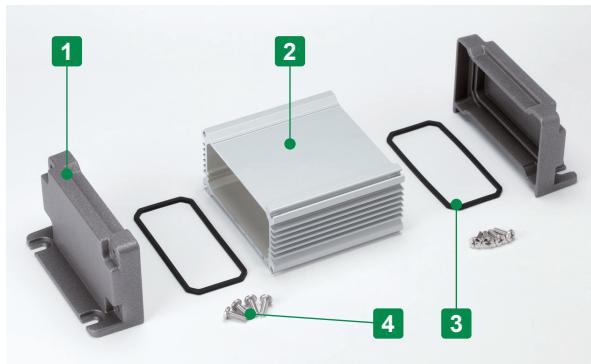


## AWS series

## CUSTOM SIZED IP68 FLANGED ALUMINIUM ENCLOSURE



## Technical Data

Protection class: IP68 (24 hours/1m depth)  
 Operating temperature: -40°C ~ +105°C  
 Recommended torque: 1.0N • m

- IP68 and heat dissipation enclosure with flanged end panels. Selectable in both Normal or EMC Shielded type.
- 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.
- Designed for a tough environment where waterproof and heat countermeasures are required.
- Suitable for outdoor use such as LED power supply and junction boxes.

## Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged end panel	2	Diecast aluminium ADC12	Normal - N type : Metallic gray • Black / Powder coated EMC Shielded - E type : Silver • Black / Painted (Unfinished inside)
2	Body frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized with clear coating
3	Gasket	2	Normal - N type : Silicone EMC Shielded - E type : Conductive silicone	Black
4	Screw	8	Stainless steel	Unfinished

■ See page AW-Frame-1 ~ AW-Frame-2 for Body frame dimensions.

## 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](mailto:sales@takachi-el.co.jp)

## CUSTOM SIZE WEB QUOTATION

Send your inquiry via our online form now!

Visit the AWS 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.

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				
<ul style="list-style-type: none"> <li>■ D length can be requested in 0.1mm intervals, but with higher tolerances (<math>\pm 0.3</math>mm).</li> <li>*D length may vary due to expansion and contraction of gasket from screw tightening</li> <li>■ Refer to the chart on AW-Frame-2 for body frame length t.</li> </ul>				

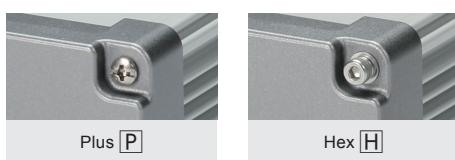
## 2 Shielding • Color

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

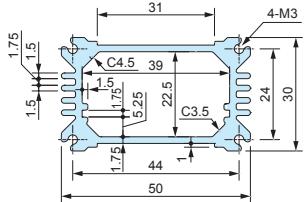
Numbering example: W-H:156-87 x D:456, EMC type, BB color code and Hex screw type

→ AWS156-87-456EBBH

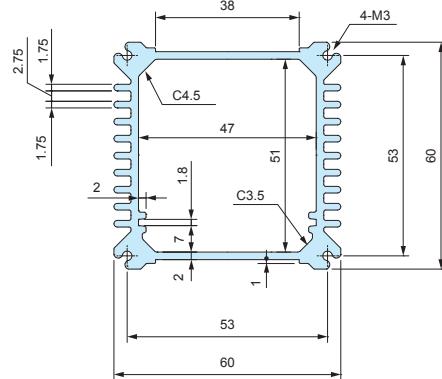
## Cross-section view of frame

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

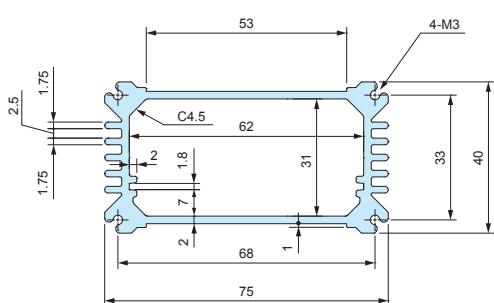
AWS55-39-□  
AWNS55-35-□  
AWAS52-32-□



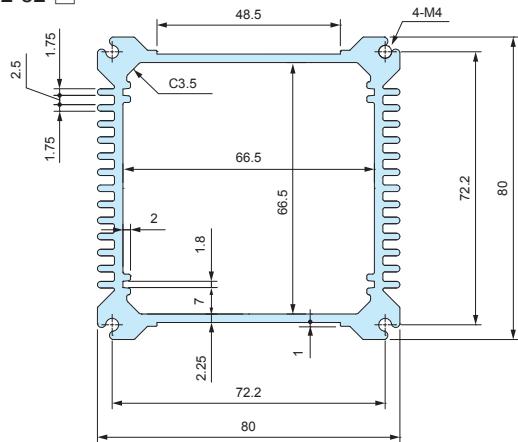
AWS66-71-□  
AWNS66-66-□  
AWAS61-61-□



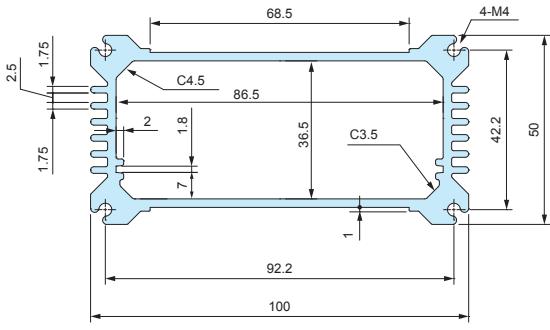
AWS81-51-□  
AWNS81-46-□  
AWAS76-41-□



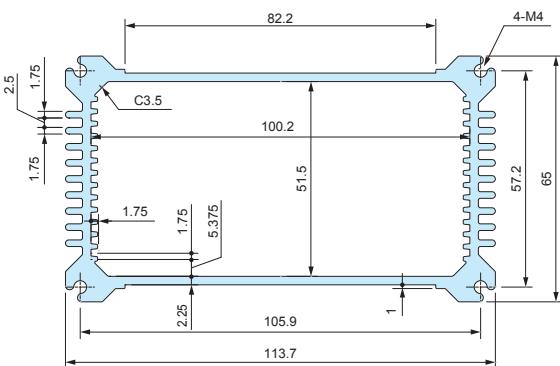
AWS86-92-□  
AWNS86-86-□  
AWAS82-82-□



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



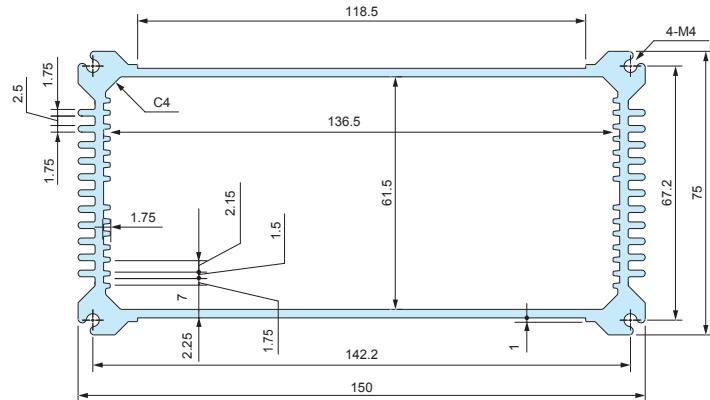
AWS120-77-□  
AWNS120-71-□  
AWAS116-67-□



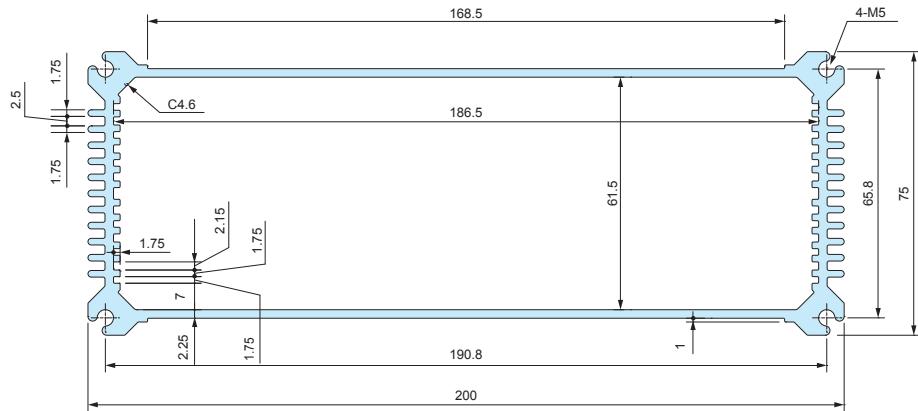
## Cross-section view of frame

■ 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

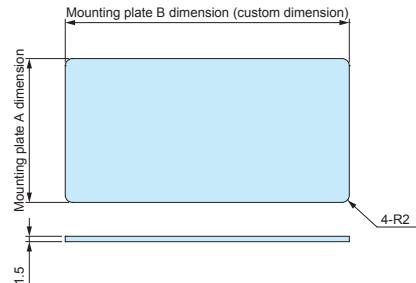
## AWSC SERIES

## CUSTOM SIZED MOUNTING PLATE for AWS • AWNS • AWAS



■ Material / Finish : Aluminium A1050P / Silver anodized

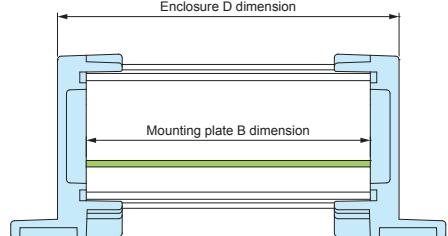
- Adjustable sizes available to be fitted for the custom sized AWS, AWNS or AWAS enclosures.
- Can be slid in and out for easy maintenance access.
- Easily customizable.



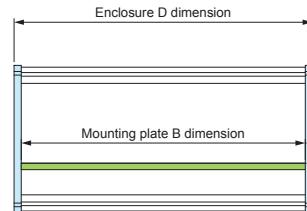
## Mounting plate dimensions

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

## AWS/AWNS



## AWAS



## 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  -  234

## Lead time

Custom Size Only  
Custom Size + Hole Milling

4 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)