P t=1.5	Metallic silver / Painted : Conductive coated internal surface
3	Corner guard	8	TPE	Black • Gray • Navy • Red
4	Case / Corner guard screw (Hexagonal M4-8)	16/18/20	Steel	Black trivalent chromate
5	Carrying handle	1	PU • PA6 • ABS • Steel	Black • Gray
6	Carrying handle screw (M5-8)	4	Steel	Trivalent chromate

- Hexagonal wrench included.
- No. 5 and 6 are available for carrying handle types only.

1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution

- W / H / D dimensions are external dimensions of stainless steel case only.
(Exclude corner guard dimensions)
- Refer to the chart on page MCGF-3 for available dimensions.
- Carrying handle is set to the center of top face.
(Carrying handle is not available for D length of 224mm and smaller.)

2 Select Color Type

Code	S B Silver / Black	S G Silver / Gray	S N Silver / Navy	S R Silver / Red
Color				

3 Select Handle Type

- Carrying handle model is not available for D length of 224mm and smaller.

Black handle B

Gray handle G

No handle N



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. MCGF

- -

W H D

-

Color code Handle Type

Example : W = 186 mm, H = 152 mm, D = 245 mm, Silver / Navy color, with Gray handle

MCGF 186 - 152 - 245 SN - G

Lead time

Custom Size Only
Custom Size + Hole Milling

7 business days (1 ~ 3 pcs)
10 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

MCGF Size Chart

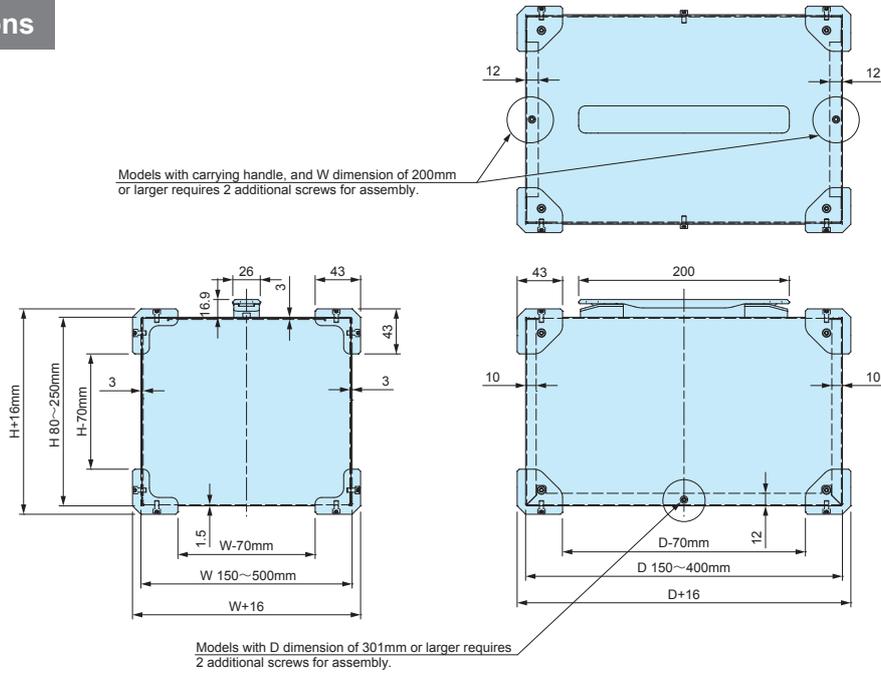
Refer to the below chart for available sizes.

- [-] sizes are not available.
- Models with carrying handle, and W dimension of 200mm or larger requires 2 additional screws for assembly.

W	H	D	16 screw fixing points						18 screw fixing points			
			150~174	175~199	200~224	225~249	250~274	275~299	300~324	325~349	350~374	375~400
150~199	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
200~249	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
250~299	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
300~349	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
350~399	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
400~449	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
450~500	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
		225~250		-	-	-	-	-	○	○	○	○

- Carrying handle model is not available for D length of 224mm and smaller.

MCGF dimensions



CUSTOMIZATION EXAMPLE

PUNCH PRESS



INKJET PRINTING

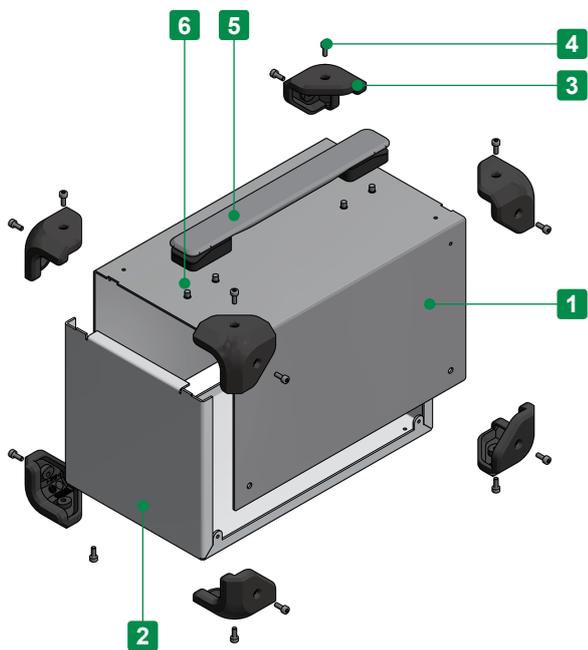


SELF CLINCHING STANDOFF

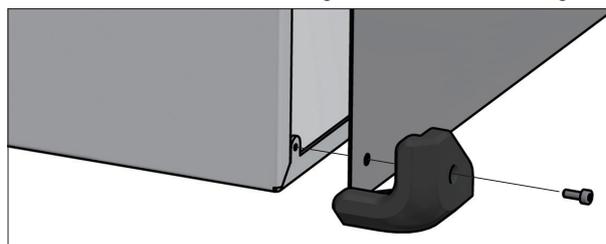




Conductive



- Adjustable sizes available in 1mm intervals, with W dimension from 150 ~ 500mm, D dimension from 150 ~ 400mm, and H dimension from 80 ~ 250mm.
- Custom sized stainless steel case with shockproof and anti-slip elastomer corner guards.
- Corner guards are available in 4 different color variations.
- Customizable with, and without carrying handles.
- SUS304 stainless steel allows the enclosure to be conductive.
- Stainless steel case and corner guard with screw fastening.



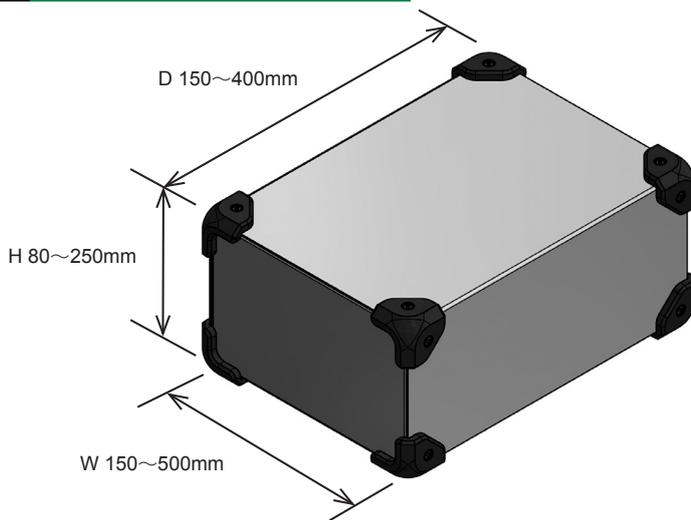
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top Cover	1	Stainless steel SUS304	Bright annealed (BA)
2	Base	1	Stainless steel SUS304	Bright annealed (BA)
3	Corner guard	8	TPE	Black • Gray • Navy • Red
4	Case / Corner guard screw (Hexagonal M4-8)	16 / 18 / 20	Stainless steel	Unfinished
5	Carrying handle	1	PU • PA6 • ABS • Steel	Black • Gray
6	Carrying handle screw (M5-8)	4	Steel	Trivalent chromate

- Hexagonal wrench included.
- No. 5 and 6 are available for carrying handle types only.

1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution

- W, H and D dimensions are external dimensions of stainless steel case only. (Exclude corner guard dimensions)
- Refer to the chart on page MCGS-3 for available dimensions.
- Carrying handle is set to the center of top face. (Carrying handle is not available for D length of 224mm and smaller.)

2 Select Color Type

Code	B Black	G Gray	N Navy	R Red
Color				

3 Select Handle Type

- Carrying handle model is not available for D length of 224mm and smaller.

Black handle **B**



Gray handle **G**



No handle **N**



Confirm Product No.

Confirm an assigned product number in the following order format as below.

Product no. MCGS

- - -
W **H** **D** **Color code** **Handle Type**

Example : W = 222 mm, H = 111 mm, D = 333 mm, Red color Corner Guard with Black handle

MCGS 222 - 111 - 333 R - B

Lead time

Custom Size Only
Custom Size + Hole Milling

9 business days (1 ~ 10 pcs)
10 business days (1 ~ 10 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

MCGS Size Chart

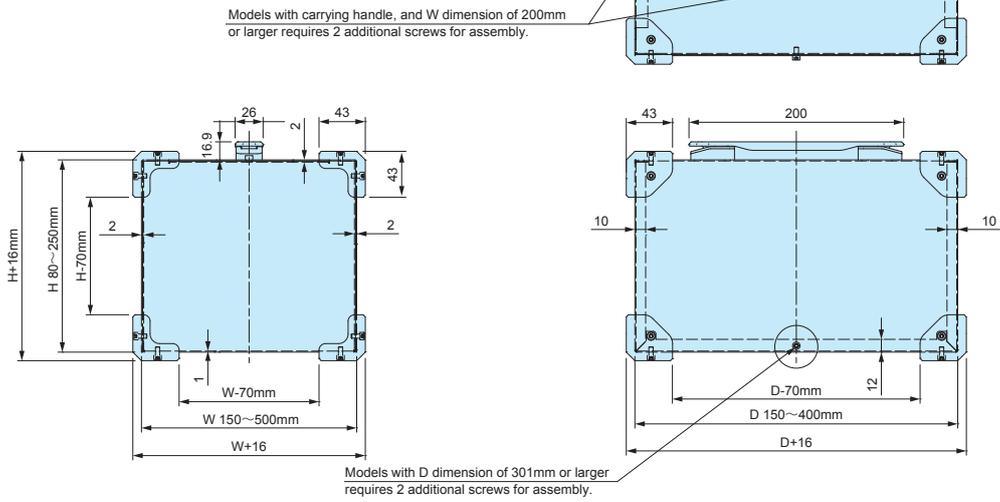
Refer to the below chart for available sizes.

- [-] sizes are not available.
- Models with carrying handle, and W dimension of 200mm or larger requires 2 additional screws for assembly.

W	H	D	16 screw fixing points						18 screw fixing points			
			150~174	175~199	200~224	225~249	250~274	275~299	300~324	325~349	350~374	375~400
150~199	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
200~249	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
250~299	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
300~349	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
350~399	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
400~449	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
	225~250		-	-	-	-	-	○	○	○	○	○
450~500	80~99		○	○	○	○	○	○	○	○	○	○
	100~124		○	○	○	○	○	○	○	○	○	○
	125~149		-	○	○	○	○	○	○	○	○	○
	150~174		-	-	○	○	○	○	○	○	○	○
	175~199		-	-	-	○	○	○	○	○	○	○
	200~224		-	-	-	-	○	○	○	○	○	○
		225~250		-	-	-	-	-	○	○	○	○

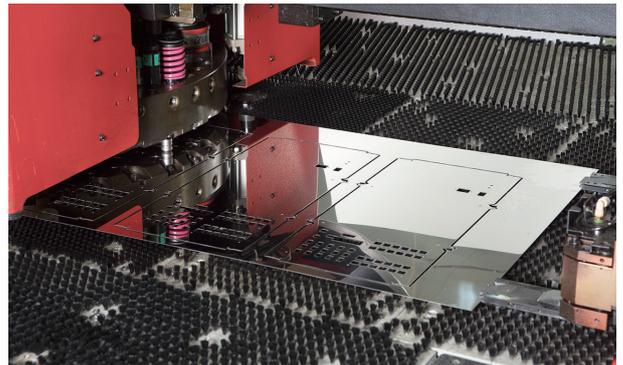
- Carrying handle model is not available for D length of 224mm and smaller.

MCGS dimensions

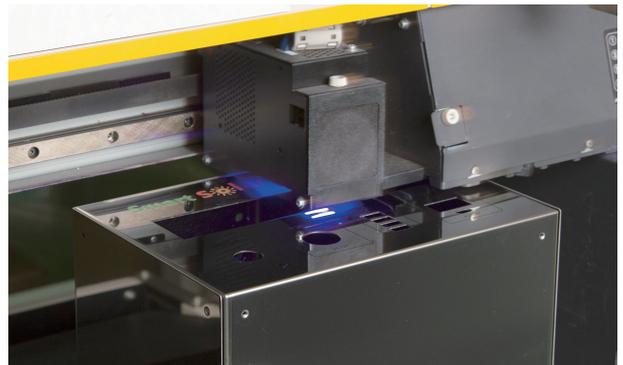


CUSTOMIZATION EXAMPLE

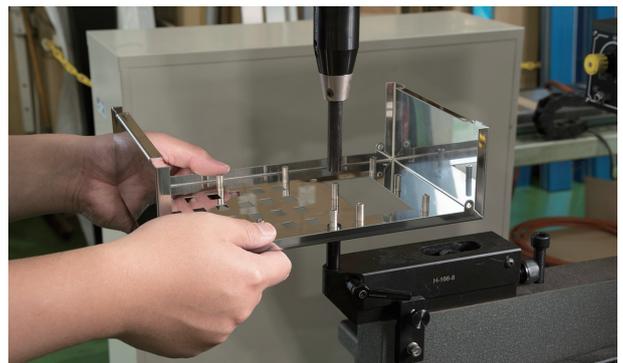
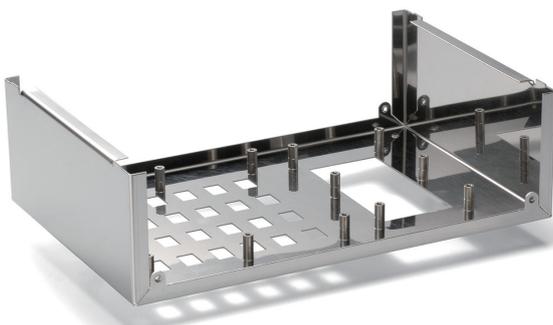
PUNCH PRESS



INKJET PRINTING



SELF CLINCHING STANDOFF



FC series ALUMINIUM CONTROL BOX

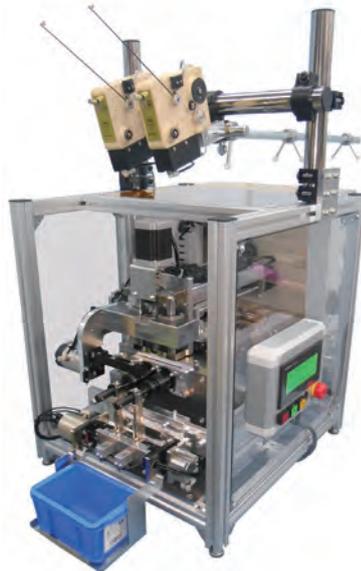
FC and FCW series are applicable for various purposes such as control and switch box, touch panel display, monitor box, and more.

APPLICATION EXAMPLE

Ultrasonic Flow Detector



Coil Winding Machine



Remote Control Logger



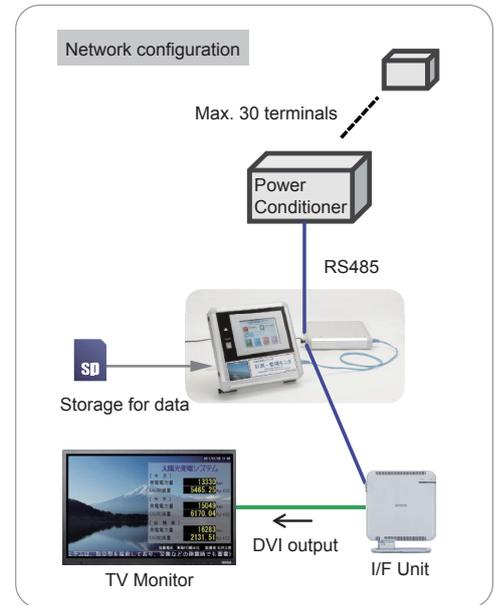
Streaming Video Provider



Linux Data Logger



Solar Monitoring System



4 Channel Edge Node



Active RFID Tag Reader • Trigger



Touch type

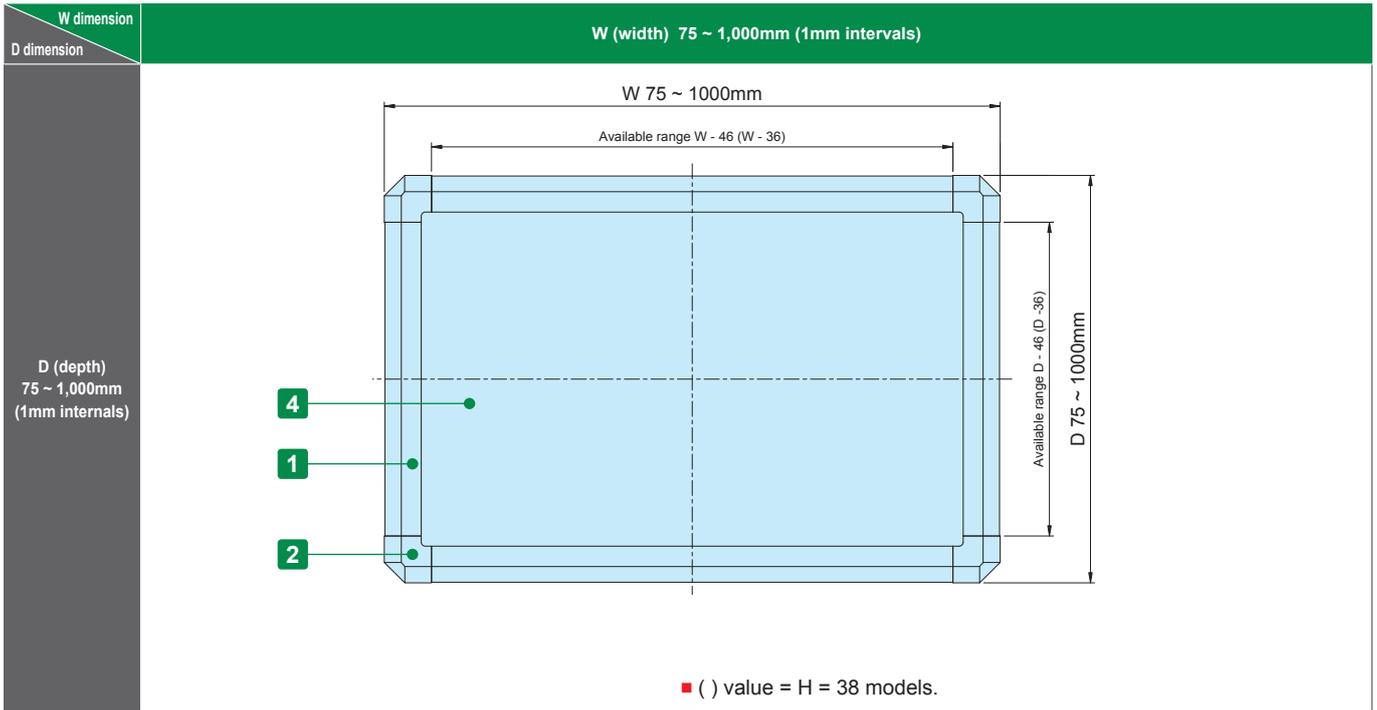


Compact Solar Power Supply

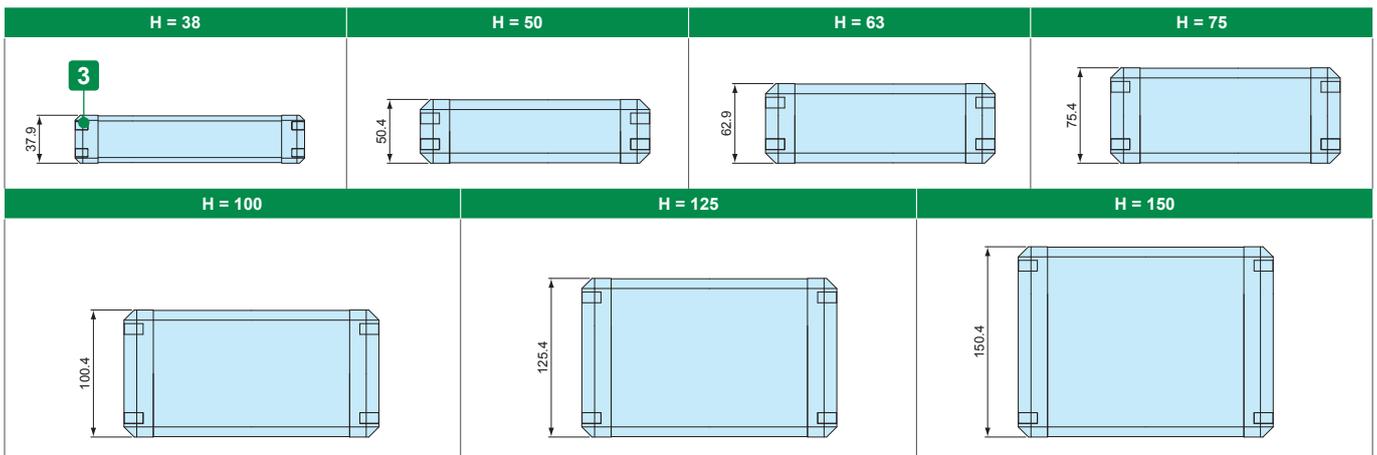


1 Dimensions

■ W (Width) • D (Depth) : To select W and D dimensions from the table below in 1mm intervals.



■ H (Height) : To select frame type from the table below.



2 Color

To select color code from the table below.

Code	GS	BS	BX	BB
Color				

Product Number

To determine a product number, fill W, H, D and select Color code in the following blank boxes.

Product no. FCS - -

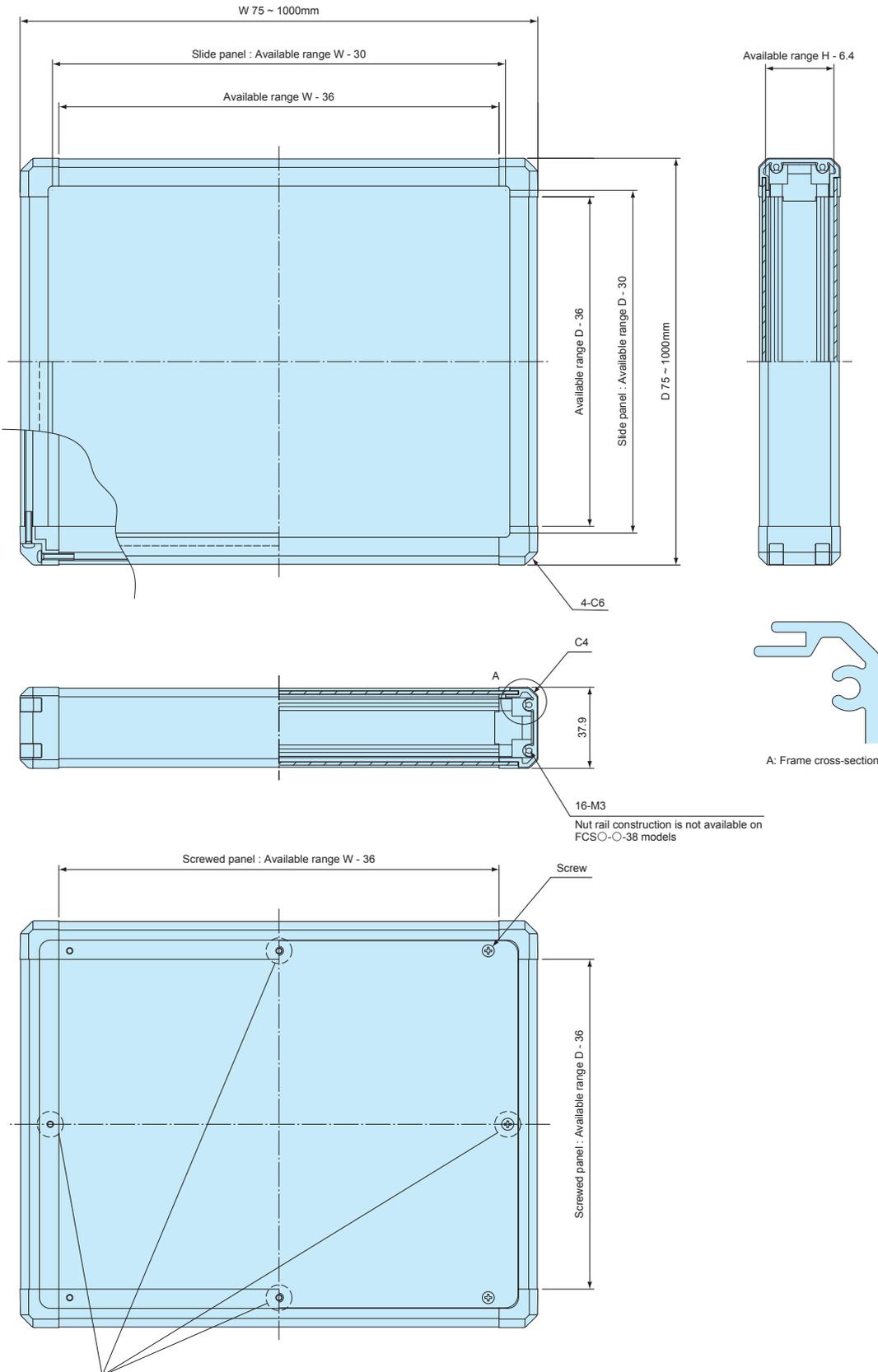
1 W 1 D 1 H 2 Color code

Numbering example: W:770 x D:550 x H:75 and GS color code → **FCS770-550-75GS**

FCS dimensions

■ DXF/DWG/PDF drawings available on our website.

FCS○-○-38

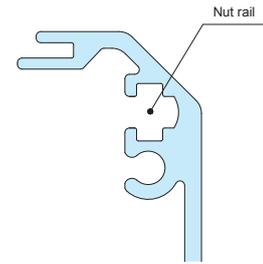
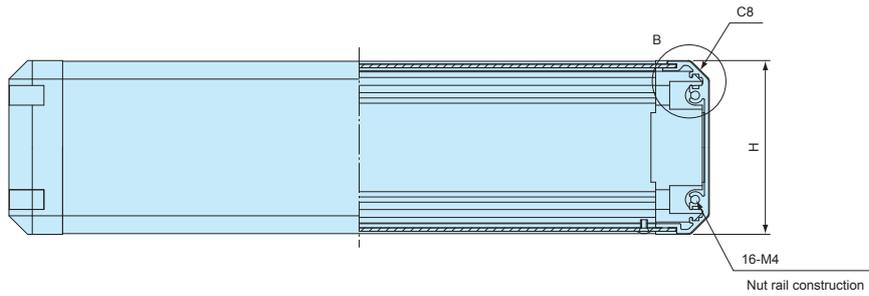
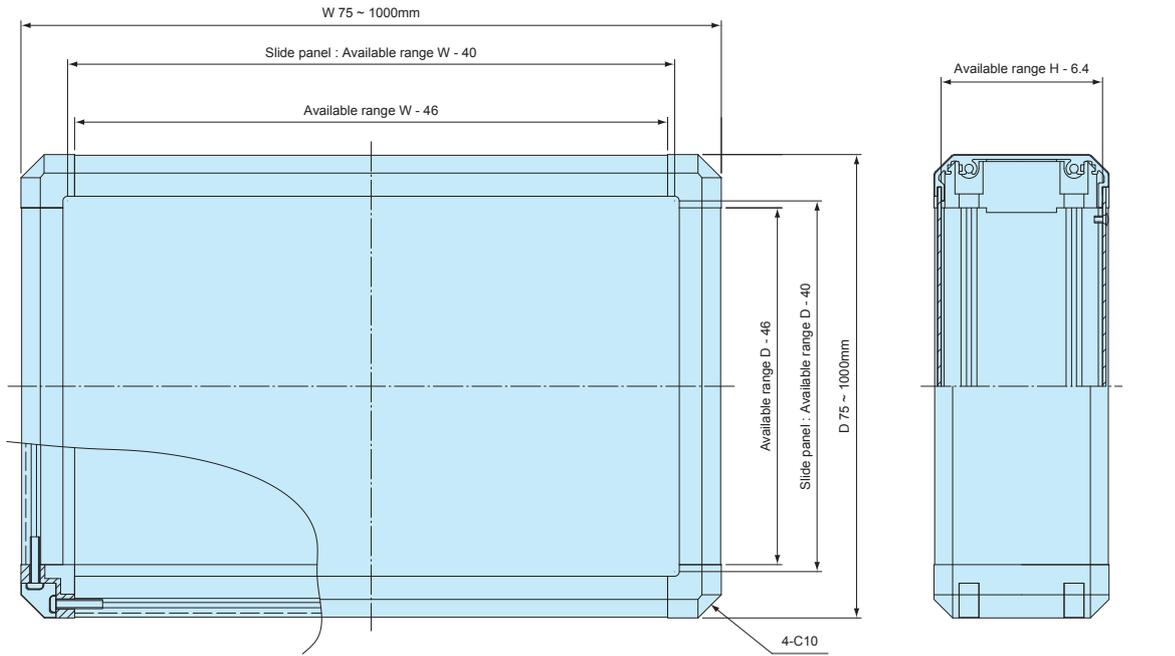


*Note:
 1 set of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 390mm or larger.
 2 sets of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 591mm or larger.

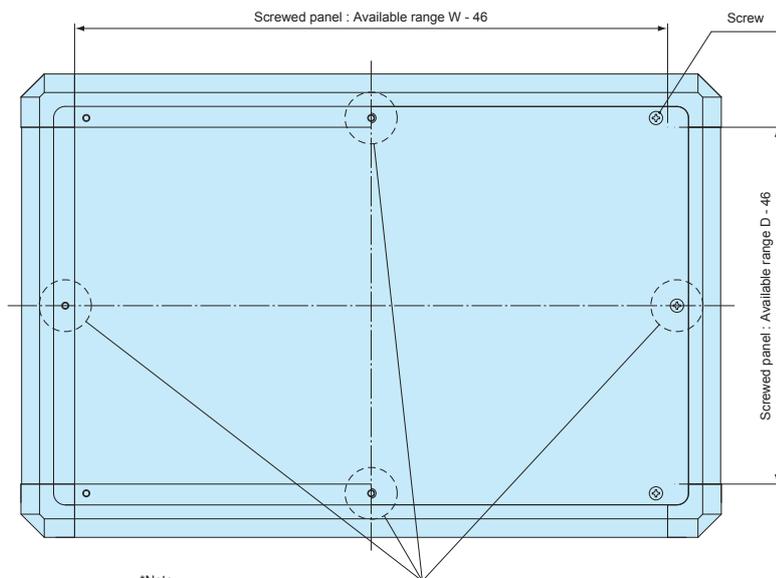
Screw Number Chart for Screwed Panel

W dimension	D dimension		
	75 ~ 389mm	390 ~ 590mm	591 ~ 1000mm
75 ~ 389mm	4	6	8
390 ~ 590mm	6	8	10
591 ~ 1000mm	8	10	12

FCS ○-○-50 FCS ○-○-100
 ○-○-63 ○-○-125
 ○-○-75 ○-○-150



B: Frame cross-section



*Note:
 1 set of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 400mm or larger.
 2 sets of screw holes (on each corresponding side) will be required for assembly if W or D dimension is 601mm or larger.

Screw Number Chart for Screwed Panel

D dimension W dimension	D dimension		
	75 ~ 399mm	400 ~ 600mm	601 ~ 1000mm
75 ~ 399mm	4	6	8
400 ~ 600mm	6	8	10
601 ~ 1000mm	8	10	12

FCWS SERIES

CUSTOM SIZED ALUMINIUM BOX WITH HINGED DOOR



- Custom sized aluminium box with available width from 150 to 400mm, and depth from 150mm to 600mm in 1mm intervals.
- Selectable in 6 different height types: 50, 63, 75, 100, 125 and 150mm.
- Selectable in 2 different color combinations, with Normal type, or with key lock type handle.
- Standard size FCW series are also available (width and depth available in 50mm intervals).



■ See FCW series product pages for more information.

Included screws :
 M4-15 pan head, trivalent chromate x 16 pcs
 M3-5 pan head, trivalent chromate x 2 pcs or 3 pcs
 M3-5 countersunk trivalent chromate x 2 pcs or 3 pcs
 M4-8 trivalent chromate with washer x 2 pcs or 4 pcs
 M4-6 trivalent chromate with washer x 2 pcs or 4 pcs

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	4	Extruded aluminium A6063S-T5	Silver / Anodized
2	Corner block	4	ABS UL94HB	Light gray • Black
3	Blind plug	8	TPE	Light gray • Black
-	Slide panel	1	Aluminium A 1100P t=1.5	Silver / Anodized
4	Open-closing panel	1	Aluminium A 1100P t=2.0	Silver / Anodized
5	Flat handle	1 set	Diecast zinc	Silver / Painted
6	Hinge	1 set	Diecast zinc	Silver / Painted
-	Panel protection pad	6	Polyolefin foam	Black

Confirm Product No.

Confirm product no. with **1**~**3** values on page FCWS-2.

Product no. FCWS

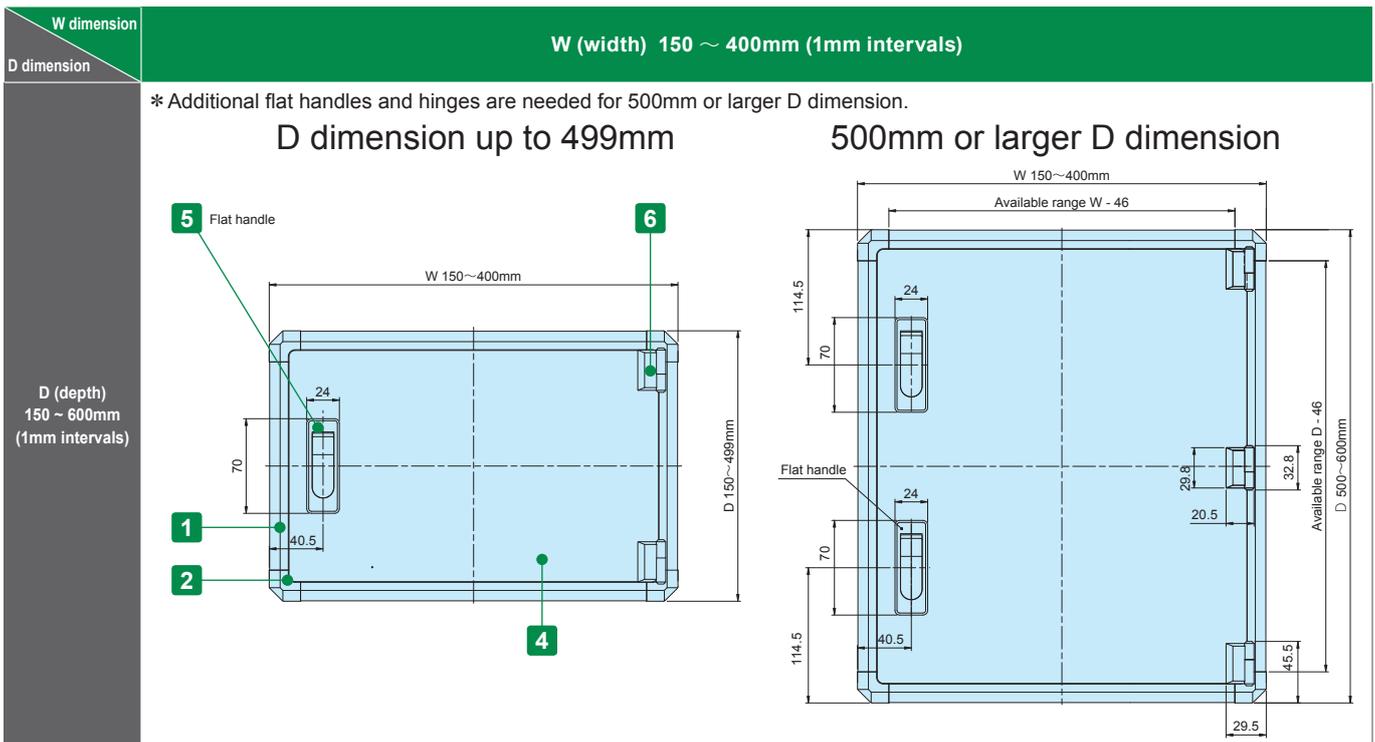
- -
W **D** **H** **Handle Code** **Color Code**

Example : W = 255mm, D = 352 mm, H = 125.4mm, Normal type handle, and GS color.

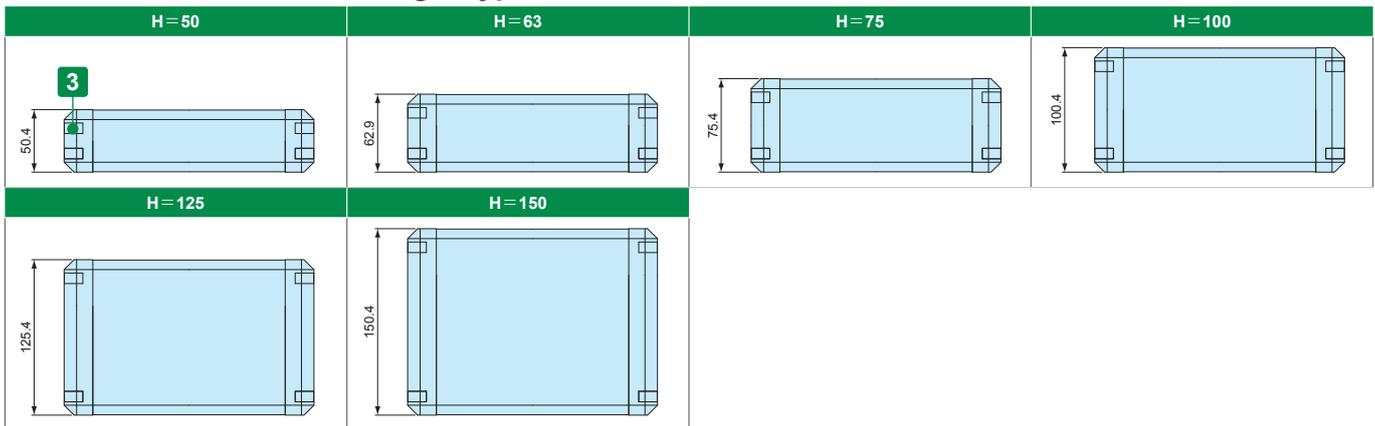
FCWS - -

1 Specify Dimensions

Specify W and D dimensions refer to the below chart and select H (height).

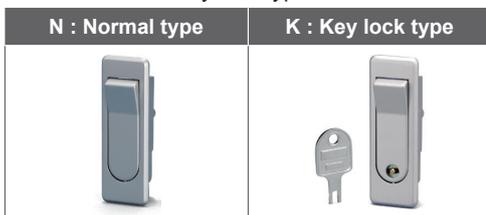


■ Select from 6 available height types.



2 Select Flat Handle Type

Select normal or key lock type



3 Select Color

Select from 2 available colors



Lead time

Custom Size Only
Custom Size + Hole Milling

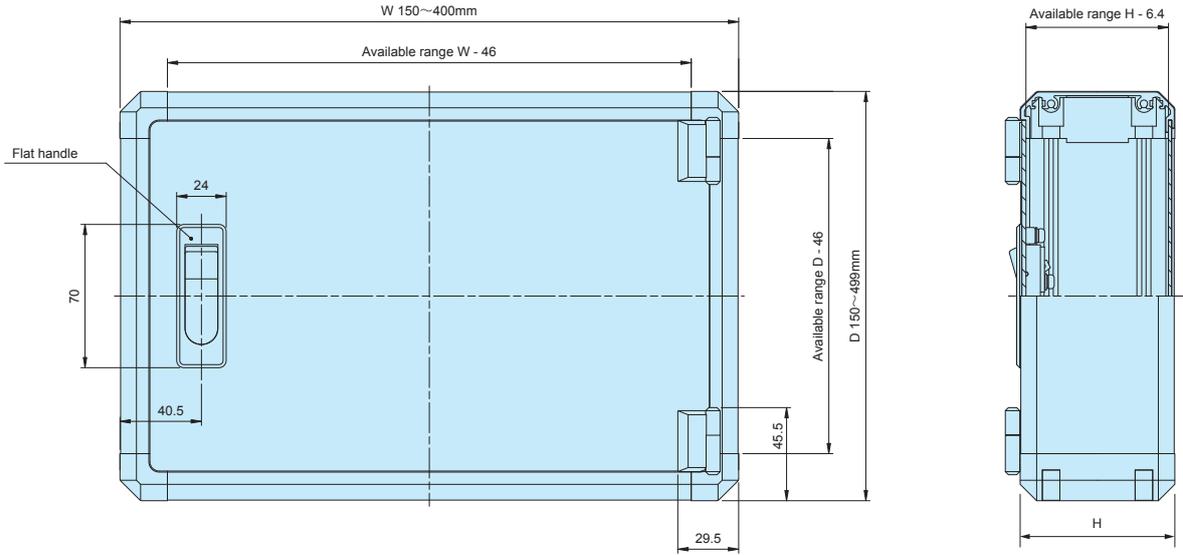
6 business days (1 ~ 5 pcs)
12 business days (1 ~ 5 pcs)

Order Inquiry

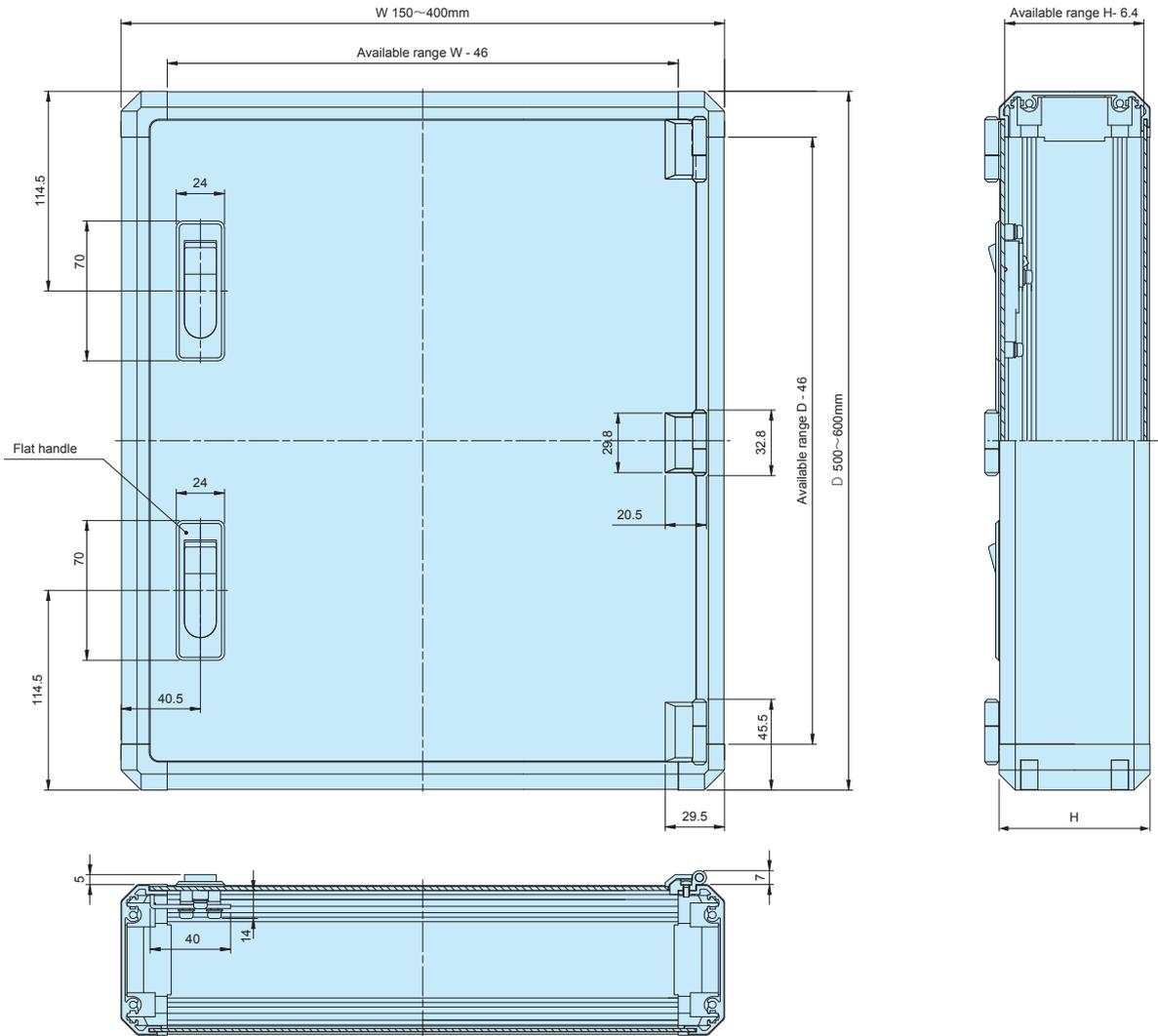
For more information, contact us here at sales@takachi-el.co.jp

FCWS dimensions

Models with D dimension up to 499mm have 2 hinges and 1 flat handle.

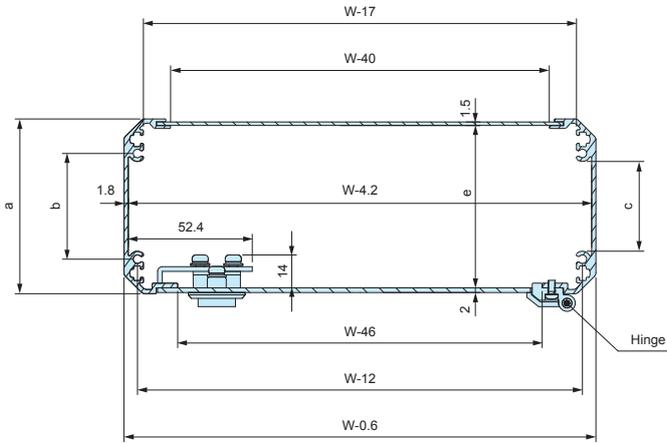


Models with 500mm or larger D dimension have 3 hinges and 2 flat handles.

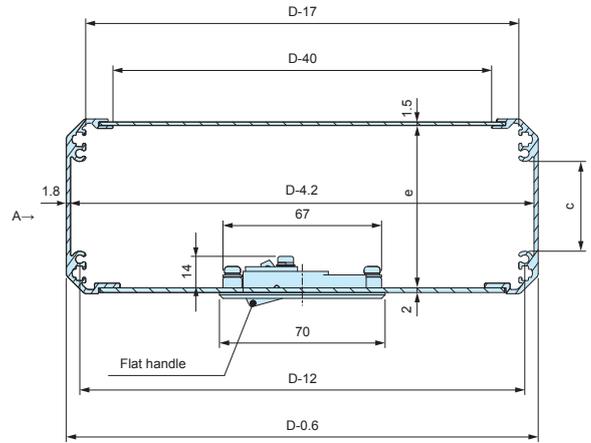


Cross-section Veiw

FCWS



View from W side



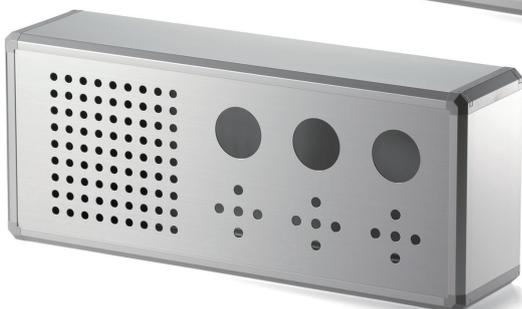
View from D side

H (Box height)	a	b	c	e
50.4	49.4	20	13.2	44
62.9	61.9	32.5	25.7	56.5
75.4	74.4	45	38.2	69
100.4	99.4	70	63.2	94
125.4	124.4	95	88.2	119
150.4	149.4	120	113.2	144

FCS•FCWS SERIES CUSTOM SIZED ALUMINIUM BOX

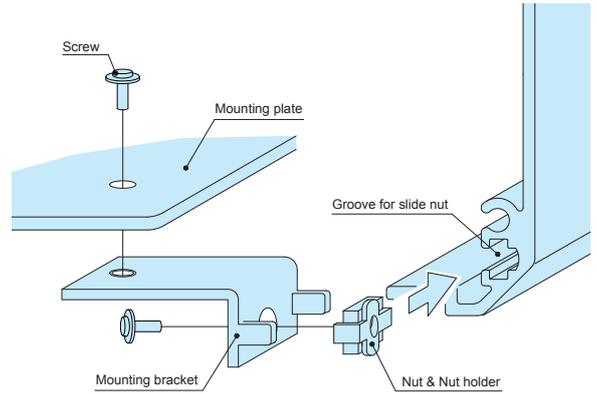
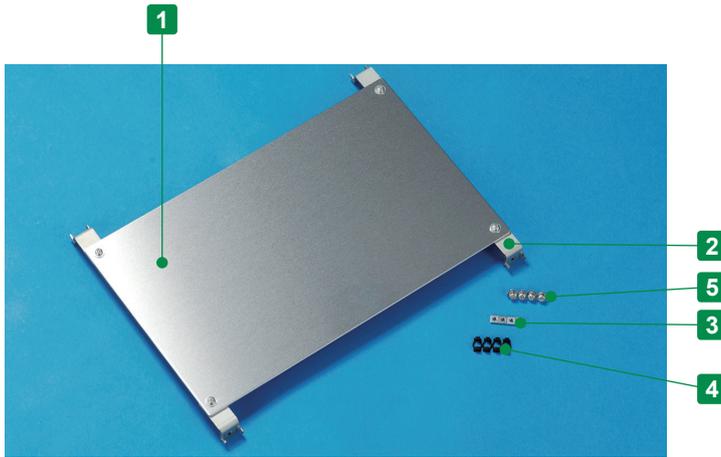
APPLICATION EXAMPLES

Custom sized FCS•FCWS series aluminium box is extremely versatile and can be used in various applications.



FCSC SERIES

CUSTOM SIZED ALUMINIUM MOUNTING PLATE for FCS • FCWS



- Custom sized mounting plate can be made for FCS • FCWS custom sized box.
- Mounting bracket is selectable in 2 types: [1] H = 12mm, or [2] H = 22mm.
- **Not suitable for FCS□-□-38 or FCWS□-□-38 models. (H = 37.9mm)**
- Use 22mm height type when used in the FCWS series, open/close panel side.

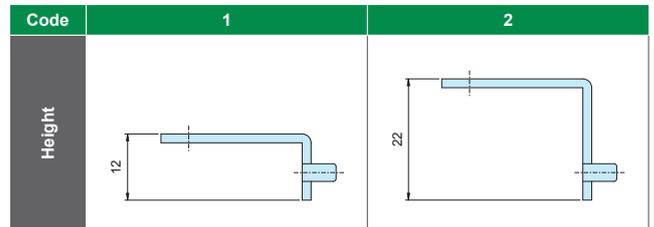
How to assemble

- ① Slide a M3 Nut and Nut holder into the groove on the FCS • FCWS frame.
- ② Screw the mounting bracket into the nut holder.
- ③ Screw the mounting plate onto the mounting bracket.

Components

No.	Part name	Material	Color / Finish
1	Mounting plate	Aluminium A1050P	Unfinished
2	Mounting bracket	Steel SECC	Zinc coated
3	M3 Nut	Steel SPCC	Trivalent chromate
4	Nut holder	POM	Black
5	Screw	Steel M3-6	Trivalent chromate

Select Bracket Height



Confirm Product No. Specify box dimensions and bracket height.

Product no. FCSC - -
 Box W dimension Box D dimension Bracket height
 (1 or 2)

Example : Box W dimension = 450 mm, Box D dimension = 200 mm and Mounting Bracket type [1] H = 12mm.

FCSC - -

Lead time

Custom Size Only 4 business days (1 ~ 10 pcs)
 Custom Size + Hole Milling 8 business days (1 ~ 10 pcs)

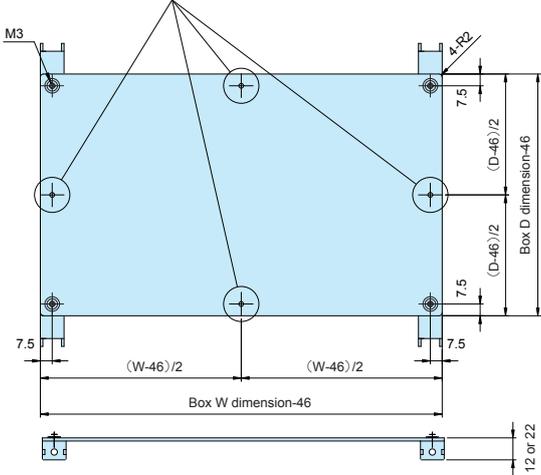
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

FCSC dimensions

Available dimensions range : W = 75~600mm x D = 75~600mm

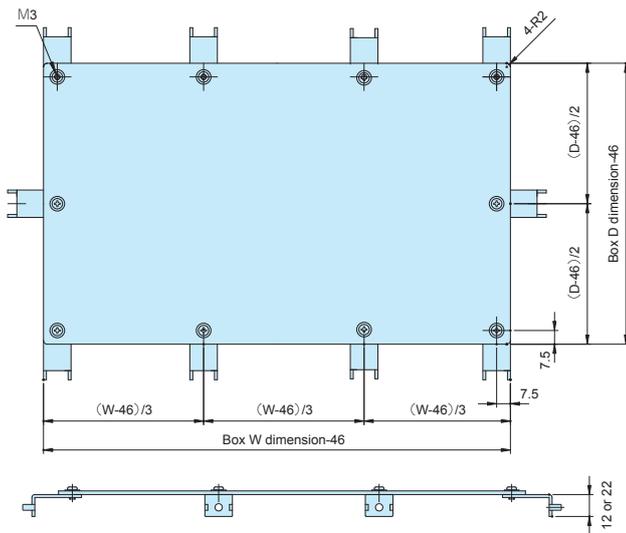
※Caution For W and D dimensions larger than 300mm, 2 additional mounting holes will be added.
For W and D dimensions = 600mm, 4 additional mounting holes will be added.)



Box W dimension	Box D dimension	Number of holes
75~399mm	75~399mm	4
75~399mm	400~600mm	6
400~600mm	75~399mm	6
400~600mm	400~600mm	8

Included screws: M3-6 pan head trivalent chromate with flat washer x 8 or x 16 pcs

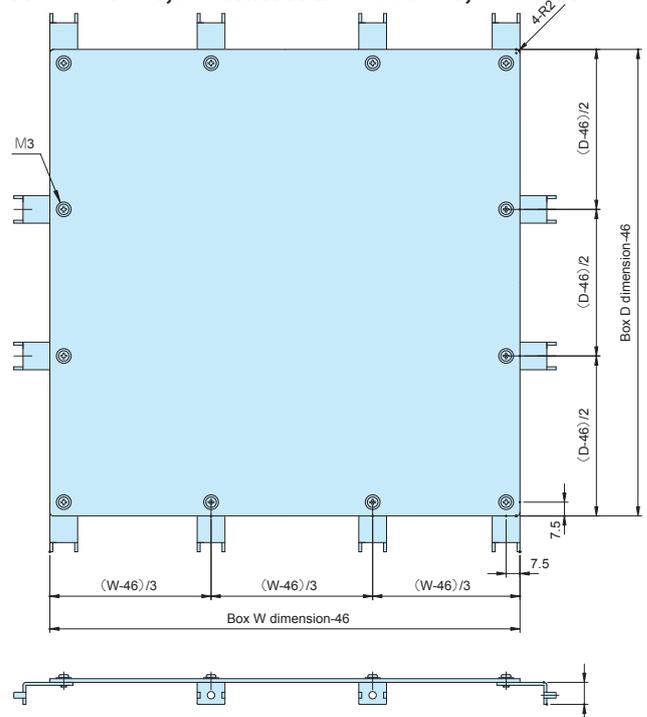
**For W and D dimensions :
W = 400~600mm x D = 601~1,000mm**



Included screws: M3-6 pan head trivalent chromate with flat washer x 20 pcs

Box W dimension	Box D dimension	Number of holes
601~1000mm	400~ 600mm	10
400~ 600mm	601~1000mm	10

**For W and D dimensions :
W = 601~1,000mm x D = 601~1,000mm**



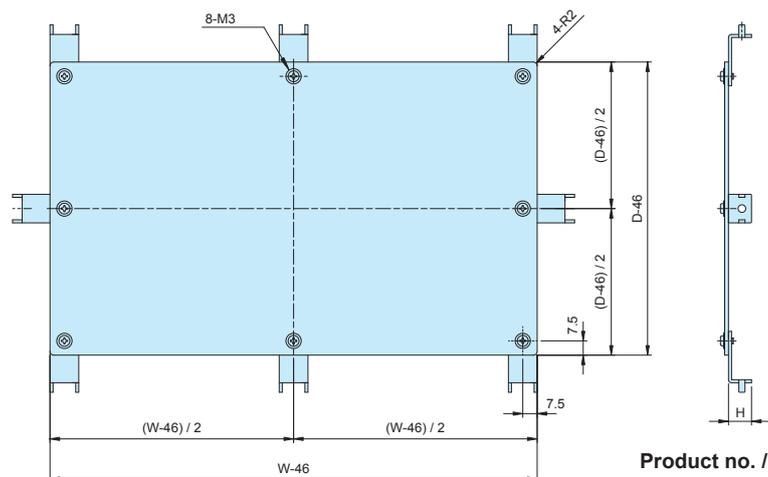
Included screws: M3-6 pan head trivalent chromate with flat washer x 24 pcs

Box W dimension	Box D dimension	Number of holes
601~1000mm	601~1000mm	12

FCC drawings

DXF/DWG/PDF/STP drawings available on our website.

For box size (W x D or D x W) 400/500/600 x 400mm



Product no. / Details

Product no.	H	Box W x D or D x W	Product no.	H	Box W x D or D x W
FCC40-40-1	12	400 x 400	FCC40-40-2	22	400 x 400
FCC50-40-1	12	500 x 400	FCC50-40-2	22	500 x 400
FCC60-40-1	12	600 x 400	FCC60-40-2	22	600 x 400

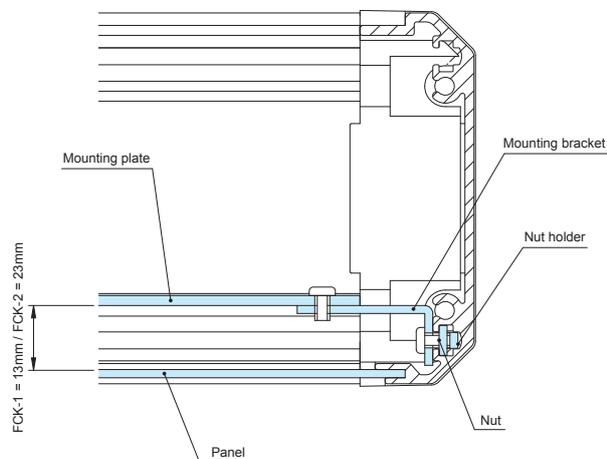
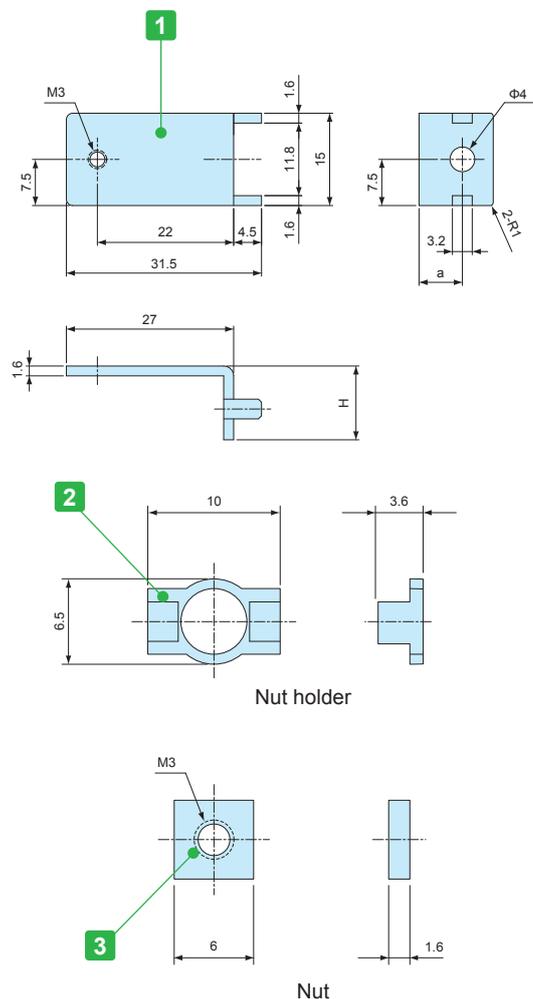
Included screws: M3-6 pan head trivalent chromate with flat washer x 16 pcs

Accessories (Optional parts)

FCK series MOUNTING BRACKET

FCK drawings

DXF/DWG/PDF drawings available on our website.



- 2 mounting brackets for PCB or DIN-Rail.
- FCK mounting bracket comes with FCC mounting plate. Additional FCK is not required when purchasing FCC series.
- Not suitable for FC4 (H = 37.9mm).

Components

No.	Part name	Material	Color / Finish
1	Mounting bracket	Steel SECC t=1.6	Zinc coated
2	Nut holder	POM	Black
3	M3 nut	Steel SPCC t=1.6	Trivalent chromate

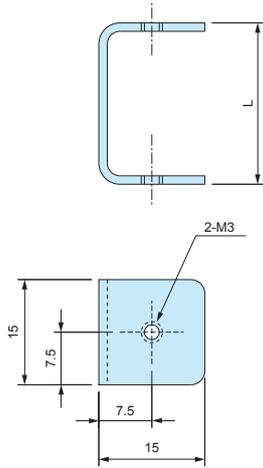
Product no. / Details

Product no.	H	a	Pack of
FCK-1	12	7	10
FCK-2	22	17	10

Included screws: M3-6 pan head trivalent chromate with flat washer x 20 pcs

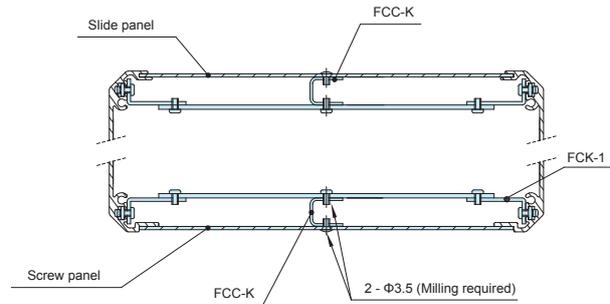
FCC-K SERIES

MOUNTING PLATE REINFORCING BRACKET



- Recommended to be used when a heavy load is attached onto the mounting plate.
- Requires 2 - $\Phi 3.5$ hole milling on the mounting plate for installation.
- Can be freely installed based on your requirements.
- Not suitable for FCS□-□-38 or FCWS□-□-38 models. (H = 37.9mm)
- Use FCC-K-1 for the mounting plate with FCK-1 brackets and use FCC-K-2 for the mounting plate with FCK-2 brackets.

INSTALLATION EXAMPLE



Product no. / Dimensions

Product no.	L	Matching bracket	Pack of
FCC-K-1	13	FCK-1	2
FCC-K-2	23	FCK-2	2

Included screws : M3-6 pan head trivalent chromate with flat washer x 2 pcs
 M3-5 slotted raised countersunk nickel plated / black trivalent chromate x 2 pcs each

Accessories (Optional parts)

MR3-5Z SERIES

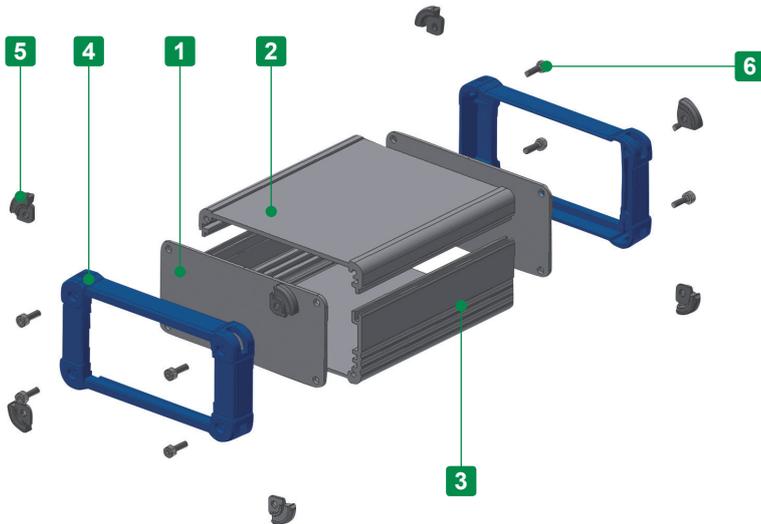
SLOTTED RAISED COUNTERSUNK TORX SCREW



- For use with panels.
- Recommended for aesthetic purposes, or for resistance against tampering.
- Requires the use of a specialized screwdriver.

Product no. / Dimensions

Product no.	M	L	TORX head no.	Material	Color / Finish	Pack of
MR3-5ZS	3	5	T10	Steel	Nickel plated	20
MR3-5ZB	3	5	T10	Steel	Black trivalent chromate	20



- Corner guards are designed to be both aesthetically pleasing, and impact resistant.
- 2 new Width/Height types added. Selectable in 22 different Width/Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm.
- 16 different color combinations possible by combining a black or silver Top/Bottom covers with 8 different exterior frame colors.

Included screws

- EXPS69-□, 89-□ models : M2.5-8 x 8 pcs
- EXPS116-□, 151-□ models : M3-10 x 8 pcs
- EXPS199-□ models : M4-12 x 8 pcs
- EXPS244-□, 300-□ models : M5-12 x 8 pcs
- ※Hexagonal wrench included.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100P	Silver / Anodized • Black / Painted
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
4	Exterior frame	2	PC+ABS Flame-resistant	Black • Gray / Unpainted Indigo • Navy • Lime • Yellow • Orange • Red / Painted
5	Corner guard	8	Silicone	Dark gray • Black
6	Screw (Hexagonal)	8	Stainless steel	Unfinished

■ See page EX-Cover-1 ~ EX-Cover-4 for Top / Bottom cover dimensions.

Lead Time

Custom Size Only
Custom Size + Hole Milling

4 business days (1 ~ 10 pcs)
9 business days (1 ~ 10 pcs)

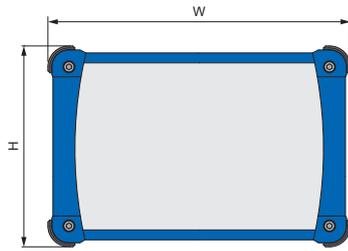
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

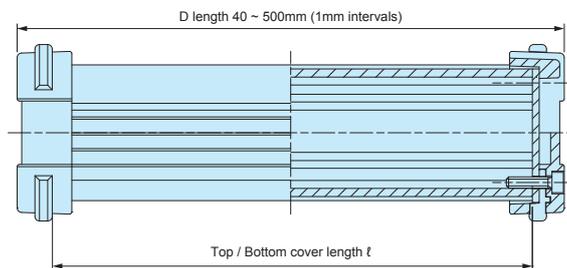
Width-Height dimensions



W-H No.	W	H
69- 34	69	34
69- 44	69	44
69- 59	69	59
89- 39	89	39
89- 49	89	49
89- 64	89	64
116- 41	116	41
116- 56	116	56
116- 71	116	71
151- 46	151	46
151- 61	151	61

W-H No.	W	H
151- 81	151	81
151-101	151	101
199- 56	199	56
199- 74	199	74
199- 94	199	94
199-119	199	119
244- 64	244	64
244- 89	244	89
244-114	244	114
NEW 300- 90	300	90
NEW 300-140	300	140

D length



W-H No.	ℓ
69-□	D-14
89-□	D-14
116-□	D-16
151-□	D-17
199-□	D-20
244-□	D-23
300-□	D-22

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

■ See page EX-Cover-1 ~ EX-Cover-4 for Top/Bottom cover dimensions.

2 Color

To select color code from the table below.

Exterior frame color : Black • Gray / Unpainted - Other colors / Painted

Code	S B Silver / Black	S G Silver / Gray	S I Silver / Indigo	S N Silver / Navy
Color				
Code	S L Silver / Lime	S Y Silver / Yellow	S O Silver / Orange	S R Silver / Red
Color				
Code	B B Black / Black	B G Black / Gray	B I Black / Indigo	B N Black / Navy
Color				
Code	B L Black / Lime	B Y Black / Yellow	B O Black / Orange	B R Black / Red
Color				

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXPS - -

1 W-H
1 D length
2 Color code

Numbering example: W-H:116-56 x D:234 and BL color code → **EXPS116-56-234BL**

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

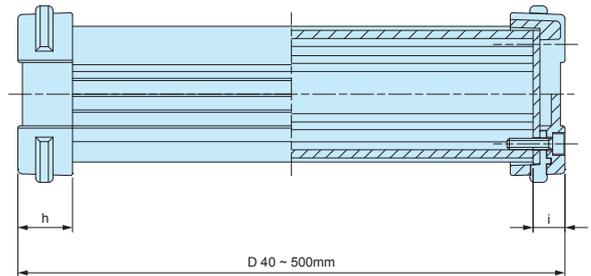
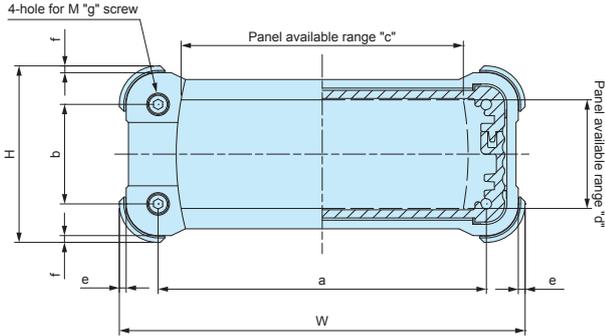
Visit the EXPS product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details.

The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!



EXPS dimensions

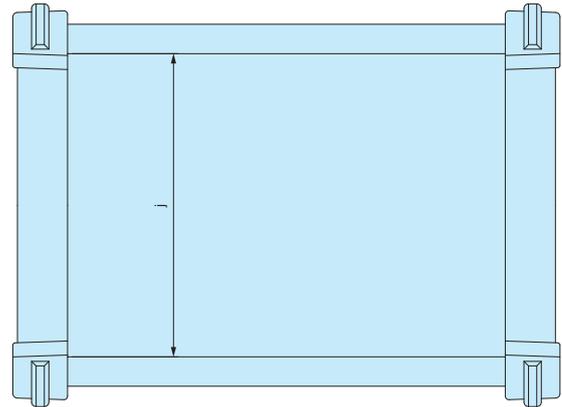
■ DXF/DWG/PDF drawings available on our website.



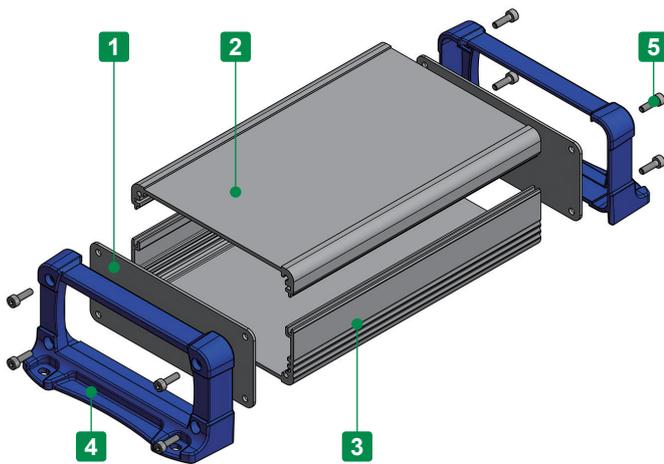
Accessories (Optional parts)



Tilt leg TLW series
See page 222



Product no.	W	H	a	b	c	d	e	f	g	h	i	j
EXPS 69- 34-□	69	34	52	17	41.8	19.6	1.5	1.5	2.5	12	7	47
EXPS 69- 44-□	69	44	52	27	41.5	29.6	1.5	1.5	2.5	12	7	47
EXPS 69- 59-□	69	59	52	42	41.2	44.6	1.5	1.5	2.5	12	7	47
EXPS 89- 39-□	89	39	72	22	61.6	23.5	1.5	1.5	2.5	12	7	67
EXPS 89- 49-□	89	49	72	32	61.3	33.5	1.5	1.5	2.5	12	7	67
EXPS 89- 64-□	89	64	72	47	61	48.5	1.5	1.5	2.5	12	7	67
EXPS116- 41-□	116	41	95	20	82.8	23.8	1.75	1.75	3	16	8	89
EXPS116- 56-□	116	56	95	35	83.2	38.8	1.75	1.75	3	16	8	89
EXPS116- 71-□	116	71	95	50	82.8	52.5	1.75	1.75	3	16	8	89
EXPS151- 46-□	151	46	130	25	106.8	23.7	1.75	1.75	3	18	8.5	124
EXPS151- 61-□	151	61	130	40	106.8	38.7	1.75	1.75	3	18	8.5	124
EXPS151- 81-□	151	81	130	60	106.8	58.7	1.75	1.75	3	18	8.5	124
EXPS151-101-□	151	101	130	80	106.8	78.7	1.75	1.75	3	18	8.5	124
EXPS199- 56-□	199	56	173	30	131	35	2	2	4	20	10	162
EXPS199- 74-□	199	74	173	48	131	53	2	2	4	20	10	162
EXPS199- 94-□	199	94	173	68	131	73	2	2	4	20	10	162
EXPS199-119-□	199	119	173	93	131	98	2	2	4	20	10	162
EXPS244- 64-□	244	64	218	38	176	43	2	2	5	23	11.5	207
EXPS244- 89-□	244	89	218	63	176	68	2	2	5	23	11.5	207
EXPS244-114-□	244	114	218	88	176	93	2	2	5	23	11.5	207
EXPS300- 90-□	300	90	272	62	230	66	2	2	5	27	11	262
EXPS300-140-□	300	140	272	112	230	116	2	2	5	27	11	262



- Equipped with flanged frame for easy wall mounting.
- Selectable in 20 different Width/Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm.
- 6 different color combinations available by combining a black or silver Top/Bottom covers with 3 different flanged frame colors.

Included screws
 EXPFS66-□, 86-□ models : M2.5-8 x 8 pcs
 EXPFS113-□, 148-□ models : M3-10 x 8 pcs
 EXPFS195-□ models : M4-12 x 8 pcs
 EXPFS240-□ models : M5-12 x 8 pcs
 ※Hexagonal wrench included.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100P	Silver / Anodized • Black / Painted
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
4	Flanged frame	2	PC+ABS Flame-resistant	Black • Gray / Unpainted Navy / Painted
5	Screw (Hexagonal)	8	Stainless steel	Unfinished

■ See page EX-Cover-1 ~ EX-Cover-4 for Top / Bottom cover dimensions.

Lead Time

Custom Size Only
 Custom Size + Hole Milling

4 business days (1 ~ 3 pcs)
 9 business days (1 ~ 3 pcs)

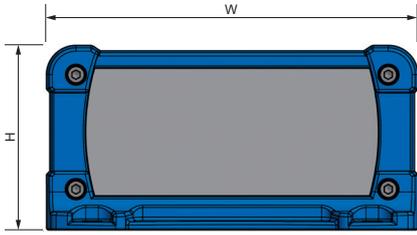
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

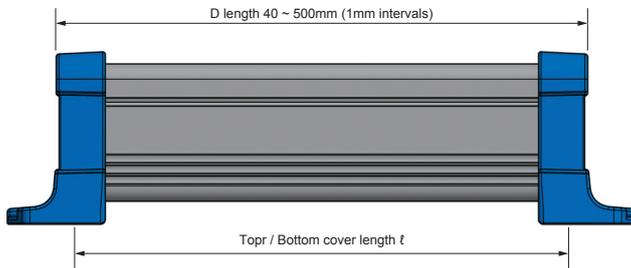
Width-Height dimensions



W-H No.	W	H
66- 34	66	34
66- 44	66	44
66- 59	66	59
86- 39	86	39
86- 49	86	49
86- 64	86	64
113- 42	113	41.5
113- 57	113	56.5
113- 72	113	71.5
148- 47	148	47

W-H No.	W	H
148- 62	148	62
148- 82	148	82
148-102	148	102
195- 57	195	57
195- 75	195	75
195- 95	195	95
195-120	195	120
240- 65	240	65
240- 90	240	90
240-115	240	115

D length



W-H No.	ℓ
66-□	D-14
86-□	D-14
113-□	D-16
148-□	D-17
195-□	D-20
240-□	D-23

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

■ See page EX-Cover-1 ~ EX-Cover-4 for Topr/Bottom cover dimensions.

2 Color

To select color code from the table below.

※ Flanged frame color : Black • Gray / Unpainted - Navy / Painted

Code	S B Silver / Black	S G Silver / Gray	S N Silver / Navy
Color			
Code	B B Black / Black	B G Black / Gray	B N Black / Navy
Color			

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXPFS - -

1 W-H
1 D length
2 Color code

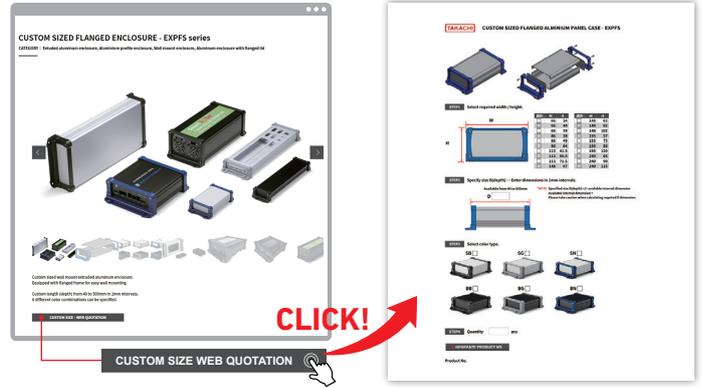
Numbering example: W-H:113-57 x D:234 and BN color code → **EXPFS113-57-234BN**

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

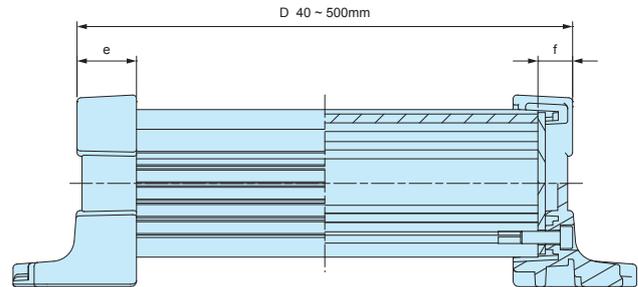
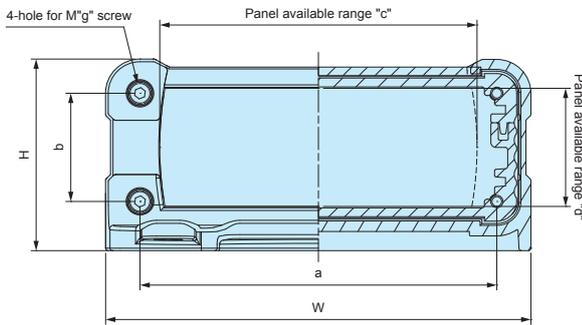
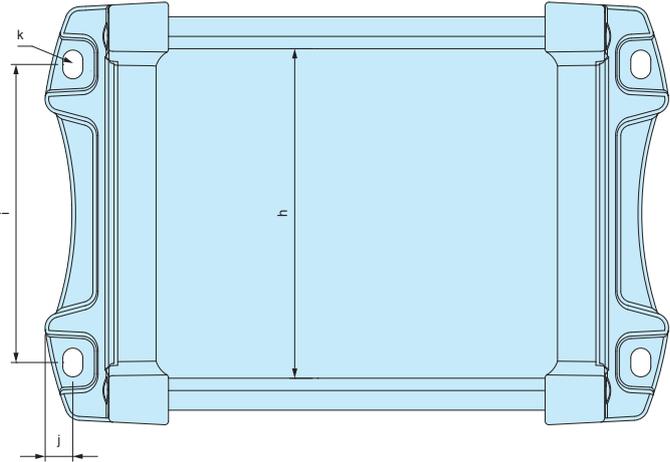
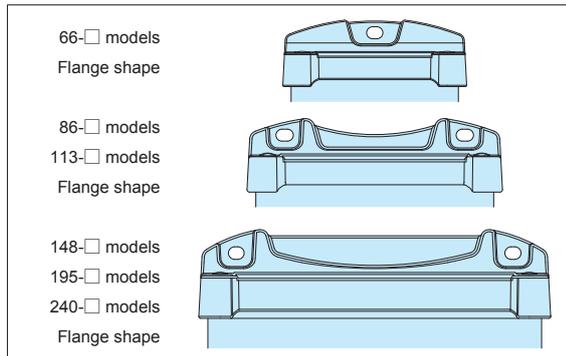
Visit the EXPFS product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details.

The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!



EXPFS dimensions

■ DXF/DWG/PDF drawings available on our website.

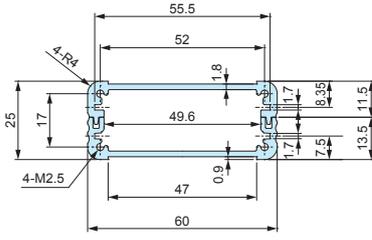


Product no.	W	H	a	b	c	d	e	f	g	h	i	j	k
EXPFS 66- 34-□	66	34	52	17	41.8	19.6	12	7	2.5	47	—	4.5	4.5×6
EXPFS 66- 44-□	66	44	52	27	41.5	29.6	12	7	2.5	47	—	4.5	4.5×6
EXPFS 66- 59-□	66	59	52	42	41.2	44.6	12	7	2.5	47	—	4.5	4.5×6
EXPFS 86- 39-□	86	39	72	22	61.6	23.5	12	7	2.5	67	60.6	5.6	4.2×6
EXPFS 86- 49-□	86	49	72	32	61.3	33.5	12	7	2.5	67	60.6	5.6	4.2×6
EXPFS 86- 64-□	86	64	72	47	61	48.5	12	7	2.5	67	60.6	5.6	4.2×6
EXPFS113- 42-□	113	41.5	95	20	82.8	23.8	16	8	3	89	85.2	7.4	4.6×6
EXPFS113- 57-□	113	56.5	95	35	83.2	38.8	16	8	3	89	85.2	7.4	4.6×6
EXPFS113- 72-□	113	71.5	95	50	82.8	52.5	16	8	3	89	85.2	7.4	4.6×6
EXPFS148- 47-□	148	47	130	25	107.4	23.7	18	8.5	3	124	116.2	9.9	5.5×7
EXPFS148- 62-□	148	62	130	40	107.4	38.7	18	8.5	3	124	116.2	9.9	5.5×7
EXPFS148- 82-□	148	82	130	60	107.4	58.7	18	8.5	3	124	116.2	9.9	5.5×7
EXPFS148-102-□	148	102	130	80	107.4	78.7	18	8.5	3	124	116.2	9.9	6.5×8.5
EXPFS195- 57-□	195	57	173	30	132	35	20	10	4	162	160	12	6.5×8.5
EXPFS195- 75-□	195	75	173	48	132	53	20	10	4	162	160	12	6.5×8.5
EXPFS195- 95-□	195	95	173	68	132	73	20	10	4	162	160	12	6.5×8.5
EXPFS195-120-□	195	120	173	93	132	98	20	10	4	162	160	12	6.5×8.5
EXPFS240- 65-□	240	65	218	38	177	43	23	11.5	5	207	205	12	6.5×8.5
EXPFS240- 90-□	240	90	218	63	177	68	23	11.5	5	207	205	12	6.5×8.5
EXPFS240-115-□	240	115	218	88	177	93	23	11.5	5	207	205	12	6.5×8.5

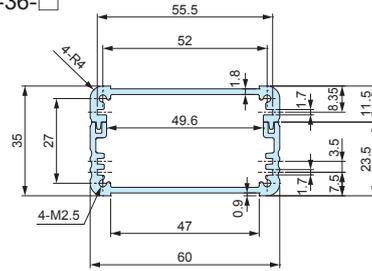
Cross-section view of top & bottom covers

■ DXF/DWG/PDF drawings available on our website.

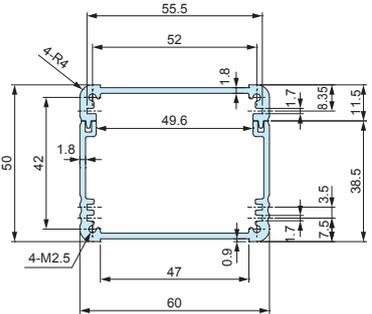
EXPS • EXWS 69-34-□
 EXPFS • EXWFS 66-34-□
 EXS 61-26-□



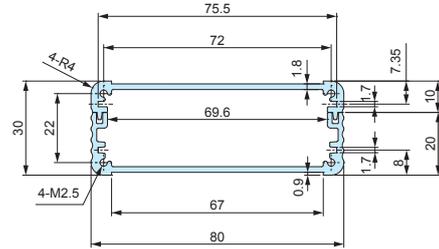
EXPS • EXWS 69-44-□
 EXPFS • EXWFS 66-44-□
 EXS 61-36-□



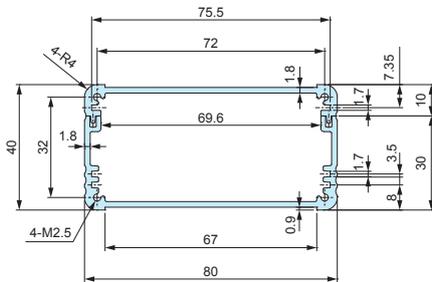
EXPS • EXWS 69-59-□
 EXPFS • EXWFS 66-59-□
 EXS 61-51-□



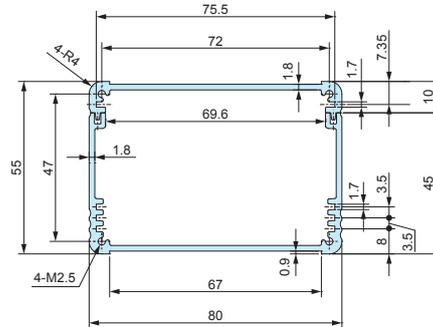
EXPS • EXWS 89-39-□
 EXPFS • EXWFS 86-39-□
 EXS 81-31-□



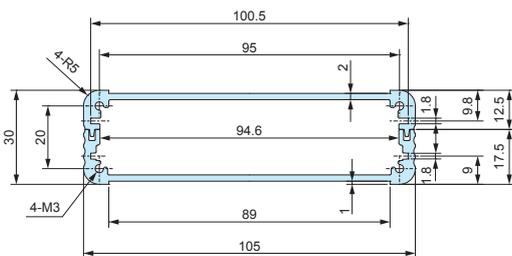
EXPS • EXWS 89-49-□
 EXPFS • EXWFS 86-49-□
 EXS 81-41-□



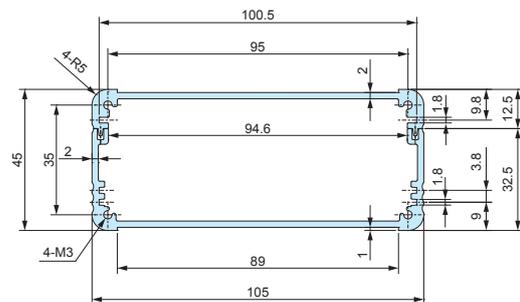
EXPS • EXWS 89-64-□
 EXPFS • EXWFS 86-64-□
 EXS 81-56-□



EXPS • EXWS 116-41-□
 EXPFS • EXWFS 113-42-□
 EXS 106-31-□



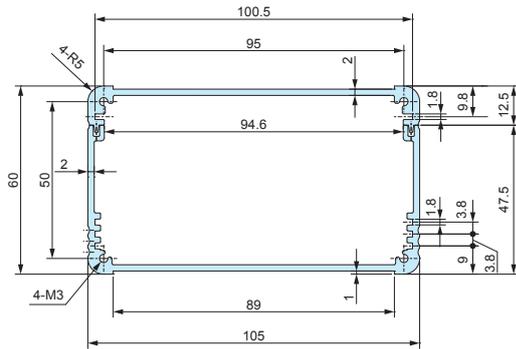
EXPS • EXWS 116-56-□
 EXPFS • EXWFS 113-57-□
 EXS 106-46-□



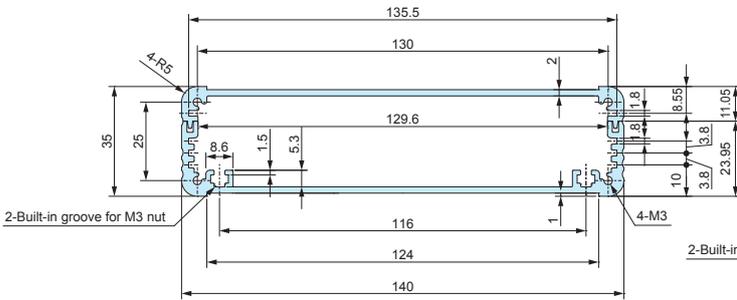
Cross-section view of top & bottom covers

■ DXF/DWG/PDF drawings available on our website.

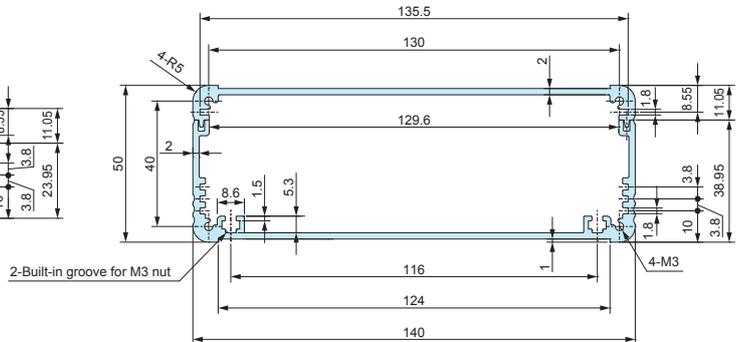
- EXPS • EXWS 116-71-□
- EXPFS • EXWFS 113-72-□
- EXS 106-61-□



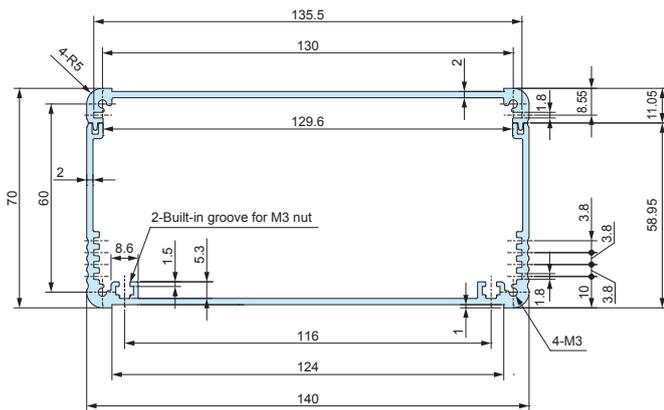
- EXPS • EXWS 151-46-□
- EXPFS • EXWFS 148-47-□
- EXS 141-36-□



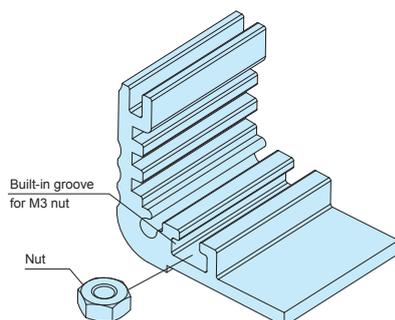
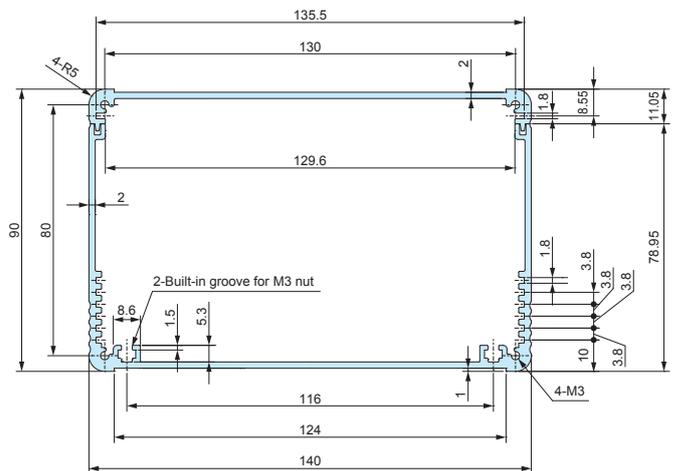
- EXPS • EXWS 151-61-□
- EXPFS • EXWFS 148-62-□
- EXS 141-51-□



- EXPS • EXWS 151-81-□
- EXPFS • EXWFS 148-82-□
- EXS 141-71-□



- EXPS • EXWS 151-101-□
- EXPFS • EXWFS 148-102-□
- EXS 141-91-□

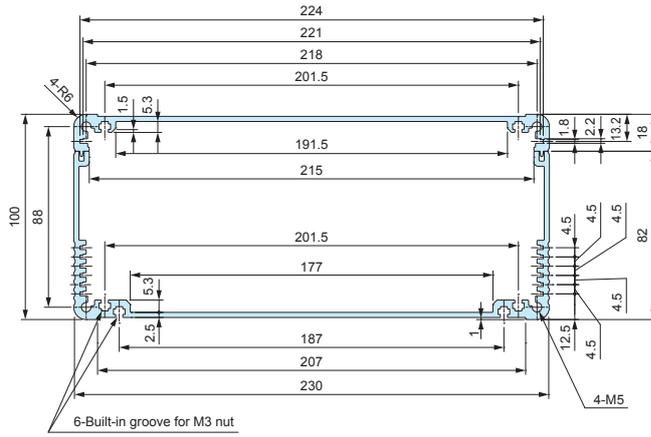


- Optional M3 nut is available.
- Sliding nut can be used on EXPS • EXPFS • EXWS • EXWFS • EXS models with width 140mm or larger bottom covers and with width 230mm and 285mm top covers.
- See page EF-36 • MT-3N for MT-3N optional M3 nut.

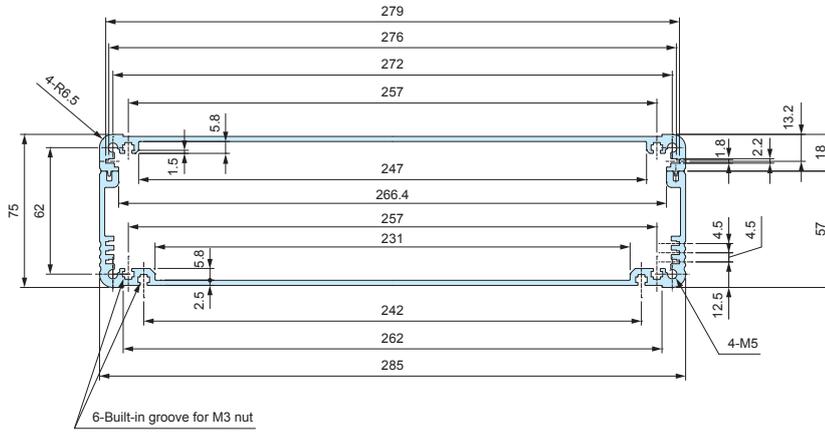
Cross-section view of top & bottom covers

DXF/DWG/PDF drawings available on our website.

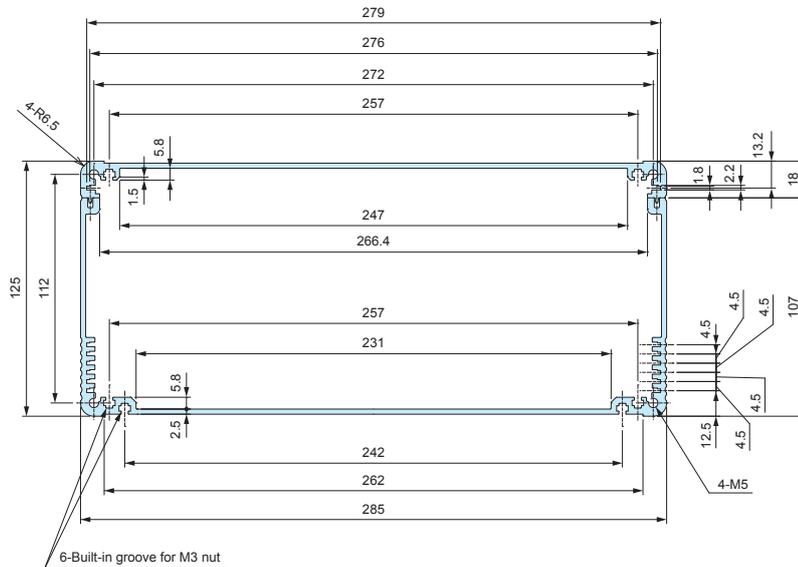
- EXPS 244-114-□
- EXPFS • EXWFS 240-115-□
- EXS 232-102-□

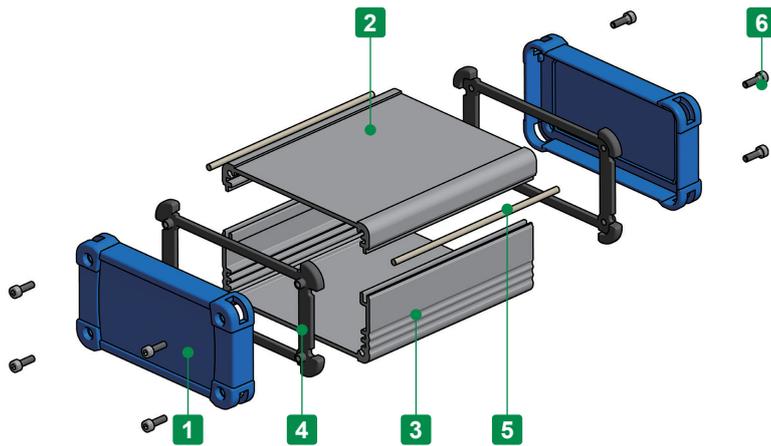


- EXPS 300-90-□
- EXWFS 298-93-□
- EXS 288-78-□



- EXPS 300-140-□
- EXWFS 298-143-□
- EXS 288-128-□





Technical Data

Protection class : IP65
 ■ Not suitable for environments with direct rainfall.
 *IP65 protection is not applicable if D = 400mm or more.
 Operating temperature: -10°C ~ +60°C

- IP65 is made possible by the sealing of between Top/ Bottom covers and end panels with gaskets.
- Selectable in 13 different Width/Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm.
- 6 different color combinations possible by combining a black or silver Top/Bottom covers with 3 different panel colors.

Included screws
 EXWS69-□, 89-□ models : M2.5-8 x 8 pcs
 EXWS116-□, 151-□ models : M3-10 x 8 pcs
 ※Hexagonal wrench included.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	PC+ABS Flame-resistant	Black • Gray / Unpainted Navy / Painted
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
4	Panel gasket	2	Silicone	Charcoal gray*
5	Cover gasket	2	Silicone sponge	White gray
6	Screw (Hexagonal)	8	Stainless steel	Unfinished

- See page EX-Cover-1 ~ EX-Cover-4 for Top / Bottom cover dimensions.
- Dark gray and black color panel gasket will be changed to charcoal gray upon depletion of inventory.

Lead Time

Custom Size Only
 Custom Size + Hole Milling

4 business days (1 ~ 3 pcs)
 9 business days (1 ~ 3 pcs)

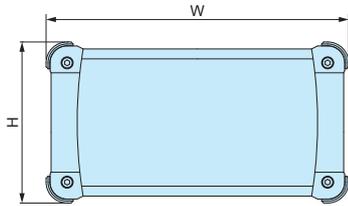
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

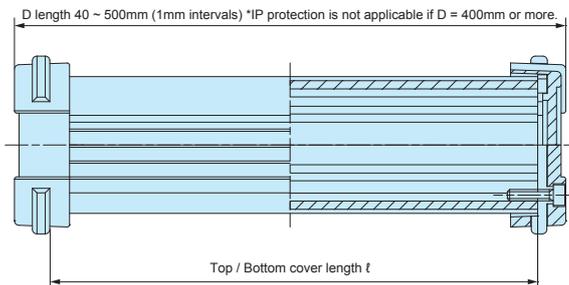
Width-Height dimensions



W-H No.	W	H
69- 34	69	34
69- 44	69	44
69- 59	69	59
89- 39	89	39
89- 49	89	49
89- 64	89	64
116- 41	116	41

W-H No.	W	H
116- 56	116	56
116- 71	116	71
151- 46	151	46
151- 61	151	61
151- 81	151	81
151-101	151	101

D length



W-H No.	ℓ
69-□	D-11
89-□	D-12
116-□	D-13
151-□	D-13

- D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).
- *D length may vary due to expansion and contraction of gasket from screw tightening

■ See page EX-Cover-1 ~ EX-Cover-4 for Top/Bottom cover dimensions.

2 Color

To select color code from the table below.

Panel color : Black • Gray / Unpainted - Navy / Painted

Code	S B Silver / Black	S G Silver / Gray	S N Silver / Navy
Color			
Code	B B Black / Black	B G Black / Gray	B N Black / Navy
Color			

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXWS -

1 W-H
1 D length
2 Color code

Numbering example: W-H:116-56 x D:345 and SN color code → EXWS116-56-345SN

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

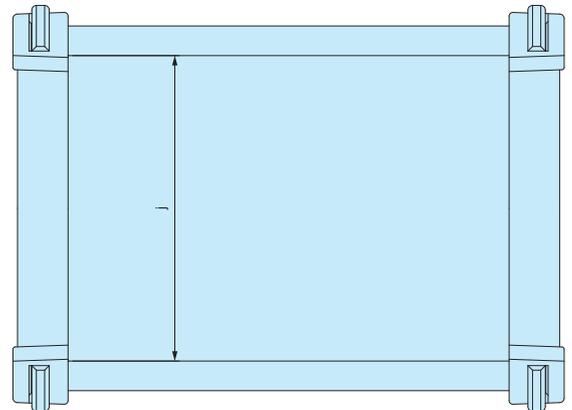
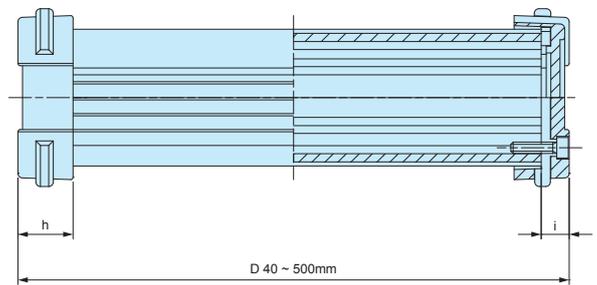
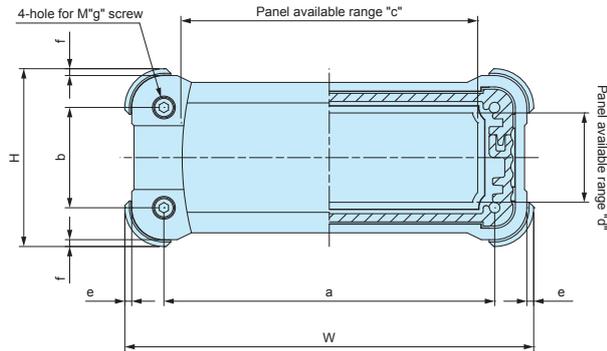
Visit the EXWS product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details.

The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!



EXWS dimensions

■ DXF/DWG/PDF drawings available on our website.

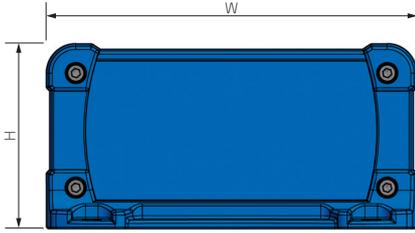


Product no.	W	H	a	b	c	d	e	f	g	h	i	j
EXWS 69- 34-□	69	34	52	17	46	16	1.5	1.5	2.5	12	6	47
EXWS 69- 44-□	69	44	52	27	46	26	1.5	1.5	2.5	12	6	47
EXWS 69- 59-□	69	59	52	42	46	41	1.5	1.5	2.5	12	6	47
EXWS 89- 39-□	89	39	72	22	65.8	20	1.5	1.5	2.5	12	6.5	67
EXWS 89- 49-□	89	49	72	32	65.8	30	1.5	1.5	2.5	12	6.5	67
EXWS 89- 64-□	89	64	72	47	65.8	45	1.5	1.5	2.5	12	6.5	67
EXWS116- 41-□	116	41	95	20	89.6	18	1.75	1.75	3	16	7	89
EXWS116- 56-□	116	56	95	35	89.6	33	1.75	1.75	3	16	7	89
EXWS116- 71-□	116	71	95	50	89.6	48	1.75	1.75	3	16	7	89
EXWS151- 46-□	151	46	130	25	103.4	18.2	1.75	1.75	3	18	7	124
EXWS151- 61-□	151	61	130	40	103.4	33.2	1.75	1.75	3	18	7	124
EXWS151- 81-□	151	81	130	60	103.4	53.2	1.75	1.75	3	18	7	124
EXWS151-101-□	151	101	130	80	103.4	73.2	1.75	1.75	3	18	7	124

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

Width-Height dimensions

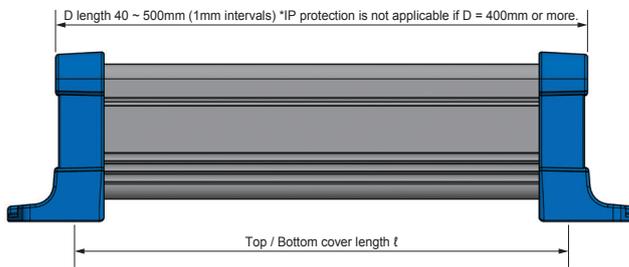


W-H No.	IP Code	W	H
66- 34	IP65	66	34
66- 44	IP65	66	44
66- 59	IP65	66	59
86- 39	IP65	86	39
86- 49	IP65	86	49
86- 64	IP65	86	64
113- 42	IP65	113	41.5
113- 57	IP65	113	56.5
113- 72	IP65	113	71.5
148- 47	IP65	148	47
148- 62	IP65	148	62

W-H No.	IP Code	W	H
148- 82	IP65	148	82
148-102	IP65	148	102
195- 57	IP54	195	57
195- 75	IP54	195	75
195- 95	IP54	195	95
195-120	IP54	195	120
240- 65	IP54	240	65
240- 90	IP54	240	90
240-115	IP54	240	115
NEW 298- 93	IP54	298	93
NEW 298-143	IP54	298	143

■ Protection class varies by size.

D length



W-H No.	ℓ
66-□	D-11
86-□	D-12
113-□	D-13
148-□	D-13
195-□	D-18
240-□	D-18
298-□	D-19

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).
*D length may vary due to expansion and contraction of gasket from screw tightening

■ See page EX-Cover-1 ~ EX-Cover-4 for Top/Bottom cover dimensions.

2 Color

To select color code from the table below.

Panel color : Black • Gray / Unpainted - Navy / Painted

Code	S B Silver / Black	S G Silver / Gray	S N Silver / Navy
Color			
Code	B B Black / Black	B G Black / Gray	B N Black / Navy
Color			

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXWFS - -

1 W-H
1 D length
2 Color code

Numbering example: W-H:113-57 x D:345 and SN color code → EXWFS113-57-345SN

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

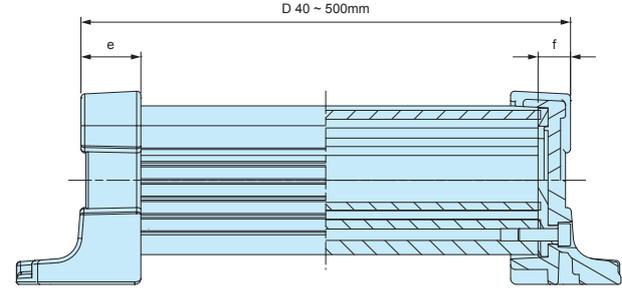
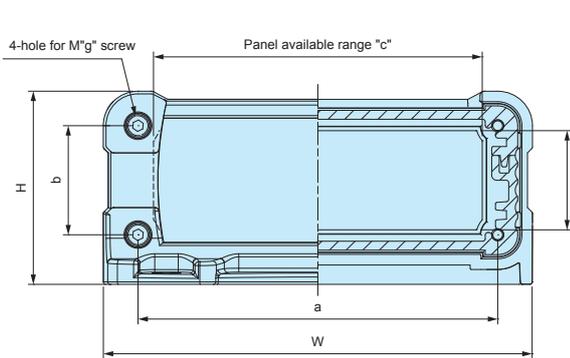
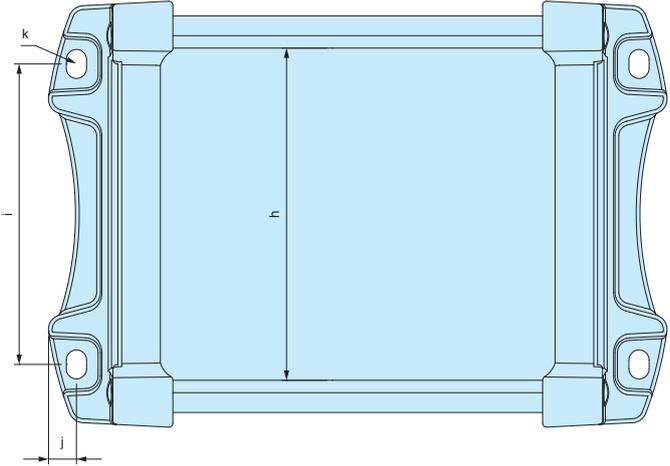
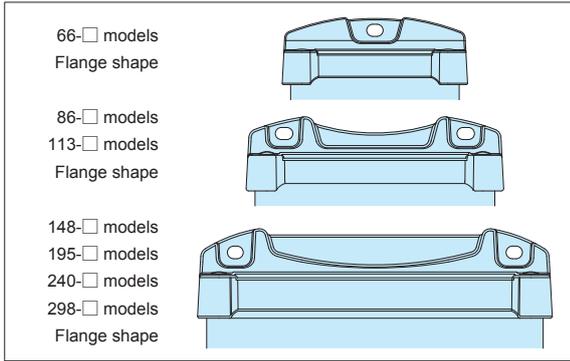
Visit the EXWFS product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details.

The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!



EXWFS dimensions

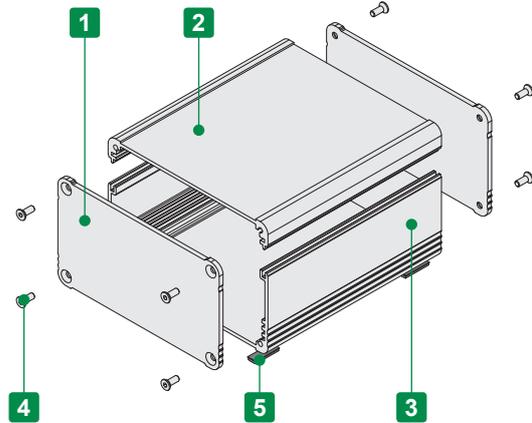
■ DXF/DWG/PDF drawings available on our website.



Product no.	W	H	a	b	c	d	e	f	g	h	i	j	k
EXWFS 66- 34-□	66	34	52	17	46	16	12	5.5	2.5	47	—	4.5	4.5×6
EXWFS 66- 44-□	66	44	52	27	46	24	12	5.5	2.5	47	—	4.5	4.5×6
EXWFS 66- 59-□	66	59	52	42	46	41	12	5.5	2.5	47	—	4.5	4.5×6
EXWFS 86- 39-□	86	39	72	22	65.8	20	12	6	2.5	67	60.6	5.6	4.2×6
EXWFS 86- 49-□	86	49	72	32	65.8	30	12	6	2.5	67	60.6	5.6	4.2×6
EXWFS 86- 64-□	86	64	72	47	65.8	45	12	6	2.5	67	60.6	5.6	4.2×6
EXWFS113- 42-□	113	41.5	95	20	89.6	18	16	6.5	3	89	85.2	7.4	4.6×6
EXWFS113- 57-□	113	56.5	95	35	89.6	33	16	6.5	3	89	85.2	7.4	4.6×6
EXWFS113- 72-□	113	71.5	95	50	89.6	48	16	6.5	3	89	85.2	7.4	4.6×6
EXWFS148- 47-□	148	47	130	25	103.4	18.2	18	6.5	3	124	116.2	9.9	5.5×7
EXWFS148- 62-□	148	62	130	40	103.4	33.2	18	6.5	3	124	116.2	9.9	5.5×7
EXWFS148- 82-□	148	82	130	60	103.4	53.2	18	6.5	3	124	116.2	9.9	5.5×7
EXWFS148-102-□	148	102	130	80	103.4	73.2	18	6.5	3	124	116.2	9.9	5.5×7
EXWFS195- 57-□	195	57	173	30	124.5	27.5	20	9	4	162	160	12	6.5×8.5
EXWFS195- 75-□	195	75	173	48	124.5	45.5	20	9	4	162	160	12	6.5×8.5
EXWFS195- 95-□	195	95	173	68	124.5	65.5	20	9	4	162	160	12	6.5×8.5
EXWFS195-120-□	195	120	173	93	124.5	90.5	20	9	4	162	160	12	6.5×8.5
EXWFS240- 65-□	240	65	218	38	166	33.5	23	9	5	207	205	12	6.5×8.5
EXWFS240- 90-□	240	90	218	63	166	58.5	23	9	5	207	205	12	6.5×8.5
EXWFS240-115-□	240	115	218	88	166	83.5	23	9	5	207	205	12	6.5×8.5
EXWFS298- 93-□	298	93	272	62	218	56.5	27	9.5	5	262	263	12	6.5×8.5
EXWFS298-143-□	298	143	272	112	218	106	27	9.5	5	262	263	12	6.5×8.5



- Simple yet beautifully designed aluminium extrusion enclosure.
- 2 new Width/Height types added. Selectable in 22 different Width/Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm.
- High-end finish is achieved by precision CNC of the end panels. Suitable for industrial and audio interface equipment.



Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100P	Silver • Black / Anodized
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
4	Screw (Hexagonal)	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane • Synthetic rubber	Black

- See page EX-Cover-1 ~ EX-Cover-4 for Top / Bottom cover dimensions.
- Rubber feet material : Polyurethane : EXS61-26 ~ 187-107 models • Synthetic rubber : EXS232-57 ~ 288-128 models

Lead Time

Custom Size Only
Custom Size + Hole Milling

4 business days (1 ~ 3 pcs)
9 business days (1 ~ 3 pcs)

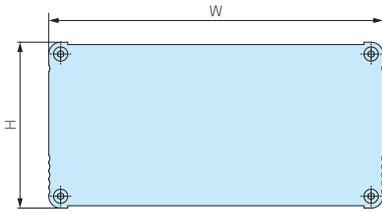
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

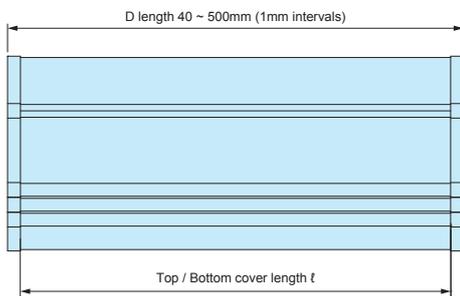
Width-Height dimensions



W-H No.	W	H
61- 26	60.6	25.6
61- 36	60.6	35.6
61- 51	60.6	50.6
81- 31	80.6	30.6
81- 41	80.6	40.6
81- 56	80.6	55.6
106- 31	106	31
106- 46	106	46
106- 61	106	61
141- 36	141	36
141- 51	141	51

W-H No.	W	H
141- 71	141	71
141- 91	141	91
187- 44	186.5	43.5
187- 62	186.5	61.5
187- 82	186.5	81.5
187-107	186.5	106.5
232- 52	232	52
232- 77	232	77
232-102	232	102
NEW 288- 78	287.5	77.5
NEW 288-128	287.5	127.5

D length



W-H No.	ℓ
61-□	D-4
81-□	D-4
106-□	D-5
141-□	D-5
187-□	D-5
232-□	D-6
288-□	D-6

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

■ See page EX-Cover-1 ~ EX-Cover-4 for Top/Bottom cover dimensions.

2 Color

To select color code from the table below.

Code	S S Silver / Silver	S B Silver / Black	B S Black / Silver	B B Black / Black
Color				

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXS - -

1 W-H **1** D length **2** Color code

Numbering example: W-H:106-46 x D:124 and BB color code → **EXS106-46-124BB**

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

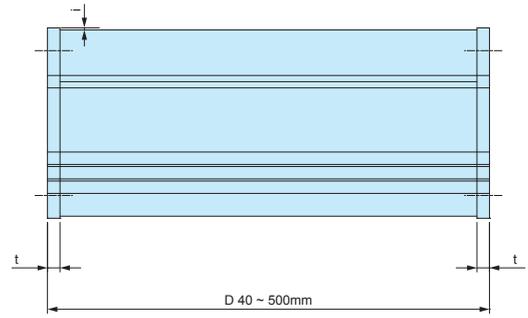
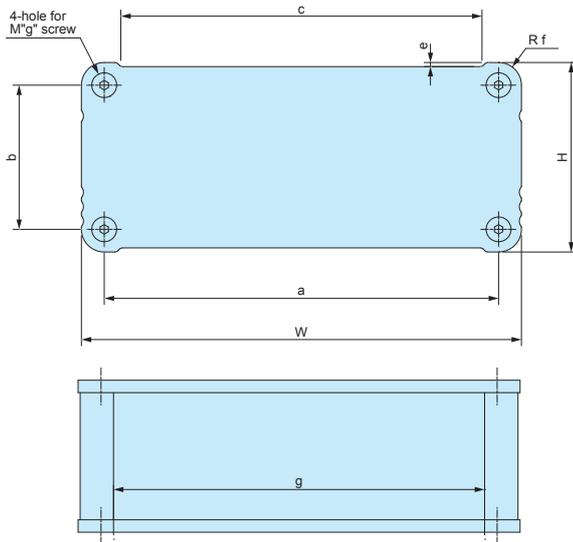
Visit the EXS product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details.

The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!

The image shows two screenshots from a website. The left screenshot is the 'CUSTOM SIZE WEB QUOTATION' form, which includes fields for 'Specify size (Width)', 'Specify size (Height)', 'Specify size (Depth)', and 'Select color type'. A red arrow points to the 'CUSTOM SIZE WEB QUOTATION' button. The right screenshot shows the 'CUSTOM SIZED EXTRUDED ALUMINUM CASE - EXS' page, which includes a table of dimensions and a 'GENERATE PRODUCT NO.' button.

EXS dimensions

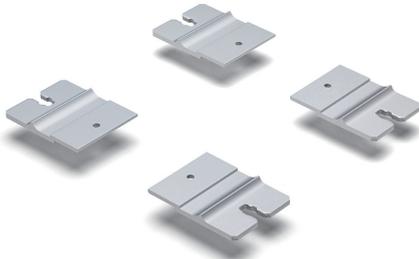
■ DXF/DWG/PDF drawings available on our website.



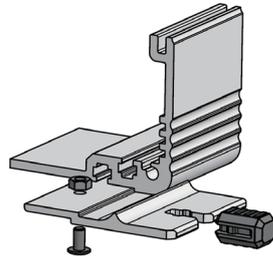
Included screws
 EXS61-□, 81-□ models : M2.5-8 x 8 pcs
 EXS106-□, 141-□ models : M3-8 x 8 pcs
 EXS187-□ models : M4-10 x 8 pcs
 EXS232-□, 288-□ models : M5-10 x 8 pcs
 ※Hexagonal wrench included.

Product no.	W	H	a	b	c	d	e	f	g	i	t
EXS 61- 26-□	60.6	25.6	52	17	45.2	2.5	0.9	4.3	47	0.3	2
EXS 61- 36-□	60.6	35.6	52	27	45.2	2.5	0.9	4.3	47	0.3	2
EXS 61- 51-□	60.6	50.6	52	42	45.2	2.5	0.9	4.3	47	0.3	2
EXS 81- 31-□	80.6	30.6	72	22	65.2	2.5	0.9	4.3	67	0.3	2
EXS 81- 41-□	80.6	40.6	72	32	65.2	2.5	0.9	4.3	67	0.3	2
EXS 81- 56-□	80.6	55.6	72	47	65.2	2.5	0.9	4.3	67	0.3	2
EXS106- 31-□	106	31	95	20	87	3	1	5.5	89	0.5	2.5
EXS106- 46-□	106	46	95	35	87	3	1	5.5	89	0.5	2.5
EXS106- 61-□	106	61	95	50	87	3	1	5.5	89	0.5	2.5
EXS141- 36-□	141	36	130	25	122	3	1	5.5	124	0.5	2.5
EXS141- 51-□	141	51	130	40	122	3	1	5.5	124	0.5	2.5
EXS141- 71-□	141	71	130	60	122	3	1	5.5	124	0.5	2.5
EXS141- 91-□	141	91	130	80	122	3	1	5.5	124	0.5	2.5
EXS187- 44-□	186.5	43.5	173	30	160	4	1	6.75	162	0.75	2.5
EXS187- 62-□	186.5	61.5	173	48	160	4	1	6.75	162	0.75	2.5
EXS187- 82-□	186.5	81.5	173	68	160	4	1	6.75	162	0.75	2.5
EXS187-107-□	186.5	106.5	173	93	160	4	1	6.75	162	0.75	2.5
EXS232- 52-□	232	52	218	38	205	5	1	7	207	1	3
EXS232- 77-□	232	77	218	63	205	5	1	7	207	1	3
EXS232-102-□	232	102	218	88	205	5	1	7	207	1	3
EXS288- 78-□	287.5	77.5	272	62	260	5	1	7.75	262	1.25	3
EXS288-128-□	287.5	127.5	272	112	260	5	1	7.75	262	1.25	3

Accessories (Optional parts)



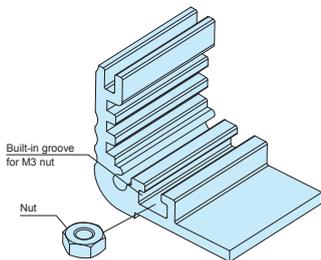
Wall mounting bracket EF-36 series
 See page EF-36 • MT-3N



Embedded battery box BC series
 See page 125 ~ 128



Aluminium isolation feet AFM • AFS series
 See page 293 ~ 294



Sliding nut MT-3N
 See page EF-36 • MT-3N

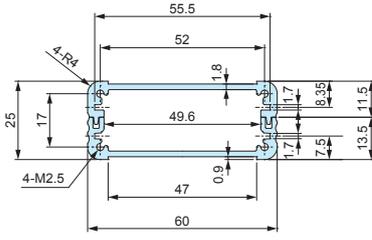


Insert nut adhesive standoff AST series
 See page 121

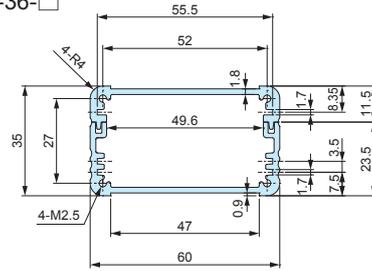
Cross-section view of top & bottom covers

■ DXF/DWG/PDF drawings available on our website.

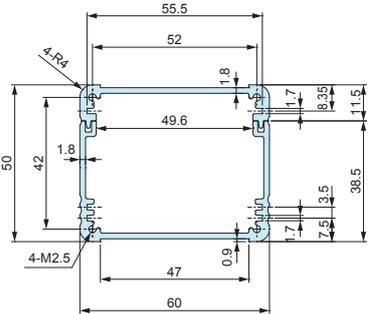
EXPS • EXWS 69-34-□
 EXPFS • EXWFS 66-34-□
 EXS 61-26-□



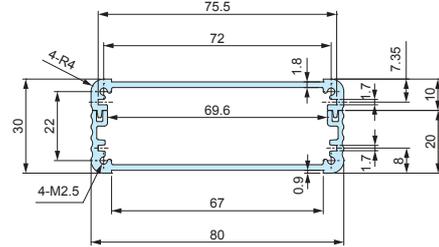
EXPS • EXWS 69-44-□
 EXPFS • EXWFS 66-44-□
 EXS 61-36-□



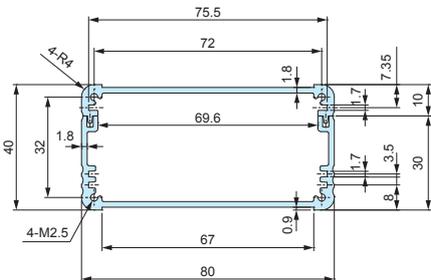
EXPS • EXWS 69-59-□
 EXPFS • EXWFS 66-59-□
 EXS 61-51-□



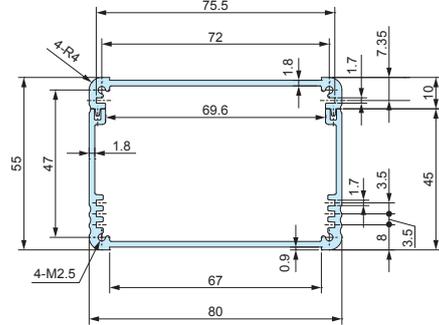
EXPS • EXWS 89-39-□
 EXPFS • EXWFS 86-39-□
 EXS 81-31-□



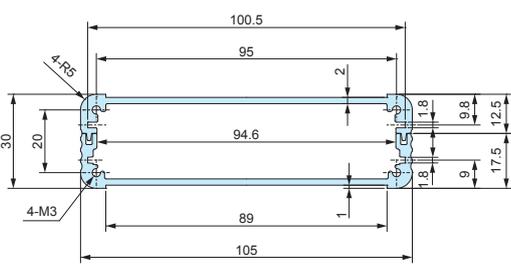
EXPS • EXWS 89-49-□
 EXPFS • EXWFS 86-49-□
 EXS 81-41-□



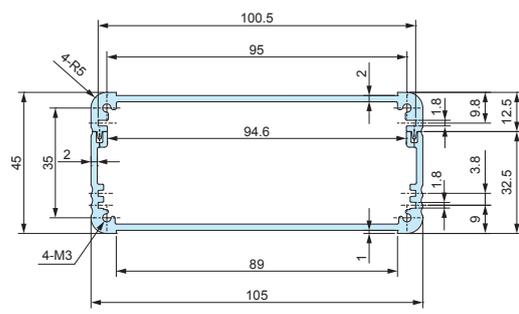
EXPS • EXWS 89-64-□
 EXPFS • EXWFS 86-64-□
 EXS 81-56-□



EXPS • EXWS 116-41-□
 EXPFS • EXWFS 113-42-□
 EXS 106-31-□



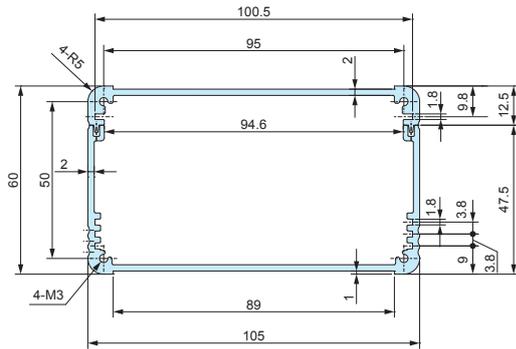
EXPS • EXWS 116-56-□
 EXPFS • EXWFS 113-57-□
 EXS 106-46-□



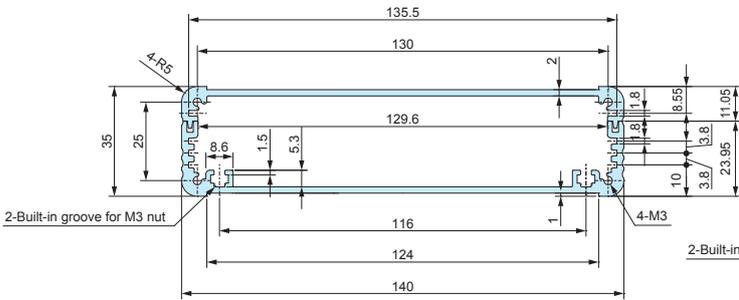
Cross-section view of top & bottom covers

■ DXF/DWG/PDF drawings available on our website.

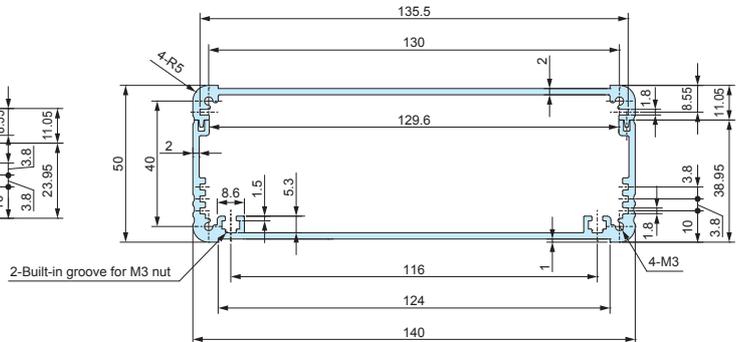
- EXPS • EXWS 116-71-□
- EXPFS • EXWFS 113-72-□
- EXS 106-61-□



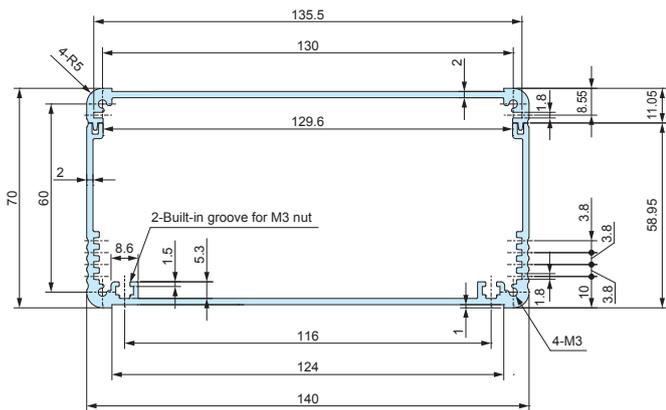
- EXPS • EXWS 151-46-□
- EXPFS • EXWFS 148-47-□
- EXS 141-36-□



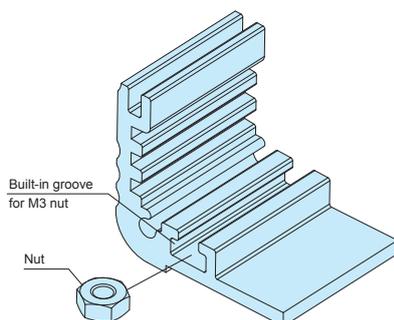
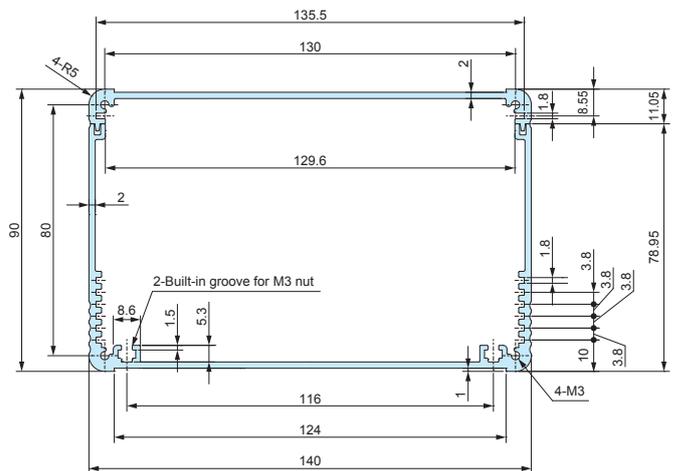
- EXPS • EXWS 151-61-□
- EXPFS • EXWFS 148-62-□
- EXS 141-51-□



- EXPS • EXWS 151-81-□
- EXPFS • EXWFS 148-82-□
- EXS 141-71-□



- EXPS • EXWS 151-101-□
- EXPFS • EXWFS 148-102-□
- EXS 141-91-□

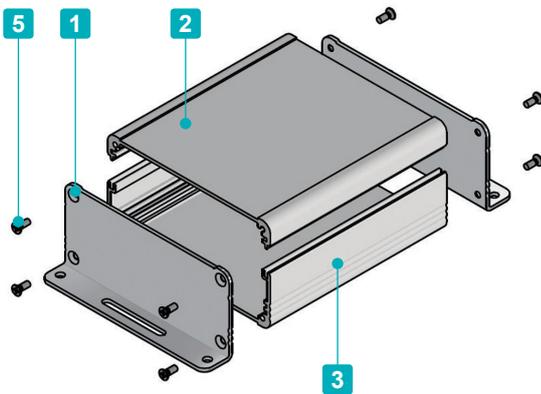


- Optional M3 nut is available.
- Sliding nut can be used on EXPS • EXPFS • EXWS • EXWFS • EXS models with width 140mm or larger bottom covers and with width 230mm and 285mm top covers.
- See page EF-36 • MT-3N for MT-3N optional M3 nut.

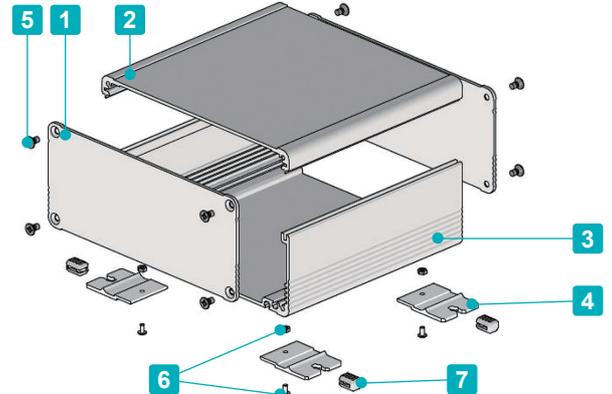


- Selectable in 20 different Width / Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm.
- Equipped with flanged panel or bracket for easy wall mounting.
- Flanged panel type or flanged bracket type extruded aluminium enclosure.
- Rubber feet are included only on EXFS19-□, 23-□ and 29-□ models.

Flanged panel type EXFS6-□, 8-□, 11-□ and 14-□



Flanged bracket type EXFS19-□, 23-□ and 29-□



Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged panel (EXFS 61-□, 81-□, 106-□ and 141-□) Panel (EXFS 187-□, 232-□, and 288-□)	2	Aluminium A1050P	Silver • Black / Anodized
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
4	Flange bracket (only for EXFS 187-□, 232-□, and 288-□)	4	Extruded aluminium A6063S-T5	Metallic silver / Painted
5	Panel screw (Phillips head)	8	Stainless steel	Unfinished
6	Flange screw (EXFS 187-□, 232-□, and 288-□)	4 each	Steel	Black trivalent chromate
7	Rubber feet (EXFS 187-□, 232-□, and 288-□)	8	Silicone	Black

■ See page EXFS-5 to 8 for Top / Bottom cover dimensions.

Product Number

To determine a product number, fill W-H, D length and select Color code in the following blank boxes.

Product no. EXFS -

1 W-H **1** D length **2** Color code

Numbering example: W-H:106-48 x D:123 and SB color code → EXPFS106-48-123SB

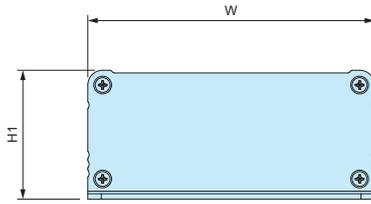
EXFS -

1 Dimensions

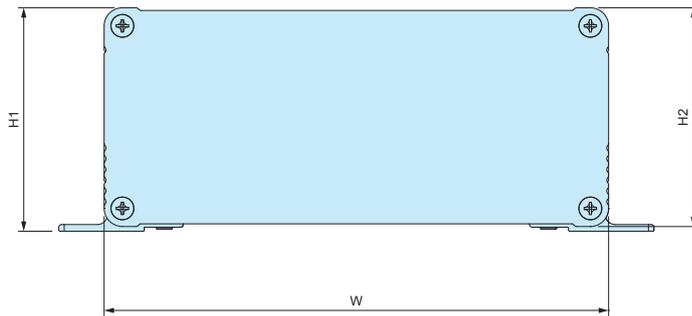
To select W-H dimensions from the table below, and D length in 1mm intervals.

Width-Height dimensions

Flanged panel type EXFS61-□, 81-□, 106-□ and 141-□

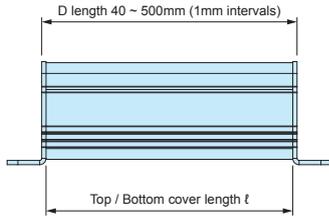


Flanged bracket type EXFS187-□, 232-□ and 288-□



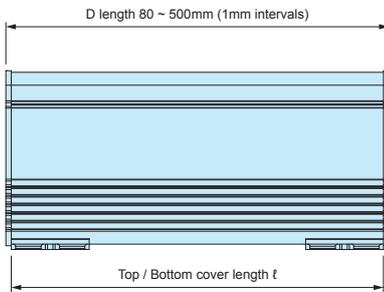
W-H No.	W	H1	H2
61- 28	60.6	27.6	-
61- 38	60.6	37.6	-
61- 53	60.6	52.6	-
81- 33	80.6	32.6	-
81- 43	80.6	42.6	-
81- 58	80.6	57.6	-
106- 33	106	33	-
106- 48	106	48	-
106- 63	106	63	-
141- 38	141	38	-
141- 53	141	53	-
141- 73	141	73	-
141- 93	141	93	-
187- 44	186.5	45.25	43.5
187- 62	186.5	63.25	61.5
187- 82	186.5	83.25	81.5
187-107	186.5	108.25	106.5
232- 52	232	53.5	52
232- 77	232	78.5	77
232-102	232	103.5	102
288- 78	287.5	78.75	77.5
288-128	287.5	128.75	127.5

D length



Flanged panel type
EXFS 61-□, 81-□, 106-□ and 141-□

W-H No.	ℓ
61-□	D-4
81-□	D-4
106-□	D-4
141-□	D-4
187-□	D-5
232-□	D-6
288-□	D-6



Flanged bracket type
EXFS 187-□, 232-□ and 288-□

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

■ See page EXFS-3 detailed dimensions.

2 Color

To select color code from the table below.

*For flange bracket models, color will be the same as top • bottom cover.

Code	S S Silver / Silver	S B Silver / Black	B S Black / Silver	B B Black / Black
Color				

Lead Time

Custom Size Only
Custom Size + Hole Milling

4 business days (1 ~ 5 pcs)
9 business days (1 ~ 5 pcs)

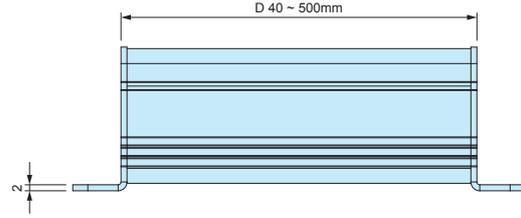
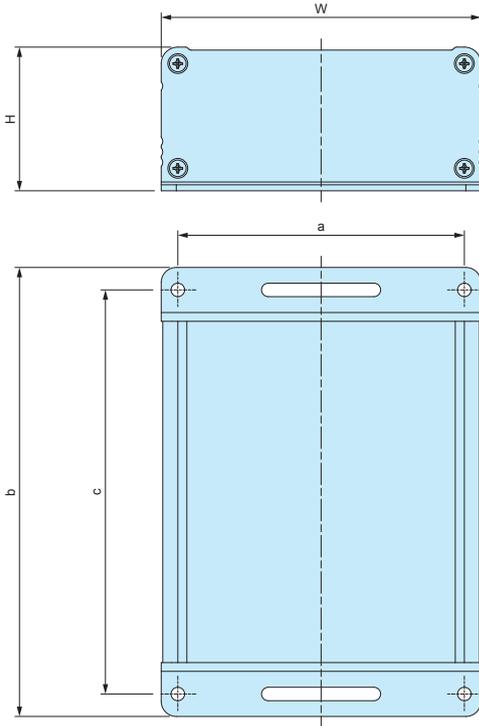
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp.

EXFS Dimensions

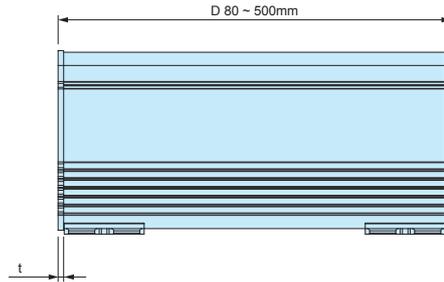
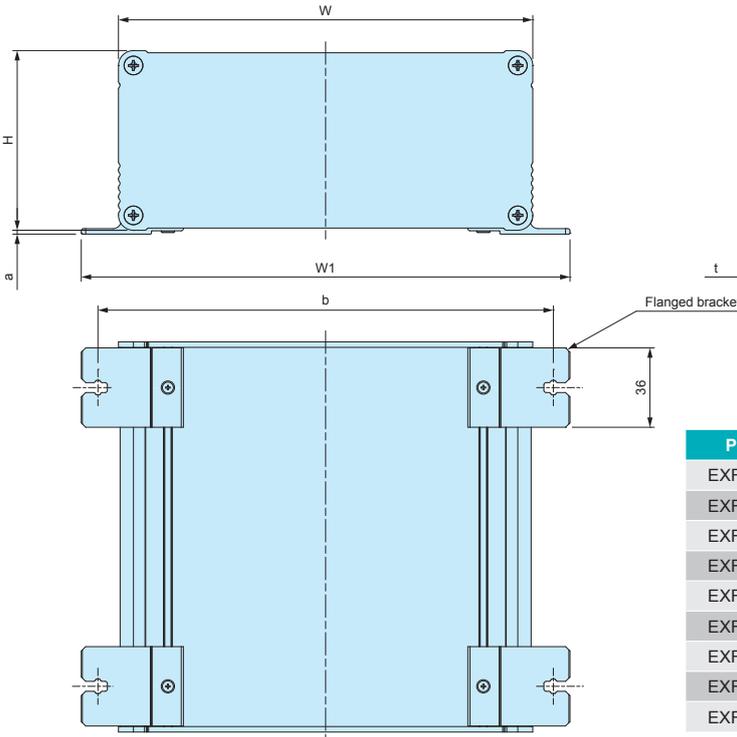
■ DXF/DWG/PDF drawings available on our website.

Flanged panel type EXFS61-□, 81-□, 106-□ and 141-□



Product no.	W	H	a	b	c
EXFS 61-28-□	60.6	27.6	52	D+28	D+16
EXFS 61-38-□	60.6	37.6	52	D+28	D+16
EXFS 61-53-□	60.6	52.6	52	D+28	D+16
EXFS 81-33-□	80.6	32.6	72	D+32	D+20
EXFS 81-43-□	80.6	42.6	72	D+32	D+20
EXFS 81-58-□	80.6	57.6	72	D+32	D+20
EXFS106-33-□	106	33	95	D+32	D+17
EXFS106-48-□	106	48	95	D+32	D+17
EXFS106-63-□	106	63	95	D+32	D+17
EXFS141-38-□	141	38	130	D+32	D+17
EXFS141-53-□	141	53	130	D+32	D+17
EXFS141-73-□	141	73	130	D+32	D+17
EXFS141-93-□	141	93	130	D+32	D+17

Flanged bracket type EXFS187-□, 232-□ and 288-□



Product no.	W	W1	H	a	b	t
EXFS187- 44-□	186.5	220	43.5	1.75	205	2.5
EXFS187- 62-□	186.5	220	61.5	1.75	205	2.5
EXFS187- 82-□	186.5	220	81.5	1.75	205	2.5
EXFS187-107-□	186.5	220	106.5	1.75	205	2.5
EXFS232- 52-□	232	265	52	1.5	250	3
EXFS232- 77-□	232	265	77	1.5	250	3
EXFS232-102-□	232	265	102	1.5	250	3
EXFS288- 78-□	287.5	320	77.5	1.25	305	3
EXFS288-128-□	287.5	320	127.5	1.25	305	3

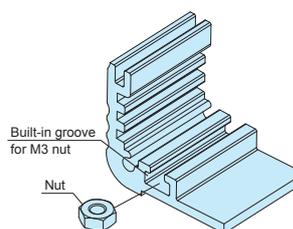
Accessories (Optional parts)



Rubber strain relief cord protector CBS series
See page CBS



Embedded battery box BC series
See page 125 ~ 128



Sliding nut for EXF • EXFS MT-3N
See page EXF • EXFS-4



Insert nut adhesive standoff AST series
See page 121

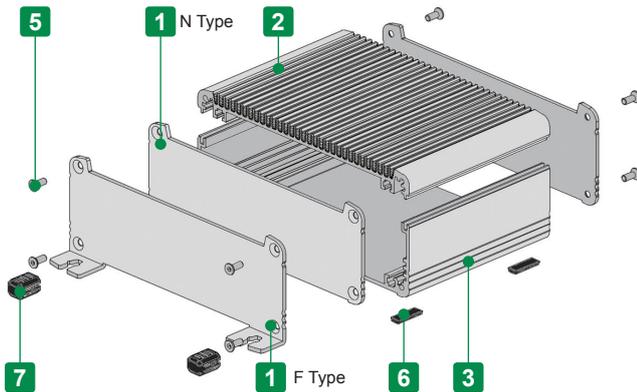


- Selectable in 19 different Width / Height types, with adjustable length (depth) in 1mm intervals from 40 to 500mm (80 to 500mm for flanged type).
N (no flange type) and F (flange type) are available.
- Custom sized aluminium enclosure equipped with a highly efficient heat-sink top cover.
- Suitable to be used as a fanless PC, power amplifier, power supply etc., where heat dissipation is required.

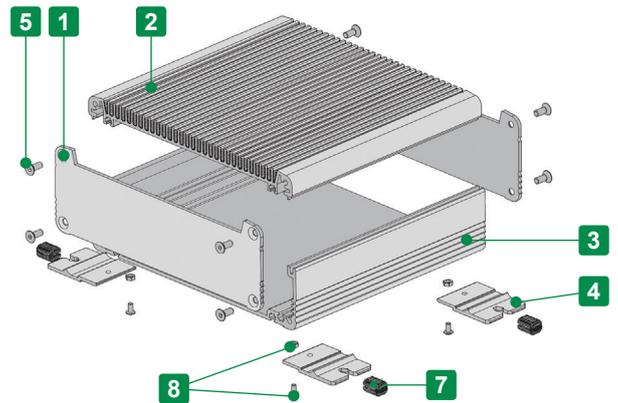


- Each heat-sink fin is constructed in a wave-like shape to maximize the heat dissipation effect.

EXHS N Type • F Type (W = 141mm or smaller)



EXHS F Type (W = 187mm or larger)



Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel (N Type • F Type - W = 187mm or larger) Flange panel (F Type - W = 141mm or smaller)	2	Aluminium A1050P	Metallic silver / Painted (Unfinished inside) : Black / Anodized
2	Heat-sink top cover	1	Extruded aluminium A6063S-T5	Metallic silver / Painted : Black / Anodized
3	Bottom frame	1	Extruded aluminium A6063S-T5	Metallic silver / Painted : Black / Anodized
4	Flange bracket (F Type - W = 187mm or larger)	4	Extruded aluminium A6063S-T5	Metallic silver / Painted : Black / Anodized
5	Panel screw (Hexagonal)	8	Stainless steel	Unfinished
6	Rubber feet (N Type only)	4	Polyurethane • Synthetic rubber	Black
7	Rubber feet Insert (F type only)	4	Silicone	Black
8	Flange screw & nut (F Type - W = 187mm or larger)	4	Steel	Black trivalent chromate

- See page EXHS-4 ~ EXHS-6 for Heat-sink top cover / Bottom frame dimensions.
- Rubber feet material : Polyurethane : EXHS81-31-□ ~ 187-107-□ models • Synthetic rubber : EXHS232-52-□ ~ 288-128-□ models.

Product Number

To determine the product number, fill in the □ with detail **1** ~ **3** on page EXHS-2.

Product no. **EXHS** - -

1 W-H **1** D length **2** Flange type **3** Color type

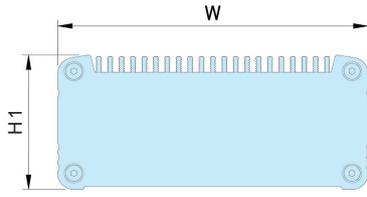
Example : W-H = 106-46.4 , D = 123 mm, no flange type, and S color.

EXHS 106 - 46 - 123 N S

1 Dimensions

Width-Height dimension

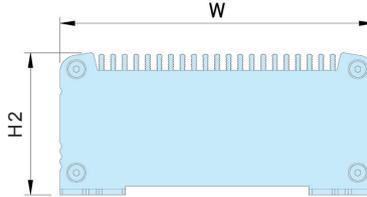
N No flange type



F Flanged type (187-□, 232-□, 288-□)



F Flanged type (81-□, 106-□, 141-□)



To select a Width-Height dimension number from the table below.

W-H No.	W	H1	H2
81- 31	80.6	30.7	32.8
81- 41	80.6	40.7	42.8
81- 56	80.6	55.7	57.8
106- 31	106	31.1	33.1
106- 46	106	46.1	48.1
106- 61	106	61.1	63.1
141- 36	141	36.1	38.1
141- 51	141	51.1	53.1
141- 71	141	71.1	73.1
141- 91	141	91.1	93.1
187- 44	186.5	43.5	73.1
187- 62	186.5	61.5	—
187- 82	186.5	81.5	—
187-107	186.5	106.5	—
232- 52	232	52	—
232- 77	232	77	—
232-102	232	102	—
NEW 288- 78	287.5	77.5	—
NEW 288-128	287.5	127.5	—

■ **N** (No flange type) and **F** (Flanged type) is selectable. Refer to **2** Flange selection below.

D length

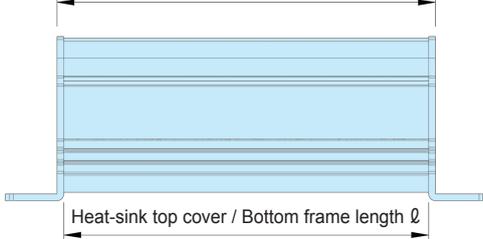
D length 40 ~ 500mm (1mm intervals)

※F type (W 187mm or larger) 80 ~ 500mm



Heat-sink top cover / Bottom frame length ℓ

D length 40 ~ 500mm (1mm intervals)



Heat-sink top cover / Bottom frame length ℓ

To specify D length in 1mm interval between 40 ~ 500 mm.

N No flange type

F Flanged type (187-□, 232-□, 288-□)

W-H No.	ℓ
81-□	D-4
106-□	D-4
141-□	D-4
187-□	D-5
232-□	D-6
288-□	D-6

■ Both panel thickness added on
Top cover/Bottom frame length is D length.

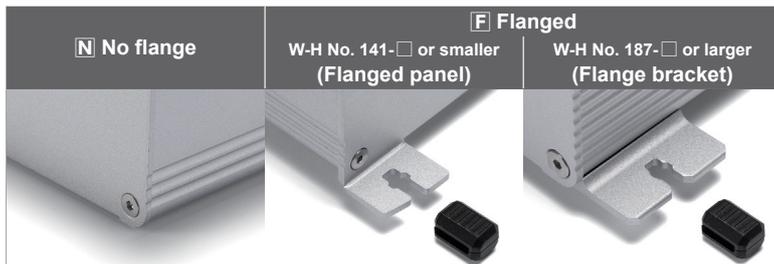
F Flanged type (81-□, 106-□, 141-□)

■ D length can be specified in 0.1mm intervals with cutting tolerances at ±0.3mm.
Cutting tolerance for 1.0 mm intervals shall be ±0.2mm.

■ See page EXHS-4 ~ EXHS-6 for detail dimensions

2 Flange

To select a flange type from the 2 types below.



3 Color

To select a color type from the 2 combinations below.



Lead Time

Custom Size Only
Custom Size + Hole Milling

10 business days (1 ~ 10 pcs)
15 business days (1 ~ 10 pcs)

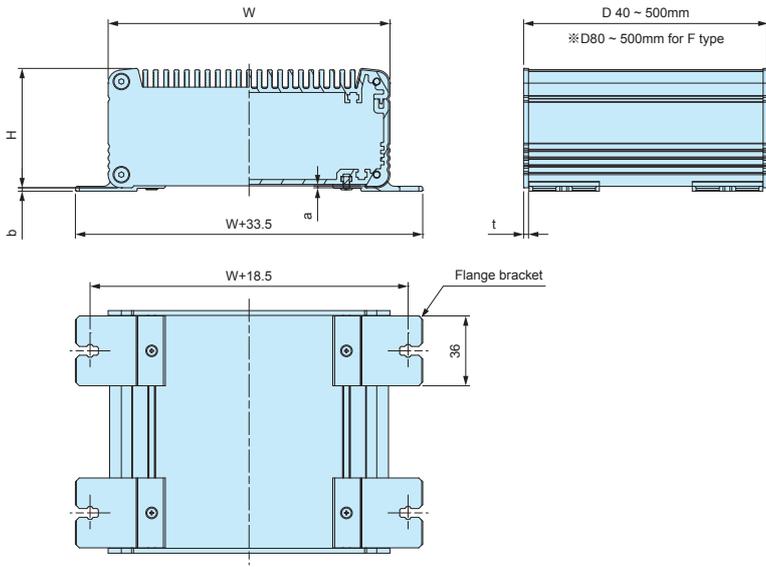
Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

EXHS dimensions

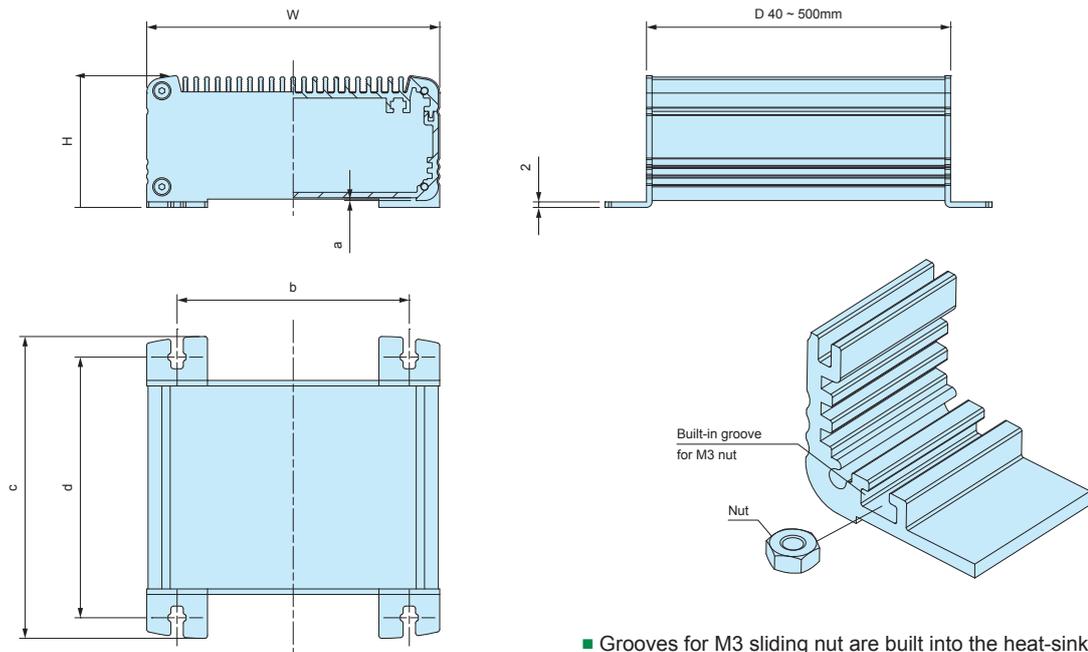
■ DXF/DWG/PDF drawings available on our website.

EXHS N type / F type (187-□ • 232-□ • 288-□)
 ※No flange bracket comes with N type.



Product no.	W	H	a	b	t
EXHS 81- 31-□	80.6	30.7	0.9	—	2
EXHS 81- 41-□	80.6	40.7	0.9	—	2
EXHS 81- 56-□	80.6	55.7	0.9	—	2
EXHS106- 31-□	106	31.1	1	—	2
EXHS106- 46-□	106	46.1	1	—	2
EXHS106- 61-□	106	61.1	1	—	2
EXHS141- 36-□	141	36.1	1	—	2
EXHS141- 51-□	141	51.1	1	—	2
EXHS141- 71-□	141	71.1	1	—	2
EXHS141- 91-□	141	91.1	1	—	2
EXHS187- 44-□	186.5	43.5	1	1.75	2.5
EXHS187- 62-□	186.5	61.5	1	1.75	2.5
EXHS187- 82-□	186.5	81.5	1	1.75	2.5
EXHS187-107-□	186.5	106.5	1	1.75	2.5
EXHS232- 52-□	232	52	1	1.5	3
EXHS232- 77-□	232	77	1	1.5	3
EXHS232-102-□	232	102	1	1.5	3
EXHS288- 78-□	287.5	77.5	1	1.25	3
EXHS288-128-□	287.5	127.5	1	1.25	3

EXHS F type (81-□ • 106-□ • 141-□)



Included screws
 EXHS81-□ models : M2.5-8x8pcs
 EXHS106-□,141-□ models : M3-8x8pcs
 EXHS187-□ models : M4-10x8pcs
 EXHS232-□, 288-□ models : M5-10x8pcs
 ※Hexagonal wrench included.

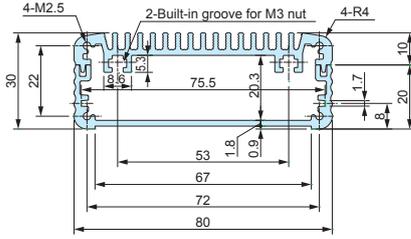
■ Grooves for M3 sliding nut are built into the heat-sink top cover and bottom frame (140mm or wider).
 Optional nut is available.

Product no.	W	H	a	b	c	d
EXHS 81- 31-□F	80.6	32.8	0.9	62.6	D+30	D+15
EXHS 81- 41-□F	80.6	42.8	0.9	62.6	D+30	D+15
EXHS 81- 56-□F	80.6	57.8	0.9	62.6	D+30	D+15
EXHS106- 31-□F	106	33.1	1	84	D+32	D+17
EXHS106- 46-□F	106	48.1	1	84	D+32	D+17
EXHS106- 61-□F	106	63.1	1	84	D+32	D+17
EXHS141- 36-□F	141	38.1	1	119	D+32	D+17
EXHS141- 51-□F	141	53.1	1	119	D+32	D+17
EXHS141- 71-□F	141	73.1	1	119	D+32	D+17
EXHS141- 91-□F	141	93.1	1	119	D+32	D+17

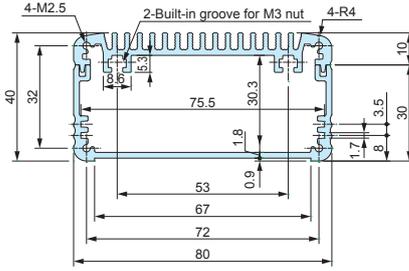
Cross-section view of heat-sink top cover & bottom frame

■ DXF/DWG/PDF drawings available on our website.

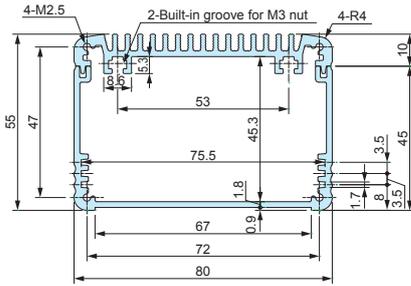
EXHS81-31-□



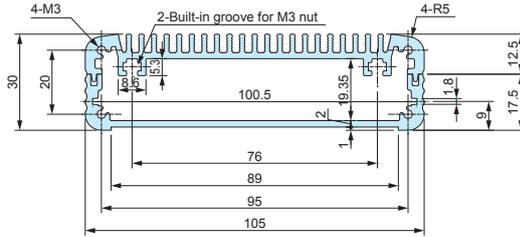
EXHS81-41-□



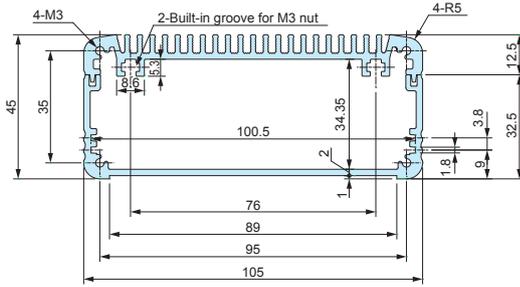
EXHS81-56-□



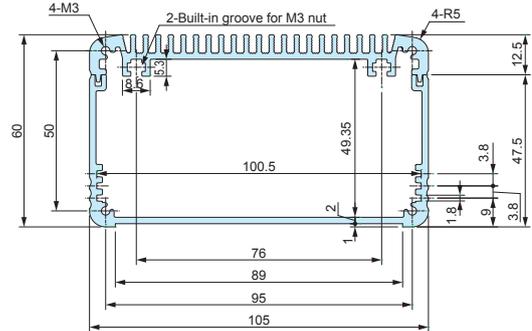
EXHS106-31-□



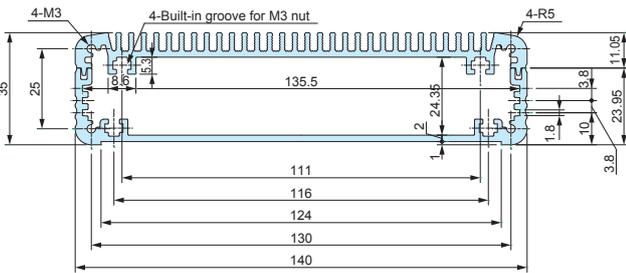
EXHS106-46-□



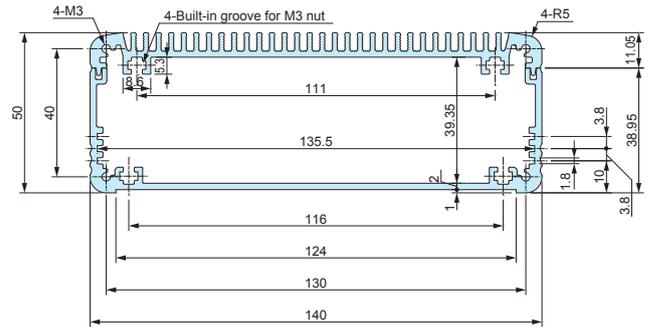
EXHS106-61-□



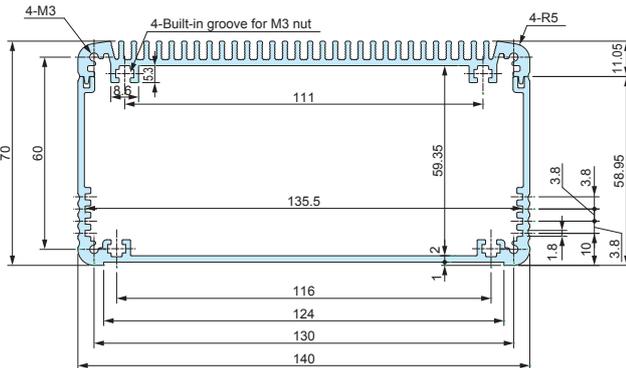
EXHS141-36-□



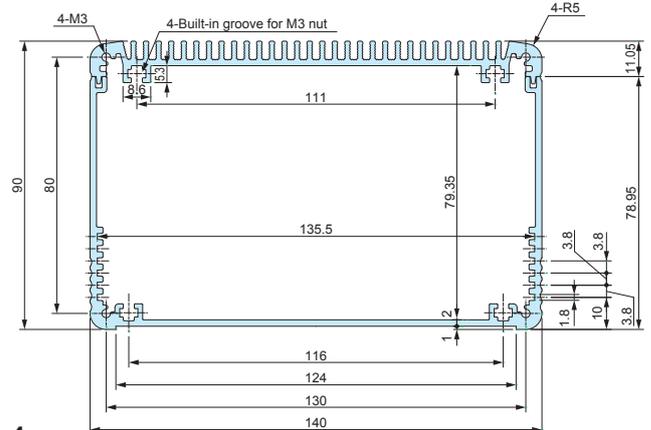
EXHS141-51-□



EXHS141-71-□



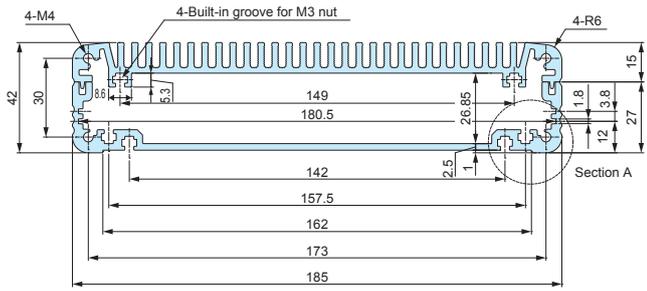
EXHS141-91-□



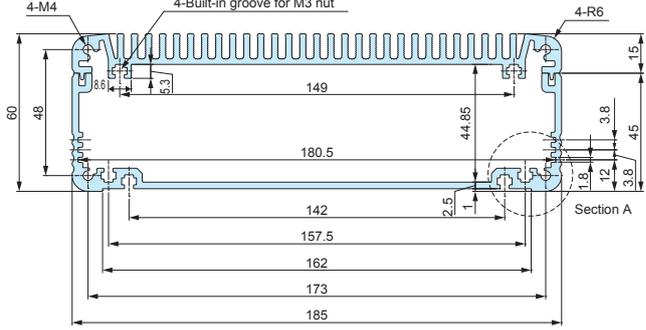
Cross-section view of heat-sink top cover & bottom frame

■ DXF/DWG/PDF drawings available on our website.

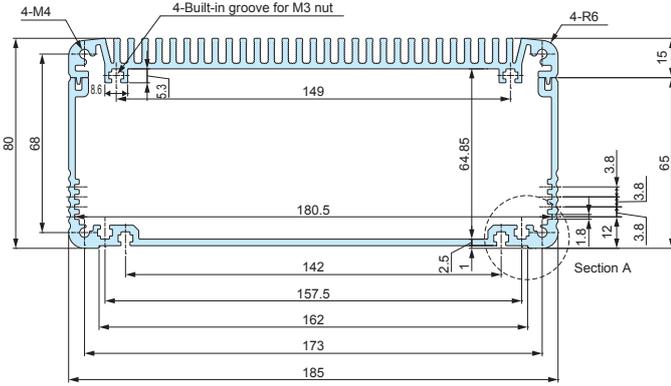
EXHS187-44-□



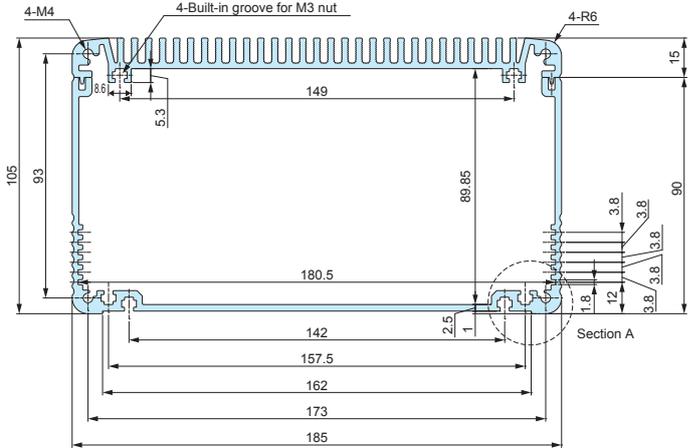
EXHS187-62-□



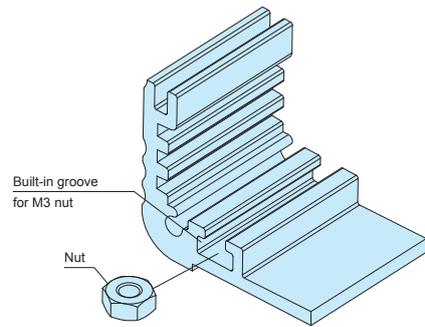
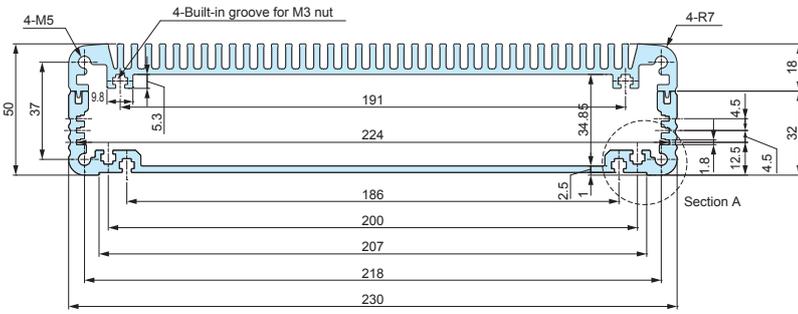
EXHS187-82-□



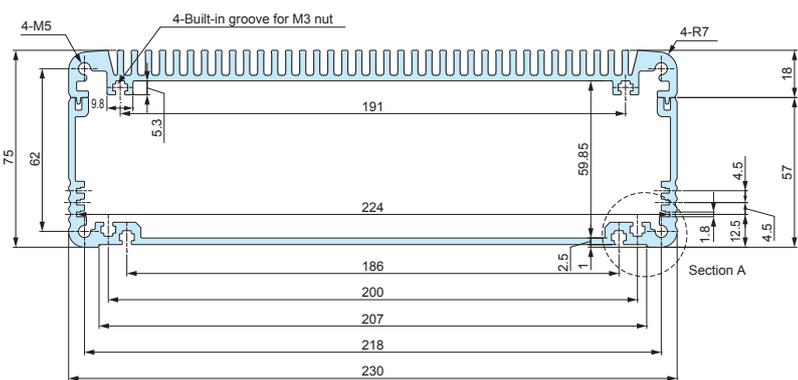
EXHS187-107-□



EXHS232-52-□



EXHS232-77-□



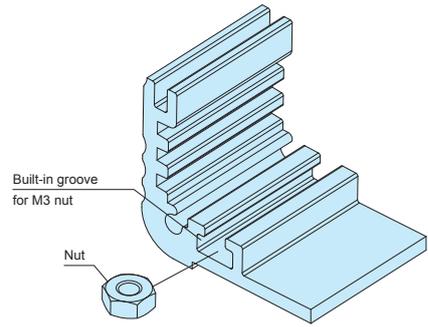
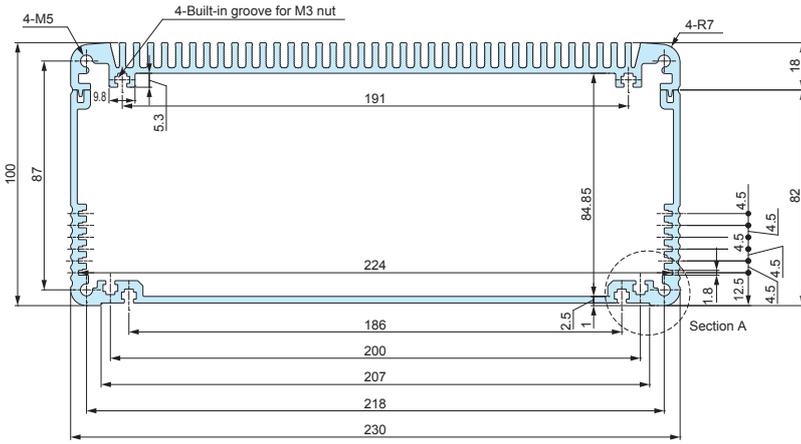
■ Optional M3 nut is available.
 Sliding nut can be used on all EXHS models with width 140mm and larger bottom covers, as well as all heat-sink top covers.
 See page EF-36 • MT-3N for MT-3N optional M3 nut.

※ See page EXHS-6 for detailed dimensions of Section A

Cross-section view of heat-sink top cover & bottom frame

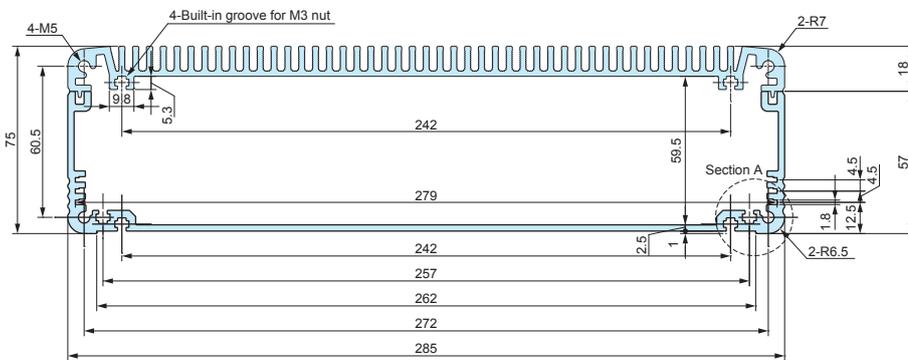
■ DXF/DWG/PDF drawings available on our website.

EXHS232-102-□

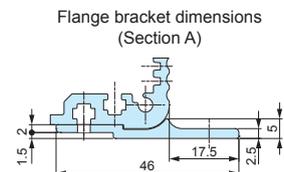
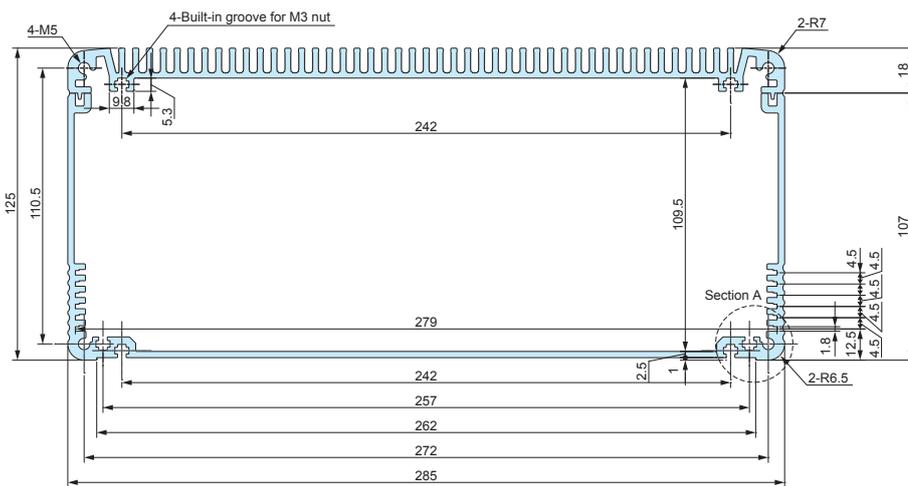


■ Optional M3 nut is available.
Sliding nut can be used on all EXHS models with width 140mm or larger bottom covers, as well as all heat-sink top covers.
See page EF-36 • MT-3N for MT-3N optional M3 nut.

EXHS288-78-□

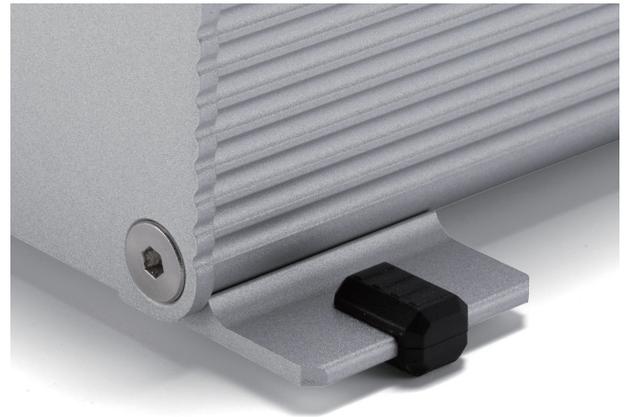
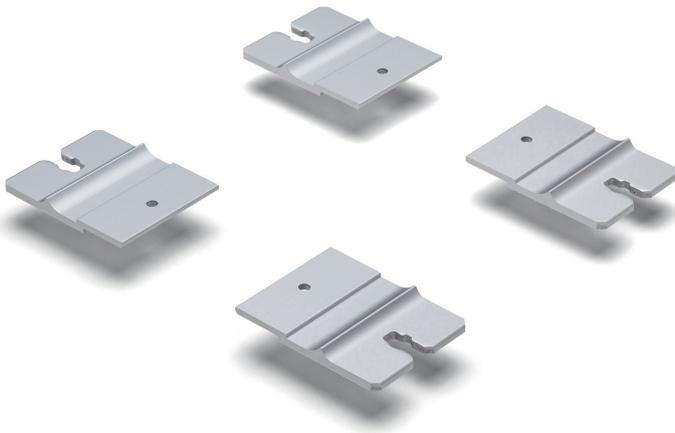


EXHS288-128-□

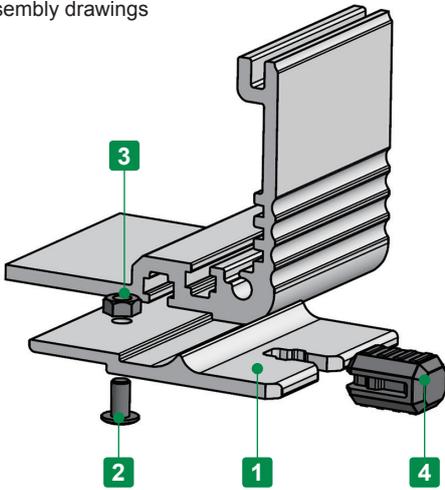


EF-36 series

WALL MOUNTING BRACKET for EXS • EXHS

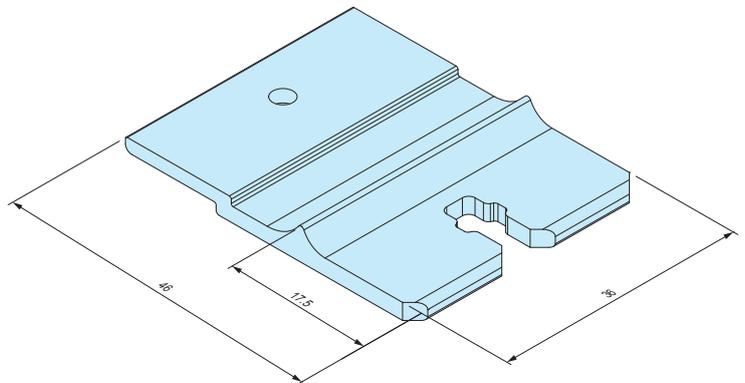


Assembly drawings



Utilize rubber feet inserts when placing on tables or flat surfaces.

EF-36 dimensions



■ DXF/DWG/PDF/STP drawings available on our website.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Bracket	4	Extruded aluminium A6063S-T5	Metallic silver / Painted : Black / Anodized
2	Screw (Slim head M3-6)	4	Steel	Black trivalent chromate
3	Nut (For M3 screw)	4	Steel	Black trivalent chromate
4	Insert rubber feet	4	Silicone	Black

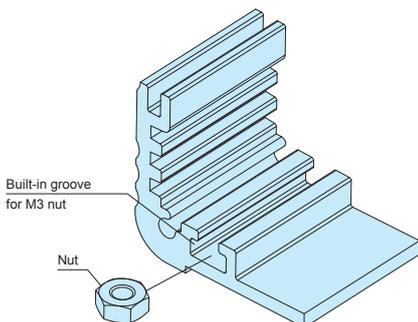
Product no.

Product no.	
● Metallic silver / Painted	● Black / Anodized
EF-36S	EF-36B

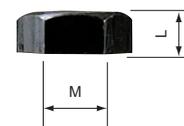
■ Applicable to be used on EXS series with 185mm or larger bottom covers, and EXHS series with 187mm or larger bottom covers.

MT-3N

SLIDING NUT for EXPS • EXPFS • EXWS • EXWFS • EXS • EXHS



MT-3N dimensions



Product no. / Dimensions

Product no.	M	L	Material	Finish	Pack of
MT-3N	3	2.4	Steel	Black trivalent chromate	50

■ Sliding nut can be used on all EXPS • EXPFS • EXWS • EXWFS • EXS models with width 140mm or larger bottom covers and with width 230mm and 285mm top covers, as well as on all EXHS models with width 140mm or larger bottom covers and on all heat-sink top cover sizes.

TLW series TILT LEG



APPLICATION EXAMPLE

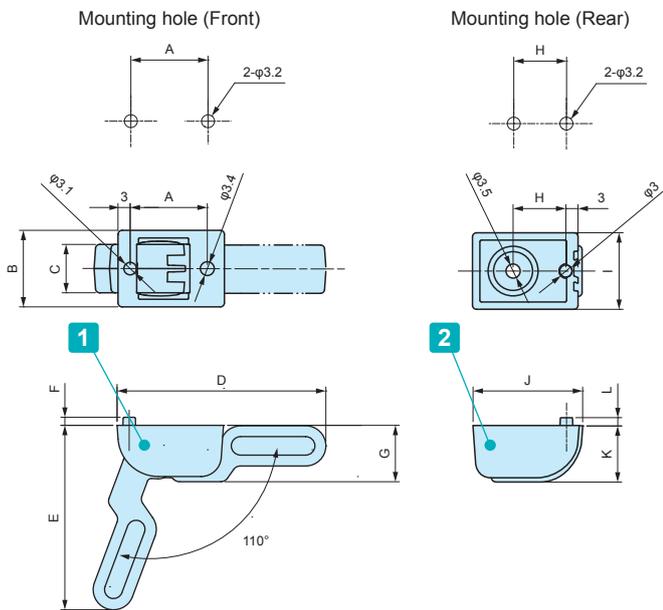
- Double shot injection molded feet with soft and well-designed rounded shape.
- Non-slip design with Elastomer (TPE) pad.
- Available in 3 different color patterns (2 color patterns for TLW-70 models).
- TLW-70E models are exclusively for use with width 185mm or larger bottom covers of EXP • EXPE • EXW • EX • EXH • EXHE aluminium enclosures.

Technical Data
Max load : 7kg

Components

No.	Part name	Pcs	Material	Color / Finish
1	Front foot	2	PC + ABS UL94V-0 • TPE	Black & Black • Navy & Gray • Light gray & Gray
2	Rear foot	2	PC + ABS UL94V-0 • TPE	Black & Black • Navy & Gray • Light gray & Gray
-	Screw	4	Steel M3-8 pan head	Black trivalent chromate
-	Nut	4	Steel M3	Black trivalent chromate

TLW dimensions



■ DXF/DWG/PDF/STP drawings available on our website.

- TLW-70E□□ models are for installation (with M3 nut) into the built-in grooves on bottom-covers of EXP • EXPE 20-6, EXH • EXHE • EX 19-4 or larger models.
- Hole milling is required to install TLW-46□□ and TLW-70□□ models.
- Max installation panel thickness : t = 3.5mm



Product no. / Details

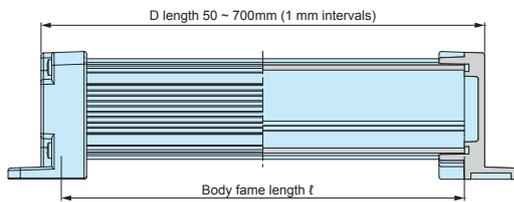
Product no.	A	B	C	D	E	F	G	H	I	J	K	L	Color (plastic)	Color (TPE)	Weight (g)
TLW-46BB	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Black	Black	23
TLW-46NG	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Navy	Gray	23
TLW-46LG	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Light gray	Gray	23
TLW-70EBB	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Black	Black	59
TLW-70ENG	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Navy	Gray	59
TLW-70ELG	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Light gray	Gray	59
TLW-70BB	30	25	16	75.4	69	2	21.5	20	25	39	21.5	2	Black	Black	59
TLW-70LG	30	25	16	75.4	69	2	21.5	20	25	39	21.5	2	Light gray	Gray	59

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

55-39 (W-H)	66-71 (W-H)	81-51 (W-H)	86-92 (W-H)	106-62 (W-H)
Same as AW5-4-□	Same as AW7-7-□	Same as AW8-5-□	Same as AW9-9-□	Same as AW11-6-□
120-77 (W-H)	156-87 (W-H)	206-87 (W-H)		
Same as AW12-8-□	Same as AW16-9-□	Same as AW21-9-□		

D length



- D length can be requested in 0.1mm intervals, but with higher tolerances (± 0.3 mm).
- *D length may vary due to expansion and contraction of gasket from screw tightening
- Refer to the chart on AW-Frame-2 for body frame length l .

2 Shielding • Color

To select a type and color code from the table below.

Normal - N type			EMC Shielded - E type	
Metallic gray / Silver N G S	Black / Silver N B S	Black / Black N B B	Silver / Silver E S S	Black / Black E B B

3 Screw

To select screw type.



EMC Shielded - E type equipped with painted panels (unfinished inside) and conductive gasket.

Product Number

To determine the product number, fill W-H and D, select Shielding • Color code and Screw type in the following blank boxes.

Product no. AWS - -

1 W-H
1 D length
2 Shielding type
2 Color code
3 Screw type

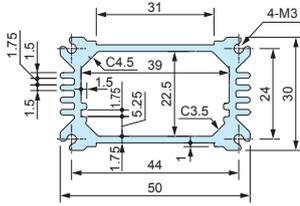
Numbering example: W-H:156-87 x D:456, EMC type, BB color code and Hex screw type

➔ **AWS156-87-456EBBH**

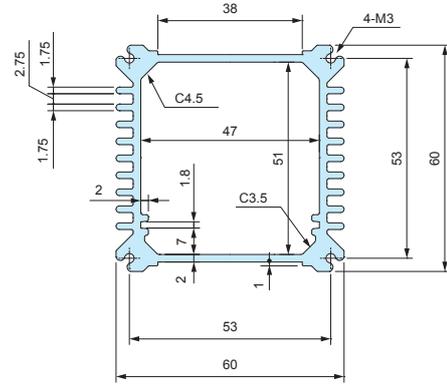
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

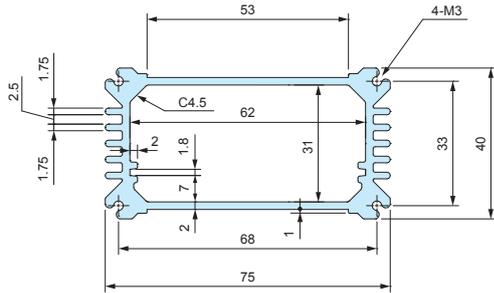
- AWS55-39-□
- AWNS55-35-□
- AWAS52-32-□



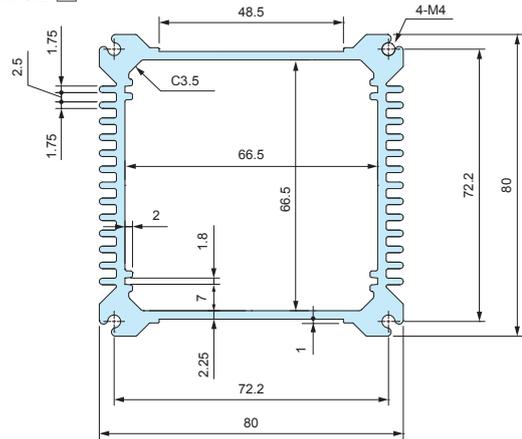
- AWS66-71-□
- AWNS66-66-□
- AWAS61-61-□



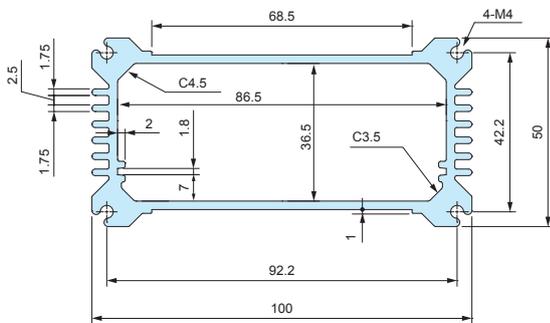
- AWS81-51-□
- AWNS81-46-□
- AWAS76-41-□



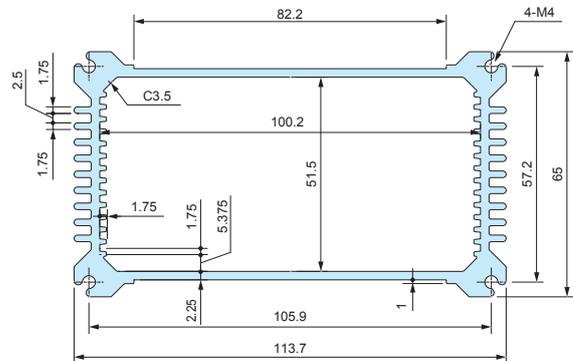
- AWS86-92-□
- AWNS86-86-□
- AWAS82-82-□



- AWS106-62-□
- AWNS106-56-□
- AWAS102-52-□



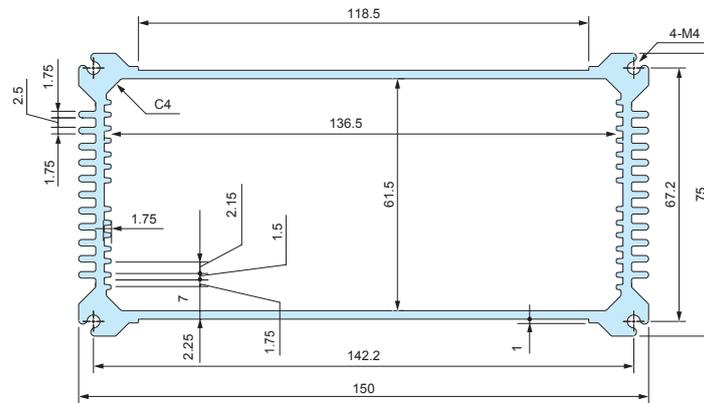
- AWS120-77-□
- AWNS120-71-□
- AWAS116-67-□



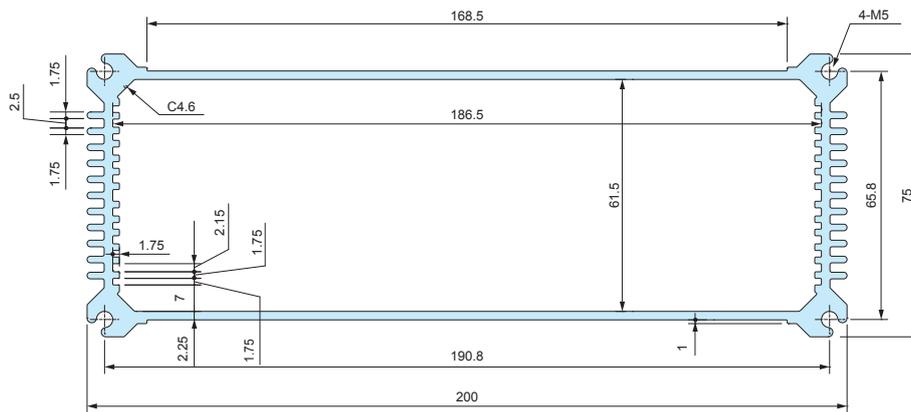
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

- AWS156-87-□
- AWNS156-81-□
- AWAS152-77-□



- AWS206-87-□
- AWNS206-81-□
- AWAS202-77-□



Product no.	Frame length (ℓ)
AWS55-39-□ AWNS55-35-□	D-15.8
AWS66-71-□ AWNS66-66-□	D-16
AWS81-51-□ AWNS81-46-□	D-16
AWS86-92-□ AWNS86-86-□	D-19
AWS106-62-□ AWNS106-56-□	D-19.4
AWS120-77-□ AWNS120-71-□	D-19.4
AWS156-87-□ AWNS156-81-□	D-19.4
AWS206-87-□ AWNS206-81-□	D-22.2

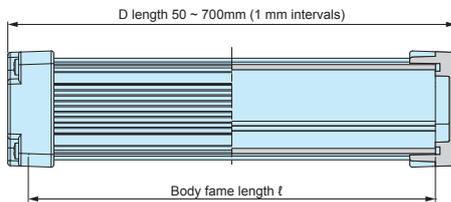
Product no.	Frame length (ℓ)
AWAS52-32-□	D-4
AWAS61-61-□	D-4
AWAS76-41-□	D-4
AWAS82-82-□	D-5
AWAS102-52-□	D-5
AWAS116-67-□	D-5
AWAS152-77-□	D-5
AWAS202-77-□	D-6

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

55-35 (W-H)	66-66 (W-H)	81-46 (W-H)	86-86 (W-H)	106-56 (W-H)
Same as AWN5-4-□	Same as AWN7-7-□	Same as AWN8-5-□	Same as AWN9-9-□	Same as AWN11-6-□
120-71 (W-H)	156-81 (W-H)	206-81 (W-H)		
Same as AWN12-8-□	Same as AWN16-9-□	Same as AWN21-9-□		

D length



- D length can be requested in 0.1mm intervals, but with higher tolerances (± 0.3 mm).
- *D length may vary due to expansion and contraction of gasket from screw tightening
- Refer to the chart on AW-Frame-2 for body frame length l .

2 Shielding • Color

To select a type and color code from the table below.

Normal - N Type			EMC Shielded - E type	
Metallic gray / Silver N G S	Black / Silver N B S	Black / Black N B B	Silver / Silver E S S	Black / Black E B B

3 Screw

To select screw type.

Plus or Hex screw can be selected.



EMC Shielded - E type equipped with painted panels (unfinished inside) and conductive gasket.

Product Number

To determine a product number, fill W-H and D, select Shielding • Color code and Screw type in the following blank boxes.

Product no. AWNS - -

1 W-H
1 D length
2 Shielding type
2 Color code
3 Screw type

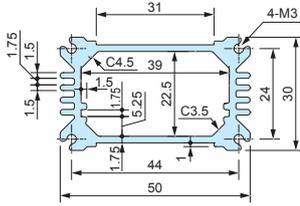
Numbering example: W-H:106-56 x D:123, EMC type, SS color code and Hex screw type

➔ **AWNS106-56-123ESSH**

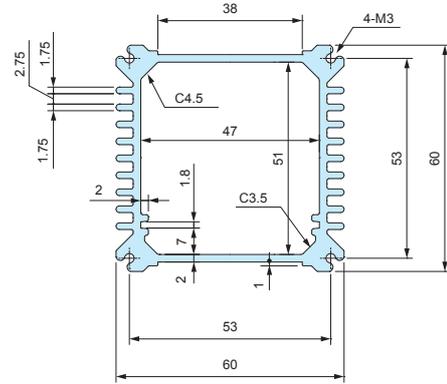
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

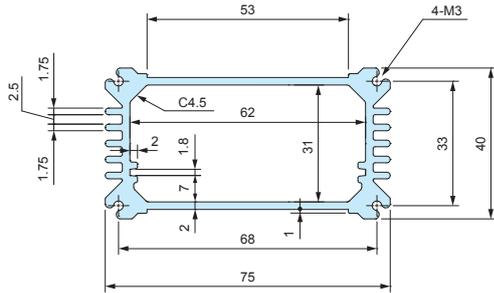
- AWS55-39-□
- AWNS55-35-□
- AWAS52-32-□



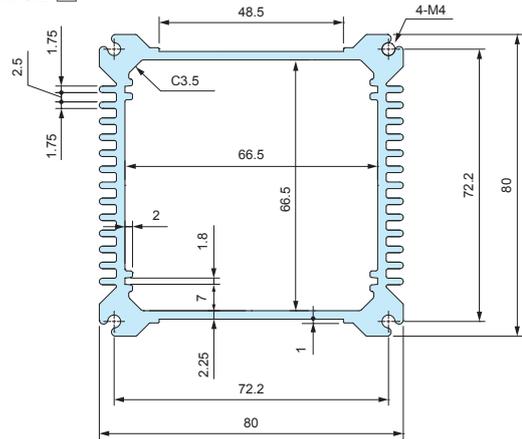
- AWS66-71-□
- AWNS66-66-□
- AWAS61-61-□



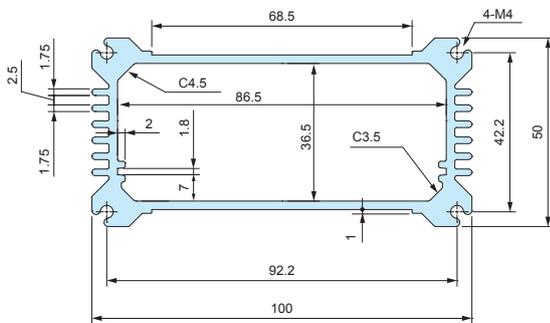
- AWS81-51-□
- AWNS81-46-□
- AWAS76-41-□



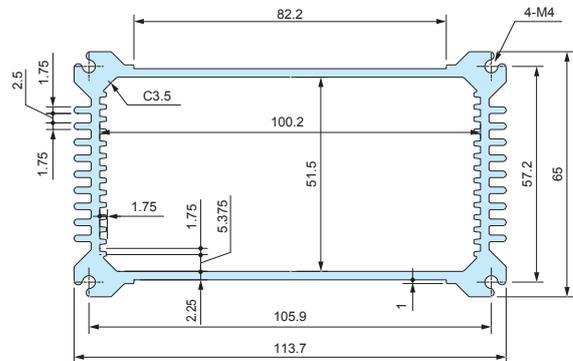
- AWS86-92-□
- AWNS86-86-□
- AWAS82-82-□



- AWS106-62-□
- AWNS106-56-□
- AWAS102-52-□



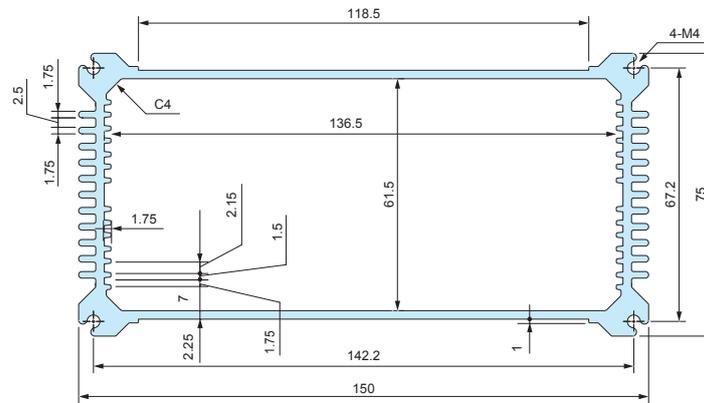
- AWS120-77-□
- AWNS120-71-□
- AWAS116-67-□



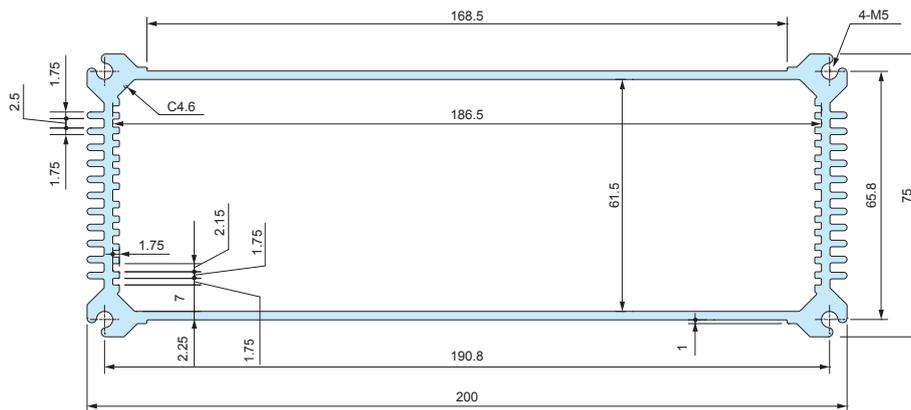
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

- AWS156-87-□
- AWNS156-81-□
- AWAS152-77-□



- AWS206-87-□
- AWNS206-81-□
- AWAS202-77-□

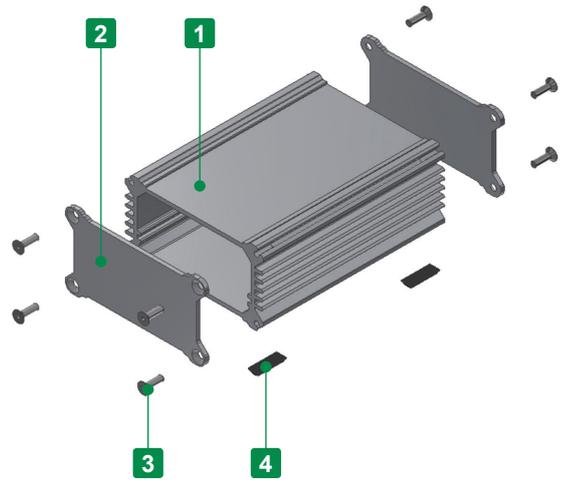


Product no.	Frame length (ℓ)
AWS55-39-□ AWNS55-35-□	D-15.8
AWS66-71-□ AWNS66-66-□	D-16
AWS81-51-□ AWNS81-46-□	D-16
AWS86-92-□ AWNS86-86-□	D-19
AWS106-62-□ AWNS106-56-□	D-19.4
AWS120-77-□ AWNS120-71-□	D-19.4
AWS156-87-□ AWNS156-81-□	D-19.4
AWS206-87-□ AWNS206-81-□	D-22.2

Product no.	Frame length (ℓ)
AWAS52-32-□	D-4
AWAS61-61-□	D-4
AWAS76-41-□	D-4
AWAS82-82-□	D-5
AWAS102-52-□	D-5
AWAS116-67-□	D-5
AWAS152-77-□	D-5
AWAS202-77-□	D-6

AWAS SERIES

CUSTOM SIZED HEATSINK ALUMINIUM ENCLOSURE



- Conductivity is achieved by utilizing the contact between the unfinished end panels side, and the unfinished ends of the frame.
- Selectable in 8 different Width / Height types, with adjustable length (depth) in 1mm intervals from 50 to 700mm.
- PCB or chassis can be horizontally mounted by sliding into an inner-grooved body frame.
- Suitable for industrial fanless PC, measuring instrument, digital audio amplifier and so on.

Included screws :
 AWAS 52-32-□, 61-61-□, 76-41-□ models : Hex countersunk M3-8 x 8 pcs
 AWAS 82-82-□, 102-52-□, 116-67-□, 152-77-□ models : Hex countersunk M4-10 x 8 pcs
 AWAS 202-77-□ models : Hex countersunk M5-10 x 8 pcs
 ※Hexagonal wrench included

Components

No.	Part name	Pcs	Material	Color / Finish
1	Body frame	1	Extruded aluminium A6063S-T5	Silver / Anodized
2	End panel	2	Aluminium A1050P	Silver / Anodized (outside) : Unfinished (inside)
3	Hex socket screw	8	Stainless steel	Unfinished
4	Rubber feet	4	Polyurethane	Black

Confirm Product No.

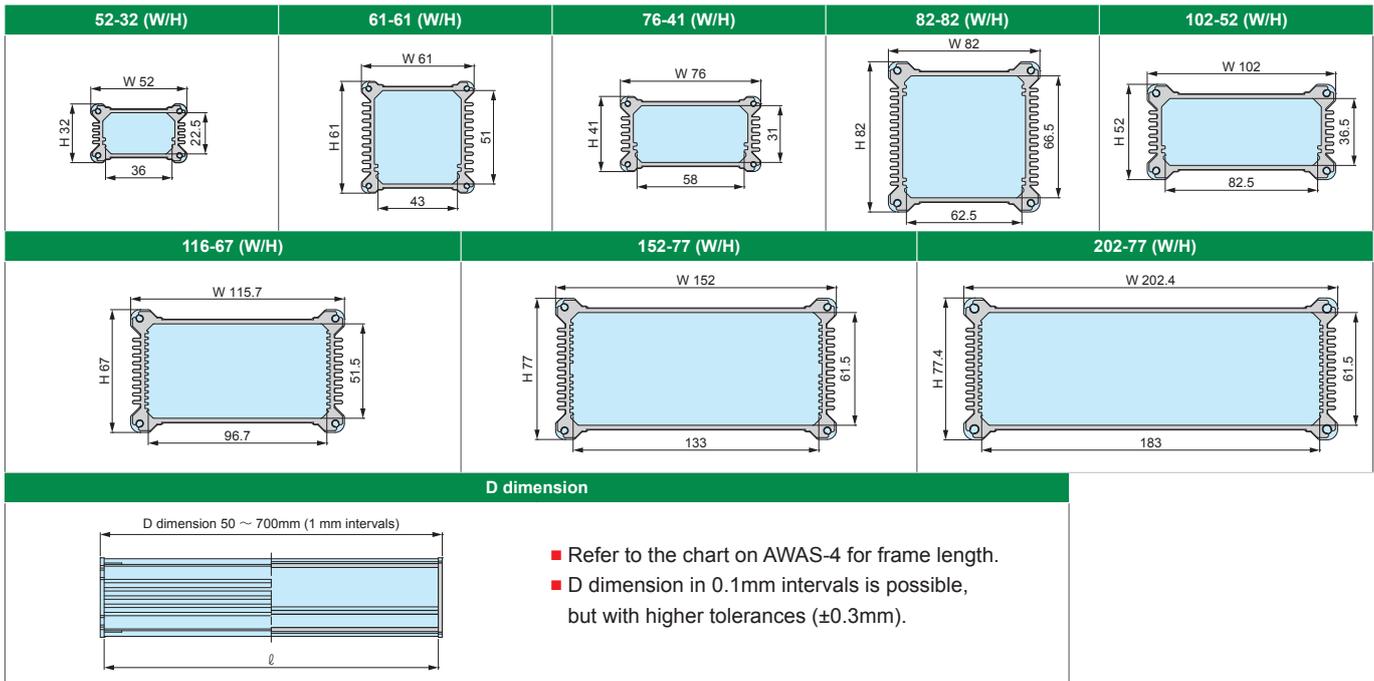
Confirm product no. with **1** values on page AWAS-2.

Product no. AWAS - SS
W H D Color Code

Example : W/H = 102-52, D = 321mm
 AWAS - SS

1 Specify Dimensions

Specify W/H dimensions from the below chart, and D dimension in 1mm intervals.



Only SS (Silver / Silver) color type is available for the AWAS series.



Accessories (Optional parts)



Mounting plate AWSC series
See page AWSC-1



Aluminium isolation feet AFS • AFM series
See page AFS • AFM-1 ~ AFS • AFM-2

Lead time

Custom Size Only

4 business days (1 ~ 10 pcs)

Custom Size + Hole Milling

10 business days (1 ~ 10 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

AWSC SERIES CUSTOM SIZED MOUNTING PLATE for AWS • AWNS • AWAS

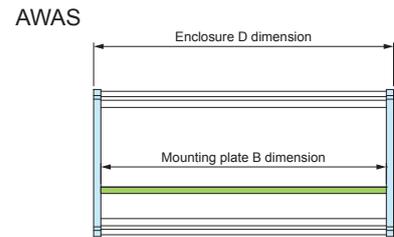
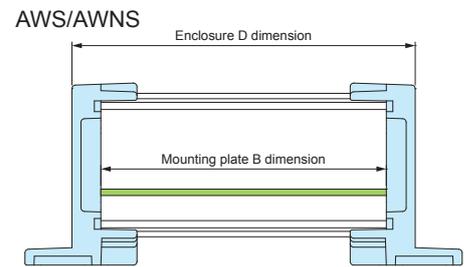
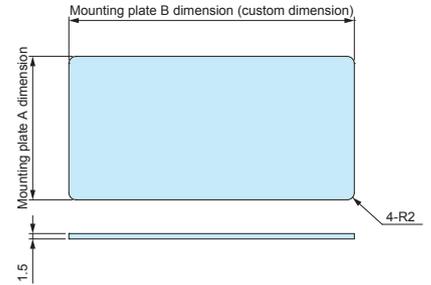


- Adjustable sizes available to be fitted for the custom sized AWS, AWNS or AWAS enclosures.
- Can be slid in and out for easy maintenance access.
- Easily customizable.

■ Material / Finish : Aluminium A1050P / Silver anodized

Mounting plate dimensions

Enclosure W-H product no.	Mounting plate A dimension	Mounting plate B dimension	Enclosure W type
AWS55-39/AWNS55-35	38.9	Enclosure D dimension-15.8	55
AWAS52-32	38.9	Enclosure D dimension-4	52
AWS66-71/AWNS66-66	47	Enclosure D dimension-16	66
AWAS61-61	47	Enclosure D dimension-4	61
AWS81-51/AWNS81-46	61.8	Enclosure D dimension-16	81
AWAS76-41	61.8	Enclosure D dimension-4	76
AWS86-92/AWNS86-86	66.5	Enclosure D dimension-19	86
AWAS82-82	66.5	Enclosure D dimension-5	82
AWS106-62/AWNS106-56	86.5	Enclosure D dimension-19.4	106
AWAS102-52	86.5	Enclosure D dimension-5	102
AWS120-77/AWNS120-71	100.2	Enclosure D dimension-19.4	120
AWAS116-67	100.2	Enclosure D dimension-5	116
AWS156-87/AWNS156-81	136.3	Enclosure D dimension-19.4	156
AWAS152-77	136.3	Enclosure D dimension-5	152
AWS206-87/AWNS206-81	186.1	Enclosure D dimension-22.2	206
AWAS202-77	186.1	Enclosure D dimension-6	202



Confirm Product No. Confirm product code with enclosure W product code and enclosure D dimension.

Mounting Plate Product No. **AWSC** -
 Enclosure W type Enclosure D dimension

Example : Enclosure W-H dimensions (i.e. AWS81-51) = 81-51, Enclosure D dimension = 234mm
AWSC -

Lead time

Custom Size Only 4 business days (1 ~ 10 pcs)
 Custom Size + Hole Milling 8 business days (1 ~ 10 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

AWSP series

SILICONE PROTECTOR for AWN



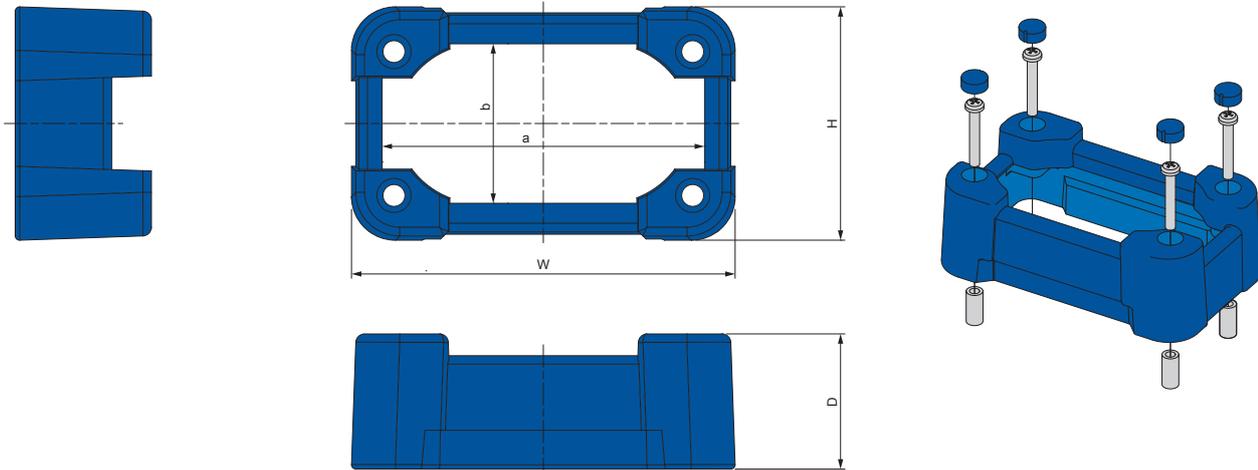
Color Type

Code	B Black	G Gray	N Navy
Color			

■ Silicone protector for AWN series.

AWSP dimensions

■ DXF/DWG/PDF drawings available on our website.



Components

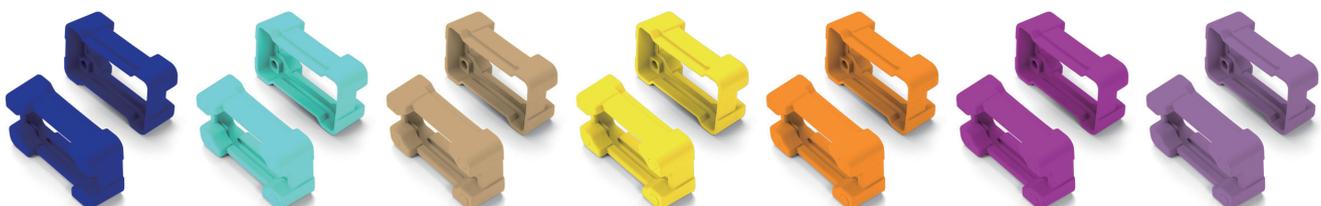
No.	Part name	Pcs	Material	Color / Finish
1	Protector	2	Silicone	Black • Gray • Navy
2	Blind cap	8	Silicone	Black • Gray • Navy
3	Spacer	8	POM	White
4	Screw	8	Stainless steel	Unfinished

Product no. / Details

■ Please suffix color code at the end of the product number.

Product no.	W	H	D	a	b	Screw size	Suitable models	Weight (g)
AWSP 8-5□	87.4	53.6	31	73.4	36.6	M3	AWN 8-5-□	100.5
AWSP 9-9□	93.9	95.1	35.5	76.9	75.1	M4	AWN 9-9-□	184.5
AWSP11-6□	113.9	65.1	35.5	96.9	45.1	M4	AWN11-6-□	186
AWSP12-8□	127.6	80.1	35.5	110.6	60.1	M4	AWN12-8-□	201
AWSP16-9□	163.9	90.1	35.5	145.9	69.1	M4	AWN16-9-□	235
AWSP21-9□	213.9	90.1	39.5	192.9	66.1	M5	AWN21-9-□	333

■ Protect switches and/or connectors on end panels from impact when dropped, etc. Custom color is available from just 1 set. For 250 sets or more, manufacturing costs will be similar to a standard color. Please inquire for more details. For custom color order, please specify **PANTONE®** color code.



1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

WH No.	Frame Width / Height
61-23	
86-30	
114-36	
134-41	

D length

D length 70 ~ 500mm (1mm intervals)

Available range (frame length) a

W-H No.	a
61-23	D-20
86-30	D-29.4
114-36	D-29.4
134-41	D-29.6

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

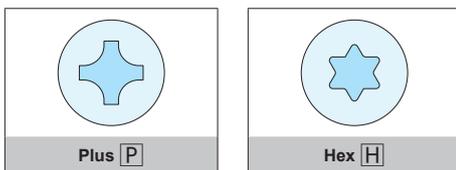
2 Color

To select color code from the table below.

Code	B B Black/Black	B G Black / Gray	B N Black / Navy	B L Black / Lime
Color				
Code	S B Silver/Black	S G Silver / Gray	S N Silver / Navy	S L Silver / Lime
Color				

3 Screw

To select screw type.



Product Number

To determine a product number, fill W-H and D, select Color code and Screw type in the following blank boxes.

Product no. MXFC - -

1 W-H **1** D length **2** Color code **3** Screw type

Numbering example: W-H:61-23 x D:123, SB color code and Hex screw type → **MXFC61-23-123SBH**

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

W-H No.	Frame Width / Height	W-H No.	Frame Width / Height	D length
41-15		82-24		 <ul style="list-style-type: none"> ■ $a = D - 6$ (all models) ■ D length can be requested in 0.1mm intervals, but with higher tolerances (± 0.3mm).
57-18		95-40		
70-20		110-30		
70-35		130-35		

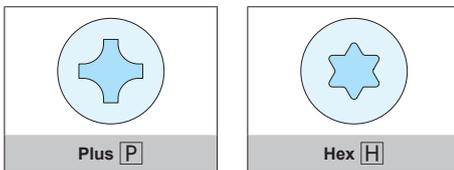
2 Color

To select color code from the table below.

Code	B B Black / Black	B S Black / Silver	B C Black / Cobalt	B G Black / Green	B P Black / Purple	B O Black / Orange	B R Black / Red
Color							
Code	S B Silver / Black	S S Silver / Silver	S C Silver / Cobalt	S G Silver / Green	S P Silver / Purple	S O Silver / Orange	S R Silver / Red
Color							

3 Screw

To select screw type.



Product Number

To determine a product number, fill W-H and D, select Color code and Screw type in the following blank boxes.

Product no. MXAC - -

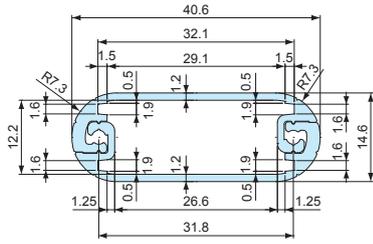
1 W-H
1 D length
2 Color code
3 Screw type

Numbering example: W-H:57-18 x D:123, SB color code and Plus screw type → **MXAC57-18-123SBP**

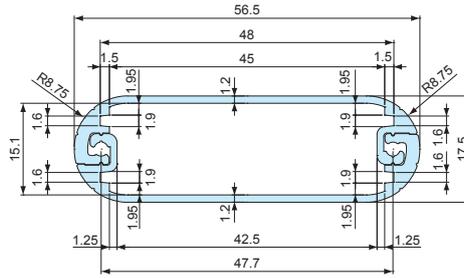
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

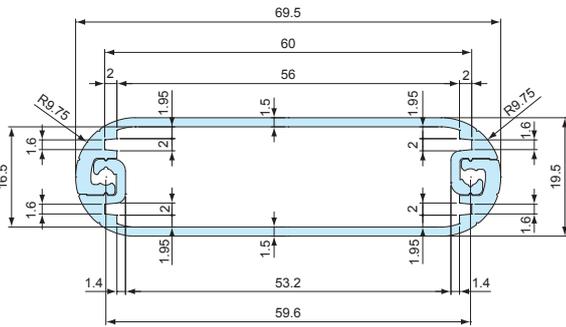
MXAC/MXC41-15-□



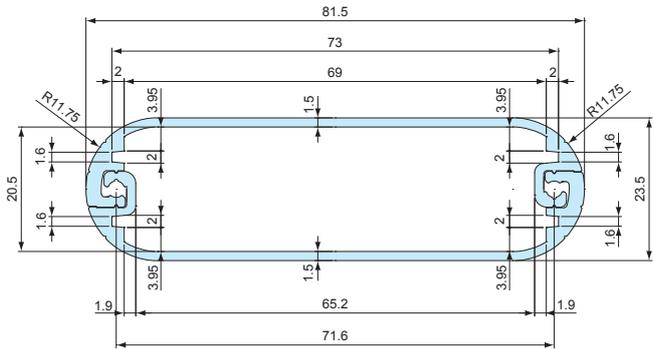
MXFC61-23-□
MXAC/MXC57-18-□



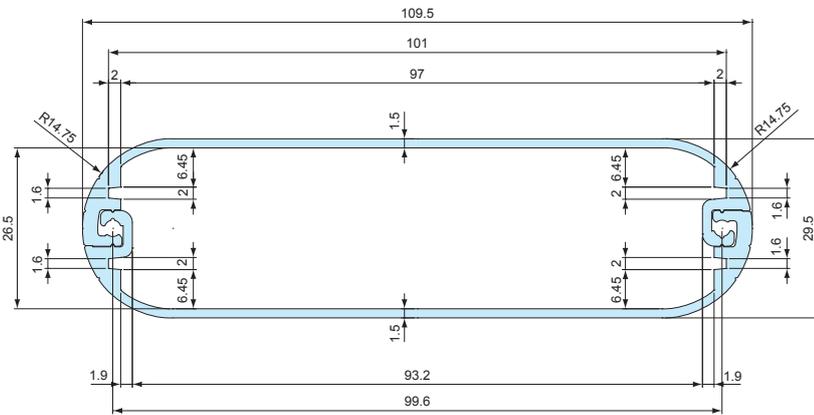
MXAC/MXC70-20-□



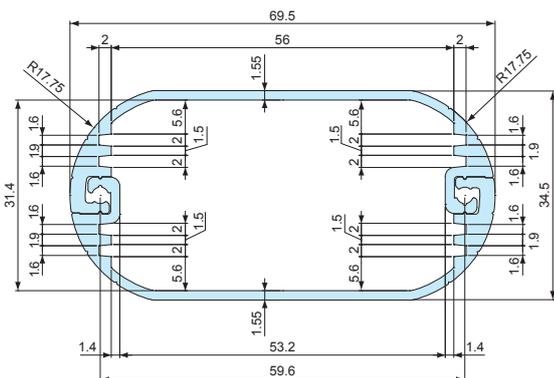
MXFC86-30-□
MXAC/MXC82-24-□



MXFC114-36-□
MXAC/MXC110-30-□



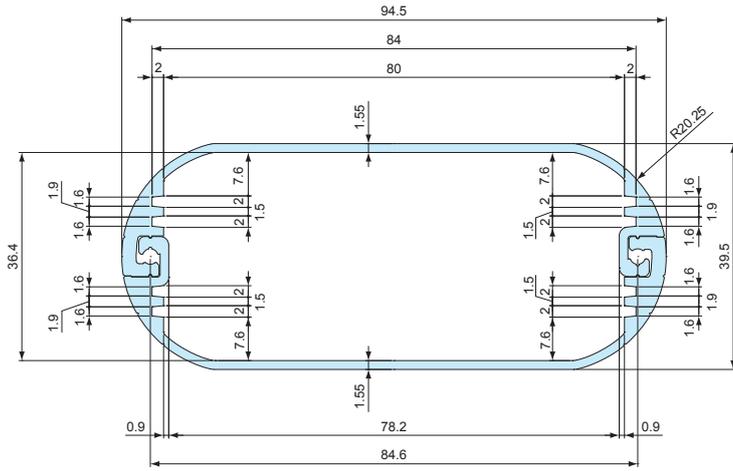
MXAC/MXC70-35-□



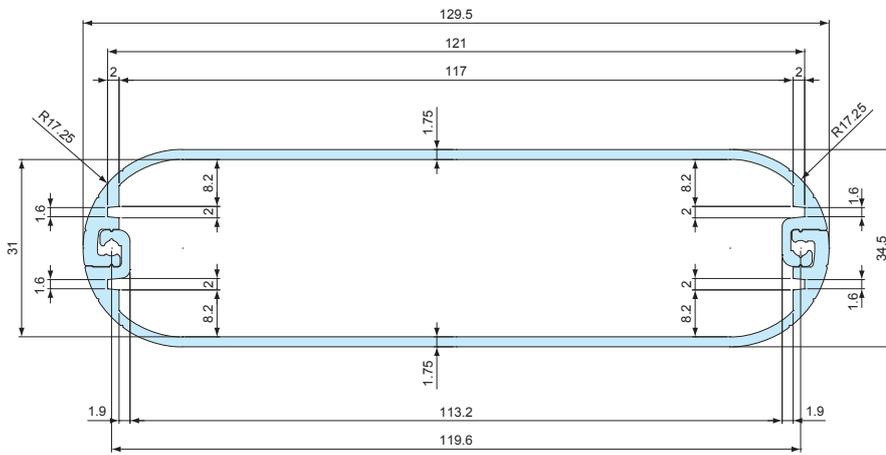
Cross-section view of frame

■ DXF/DWG/PDF drawings available on our website.

MXAC/MXC95-40-□



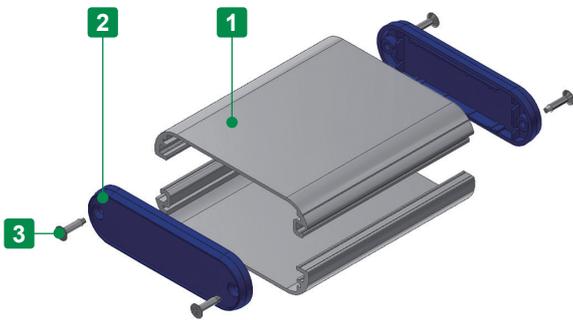
MXFC134-41-□
MXAC/MXC130-35-□



Product no.	Frame length (ℓ)
MXAC41-15-□	D-6
MXC41-15-□	D-12
MXFC61-23-□	D-25
MXAC57-18-□	D-6
MXC57-18-□	D-10
MXAC70-20-□	D-6
MXC70-20-□	D-12
MXFC86-30-□	D-36
MXAC82-24-□	D-6
MXC82-24-□	D-12
MXFC114-36-□	D-38
MXAC110-30-□	D-6
MXC110-30-□	D-14
MXAC70-35-□	D-6
MXC70-35-□	D-14
MXAC95-40-□	D-6
MXC95-40-□	D-16
MXFC134-41-□	D-40
MXAC130-35-□	D-6
MXC130-35-□	D-16



- Custom sized mobile enclosure with customizable D length from 35 to 500mm in 1mm intervals.
- Selectable in 8 different width/height variations.
- Available in 12 different color combinations.



Accessories (Optional parts)



Silicone band SIB series
See page 196

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	2	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
2	Panel	2	ABS UL94HB	Gray • Black / Unpainted Navy • Lime • Orange • Red / Painted
3	Self-tapping screw	4	Steel	Nickel plated • Black trivalent chromate

Lead Time

Custom Size Only
Custom Size + Hole Milling

4 business days (1 ~ 10 pcs)
10 business days (1 ~ 10 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

Visit the MXC product page on our website, click on the "CUSTOM SIZE WEB QUOTATION" button, and fill in the required details. The product number will be generated, and once your information have been filled in, simply click on SUBMIT and await for our sales team's contact!

1 Dimensions

To select W-H dimensions from the table below, and D length in 1mm intervals.

W-H No.	Frame Width / Height	W-H No.	Frame Width / Height
41-15		82-24	
57-18		95-40	
70-20		110-30	
70-35		130-35	

D length

D length 35 ~ 500mm (1mm intervals)

W-H No.	a	W-H No.	a
41-15	D-5.4	82-24	D-5.4
57-18	D-5	95-40	D-7
70-20	D-5.4	110-30	D-5.4
70-35	D-7	130-35	D-5.6

■ D length can be requested in 0.1mm intervals, but with higher tolerances (±0.3mm).

2 Color

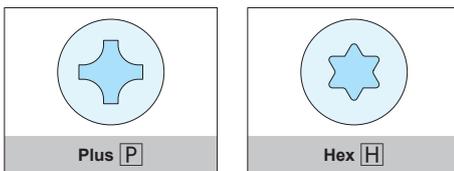
To select color code from the table below.

Panel color : Black • Gray / Unpainted - Other colors / Painted

Code	B B Black / Black	B G Black / Gray	B N Black / Navy	B L Black / Lime	B O Black / Orange	B R Black / Red
Color						
Code	S B Silver / Black	S G Silver / Gray	S N Silver / Navy	S L Silver / Lime	S O Silver / Orange	S R Silver / Red
Color						

3 Screw

To select screw type.



Product Number

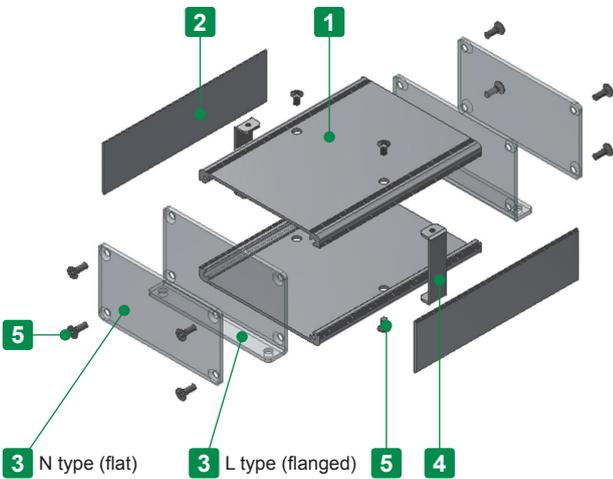
To determine a product number, fill W-H and D, select Color code and Screw type in the following blank boxes.

Product no. MXC - -

1 W-H **1** D length **2** Color code **3** Screw type

Numbering example: W-H:57-18 x D:123, SB color code and Plus screw type → **MXC57-18-123SBP**

KCF SERIES CUSTOM SIZED EXTRUDED ALUMINIUM ENCLOSURE



- Custom length aluminium enclosure. Selectable in 42 different width/height types with adjustable length from 30 to 1,000mm in 1mm intervals.
- Selectable in 4 different color combinations, with a flat type, or flanged type end panels.
- Made entirely of aluminium parts. Suitable to be used for wall mounting, or as a portable handheld unit.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top • bottom frame	2	Extruded aluminium A6063S-T5	Silver • Black / Anodized
2	Side frame	2	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	End panel	2	Aluminium A1050P	Silver • Black / Anodized
4	*Bracket	0 ~ 6	Steel SECC	Zinc coated
5	Screw	1 set	Steel	Nickel plated • Black trivalent chromate

Included screws
Slotted raised countersunk M3-5 x 0 ~ 12
Countersunk M3-8 (M2.6-8 for W20 models) x 8

* D length of 304mm or larger includes brackets.

Values within () are for W20 models.

D length	30 ~ 303	304 ~ 599	600 ~ 899	900 ~ 1,000
Pcs of bracket	-	2 (1)	4 (2)	6 (3)

The position where the bracket(s) are installed vary by D length. [Bracket installation holes are pre-drilled.]
Refer to the chart on page KCF-3 for the positions of bracket(s).

Confirm Product No.

Confirm the custom sized product number in the following order format as below.

Product no. KCF

- -
W **H** **D** **End panel code** **Color code**



Image : KCF75-50-96LSB

Example : W = 75 mm, H = 50 mm, D = 96mm, L type (flanged) end panels / SB color

KCF - -

1 Specify Dimensions

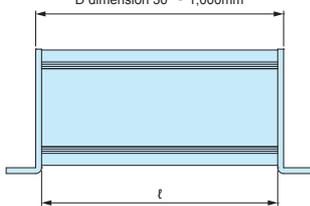
Select W x H type, and specify D dimension.

D \ W	W 20	W 50	W 60	W 75	W 100	W 125	W 150
H30							
H40							
H50							
H60							
H70							
H90							

D dimension

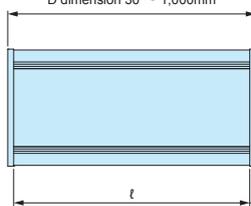
L type (flanged)

D dimension 30 ~ 1,000mm



N type (flat)

D dimension 30 ~ 1,000mm



*D dimension includes panel thickness. Please include panel thickness when selecting the size.

■ D dimension in 0.1mm intervals is possible, but with higher tolerances (± 0.3 mm).

■ $l = D - 4$ mm

2 Select End Panel Shape

Select from L (flanged) or N (flat) types.

Code	L (flanged)	N (flat)
Shape		

■ Refer to the drawings on page KCF-3 for the dimensions.

3 Select Color Code

Select from below 4 available color patterns

Code	SS	SB	BS	BB
Top • Bottom frame / Side frame	Silver	Silver	Black	Black
End panels	Silver	Black	Silver	Black

Lead time

Custom Size Only

4 business days (1 ~ 10 pcs)

Custom Size + Hole Milling

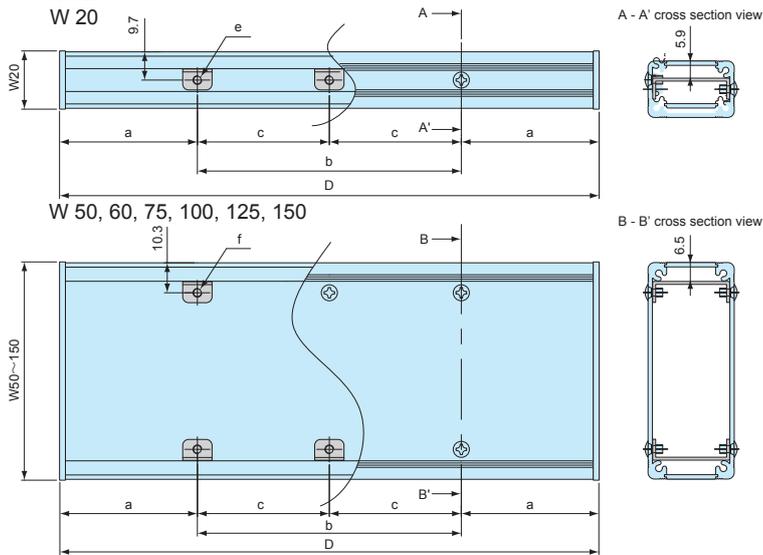
10 business days (1 ~ 10 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

KCF dimensions

Bracket positions

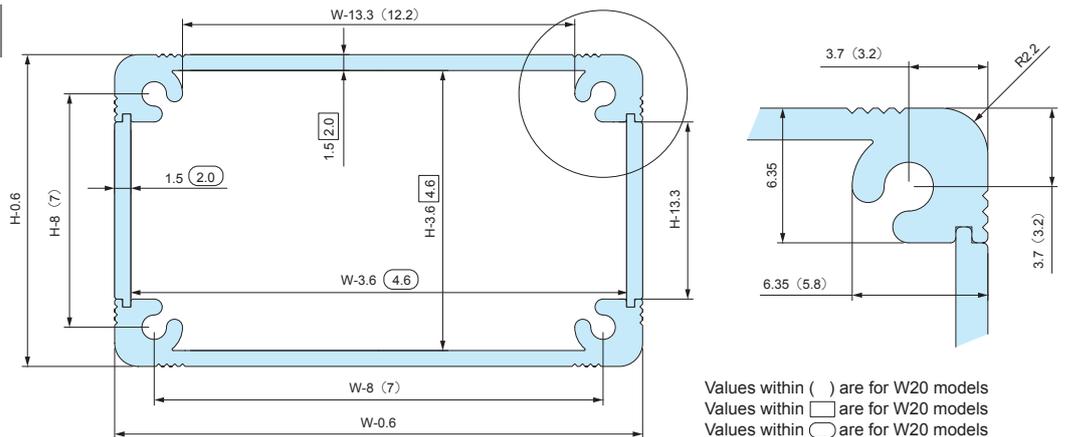


D	a	b	c	Number of bracket(s)	
				e (W20)	f (W50~150)
30~ 303	-	-	-	-	-
304~ 599	D/2	-	-	1	2
600~ 649	150	D-300	-	2	4
650~ 699	200	D-400	-	2	4
700~ 849	250	D-500	-	2	4
850~ 899	300	D-600	-	2	4
900~1000	250	-	(D-500)/2	3	6

External / End panel dimensions

	External dimensions	End panel dimensions																																																								
L (flanged) type		<p>End panel dimensions (42 sizes)</p> <table border="1"> <thead> <tr> <th>W</th><th>H</th><th>W</th><th>H</th><th>W</th><th>H</th><th>W</th><th>H</th> </tr> </thead> <tbody> <tr><td>20</td><td>30</td><td>50</td><td>30</td><td>60</td><td>30</td><td>75</td><td>30</td></tr> <tr><td>20</td><td>40</td><td>50</td><td>40</td><td>60</td><td>40</td><td>75</td><td>40</td></tr> <tr><td>20</td><td>50</td><td>50</td><td>50</td><td>60</td><td>50</td><td>75</td><td>50</td></tr> <tr><td>20</td><td>60</td><td>50</td><td>60</td><td>60</td><td>60</td><td>75</td><td>60</td></tr> <tr><td>20</td><td>70</td><td>50</td><td>70</td><td>60</td><td>70</td><td>75</td><td>70</td></tr> <tr><td>20</td><td>90</td><td>50</td><td>90</td><td>60</td><td>90</td><td>75</td><td>90</td></tr> </tbody> </table>	W	H	W	H	W	H	W	H	20	30	50	30	60	30	75	30	20	40	50	40	60	40	75	40	20	50	50	50	60	50	75	50	20	60	50	60	60	60	75	60	20	70	50	70	60	70	75	70	20	90	50	90	60	90	75	90
		W	H	W	H	W	H	W	H																																																	
20	30	50	30	60	30	75	30																																																			
20	40	50	40	60	40	75	40																																																			
20	50	50	50	60	50	75	50																																																			
20	60	50	60	60	60	75	60																																																			
20	70	50	70	60	70	75	70																																																			
20	90	50	90	60	90	75	90																																																			
N (flat) type		<p>End panel dimensions (42 sizes)</p> <table border="1"> <thead> <tr> <th>W</th><th>H</th><th>W</th><th>H</th><th>W</th><th>H</th><th>W</th><th>H</th> </tr> </thead> <tbody> <tr><td>20</td><td>30</td><td>50</td><td>30</td><td>60</td><td>30</td><td>75</td><td>30</td></tr> <tr><td>20</td><td>40</td><td>50</td><td>40</td><td>60</td><td>40</td><td>75</td><td>40</td></tr> <tr><td>20</td><td>50</td><td>50</td><td>50</td><td>60</td><td>50</td><td>75</td><td>50</td></tr> <tr><td>20</td><td>60</td><td>50</td><td>60</td><td>60</td><td>60</td><td>75</td><td>60</td></tr> <tr><td>20</td><td>70</td><td>50</td><td>70</td><td>60</td><td>70</td><td>75</td><td>70</td></tr> <tr><td>20</td><td>90</td><td>50</td><td>90</td><td>60</td><td>90</td><td>75</td><td>90</td></tr> </tbody> </table>	W	H	W	H	W	H	W	H	20	30	50	30	60	30	75	30	20	40	50	40	60	40	75	40	20	50	50	50	60	50	75	50	20	60	50	60	60	60	75	60	20	70	50	70	60	70	75	70	20	90	50	90	60	90	75	90
		W	H	W	H	W	H	W	H																																																	
20	30	50	30	60	30	75	30																																																			
20	40	50	40	60	40	75	40																																																			
20	50	50	50	60	50	75	50																																																			
20	60	50	60	60	60	75	60																																																			
20	70	50	70	60	70	75	70																																																			
20	90	50	90	60	90	75	90																																																			

Cross-section view



Values within () are for W20 models
 Values within □ are for W20 models
 Values within ○ are for W20 models



CUSTOM SIZED UNIVERSAL ALUMINIUM ENCLOSURE

UCS·UCGS series NEW COLOR TYPE ADDED!

UNIVERSAL ALUMINUM ENCLOSURE UCS series



NEW
SILVER



NEW
SILVER / BLACK



NEW
BLACK / SILVER



ALUMINIUM CASE with CORNER GUARD UCGS series

NEW SILVER CASE VARIATIONS are ADDED!

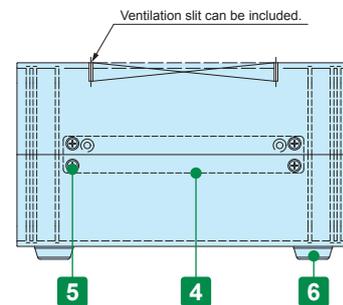
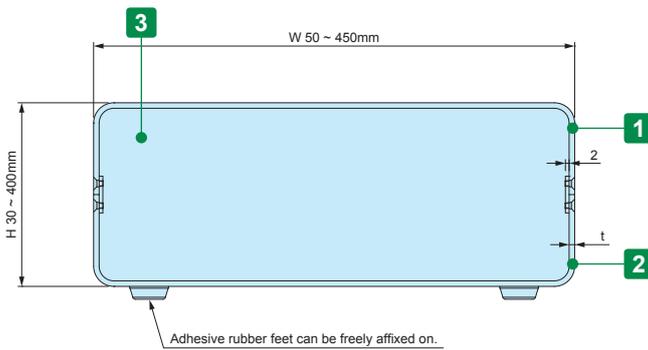
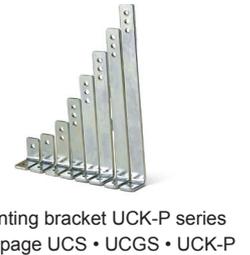
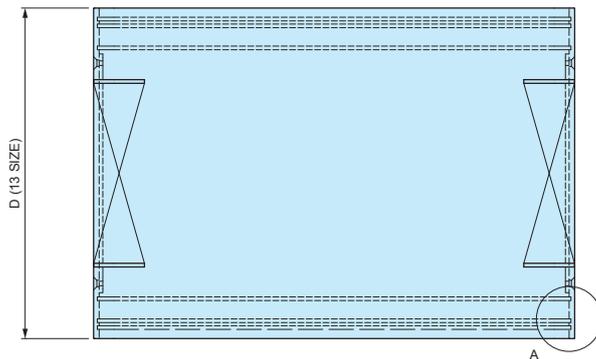




- Custom sized case with extruded aluminium covers for rigidity and toughness. Adjustable width from 50 to 450mm, and height from 30mm to 400mm in 1mm intervals.
- Selectable in 13 different depth variations, ranging from 60 to 340mm.
- 7 different color types available with new SILVER case variations. G (Light gray) color type is slated to be discontinued in 2025.

UCS dimensions ■ DXF/DWG/PDF drawings available on our website.

Accessories (Optional parts)



■ See page UCS • UCGS • UCK-P for further details of t dimensions and A section.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Extruded aluminium A6063S-T5	Black • Light Gray • Metallic silver / Painted
2	Bottom cover	1	Extruded aluminium A6063S-T5	Black • Light Gray • Metallic silver / Painted
3	Panel	2	Aluminium A1100P t=1.5	Black • Light gray / Painted Metallic silver / Painted (Conductive inside)
4	Joint plate	2	Steel SPCC t=2.0	Trivalent chromate
5	Screw (M3 flat head)	12	Steel	Black trivalent chromate
6	Rubber feet	4	Synthetic rubber	Black

■ Panels are covered with a protective film on one side.

1 Dimensions

To select W and H in 1mm intervals, and D length the table below.

Dimensions	Available dimensions
W (width)	50 ~ 450mm (1mm intervals)
H (height)	30 ~ 400mm (1mm intervals)
D (depth)	60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 340mm (13 available D lengths)

■ Refer to the chart on page UCS-3 for available dimensions.

2 Color

To select color code from the table below.

Code	BB	BG	NEW BS	GG	GB	NEW SS	NEW SB
	Black	Black / Light gray	Black / Silver	Light gray	Light gray / Black	Silver	Silver / Black
Color							

3 Corner Radius

To select corner radius on Top/Bottom covers from the table below.

Code	Corner Radius	Available H dimensions	Available D dimensions
3	R3	Internal H = 26mm or larger	Only for 60, 80, 100, 120, 140 models.
5	R5	Internal H = 30mm or larger	All 13 models
8	R8	Internal H = 36mm or larger	All 13 models

4 Vent Slit

To select ventilation slit.

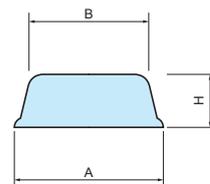
Code	Slit type	Pitch and Positions	Available D dimensions
K	No ventilation slit	—	All 13 models
L	2 x 30mm	See drawings for more details	10 models (D = 120 ~ 340mm)
M	2 x 20mm	See drawings for more details	10 models (D = 120 ~ 340mm)

5 Rubber Feet

To select rubber feet size from the table below.

Code	A	B	H
S	10.8	10.2	3
M	15.4	14.8	5.1
L	21	17	7

■ Adhesive rubber feet can be freely affixed on.



Product No.

To determine a product number, fill W, H, D and select Color code in the following blank boxes.

Product no. UCS - -

1 W **1** H **1** D **2** Color code **3** Corner Radius **4** Vent Slit **5** Rubber feet

Numbering example: W:140 x H:45 x D:180, BB color code, Corner R5, No vent slit, and S size rubber feet.

➔ **UCS140-45-180BB5KS**

Refer to the chart on page UCS-3 for available sizes.

Lead Time

Custom Size Only 9 business days (1 ~ 3 pcs)
 Custom Size + Hole Milling 12 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

UCS Size Chart

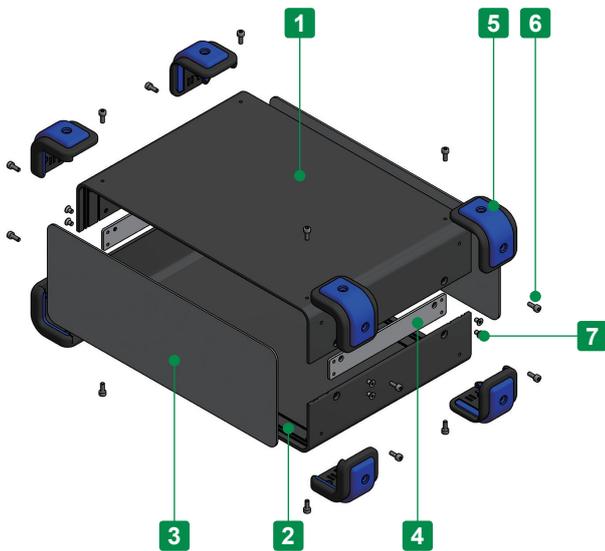
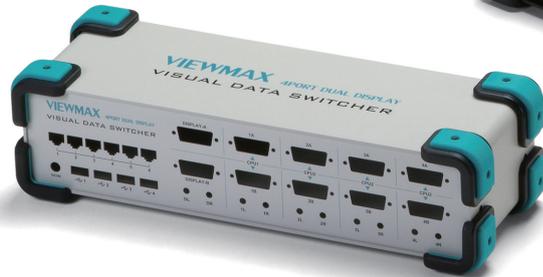
Refer to the below chart for available sizes.

CAUTION

- *For D = 60, 80 or 100mm : H dimension is limited to a minimum of 30mm
- *For D = 120mm and 140mm : H dimension is limited to a minimum of 31mm.
- *For D = 160mm ~ 280mm : H dimension is limited to a minimum of 36mm.
- *For D = 340mm : H dimension is limited to a minimum of 37mm.
- *Max H dimension : W dimension * 1.5, up to a maximum of 400mm.

■ [—] sizes are not available.

D	H		30 ~ 100	101 ~ 125	126 ~ 150	151 ~ 175	176 ~ 200	201 ~ 225	226 ~ 250	251 ~ 275	276 ~ 300	301 ~ 325	326 ~ 350	351 ~ 375	376 ~ 400
	W														
60	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
80	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
100	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
120	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
	201 ~ 250		○	○	○	○	○	○	○	○	○	○	○	○	—
140	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
	201 ~ 250		○	○	○	○	○	○	○	○	○	○	○	○	—
160	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
	201 ~ 250		○	○	○	○	○	○	○	○	○	○	○	○	—
	251 ~ 300		○	○	○	○	○	○	○	○	○	○	○	○	○
	301 ~ 350		○	○	○	○	○	○	○	○	○	○	○	○	○
	351 ~ 400		○	○	○	○	○	○	○	○	○	○	○	○	○
	401 ~ 450		○	○	○	○	○	○	○	○	○	○	○	○	○
180	50 ~ 100		○	○	○	—	—	—	—	—	—	—	—	—	—
	101 ~ 150		○	○	○	○	○	○	—	—	—	—	—	—	—
	151 ~ 200		○	○	○	○	○	○	○	○	○	—	—	—	—
	201 ~ 250		○	○	○	○	○	○	○	○	○	○	○	○	—
	251 ~ 300		○	○	○	○	○	○	○	○	○	○	○	○	○
	301 ~ 350		○	○	○	○	○	○	○	○	○	○	○	○	○
	351 ~ 400		○	○	○	○	○	○	○	○	○	○	○	○	○
	401 ~ 450		○	○	○	○	○	○	○	○	○	○	○	○	○



- Custom sized aluminium case with shockproof and anti-slip corner guards.
- Adjustable width from 100 to 450mm, and height from 80mm to 400mm in 1mm intervals.
- Selectable in 11 different depth variations, ranging from 100 to 340mm.
- 15 color types available with new SILVER case variations; 5 corner guard colors, and 3 case colors.
- G (Light gray) color type is slated to be discontinued in 2025.
- Standard size UCG series is also available. See UCG series product page for more information.

Accessories (Optional parts)



Custom Sized Mounting Plate
UCSC series
See UCSC pages



Elastomer handle FM200 series
See page FM200 • MH-1

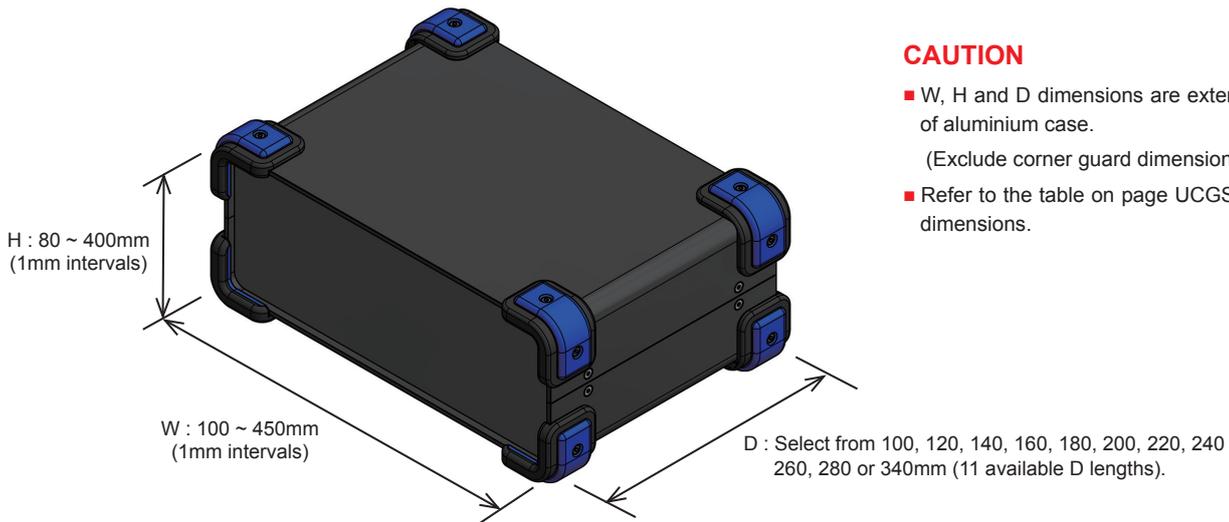
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Extruded aluminium A6063S-T5	Black • Light gray • Metallic silver / Painted
2	Bottom cover	1	Extruded aluminium A6063S-T5	Black • Light gray • Metallic silver / Painted
3	Panel	2	Aluminium A1100P t=1.5	Black • Light gray / Painted Metallic silver / Painted (Conductive inside)
4	Joint plate	2	Steel SPCC t=2.0	Trivalent chromate
5	Corner guard	8	PP + Silicone	Black • Gray • Navy • Emerald • Red
6	Corner guard screw (Hexagonal M3-8)	16	Steel	Black trivalent chromate
7	Case screw (Hexagonal M3 flat head)	12	Steel	Black trivalent chromate

■ 2 Hexagonal wrenches included. (Large type : corner guard screws • Small type : case screws)
UCGS-1

1 Dimensions

To select W and H dimensions in 1mm intervals, and select D length from the list below.



CAUTION

- W, H and D dimensions are external dimensions of aluminium case.
(Exclude corner guard dimensions)
- Refer to the table on page UCGS-3 for available dimensions.

2 Color

To select color code from the table below.

Code	B B Black / Black	B G Black / Gray	B N Black / Navy	B E Black / Emerald	B R Black / Red
Color					
Code	G B Light gray / Black	G G Light gray / Gray	G N Light gray / Navy	G E Light gray / Emerald	G R Light gray / Red
Color					
Code	NEW S B Silver / Black	NEW S G Silver / Gray	NEW S N Silver / Navy	NEW S E Silver / Emerald	NEW S R Silver / Red
Color					

Product No.

To determine a product number, fill W, H, D and select Color code in the following blank boxes.

Product no. UCGS - -

W H D Color code

Numbering example: W:222 x H:122 x D:280 and GE color code → **UCGS222-122-280GE**

Refer to the chart on page UCGS-3 for available sizes.

Lead Time

Custom Size Only
Custom Size + Hole Milling

9 business days (1 ~ 3 pcs)
12 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp

UCGS Size Chart

Refer to the table below for available sizes.

CAUTION

- *D = 100mm : W dimension is limited to a maximum of 200mm.
- *D = 120mm and 140mm : W dimension is limited to a maximum of 250mm.
- *Max H dimension : W dimension * 1.5, up to a maximum of 400mm.
- *Corner radius : D lengths of 100, 120 and 140 = R5 • Other D lengths = R8

■ [—] sizes are not available.

D	H		W												
	80 ~ 100	101 ~ 125	126 ~ 150	151 ~ 175	176 ~ 200	201 ~ 225	226 ~ 250	251 ~ 275	276 ~ 300	301 ~ 325	326 ~ 350	351 ~ 375	376 ~ 400		
100	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
120	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
140	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
160	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
180	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
200	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
220	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
240	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
260	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
280	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	
340	100 ~ 150	○	○	○	○	○	—	—	—	—	—	—	—	—	
	151 ~ 200	○	○	○	○	○	○	○	○	—	—	—	—	—	
	201 ~ 250	○	○	○	○	○	○	○	○	○	○	○	○	—	
	251 ~ 300	○	○	○	○	○	○	○	○	○	○	○	○	○	
	301 ~ 350	○	○	○	○	○	○	○	○	○	○	○	○	○	
	351 ~ 400	○	○	○	○	○	○	○	○	○	○	○	○	○	

UCSC SERIES

CUSTOM SIZED ALUMINIUM MOUNTING PLATE for UCS • UCSS

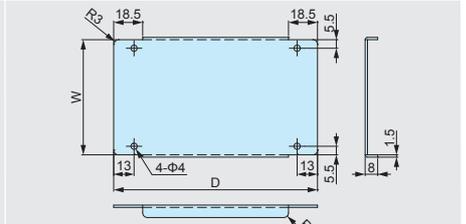
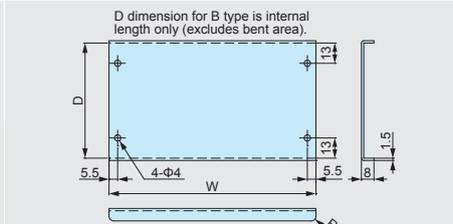
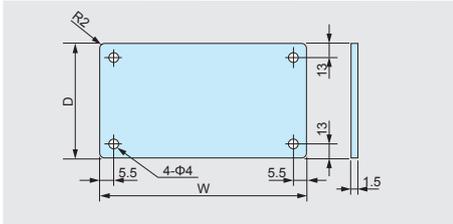
A type



B type



C type



For small to middle sized cases. Suitable for light load mounting.

For middle to large sized cases. Wider W dimension assists in preventing the mounting plate from bending when heavy loads are mounted on.

For middle to large sized cases. Wider D dimension assists in preventing the mounting plate from bending when heavy loads are mounted on.

Components

Part name	Material	Color / Finish
Mounting plate	Aluminium A1050P t=1.5	Unfinished
Screw	Steel M3-5	Trivalent chromate

UCSC actual dimensions

Case D dimension	Mounting plate W dimension	Mounting plate D dimension
60 ~ 100	Case W dimension - 17 mm	Case D dimension - 22 mm
120	Case W dimension - 18 mm	Case D dimension - 26 mm
140	Case W dimension - 18 mm	Case D dimension - 46 mm
160 ~ 180	Case W dimension - 19 mm	Case D dimension - 50 mm
340	Case W dimension - 19.4 mm	Case D dimension - 50 mm

Confirm Product No.

Specify case dimensions and mounting plate type.

Product no. UCSC



Example : Case W dimension = 140 mm, D dimension = 180 mm, and A type mounting plate.

UCSC - -

*Actual mounting plate dimension is 121mm x 130mm. Refer to the above chart for actual mounting plate dimensions.

Lead time

Custom Size Only

4 business days (1 ~ 3 pcs)

Custom Size + Hole Milling

8 business days (1 ~ 3 pcs)

Order Inquiry

For more information, contact us here at sales@takachi-el.co.jp