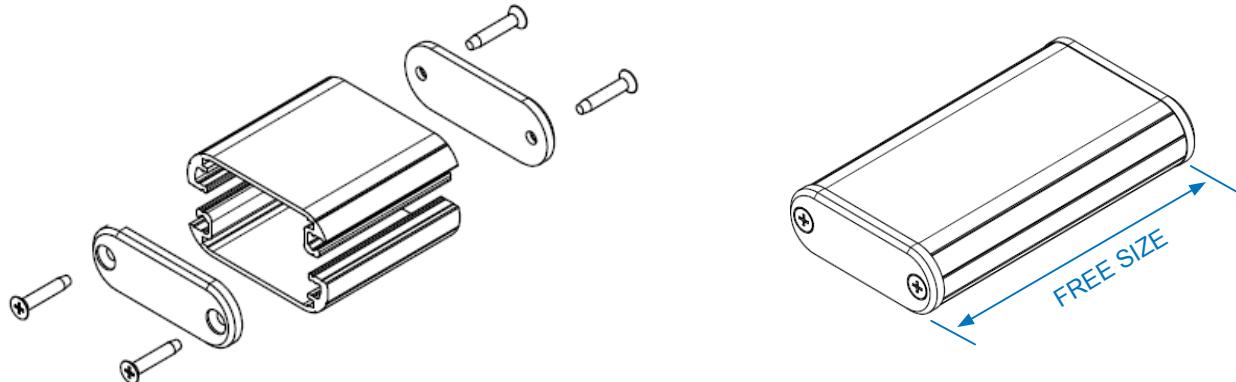


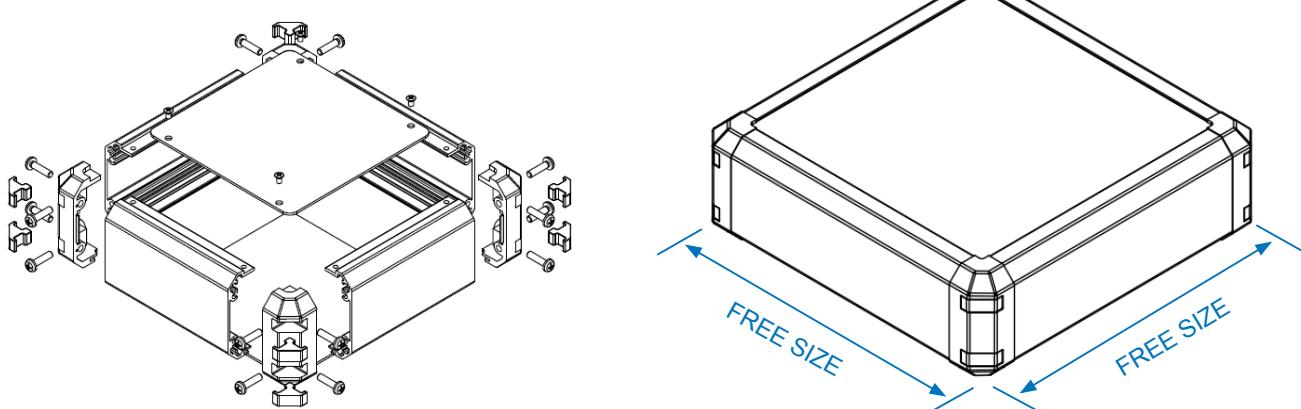
## VARIETY OF CUSTOM SIZED ENCLOSURES

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.

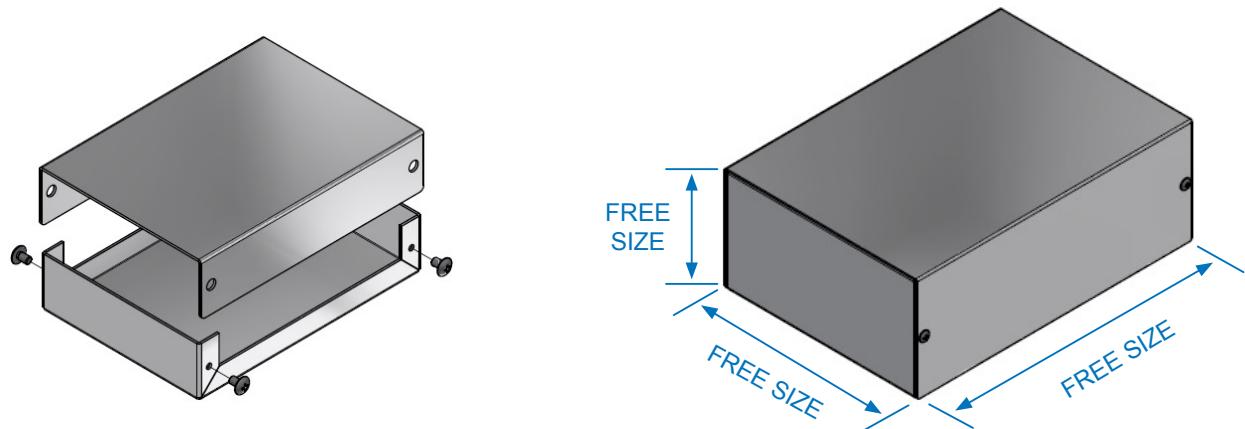
### EXTRUDED ALUMINIUM MODEL



### 4 SIDE-EXTRUDED ALUMINIUM MODEL



### SHEET METAL MODEL



More custom sized models are available.

[https://www.takachi-enclosure.com/cat/flexible\\_size](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

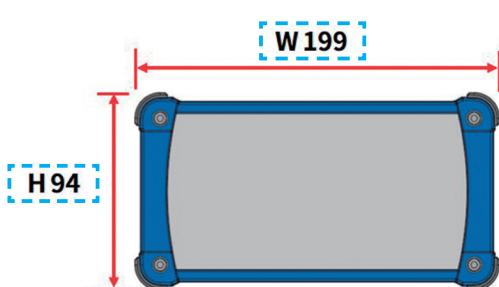
Exploded view

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
<input type="checkbox"/>	69	34
<input type="checkbox"/>	69	44
<input type="checkbox"/>	69	59
<input type="checkbox"/>	89	39
<input type="checkbox"/>	89	49
<input type="checkbox"/>	89	64
<input type="checkbox"/>	116	41
<input type="checkbox"/>	116	56
<input type="checkbox"/>	116	71
<input type="checkbox"/>	151	46
<input type="checkbox"/>	151	61

Select	W	H
<input type="checkbox"/>	151	81
<input type="checkbox"/>	151	101
<input type="checkbox"/>	199	56
<input type="checkbox"/>	199	74
<input checked="" type="checkbox"/>	199	94
<input type="checkbox"/>	199	119
<input type="checkbox"/>	244	64
<input type="checkbox"/>	244	89
<input type="checkbox"/>	244	114
<input type="checkbox"/>	300	90
<input type="checkbox"/>	300	140

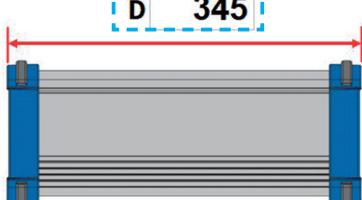
**STEP2** Specify size D(depth) ... Enter dimensions in 1mm intervals.

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
----	-----



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

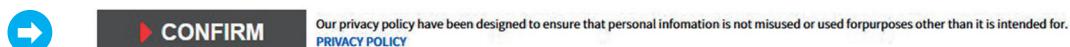
4 After entering your details and the message in our INQUIRY FORM, click on the CONFIRM button.

**STEP5 INQUIRY FORM**

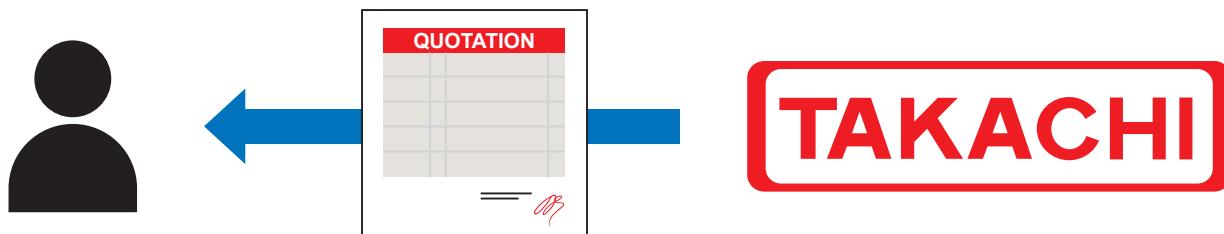
Fill out the inquiry form and send it. We will give you quotation by Email.  
Inquiry from the country where the distributor is located will be answered by the distributor.

Fields marked with **★** are required

Product No.	EXPS199-94-345SN	Quantity <b>★</b>	10
E-mail <b>★</b>	<input type="text" value="jiro@takachi-el.co.jp"/>		
Company <b>★</b>	<input type="text" value="TAKACHI ELECTRONICS ENCLOSURE CO., LTD."/>		
Your name <b>★</b>	<input type="radio"/> Mr. <input checked="" type="radio"/> Ms.	First name	<input type="text" value="Jiro"/>
Country <b>★</b>	<input type="text"/>		
<p>I would like a quote for 10 pieces of EXPS199-94-345SN.</p> <p>Message</p>			



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



## 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

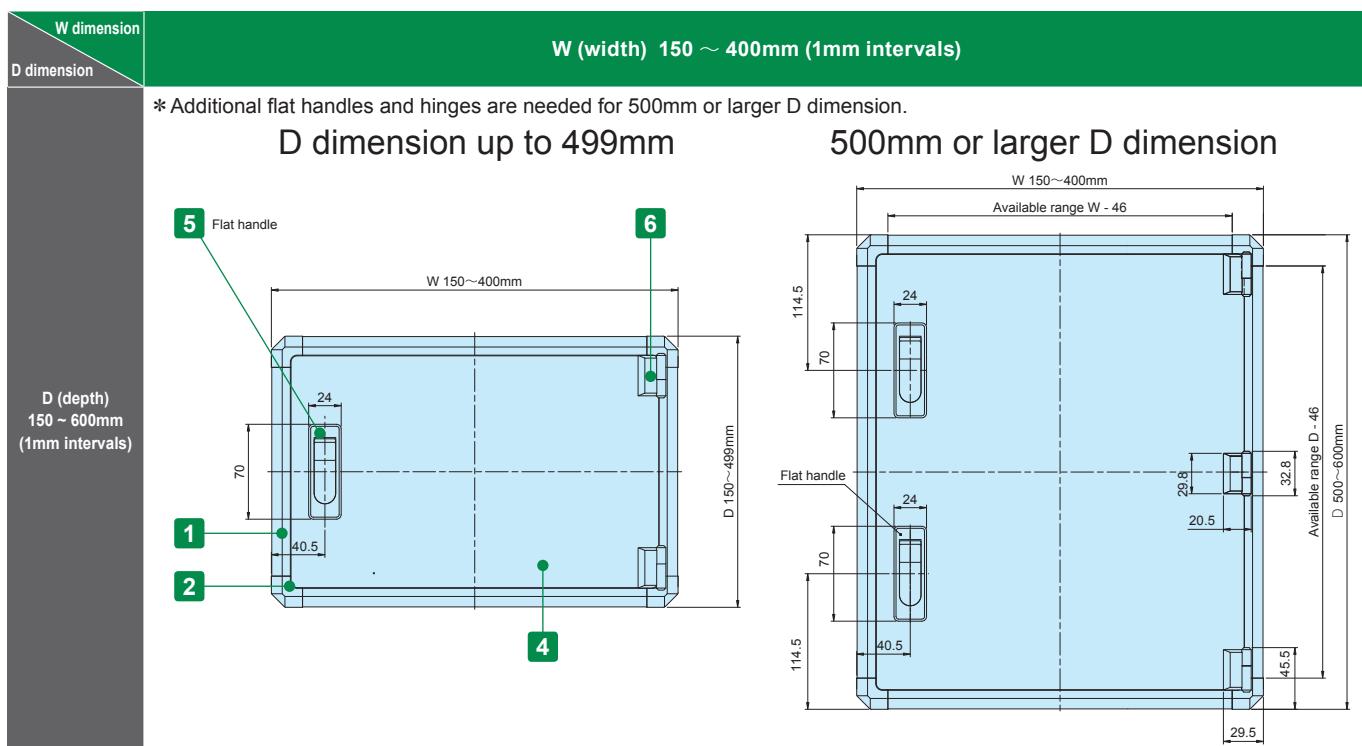
Handle Code Color Code

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

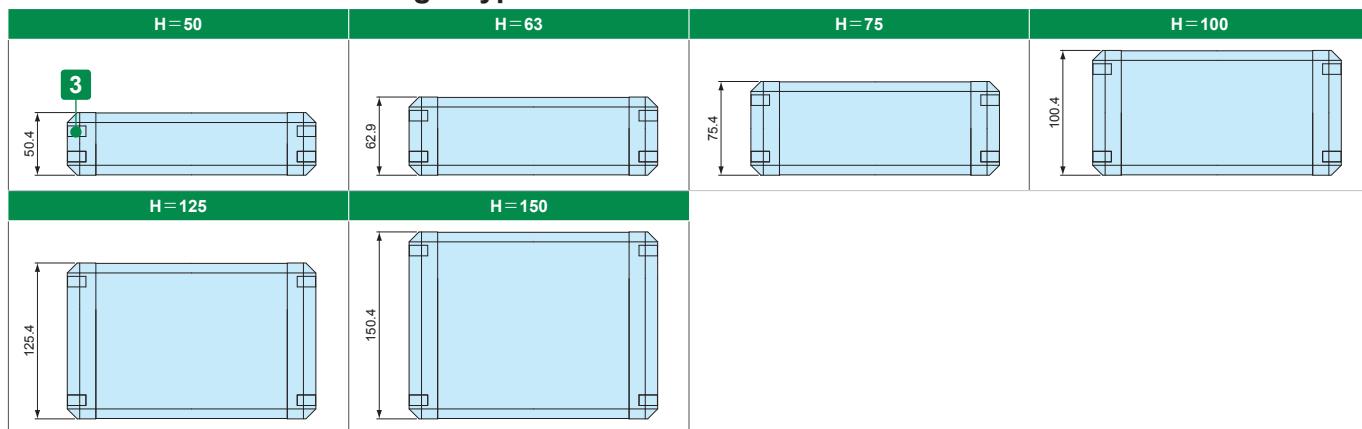
FCWS  255 -  352 -  125  N  GS

## 1 Specify Dimensions

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

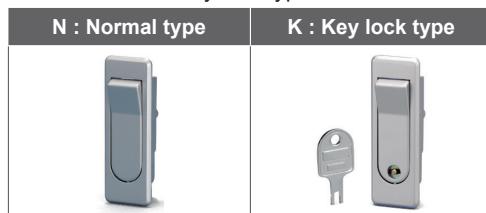


### Select from 6 available height types.



## 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

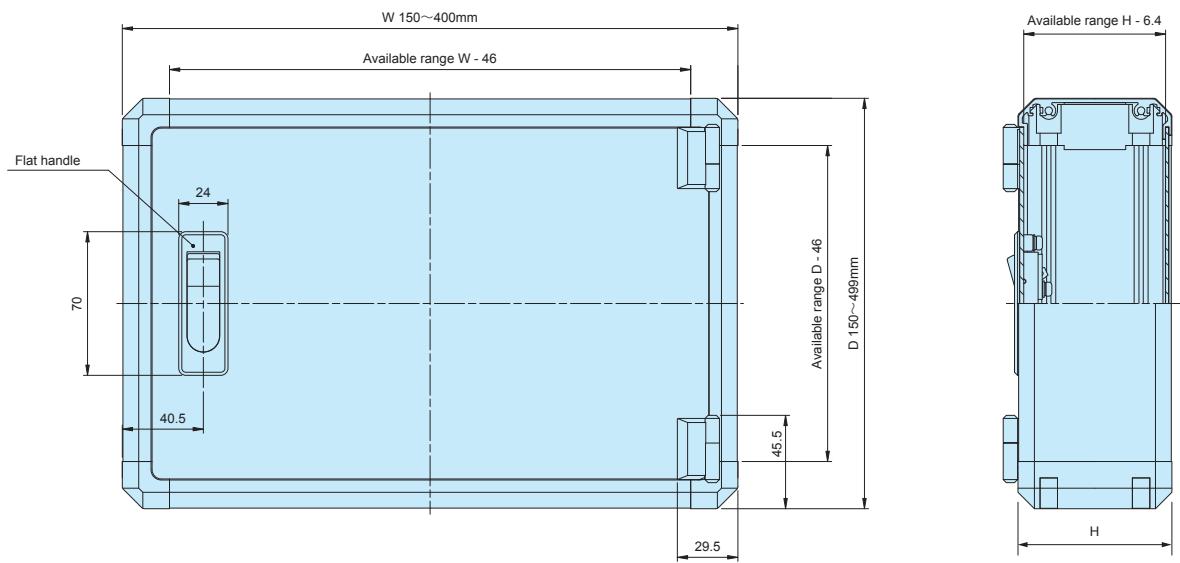
6 business days (1 ~ 5 pcs)  
12 business days (1 ~ 5 pcs)

### Order Inquiry

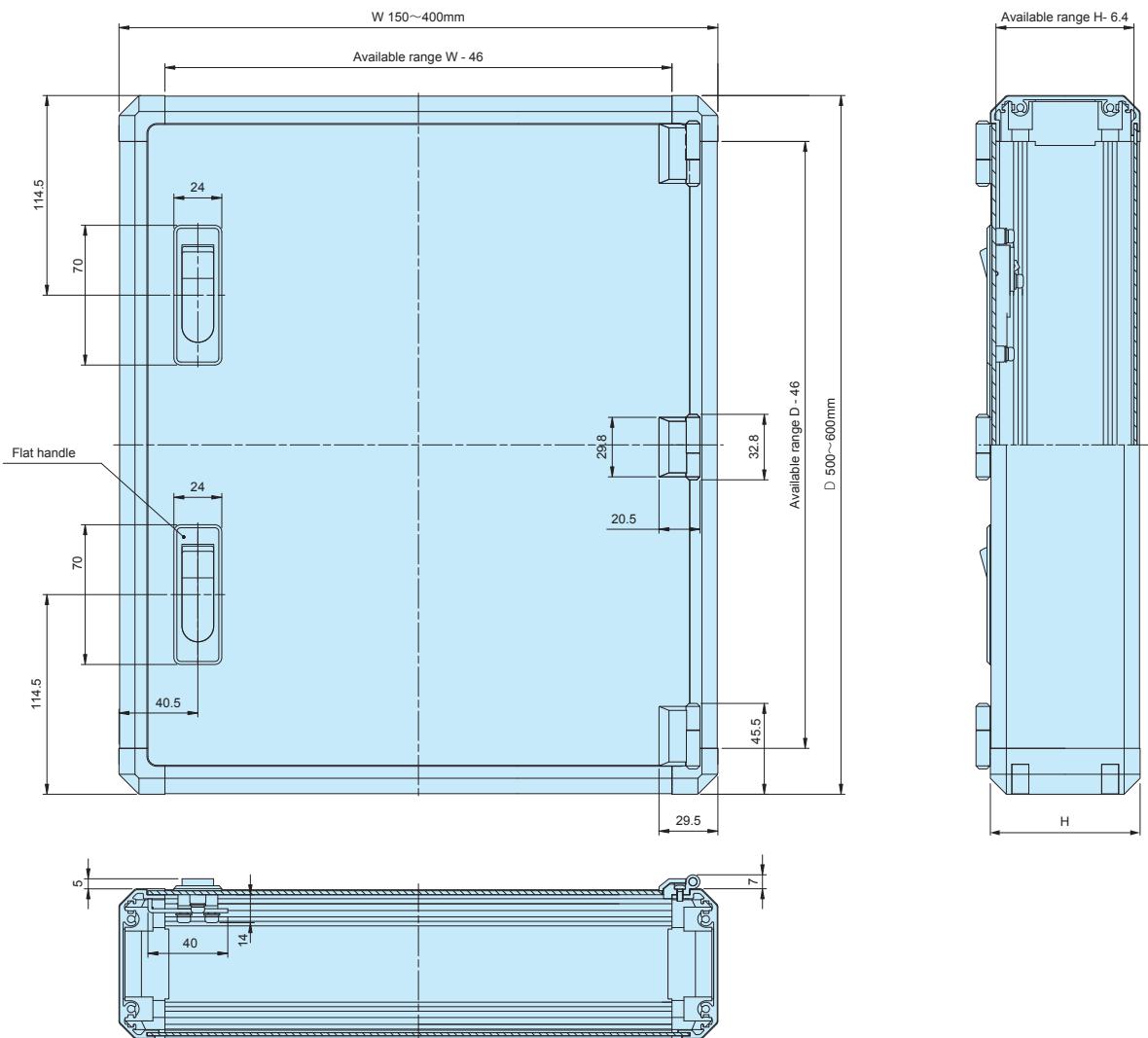
For more information, contact us here at [sales@takachi-el.co.jp](mailto:sales@takachi-el.co.jp)

## FCWS dimensions

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

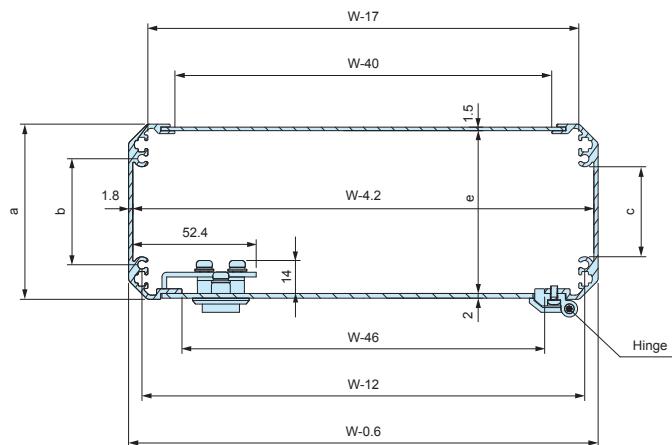


Models with 500mm or larger D dimension have 3 hinges and 2 flat handles.

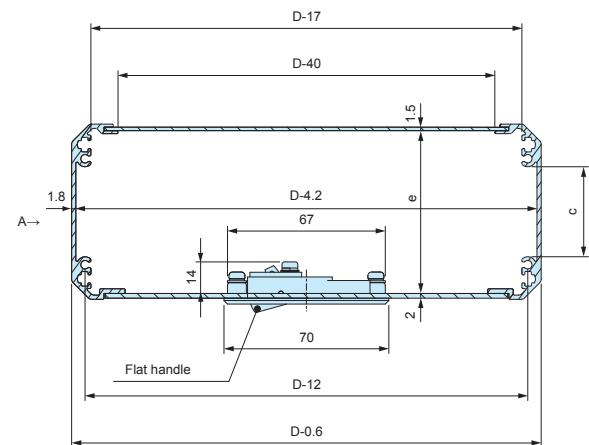


## Cross-section View

FCWS



View from W side



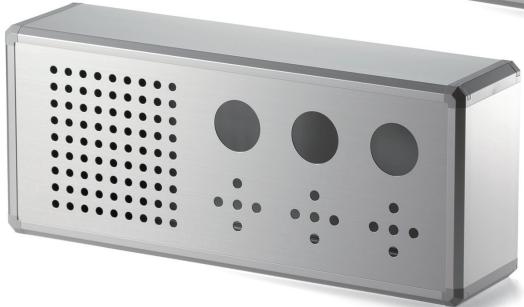
View from D side

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.

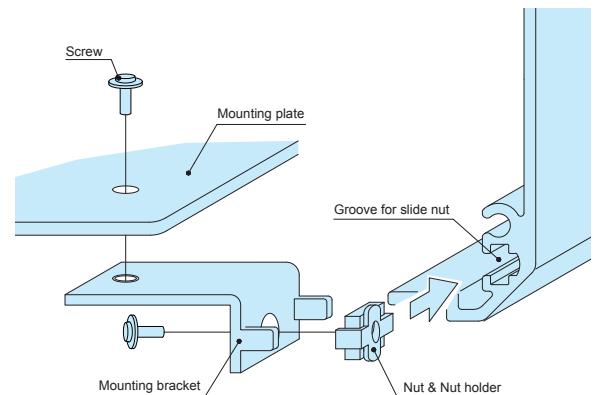


## FCSC SERIES

## CUSTOM SIZED ALUMINIUM MOUNTNG PLATE for FCS • FCWS



- Custom sized mounting plate can be made for FCS • FCSW 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

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

Code	1	2
Height	12	22

## 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  
Custom Size + Hole Milling4 business days (1 ~ 10 pcs)  
8 business days (1 ~ 10 pcs)

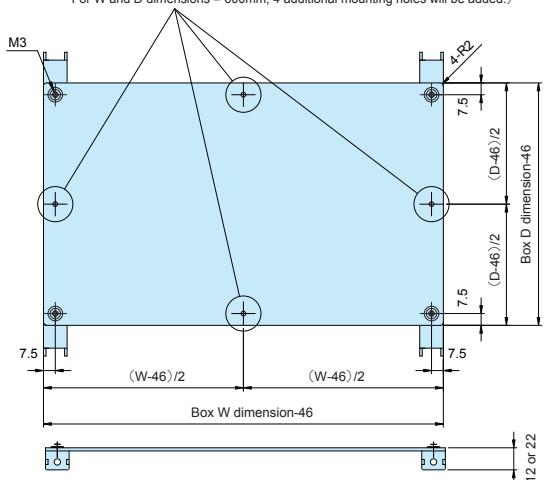
## Order Inquiry

For more information, contact us here at [sales@takachi-el.co.jp](mailto:sales@takachi-el.co.jp)

## FCSC dimensions

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

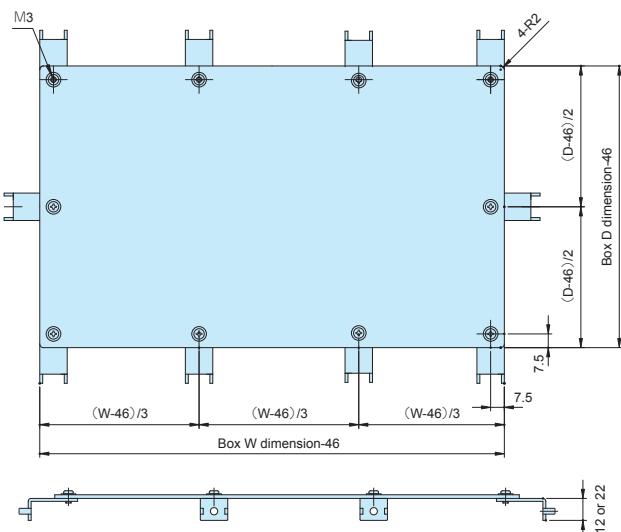
※Caution For W and D dimensions larger than 300mm, 2 additional mounting holes will be added.  
For W and D dimensions = 600mm, 4 additional mounting holes will be added.)



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

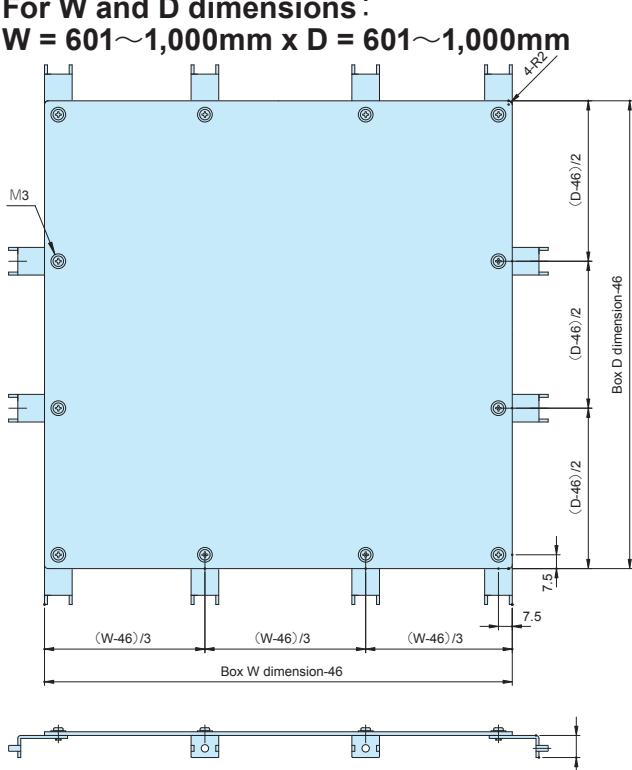
Included screws: M3-6 pan head trivalent chromate with flat washer x 8 or x 16 pcs

**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



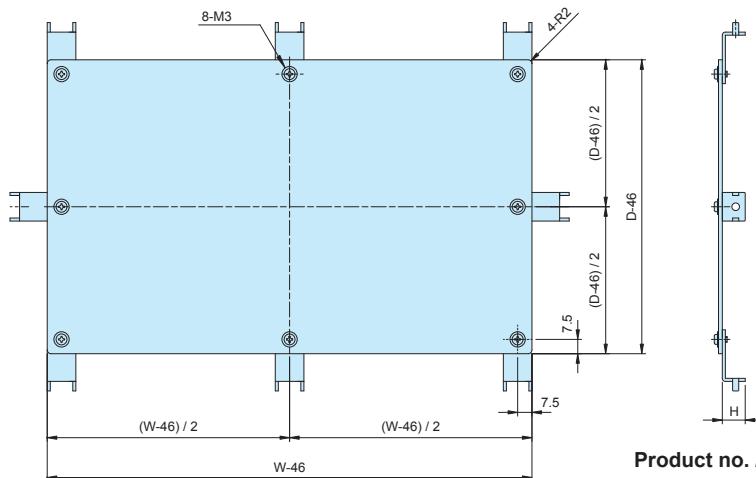
Included screws: M3-6 pan head trivalent chromate with flat washer x 24 pcs

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

## FCC drawings

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

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



### 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

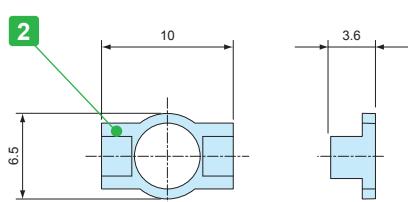
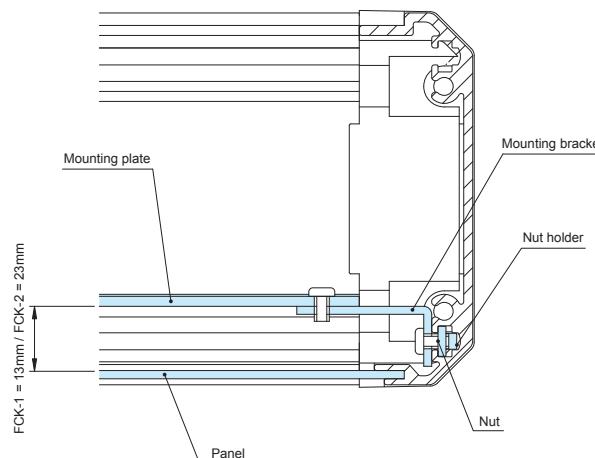
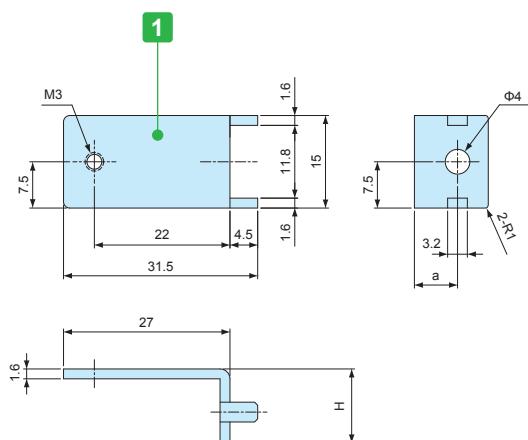
### Accessories (Optional parts)

## FCK series

## MOUNTING BRACKET

### FCK drawings

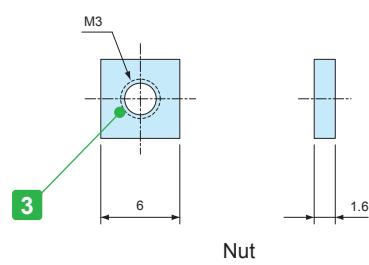
■ DXF/DWG/PDF drawings available on our website.



- 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



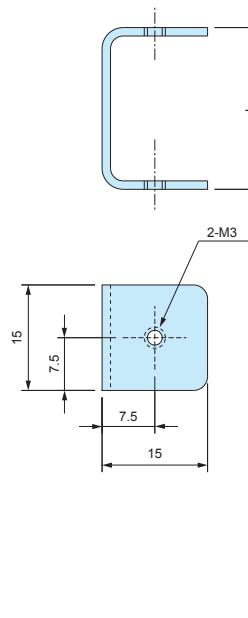
### Product no. / Details

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

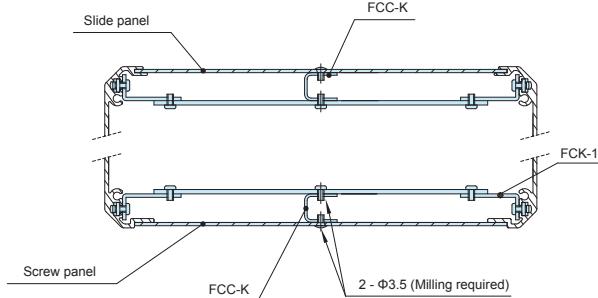
## FCC-K SERIES

## 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