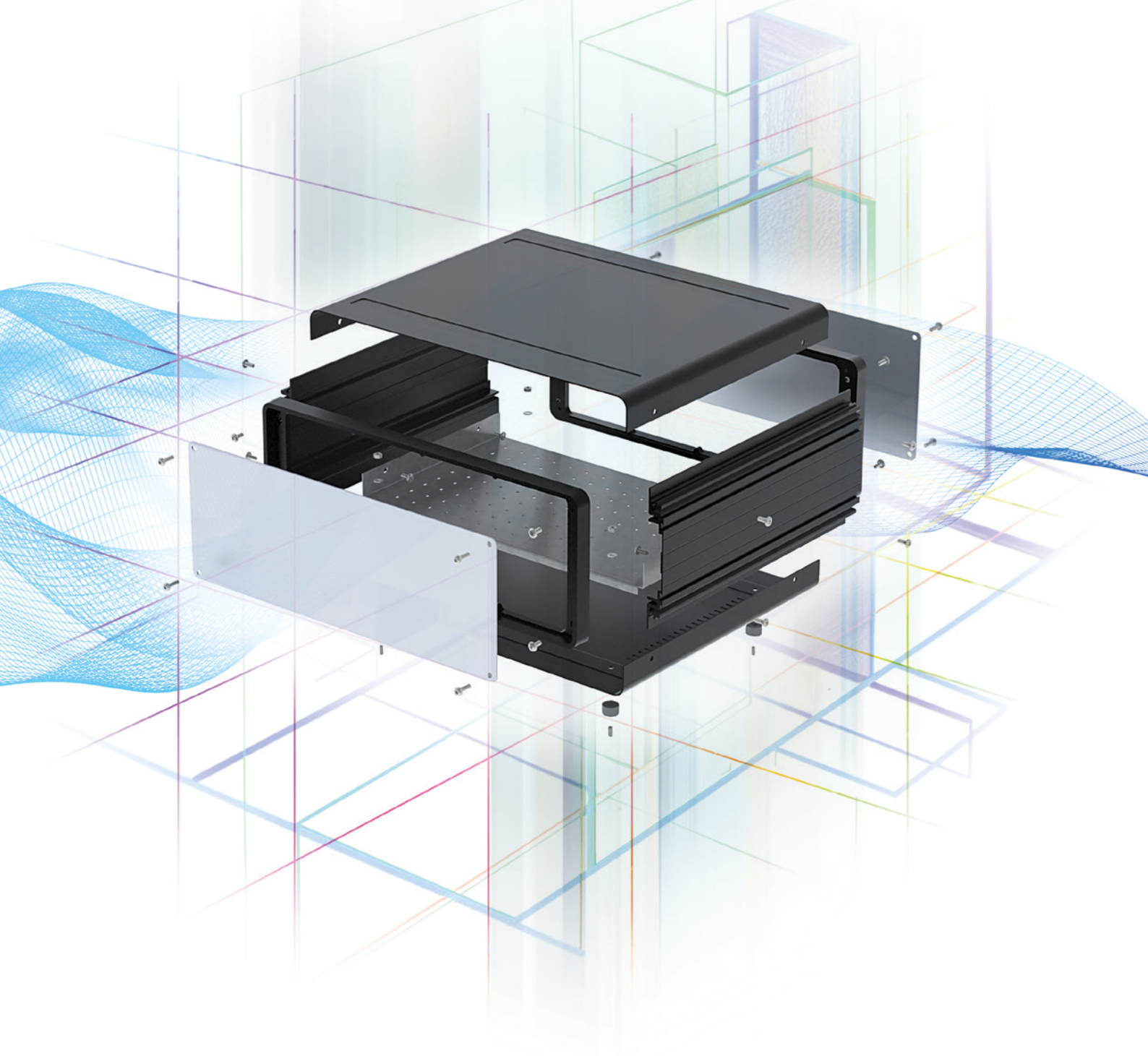




ENCLOSURES FOR ELECTRONICS



PRODUCT CATALOGUE

[www.altinkaya.com](http://www.altinkaya.com)



 **ALTINKAYA**  
ENCLOSURES FOR ELECTRONICS

Welcome to Altinkaya.

As Altinkaya, we have been working not only with excitement and passion to do our job better every day since 1985 but also with an innovative and pioneering approach since we are fully aware that our enclosures will be the aesthetic and protective shield of your products, which attract your customers at the first sight.

We stand out with the quality and diversity of our products while leading the electronics industry both in Turkey and the globe with our domestic production. We meet the needs of our valuable business partners with our wide product range and qualified service options.

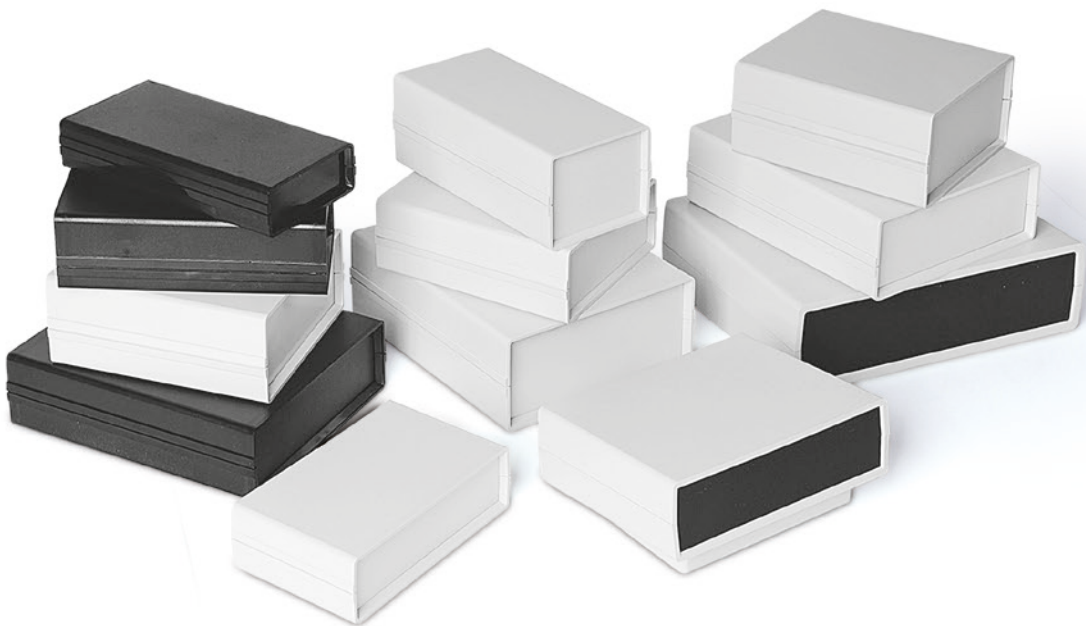
This catalog is meticulously prepared for you to provide customization insights into your projects with our diverse products.

You can easily and quickly find the technical documents and information about our products by scanning the QR codes on our product groups, and also you can get quotations and place orders.

Our experienced sales team is ready to assist you by phone or by email about anything related to our products and services.

As a result of our hard work, we are constantly expanding our product portfolio, you can follow our new products in the "Discover our new products" section of our website.

If you cannot find the product you need in our portfolio, you can contact our sales team regarding your request.





## OUR CORE VALUES

# 1

### **Adaptable**

We adapt to rapidly changing requirements to support our customers competitive products.

# 2

### **Different**

We stand out from the crowd by achieving different results with our mindset while adapting to the conditions. We reflect this unique difference to our customers' products and services.

# 3

### **Design**

Our passion for design is evident in everything we do, from our processes to our products, making it the centerpiece of our lives.

# 4

### **Productivity**

Considering that our productivity is the key to our survival, we constantly work to ensure the utmost productivity in all our operations.

# 5

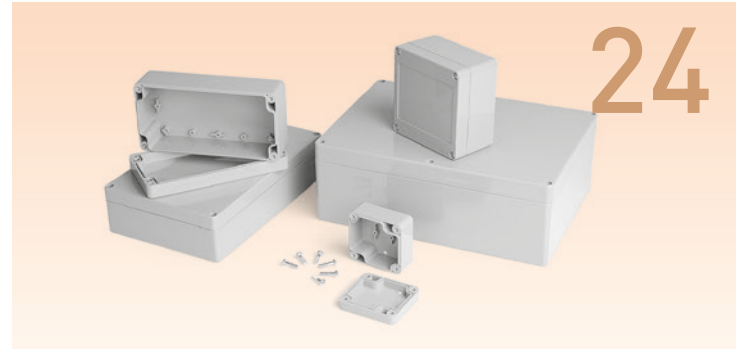
### **International Competition**

Our products and services, competing globally, bolster our customers' competitive edge in international markets.

**IP67 HINGED ENCLOSURES**



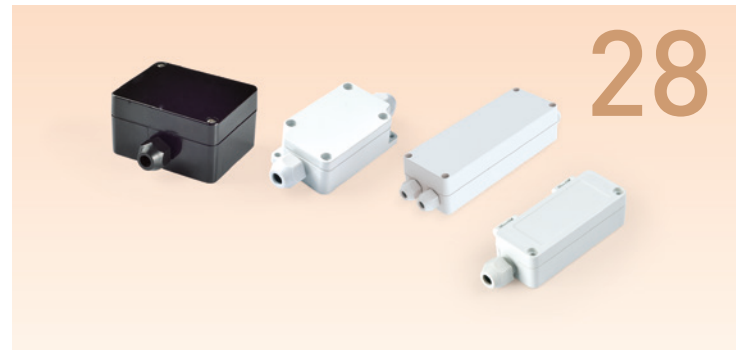
**IP67 HEAVY DUTY ENCLOSURES**



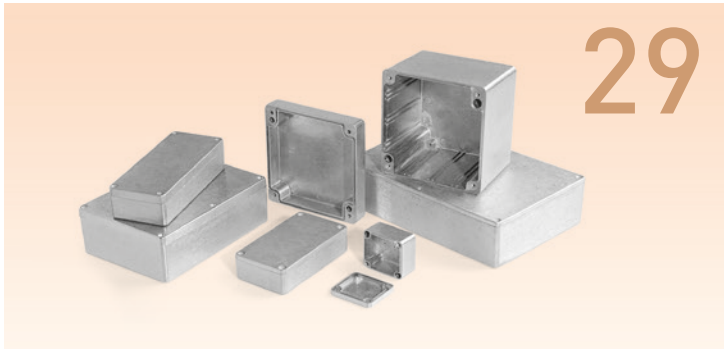
**IP67 FLANGED HEAVY DUTY ENCLOSURES**



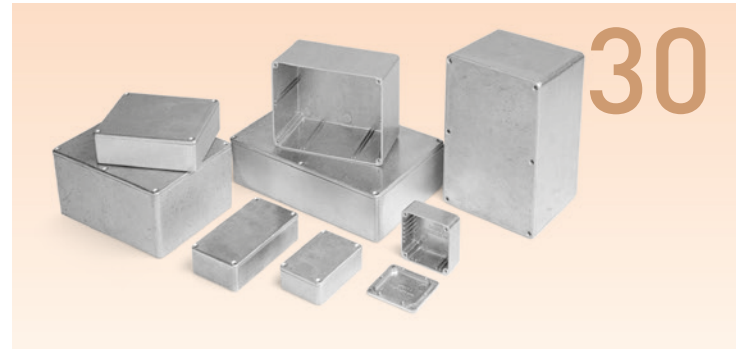
**IP67 ENCLOSURES WITH CABLE GLANDS**



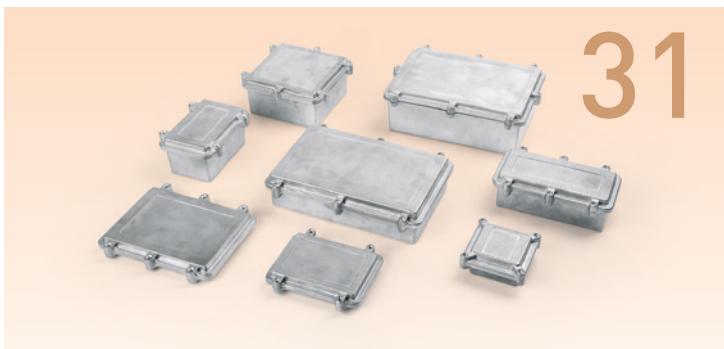
**IP65 HEAVY DUTY DIECAST ENCLOSURES**



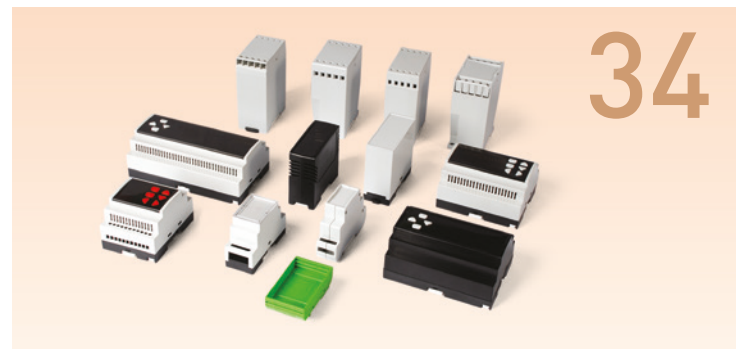
**LIGHTWEIGHT DIECAST ENCLOSURES**

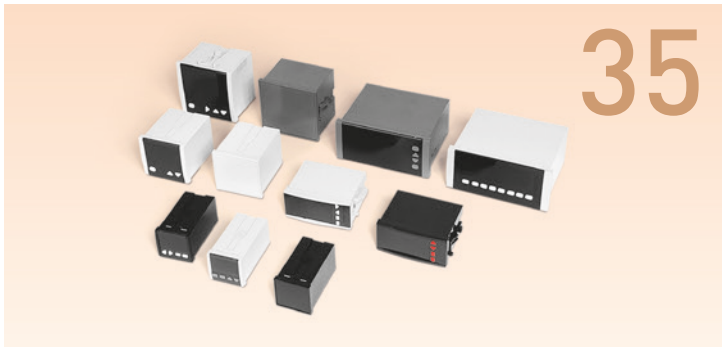
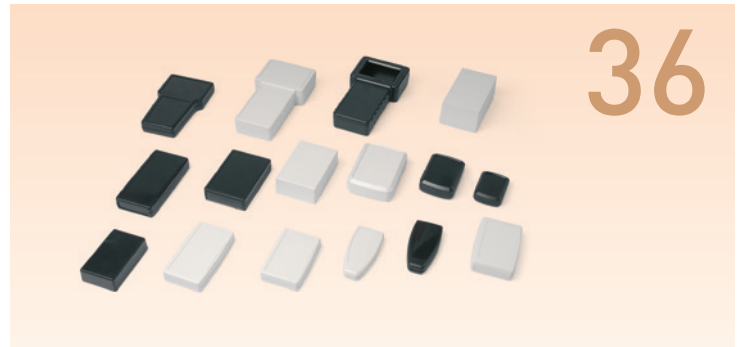
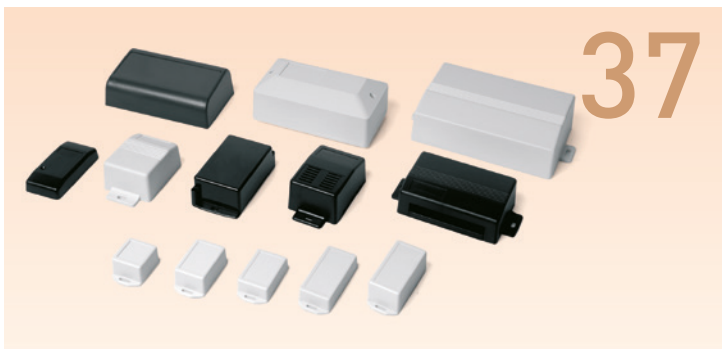
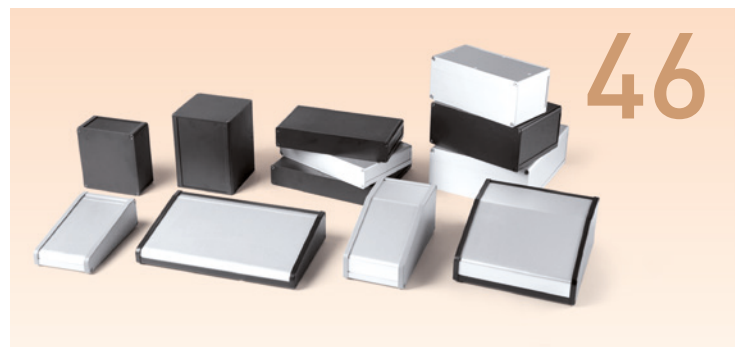
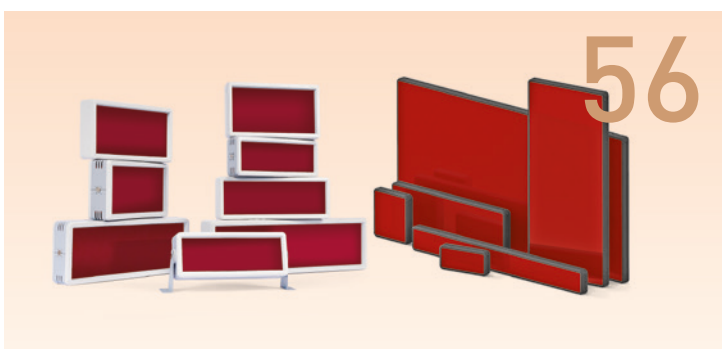


**IP67 EMI SHIELDED DIECAST ENCLOSURES**



**DIN RAIL ENCLOSURES**



**DIN PANEL ENCLOSURES****HANDHELD ENCLOSURES****WALL MOUNT ENCLOSURES****POCKET SIZE ENCLOSURES****PLASTIC CASES****MODULAR METAL ENCLOSURES****DISPLAY ENCLOSURES****COMPONENTS**

# OUR SOLUTIONS

## CNC MACHINING



PAGE  
**09**

Our expert staff processes all the surfaces of enclosures precisely and quickly in CNC milling machines, without any damage.

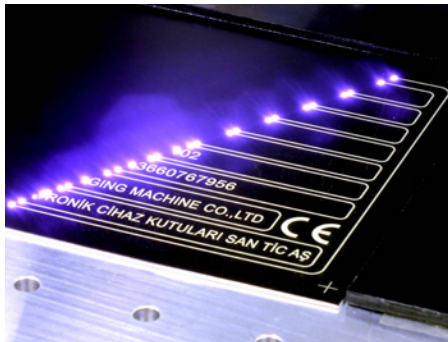


## UV PRINTING



PAGE  
**16**

With a digital printing method using special ink, we process the requested visuals on all the surfaces of enclosures in the requested color and texture.



## LASER MARKING



Our expert staff processes the requested visuals on the surfaces through the laser beams and also conducts scrape and remove the paint applications.





## CUSTOMIZATION



PAGE  
**08**

We have the capacity to produce enclosures as per your brand requirements when the minimum order quantity is met.

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By using different raw materials, we can produce our enclosures with some prominent specifications such as flame retardance, resistance to sunlight and high temperatures, increased endurance.

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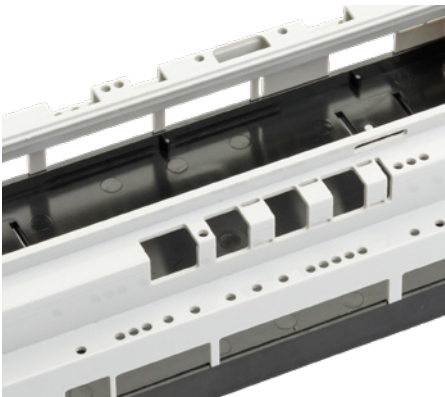
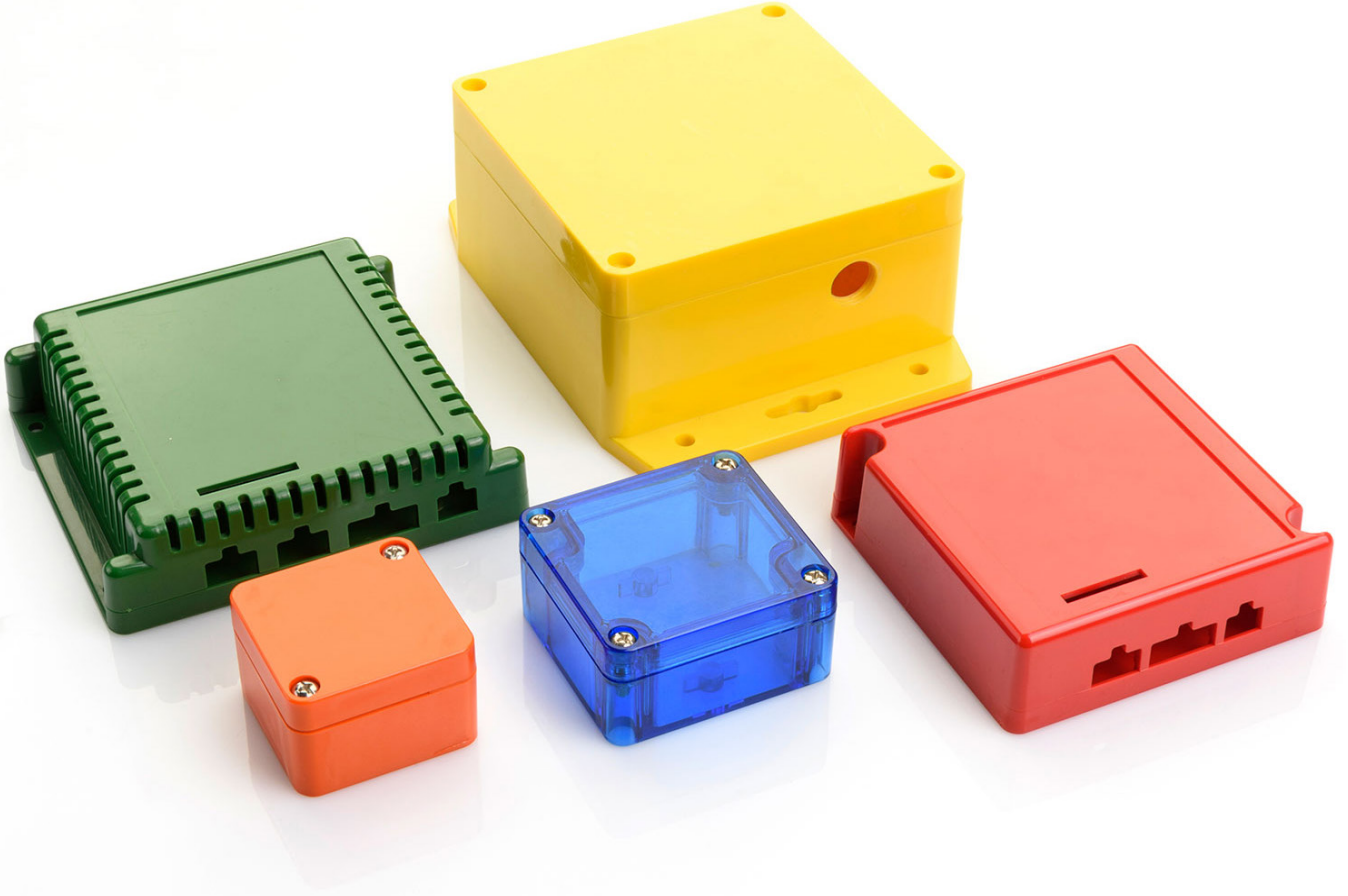


We produce custom molds once the minimum order quantity is met. These custom molded enclosures are reserved, and not published in our website.

## CUSTOMIZATION

### We do customization for your device!

We can customize our boxes under the roof of Altinkaya in accordance with the device you design. CNC department cuts LCD screen slots, button, card, terminal holes, membrane switch-label pools and vents. Printing department can apply the images you desire to mark on the device such as logo, brand, mimic diagram to all surfaces. Printing department processes both with printing and laser marking.



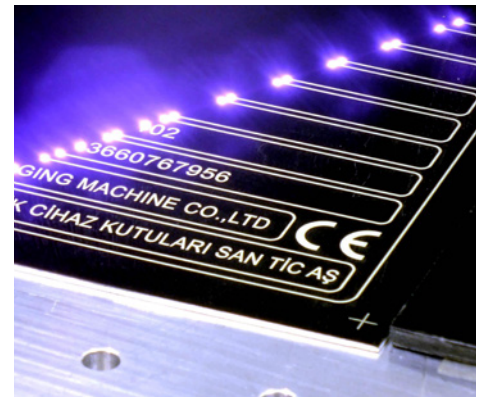
### CNC MACHINING

We process all the surfaces of enclosures with our expert staff on CNC milling machines, under computer control, sensitively and quickly without any damage.



### UV PRINTING

With a digital printing method containing a special ink, we process the images for you on all the surfaces of the boxes in the color and texture you desire.



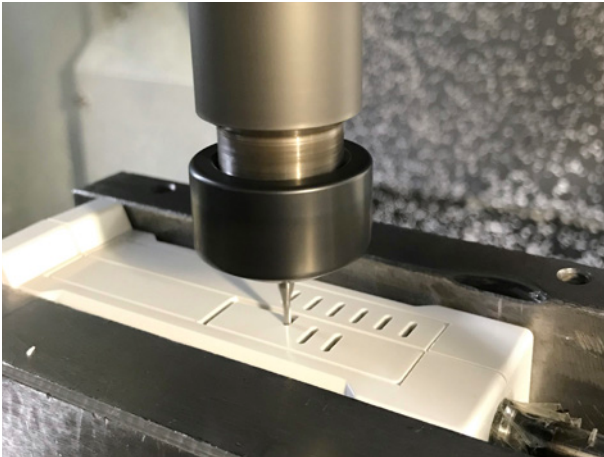
### LASER MARKING

Our printing team will process the images you choose on the surfaces via laser beams and perform scraping and paint removal applications.

## CNC CUTTING WITH CNC MILLING

CNC is the cutting process that generates desired parts by moving the cutting tool on the part at high-speed rotation in milling machines provided by a computer- controlled cutting route. For many years, we have been processing our products in CNC machines according to the wishes of our customers. We carefully, and consciously process products made of plastic, aluminum extrusion, sheet metal, and aluminum casting.

Thanks to our completely computer-controlled industrial CNC machines and many years of experience, we offer precise and clean work in which you can place components such as circuits, terminals, LCD screens, keypads, etc. in our enclosures.



### Operation in Every Geometry

- Altinkaya offers the opportunity to cut in various geometric shapes and sizes.

### No Minimum Order Quantity

- Even though you order 1 piece, we can get it done.

### Excellent Workmanship

- We process all the surfaces of the enclosures precisely and quickly, without any damage, with our staff specialized in customization.

### Precision Cutting Tolerances

- We perform precision machining up to  $\pm 0.1$  mm tolerance.

### Over 30 Years of Experience

- Our experienced staff will guide you for the best results.

### Technical Assistance

- Our experienced staff will give technical support for the excellence of your product.

### Production without any outage

- If there is a outage in production, we cover your damages.



## CNC Cutting Technical Info

Thanks to computer control, we can process all kinds of geometrical patterns.



### Corner Radius

When a rotating tool is used, the corners of the machining shapes are rounded in proportion to the tool length. Sharper corners are possible using a smaller tool, but this increases our machining time and cost.



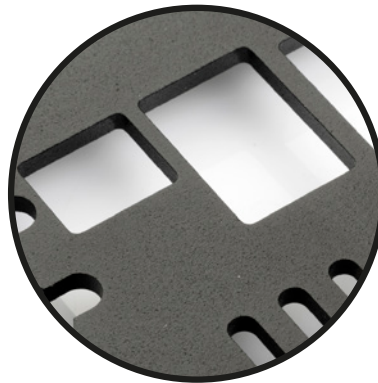
Tool sizes we use in cuttings

Material	Standard Diameter	Minimum Diameter
Plastic	1,00 mm	0,75 mm
Clear Panel	1,25 mm	1,00 mm
Aluminum	1,25 mm	1,00 mm
Sheet Metal	1,25 mm	1,00 mm

Circular Cutting



Rectangle Cutting



Curved Cutting



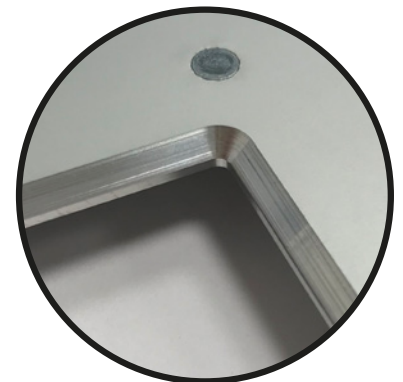
Label Pool Emptying



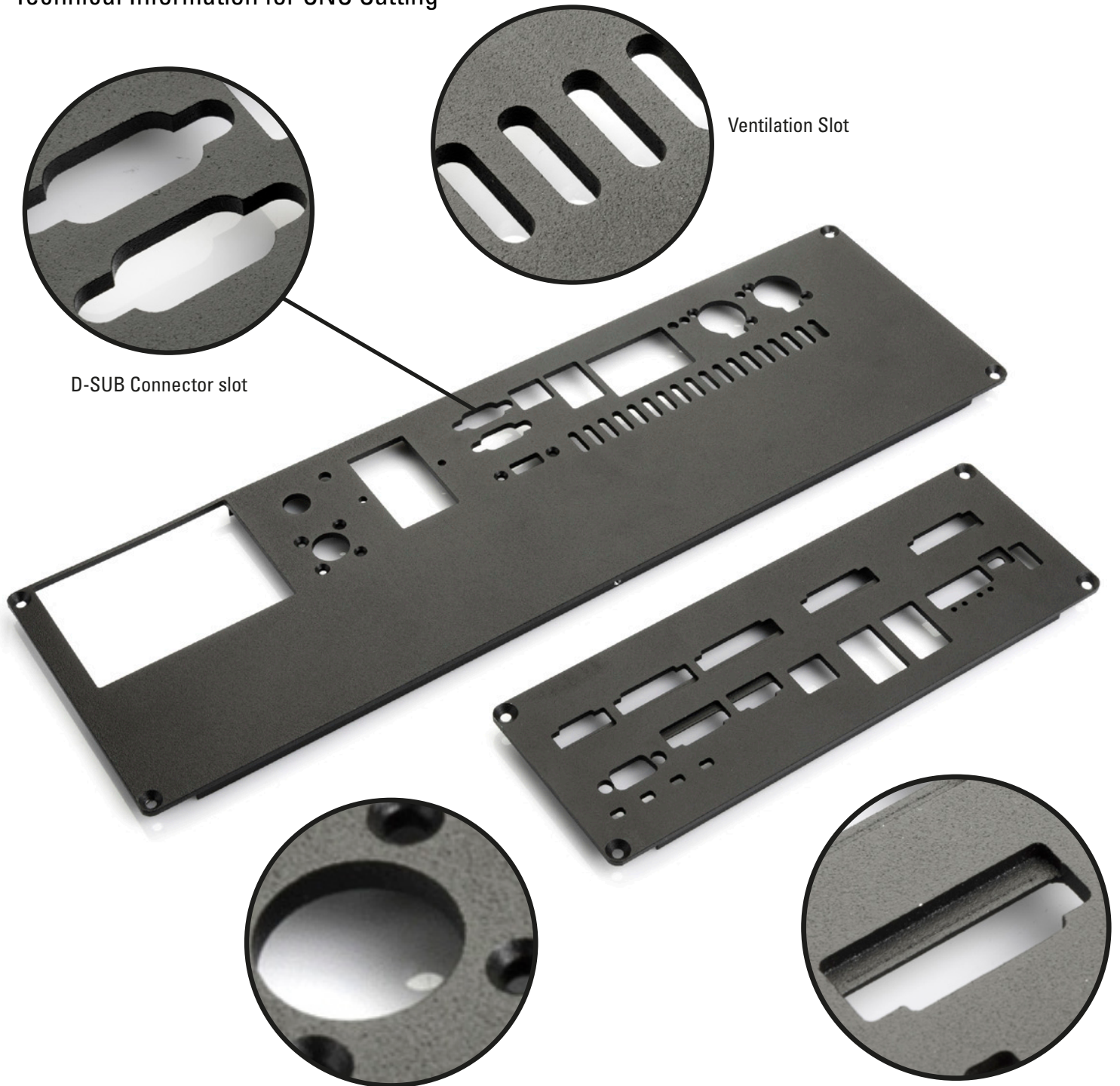
Flat / Slot Countersunk



Chamfering



## Technical Information for CNC Cutting



D-SUB Connector slot

Ventilation Slot

The countersinking procedure can be done to refrain the screws exuded from the surface

All or part of the thickness can be cut for special connectors



Visual printing can be done on the added switch caps.

## Countersunk

Countersinking is cutting the top of the screw hole at an angle so that the head of a screw fits on the mounting surface without protruding. If the countersink thickness of the screw is greater than the thickness of the material to be machined, the excess can be left on the upper or lower surface.

(See Figure 1-2)



Size	Countersunk Height (mm)	Minimum Thickness (mm)
M2	1,2	1,2
M2,5	1,45	1,45
M3	1,75	1,75
M3,5	2	2
M4	2,3	2,3
M4,5	2,55	2,55
M5	2,8	2,8
M6	3,3	3,3
M8	4,4	4,4

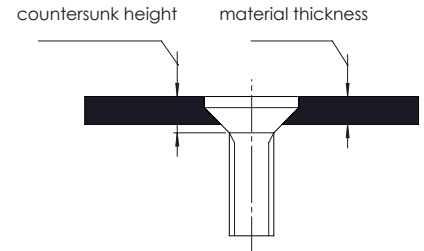


figure 1

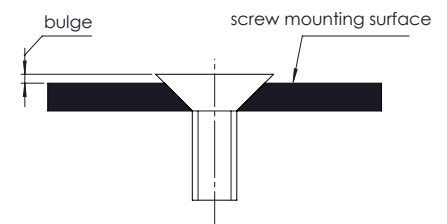


figure 2

## Threading

When mounting components such as connectors and cable glands in enclosures we can also thread the enclosure surface with special tools instead of drilling straight holes and using nuts. You can find the thread lengths and pitches we cut in accordance with PG and Metric standards in the table.

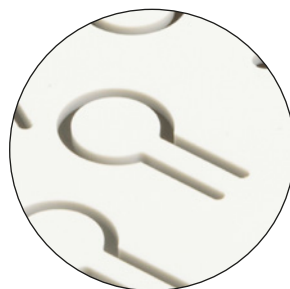


METRIC	
Size	Pitch
M2,5	0,45
M3	0,50
M4	0,70
M5	0,80
M6	1
M7	0,50
M8	0,75
M8	1,25

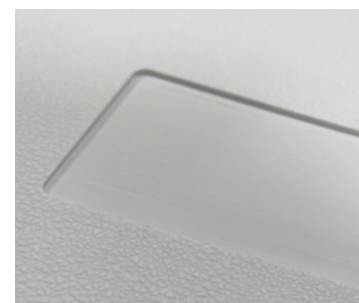
METRIC	
Size	Pitch
M10	0,75
M10	1
M25	1,50
M32	1,50
M40	1,50
M50	1,50
M63	1,50

PG PANZER-GEWINDE	
Size	Pitch
PG7	1,27
PG9	1,411
PG11	1,411
PG13,5	1,41
PG16	1,411
PG21	1,588
PG29	1,588
PG36	1,588
PG42	1,588
PG48	1,588

## Recessed Area for Membrane Label



Enclosures can be machined to stretch so that switch caps do not puncture the label




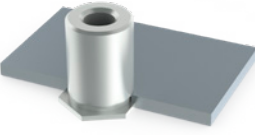
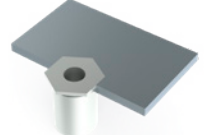



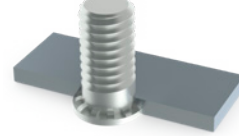
Recessed area at the desired depth

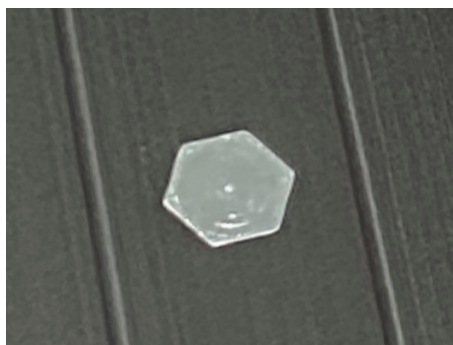
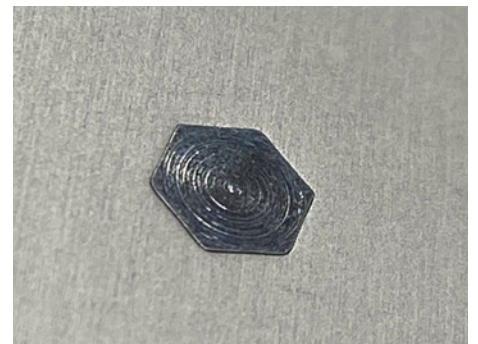
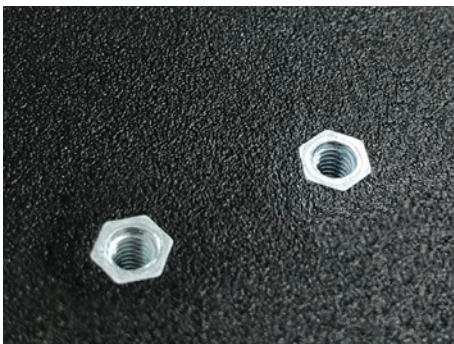
## Clinching Fasteners

Fastening nuts, screws and elevation parts are components that enable all kinds of device and card assembly to be made more robust and durable.

Specially produced fastening nuts, screws and standoffs are pressed into the holes previously drilled on soft metal with a special press with high pressure.

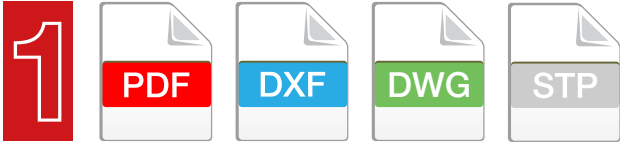
- For aluminum and metal surfaces
- Robust and durable
- Threaded mounting feet at desired height
- Precision work with parallel compression method
- High torque resistance
- Does not require any extra holes or threads
- Reasonable cost and clean workmanship
- Screw, Nut, open and closed mounting feet
- M3, M4, M5 and M6, M8 sizes

Upgrade Steel Parts (Open) S0 Models Compatibility with M3, M4, M5 sizes				
Upgrade Steel Parts (Close) BS0 Models Compatibility M3, M4, M5 sizes				
Drive in nut (Steel) S Models Compatibility with M3, M4, M5, M6, M8 sizes				
Driven Screw (Steel) FH Models Compatibility with M3, M4, M5, M6, M8 sizes				



## Instructions and File Formats for CNC Cutting

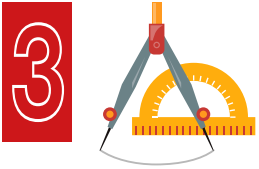
You may send us instructions about CNC cutting in different ways.




You can send processes you want by drawing manually or on the computer on technical pictures of PDF or DXF format is found on our website.



Hand-drawn or computer-drawn sketch of the process 2/3 dimensional technical drawing. You can also see 2/3 D file formats in table 2.



If you do not have any technical drawings, you are able to send sample of your product to us. Necessary drawings will be send after doing according to sample.

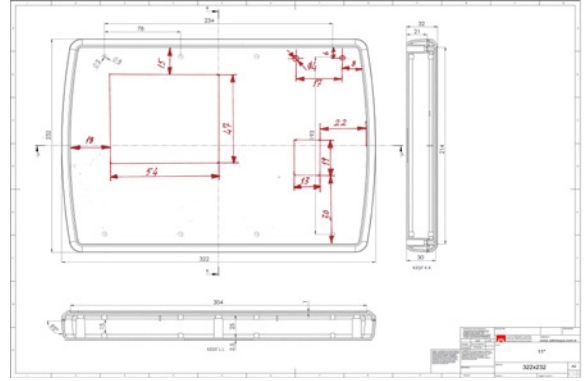
 During production step, once you send your PCB, and components such as connector, terminals, lcd screen with us, the assembly of the components will be checked then, sizes and tolerances will be corrected for a better performance.

### Workmanship code in CNC cutting

**C-2001-001**

We save the works we made previously such as CNC cutting, visual printing in our computer systems by a given code.

If our customers need the same work again, we recommend using these codes to speed up the transactions.

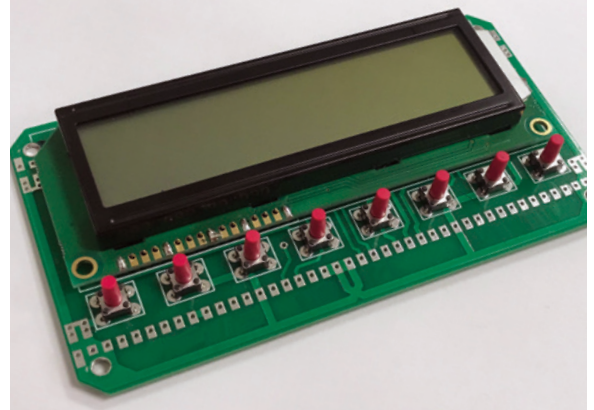


You can share hand drawn sketches on product drawing with us.

File Format	2D / 3D	File Extension
Sketch	2D	pdf, jpg, png, tif
Autocad Drawing	2D	dxf
PDF Drawing	2D	pdf
Step	3D	stp, step
Parasolid	3D	x_t
iges	3D	igs

Please make sure the scale of the file is 1/1.

Table 2

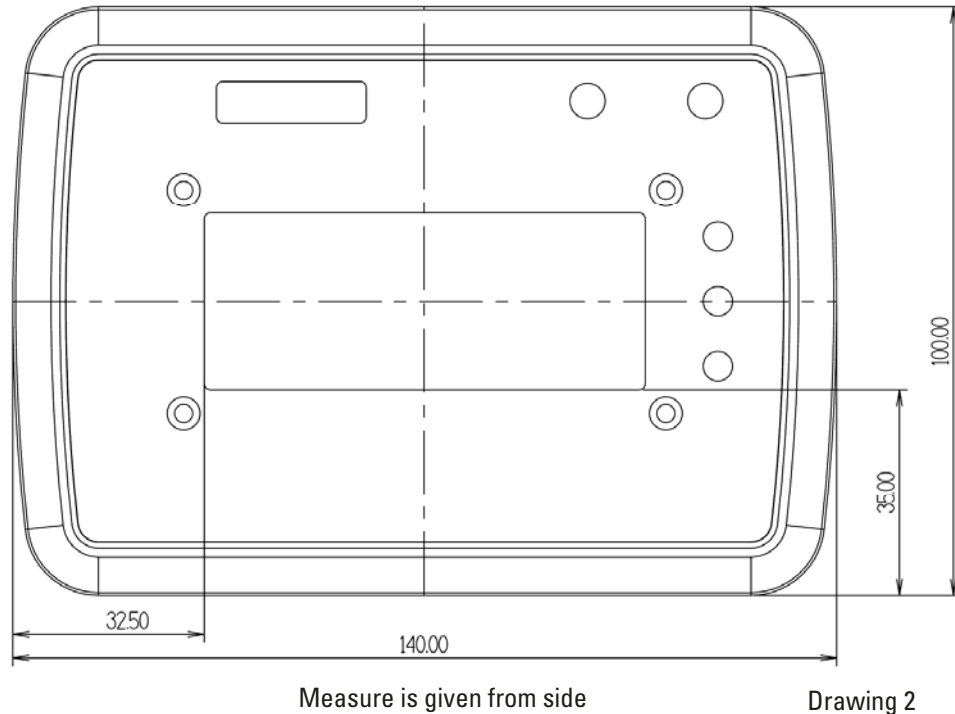
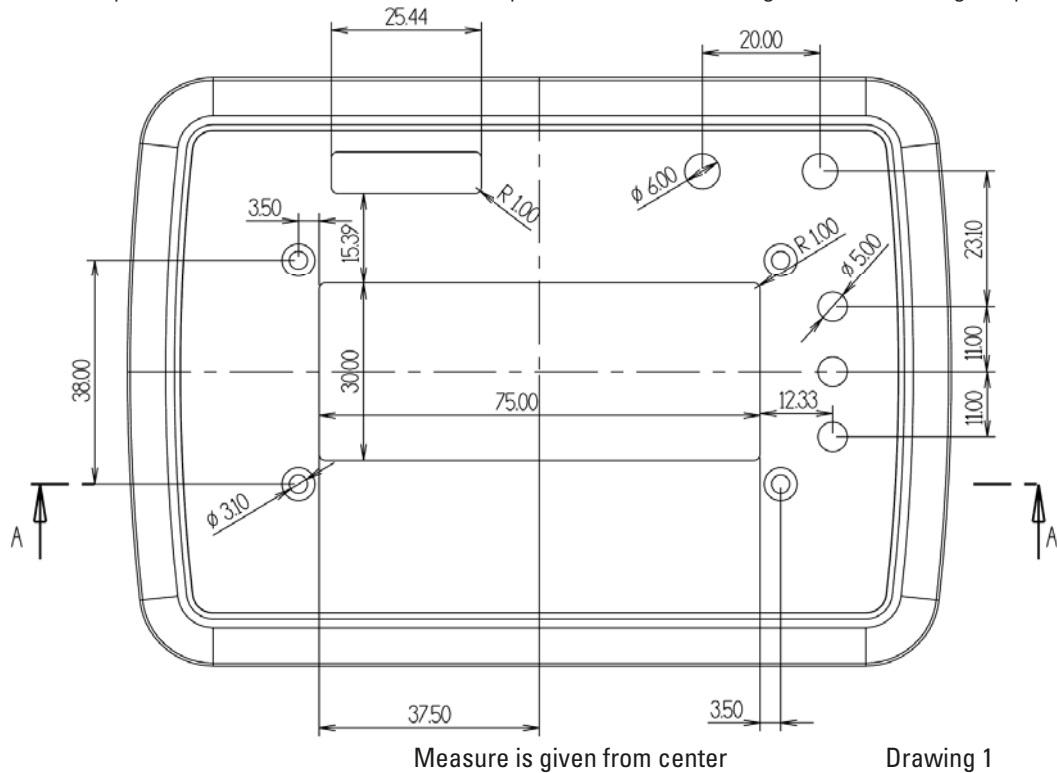




## Technical Drawing for CNC Cutting

### Some details to be considered about technical drawing for CNC cutting

While dimensioning the technical drawing, the center point will be determined first and then the measurement values will be given or the measurements should be made from the points that can be measured with a caliper on the box should be given. The following sample drawings can be used.



## Tolerances

Even though there is a high sensitivity of CNC machines, please avoid giving exact tolerances for plastics as being elastic materials. Please find general tolerances using the following.

Please contact our experts for special custom tolerances or custom assembly parts required.

### Tolerances DIN 7168

Nominal Sizes(mm)	0,5 - 3	3 - 6	6 - 30	30 - 120	120 - 400
Mid	± 0,1	± 0,1	± 0,2	± 0,30	± 0,5

## UV PRINTING

We started UV printing services in our company structure. When the right products is choosen, CNC cut-outs can be made without losing anytime, we can apply the UV printing and/or Laser Marking process. The whole applications are done by Altinkaya, all in under one roof. Doing all the process at Altinkaya will get you won time and money with you can use it as Competitive advantage.

We can print logo, brand, mimic diagram, control panel graphics, panel / screen captions, port marking, potentiometer marking, button marking and even serial numbers on enclosures now.



- Multi-color printing
- Embossing and transparent printing
- Resistant to chemicals
- Corrosion and abrasion resistance
- Time and money advantage
- Laser Marking

### CNC Reference Code

We create new reference codes for your each projects.

These reference codes are saved in our systems in order to apply the same project for the next order.

It will make you get time in this process. It is enough to share the code and we can carry our the project.

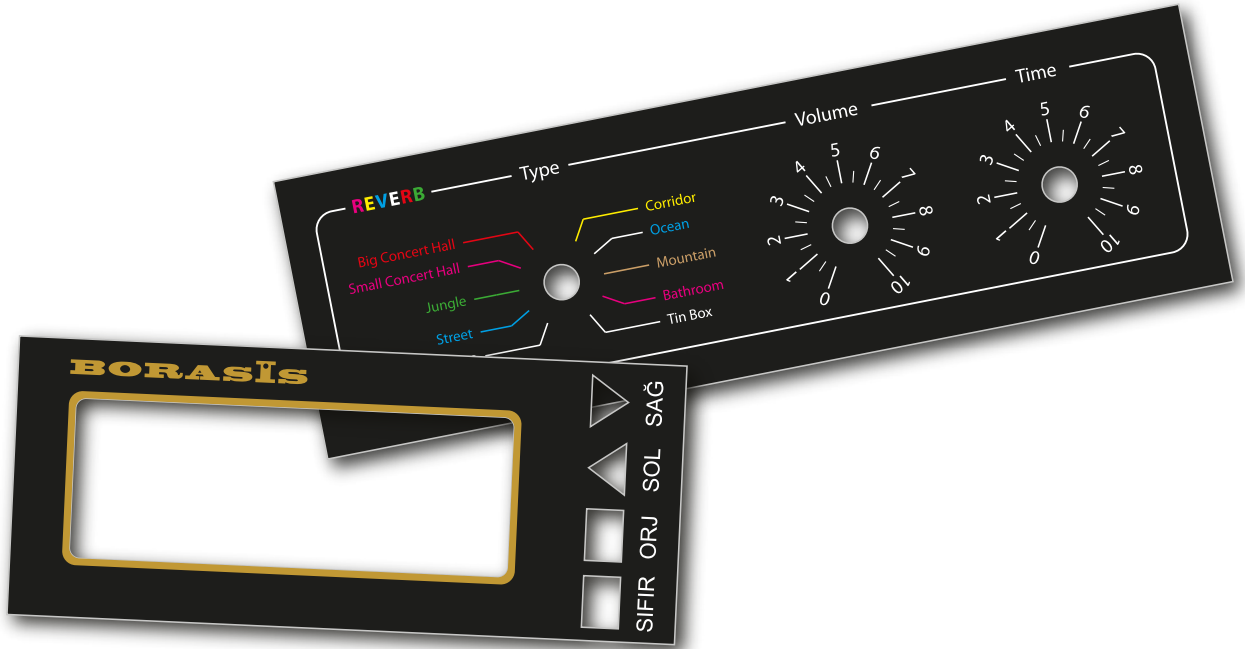
**B-2001-001**



## UV PRINTING

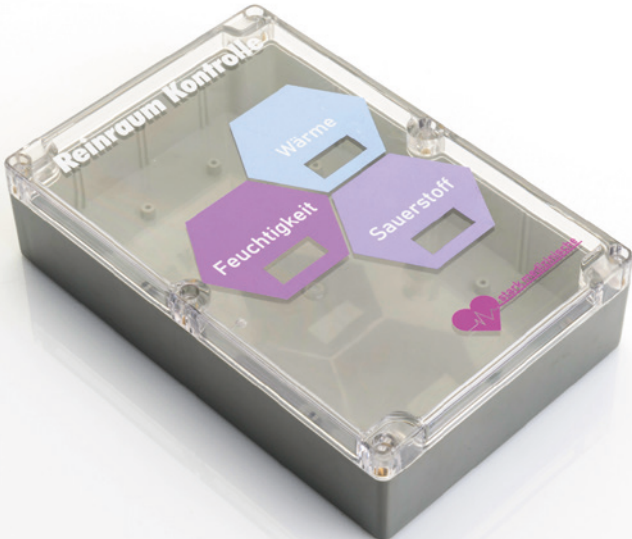
### Improve Your Quality while Reducing your Visual Printing Costs

In manufacturing, time is a very important cost. It takes serious time to disassemble the enclosures you buy, to take them to printing, to follow the process, to take back and reassemble. When you put your order with the visual printing job, you will receive the finished enclosures and save serious time.



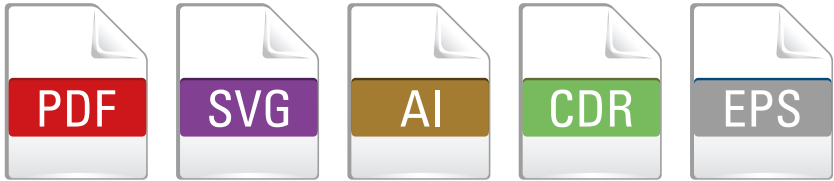
### Reduce labor, transport and wastage costs

Ordering your enclosures with visual printing and receiving the finished products will save you money by reducing transport, labor and wastage costs. You can work for more efficient jobs when we are preparing your prints in our workshop.

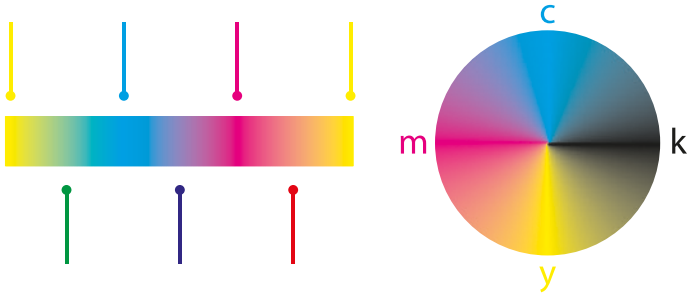


# UV PRINTING

**File types**  
**PDF** (Portable Document Format)  
**SVG** (Scalable Vector Graphics)  
**AI** (Adobe Illustrator)  
**CDR** (Corel Draw)  
**EPS** (Encapsulated PostScript)



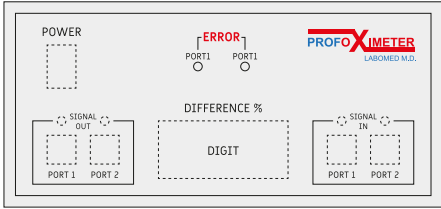
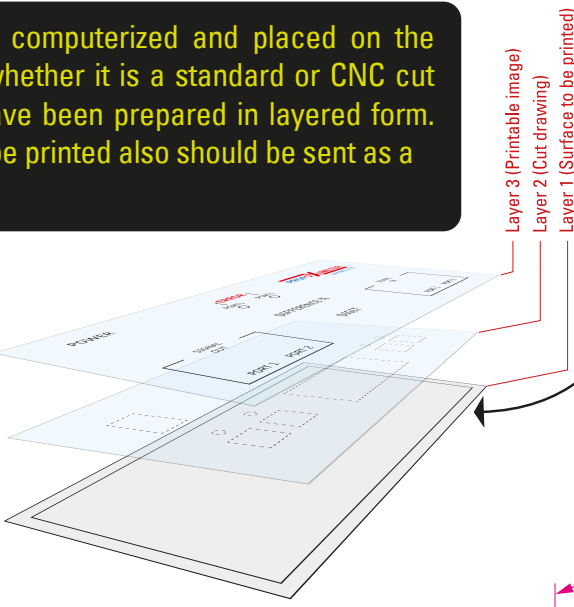
- Graphics must be **vectorial**.
- If there are pixel-based visuals that cannot be vector within the graphics work, it should not be below **300 DPI** in the actual print size.
- All text in the graphic work must be converted as a **vector**.



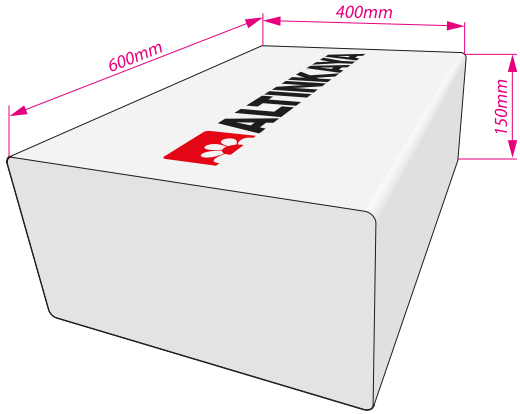
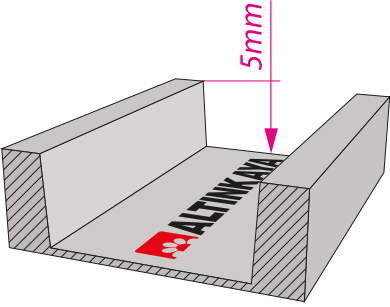
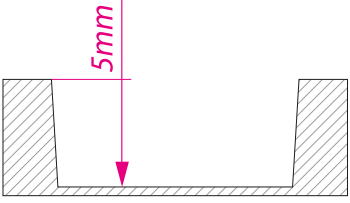
Must be in the CMYK color system. We can print the nearest CMYK equivalent of the colors produced by special paints and Pantone® colors.

The visuals should be computerized and placed on the surface of enclosure whether it is a standard or CNC cut one. The work must have been prepared in layered form. The visuals which will be printed also should be sent as a separate visual file.

We are able to print on surfaces up to 5mm deep from the surface. On deep surfaces, the print resolution decreases.



We are able to print up to 600mm x 400mm surfaces and up to 150mm thickness.



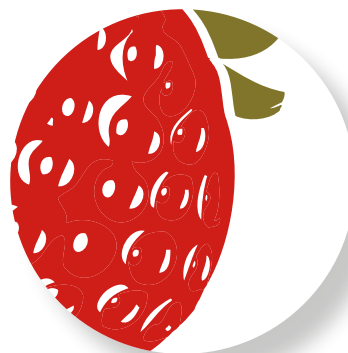
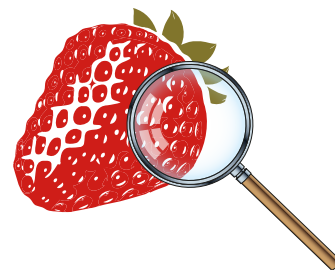
## UV PRINTING



### Differences between UV Cured CMYK Printing System with Serigraphy / Pad Printing.

- Freedom in color use; in the system called Trigromi (CMYK), 3 main colors and black color trays are overlapped with correct angles to obtain millions of colors. Colors are limited in Serigraphy / Pad Printing.
- It is possible to print all colors simultaneously in our system. Each color is printed separately for Serigraphy / Pad Printing.
- As the UV curing method dries the print immediately, it is possible to minimize the appearance of bad colors.
- Since our printing machine has a precision of 0.01 mm, there is no possibility of gap formation or overlapping colors. These possibilities are always present in Serigraphy / Pad Printing (as shown in Fig. 2).
- Since our printing machine has a precision of 0.01 mm, there is no possibility of gap formation or overlapping colors. These possibilities are always present in Serigraphy / Pad Printing (as shown in Fig. 2).
- Since our printing machine has a precision of 0.01 mm, there is no possibility of gap formation or overlapping colors. These possibilities are always present in Serigraphy / Pad Printing (as shown in Fig. 2).

**1**  
UV Curing  
CMYK Print



**2**  
Serigraphic or  
Pad Printing

## UV PRINTING

### Can we get our logo and/or brand printed on enclosures we purchased from you?

Sure, we can print whatever you need on enclosures which has available material and surface.

### Can you also print graphics such as mimic diagrams, control panels, buttons and port markings?

Yes. We can print graphics with our UV curing system.

### Is there a limitation in colors?

We can apply all colors in photographic color space.

### Can you print the Pantone® or RAL color of our company logo?

In our printing system CMYK color space, we are able to achieve close to 85% proximity to Pantone® and RAL codes.

### Can you print any color on all color of enclosures?

According to the color of the box and the color of the printing we are able to print any color (including white), using the optional primer printing applicator, at an additional cost. We will recommend you color systems and you can choose the system that suits you best.

### Can you print variables such as serial number?

Yes, we can make variable prints such as serial number / lot number at additional cost

### Previous prints were deleted by contact or using. Do you have such problem?

Our UV cured printing system has passed abrasion tests. Lasts longer than many methods.

### Our device is in contact with some chemicals, will these chemicals remove prints?

We have seen that prints are not erased in different tests with different chemicals. Also you can test the prints with chemicals that your device is exposed to

### Will sun exposure fade the prints on our products?

The printing method we use is highly resistant to sunlight.

### How do you do the pricing?

We calculate the surface area of the printed product and how many layers we print.

### Will our costs increase if we switch from Serigraph Printing to UV Printing?

No. Leaving aside the costs that appear, will be less costly if we look at the time and labor you spend on printing in a different place.





# IP67 HINGED ENCLOSURES



**Color**  
Light gray (ref. RAL 7035)

**Protection Class**  
IP67

**Material**

- Body : ABS
- Lid : ABS / PC
- Seal : TPE

**Features:**

- IP67 waterproof design
- Stainless steel lid latch
- Ear for padlock
- ASA material option for the resistance in the outdoor usage

**Accessories:**

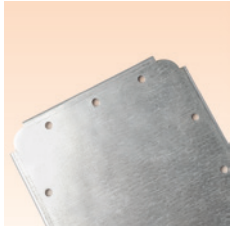
- 1 mm galvanized sheet mounting plate
- EC-20 Aluminum mounting ear
- EC-22 Plastic mounting ear
- Pole mounting kit options
- Hinged anodized aluminum inner door



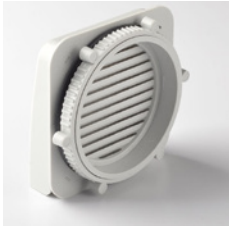
Special Stainless Steel Screws



Stainless Steel Lid Latch



Galvanized sheet mounting plate



Plastic Ventilation



IP67 Waterproof Design



Ear for Padlock



Clear PC Lid Option



Outdoor Resistant White - Colored ASA Material Option



Hinged Inner Door Option



Pole Mounting Kit Option

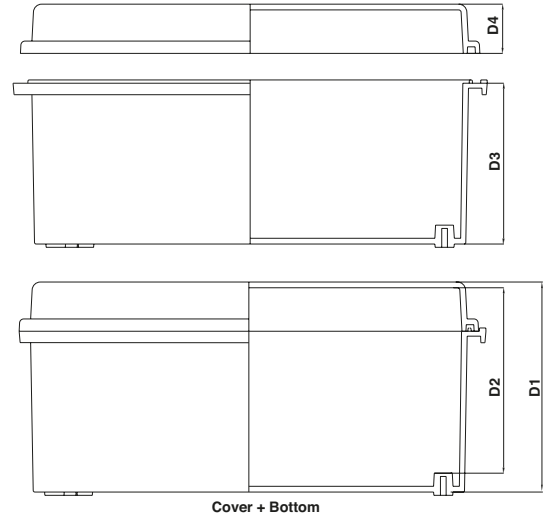
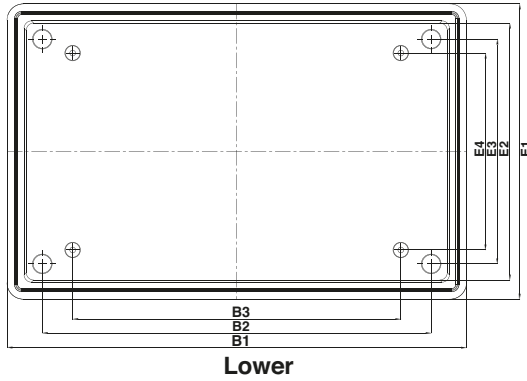
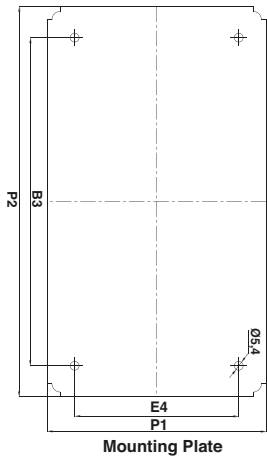


Aluminum Mounting Ears



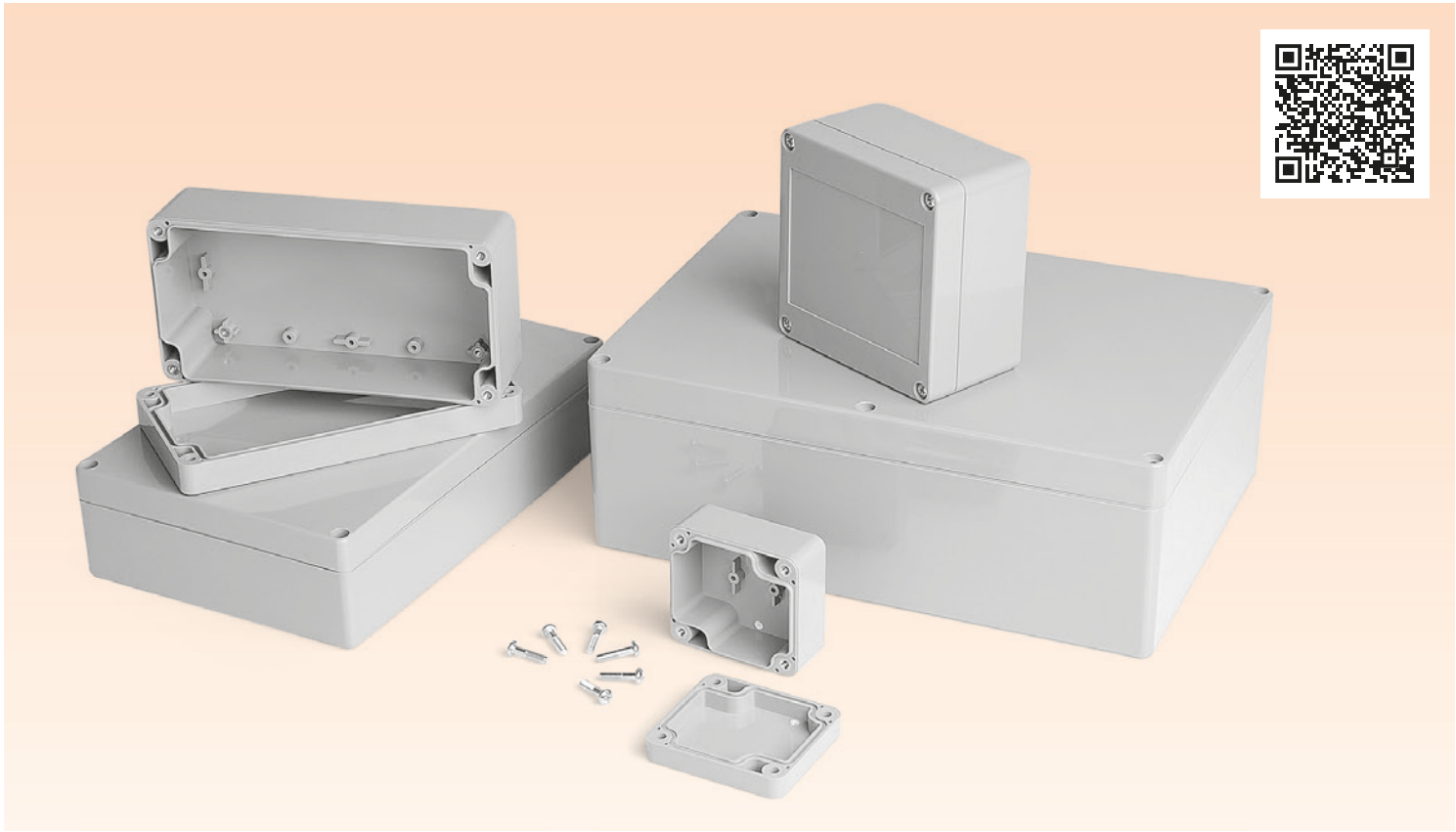
Plastic Mounting Ears





Code	Sizes	E1	E2	E3	E4	B1	B2	B3	D1	D2	D3	D4	P1	P2	
EC - 912-7	90 x 120 x 70	90	68	48	50	120	78	80	70	56	49	20	68	98	NEW
EC - 912-9	90 x 120 x 90	90	68	48	50	120	78	80	90	77	70	20	68	98	
EC - 1015-8	100 x 150 x 85	100	78,5	61,5	60	150	111,5	60	85	72	65	20	75	125	
EC - 1515-9	150 x 150 x 89	150	128	108	108	150	108	108	89	76	69	20	124	124	
EC - 1318-10	130 x 180 x 100	130	112	95	90	180	145	100	100	87	80	20	102	152	
EC - 1624-5	160 x 240 x 53	160	138	117	116	240	197	160	53	39	38	15	128	208	
EC - 1624-11	160 x 240 x 112	160	136	117	116	240	197	160	112	98	97	15	128	208	
EC - 1722-13	170 x 220 x 127	170	146	127	110	220	177	80	127	112	97	30	134	184	
EC - 2030-8	200 x 300 x 80	200	170	150	120	300	250	220	80	66	50	30	150	250	NEW
EC - 2030-13	200 x 300 x 130	200	170	150	120	300	250	220	130	115,9	99,4	30	150	250	
EC - 2030-18	200 x 300 x 187	200	169	150	120	300	250	220	187	173	157	30	150	250	
EC - 2121-10	210 x 210 x 100	210	187	167	160	210	167	120	100	86	70	30	190	190	
EC - 2121-13	210 x 210 x 130	210	186	167	160	210	167	120	130	116	100	30	190	190	
EC - 2121-18	210 x 210 x 178	210	186	167	160	210	167	120	178	164	148,2	30	190	190	NEW
EC - 2535-13	250 x 350 x 127	250	226	207	180	350	307	280	127	113	97	30	210	310	
EC - 2535-15	250 x 350 x 150	250	226	207	180	350	307	280	150	137	120	30	210	310	
EC - 2818-7	170 x 280 x 70	180	156	137	120	280	237	200	67	53	37	30	133	238	NEW
EC - 2818-13	180 x 280 x 127	180	156	137	120	280	237	200	127	112	97	30	133	238	
EC - 2828-13	280 x 280 x 127	280	256	237	200	280	237	200	127	112	97	30	238	238	
EC - 3040-16	300 x 400 x 159	300	264	250	220	400	350	320	159	142	129	30	242	343	
EC - 3040-20	300 x 400 x 200	300	268	250	220	400	350	320	200	183	170	30	242	343	
EC - 3535-18	350 x 350 x 180	350	352	307	280	350	307	280	180	165	150	30	320	320	
EC - 4050-20	400 x 500 x 200	400	368	348,5	300	500	448,5	400	200	186	170	30	350	450	

# IP67 HEAVY DUTY ENCLOSURES



- |   |   |   |
|---|---|---|
| <p><b>Color</b><br/>Dark Grey</p> <p><b>Protection Class</b><br/>IP67</p> | <p><b>Material</b></p> <ul style="list-style-type: none"> <li>• Body : ABS</li> <li>• Lid : ABS / PC</li> <li>• Seal : TPE</li> </ul> | <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• IP67 waterproof design</li> <li>• Waterproof design keeping wall mounting ears and lid screws outside the seal</li> <li>• Regardless of thousands of opens and closes, damage-free lid thanks to brass inserts</li> <li>• ROHS Compliance</li> </ul> |
|---|---|---|



Card Rails



Customization Option



Clear Lid Option



IP67 Seal



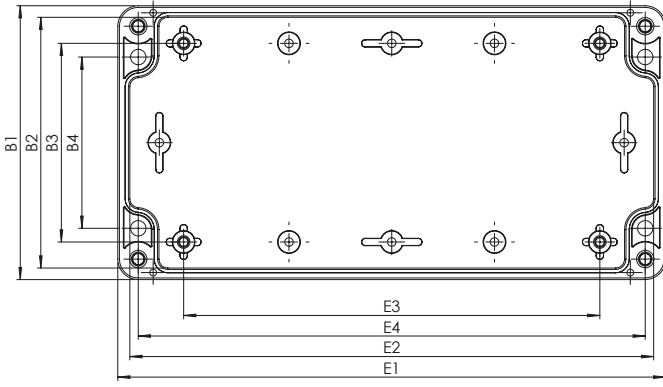
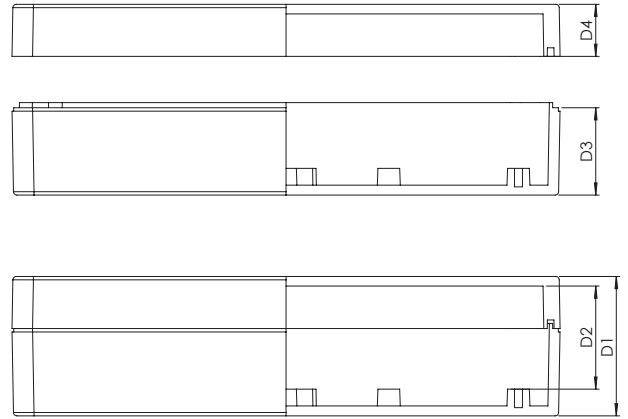
Mounting Bosses



Inserts



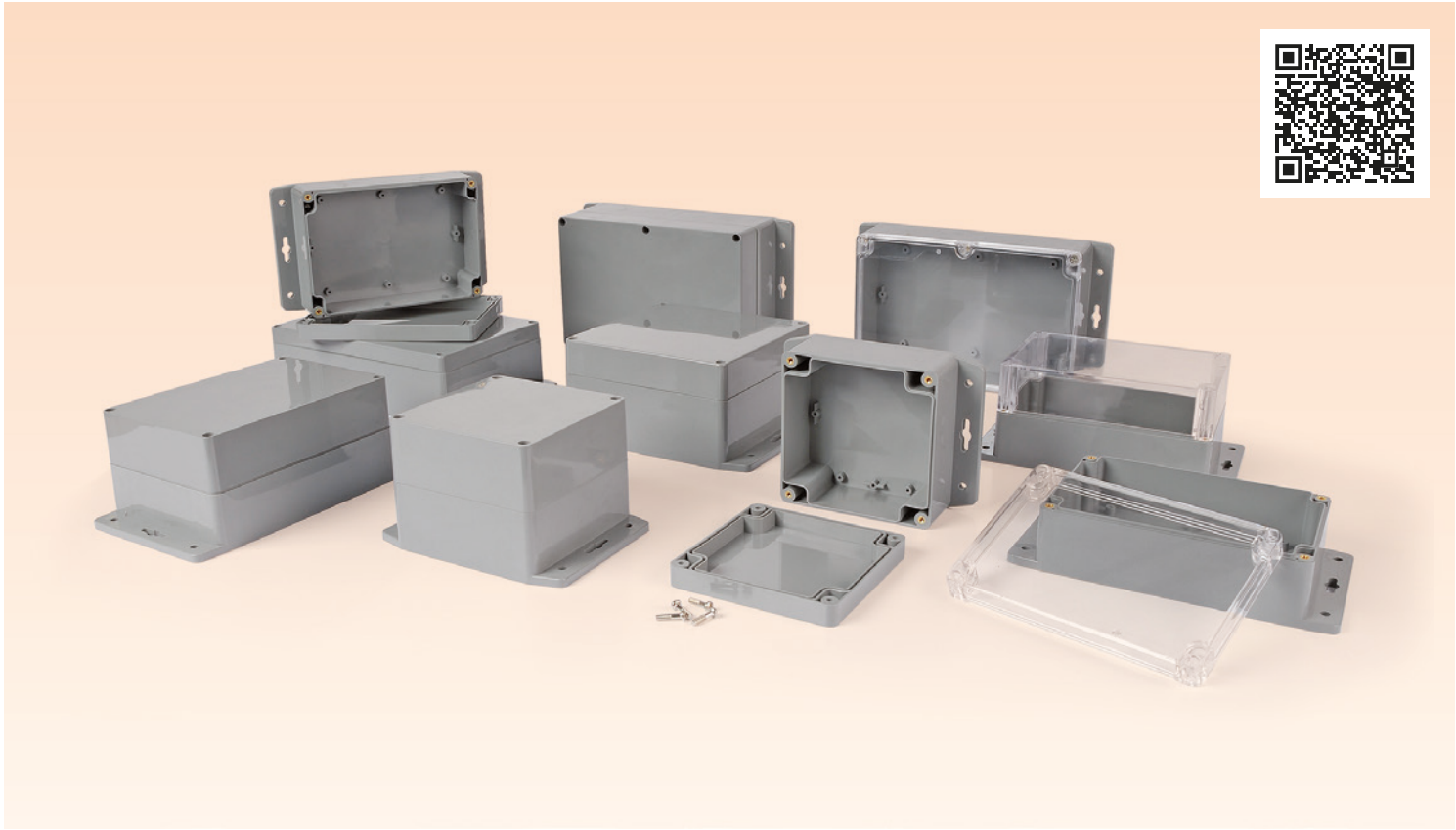
Outdoor Resistant White - Colored ASA Material Option


**BASE**

**COVER + BASE**

Code	Sizes	E1	E2	E3	E4	B1	B2	B3	B4	D1	D2	D3	D4
SE-035	115 x 65 x 55	<b>115</b>	108	95	85	<b>65</b>	57	28,4	<b>53</b>	55	45	40	15
SE-050	170 x 120 x 55	<b>170</b>	162	120	157,5	<b>120</b>	112	100	<b>91,5</b>	55	43	40	15
SE-056	175 x 90 x 100	<b>175</b>	167	121,5	163	<b>90</b>	82	58	<b>57</b>	100	88	75	25
SE-202	52 x 50 x 35	<b>52</b>	46	16,4	40	<b>50</b>	44	-	<b>38</b>	35	25	25	10
SH-203	48 x 57 x 41	<b>48</b>	42	-	37	<b>57</b>	51	34	<b>46</b>	41	29,5	28,5	12
SE-204	64 x 58 x 35	<b>64</b>	57	20	34	<b>58</b>	51	-	<b>46</b>	35	25	25	10
SE-205	64 x 68 x 35	<b>64</b>	57	38,5	34	<b>68</b>	61	-	<b>56</b>	35	25	25	10
SE-206	82 x 80 x 55	<b>82</b>	75	43,5	70	<b>80</b>	73	57	<b>50</b>	55	42	40	15
SE-208	185 x 37 x 35	<b>185</b>	160	150	173	<b>37</b>	30	25	<b>7,5</b>	35	25,5	25	10
SE-210	115 x 65 x 40	<b>115</b>	108	95	83,5	<b>65</b>	58	28	<b>53</b>	40	30,5	25	15
SE-212	115 x 65 x 55	<b>115</b>	107	95	85	<b>65</b>	57	28	<b>53</b>	55	45	40	15
SE-214	120 x 80 x 55	<b>120</b>	113	81,5	108	<b>80</b>	73	60	<b>50</b>	55	43	40	15
SE-215	120 x 80 x 65	<b>120</b>	113	81,5	108	<b>80</b>	73	60	<b>50</b>	65	53	40	25
SE-216	120 x 80 x 85	<b>120</b>	112	81,5	108	<b>80</b>	72	60	<b>50</b>	85	60,5	70	15
SE-217	120 x 80 x 95	<b>120</b>	112	81,5	108	<b>80</b>	72	60	<b>50</b>	95	70,5	70	25
SE-218	100 x 100 x 55	<b>100</b>	93	36	68	<b>100</b>	93	78	<b>80</b>	55	44	40	15
SE-220	100 x 100 x 90	<b>100</b>	92	36	68	<b>100</b>	92	78	<b>80</b>	90	78,5	75	15
SE-222	115 x 90 x 55	<b>115</b>	107	77	103	<b>90</b>	82	68	<b>59</b>	55	44,5	40	15
SE-224	115 x 90 x 80	<b>115</b>	107	86	103	<b>90</b>	82	40,5	<b>59,5</b>	80	70	65	15
SE-225	160 x 80 x 40	<b>160</b>	152	121,5	148	<b>80</b>	73	58	<b>50</b>	40	30	25	15
SE-226	160 x 80 x 55	<b>160</b>	152	121,5	148	<b>80</b>	72	58	<b>50</b>	55	44,5	40	15
SE-228	160 x 80 x 85	<b>160</b>	152	121,5	148	<b>80</b>	72	58	<b>50</b>	85	74	70	15
SE-229	160 x 80 x 95	<b>160</b>	152	121,5	148	<b>80</b>	72	58	<b>50</b>	95	84	70	25
SE-230	120 x 120 x 60	<b>120</b>	112	56	86	<b>120</b>	112	98	<b>106</b>	60	48,5	45	15
SE-232	120 x 120 x 90	<b>120</b>	112	56	86	<b>120</b>	112	98	<b>106</b>	90	78,5	45	45
SE-234	195 x 80 x 55	<b>195</b>	187	160	183	<b>80</b>	72	45	<b>48</b>	55	45	45	10
SE-235	195 x 80 x 65	<b>195</b>	187	160	183	<b>80</b>	72	45	<b>48</b>	65	54,5	45	20
SE-236	171 x 121 x 55	<b>171</b>	163	132	159	<b>121</b>	113	91,5	<b>91</b>	55	44,5	40	15
SE-238	171 x 121 x 80	<b>171</b>	163	132	159	<b>121</b>	113	91,5	<b>91</b>	80	69,5	40	40
SE-240	200 x 120 x 75	<b>200</b>	191	160,5	188	<b>120</b>	111	90	<b>90,5</b>	75	63	60	15
SE-242	200 x 120 x 90	<b>200</b>	191	160,5	188	<b>120</b>	111	90	<b>90,5</b>	90	77	60	30
SE-244	160 x 160 x 60	<b>160</b>	152	138	146	<b>160</b>	152	96	<b>126</b>	60	49	30	30
SE-246	160 x 160 x 90	<b>160</b>	152	138	146	<b>160</b>	152	96	<b>126</b>	90	79	60	30
SE-248	240 x 120 x 100	<b>240</b>	233	202,5	228	<b>120</b>	113	98,6	<b>89</b>	100	48	35	25
SE-249	190 x 190 x 55	<b>190</b>	183	100	159	<b>190</b>	183	168	<b>178</b>	55	40	40	15
SE-250	240 x 120 x 100	<b>240</b>	231	202,5	227,5	<b>120</b>	111	98,6	<b>89,5</b>	100	87	75	25
SE-252	200 x 150 x 55	<b>200</b>	192	160	188,5	<b>150</b>	142	118	<b>118,5</b>	55	43	40	15
SE-254	200 x 150 x 75	<b>200</b>	192	160	188,5	<b>150</b>	142	118	<b>118,5</b>	75	62	60	15
SE-256	222 x 146 x 55	<b>222</b>	215	182,4	210	<b>146</b>	139	116,2	<b>116</b>	55	44,5	40	15
SE-258	222 x 146 x 75	<b>222</b>	215	182,4	210	<b>146</b>	139	116,2	<b>116</b>	75	64	40	35
SE-259	215 x 175 x 55	<b>215</b>	208	169,2	202	<b>175</b>	168	142	<b>142</b>	55	42	35	20
SE-260	240 x 160 x 90	<b>240</b>	231	201,5	228	<b>160</b>	151	136	<b>130</b>	90	78,5	75	15
SE-262	240 x 160 x 120	<b>240</b>	231	201,5	228	<b>160</b>	151	136	<b>130</b>	120	108	75	45
SE-264	265 x 185 x 95	<b>265</b>	256	240	252	<b>185</b>	176	75	<b>153</b>	95	84	75	20
SE-266	353 x 140 x 120,5	<b>353</b>	347	336,5	344,5	<b>140</b>	134	62	<b>112</b>	120,5	106,5	79,5	41
SE-268	300 x 230 x 86	<b>300</b>	292	255	288	<b>230</b>	222	198,5	<b>200</b>	86	72,5	56	30
SE-269	250 x 250 x 120	<b>250</b>	242	200	220	<b>250</b>	242	200	<b>238</b>	120	105,5	90	30
SE-270	300 x 230 x 111	<b>300</b>	292	255	288	<b>230</b>	222	198,5	<b>200</b>	111	97	56	55
SE-272	360 x 200 x 150	<b>360</b>	352	301	340	<b>200</b>	192	172	<b>156</b>	150	132,5	100	50
SE-2260	313 x 228 x 95	<b>313</b>	293	260,5	286	<b>228</b>	207	50	<b>176</b>	95	78	69	25

**NEW**
**NEW**

# IP67 FLANGED HEAVY DUTY ENCLOSURES



- Color**  
Dark Grey
- Material**
- Body : ABS
  - Lid : ABS / PC
  - Seal : TPE
- Protection Class**  
IP67
- Features:**
- IP67 water resistant design
  - Waterproof design keeping wall mounting ears and lid screws outside the seal
  - Regardless of thousands of opens and closes, damage-free lid thanks to brass inserts
  - ROHS compliance



Mounting Flanges



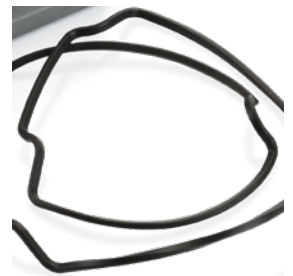
Customization Option



Clear Lid Option



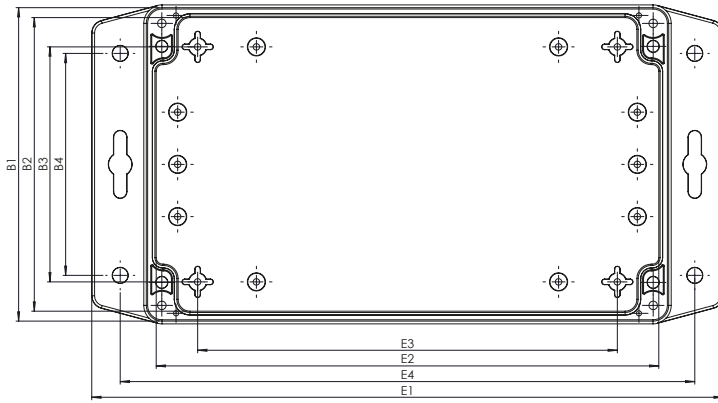
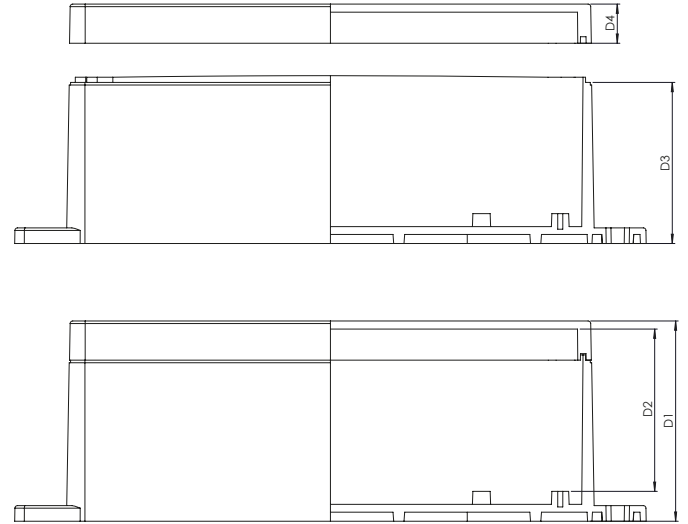
Inside the enclosure inserts



IP67 Seal

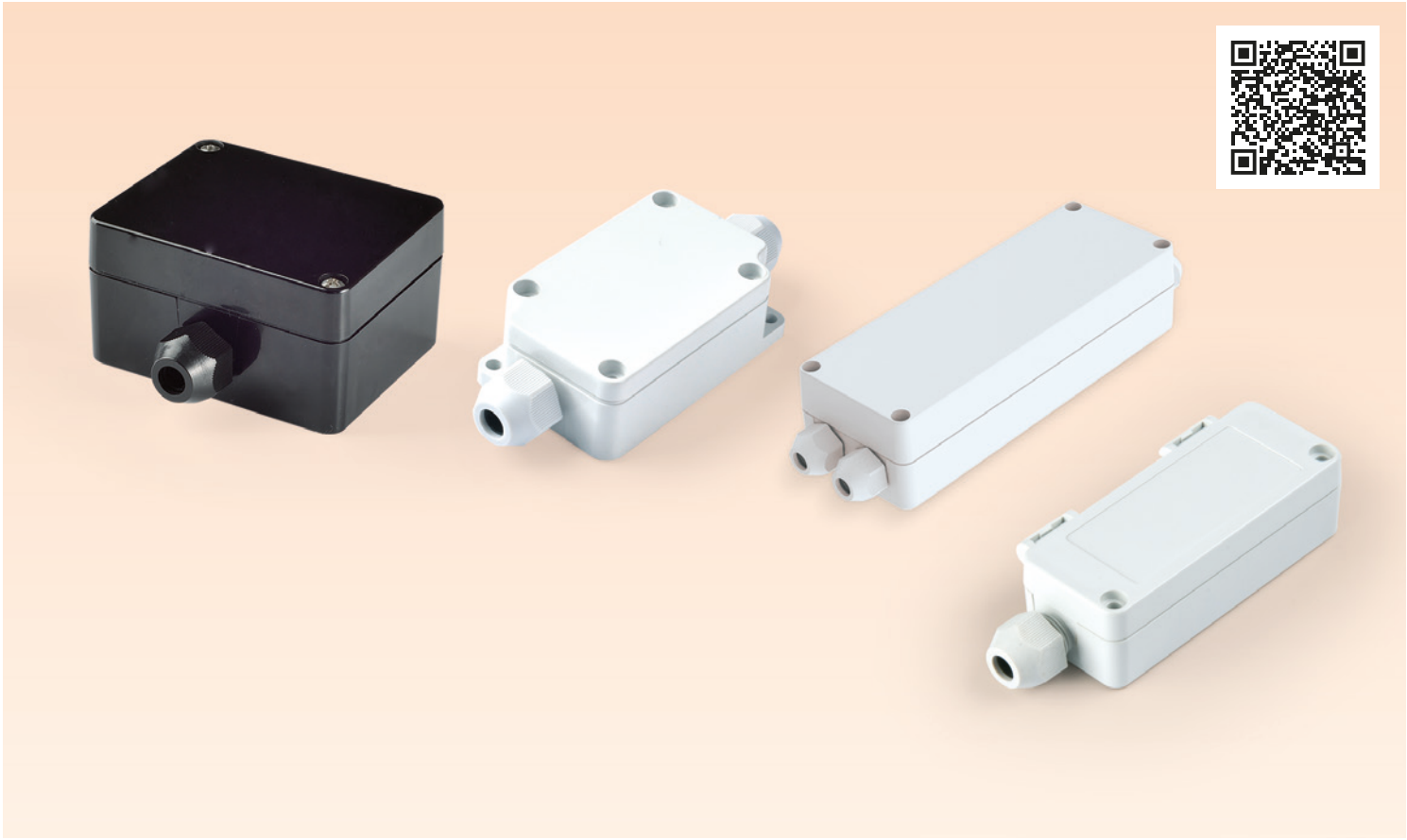


Sticker Pool


**BASE**

**COVER + BASE**

Code	Sizes	E1	E2	E3	E4	B1	B2	B3	B4	D1	D2	D3	D4	
SF-202	84 x 50 x 39	<b>84</b>	46	16,4	67,5	<b>50</b>	44	-	-	39	25,5	29	10	
SF-204	100 x 58 x 38,5	<b>100</b>	57	20	80	<b>58</b>	51	-	-	38,5	25	28,5	10	
SF-205	100 x 69 x 38,5	<b>100</b>	57	38,5	80	<b>69</b>	61	-	-	38,5	25	28,5	10	<b>NEW</b>
SF-206	118 x 82 x 66	<b>118</b>	73	64,3	97,3	<b>82</b>	75	44,2	<b>50</b>	66	51,5	50,5	15	
SF-207	118 x 82 x 55	<b>118</b>	74	64,6	97,4	<b>82</b>	76	44,5	<b>50</b>	55	40,5	40	15	
SF-209	140 x 70,5 x 43	<b>140</b>	98	71	120	<b>70,5</b>	63	50	<b>45</b>	43	28	28	15	<b>NEW</b>
SF-210	154 x 65 x 45	<b>154</b>	108	95	133,5	<b>65</b>	58	28	<b>42</b>	45	31,5	30	15	<b>NEW</b>
SF-212	154 x 65 x 59	<b>154</b>	107	95	133,5	<b>65</b>	57	28	<b>42</b>	59	45	43,5	15	
SF-214	158,5 x 80 x 59	<b>158,5</b>	113	81,5	138,5	<b>80</b>	73	60	<b>50</b>	59	43,5	43,5	15	
SF-215	158,5 x 80 x 69	<b>158,5</b>	113	81,5	138,5	<b>80</b>	73	60	<b>50</b>	69	43,5	43,5	15	
SF-220	142 x 100 x 93	<b>142</b>	92	36	122,5	<b>100</b>	92	78	<b>69,5</b>	93	77,5	77,7	15	
SF-222	157,5 x 90 x 58,5	<b>157,5</b>	108	77	138	<b>90</b>	83	68	<b>58</b>	58,5	44	43	15	
SF-226	202,5 x 80 x 58,5	<b>202,5</b>	153	121,5	183,5	<b>80</b>	73	58	<b>48</b>	58,5	44,5	43	15	
SF-230	160 x 120 x 65	<b>160</b>	112	56	137,5	<b>120</b>	112	98	<b>80</b>	65	51,5	50,5	15	
SF-231	150 x 120 x 65	<b>150</b>	113	98	135	<b>120</b>	113	83,5	<b>85</b>	65	50	50	15	
SF-232	160 x 120 x 95	<b>160</b>	112	56	137,5	<b>120</b>	112	98	<b>80</b>	95	81,5	50,5	45	
SF-234	237 x 82 x 60	<b>237</b>	188	160	215	<b>82</b>	73	45	<b>50</b>	60	46	50	10	<b>NEW</b>
SF-235	237 x 82 x 70	<b>237</b>	188	160	215	<b>82</b>	73	45	<b>50</b>	70	55	50	20	<b>NEW</b>
SF-236	212 x 123 x 60	<b>212</b>	164	120	191	<b>123</b>	114	90	<b>89,5</b>	60	46	45	15	
SF-238	212 x 123 x 85	<b>212</b>	164	120	191	<b>123</b>	114	90	<b>89,5</b>	85	71	45	40	
SF-240	242 x 122 x 77	<b>242</b>	192	160,7	220	<b>122</b>	112	90	<b>85</b>	77	62	61,7	15	<b>NEW</b>
SF-242	200 x 160 x 92	<b>200</b>	192	160,7	220	<b>160</b>	112	90	<b>85</b>	92	76	61,7	30	<b>NEW</b>
SF-246	200 x 160 x 90	<b>200</b>	152	96,5	177,5	<b>160</b>	152	138,7	<b>100,5</b>	90	75	59,7	30	
SF-249	230 x 190 x 58	<b>230</b>	183	168	210	<b>190</b>	183	100	<b>140</b>	58	40	43	15	<b>NEW</b>
SF-256	262 x 146 x 66	<b>262</b>	214	152	240	<b>146</b>	138	100	<b>90</b>	66	51	51	15	
SF-258	262 x 146 x 86	<b>262</b>	214	152	240	<b>146</b>	138	100	<b>90</b>	86	70,5	51	35	
SF-269	300 x 250 x 120	<b>300</b>	242	200	275	<b>250</b>	242	200	<b>180</b>	120	102,5	90	30	
SF-5075-19	50 x 75 x 19	<b>50</b>	69	42,5	85	<b>75</b>	44	33,5	-	19	9	10	7	
SF-5075-24	50 x 75 x 24	<b>50</b>	69	42,5	85	<b>75</b>	44	33,5	-	24	14	10	12	<b>NEW</b>
SF-2350	520 x 80 x 58	<b>520</b>	473	460	500	<b>80</b>	71	45	<b>50</b>	58	43	43	15	
S-2530	250 x 350 x 110	<b>250</b>	291	250	325	<b>350</b>	241	200	<b>104</b>	110	93,5	77,5	32	<b>NEW</b>

# IP67 ENCLOSURES WITH CABLE GLANDS



**Color** : Light gray similar to RAL 7035  
**Protection Class** : IP67

**Material**

- Body : ABS UL94-V0
- Lid : ABS UL94-V0
- Seal : TPE

**Features:**

- IP67 waterproof design
- Terminal Option



IP67 Seal



Terminal Option

Code	Width (A)	Length (B)	Height (C)
TB-1065	100	65	40
TB-1712	169	118,5	55
TB-1865	180	65	45
TB-204	80	50	25
TB-240	100	40	30
TB-242	100	40	30
TB-520	82,5	65	45

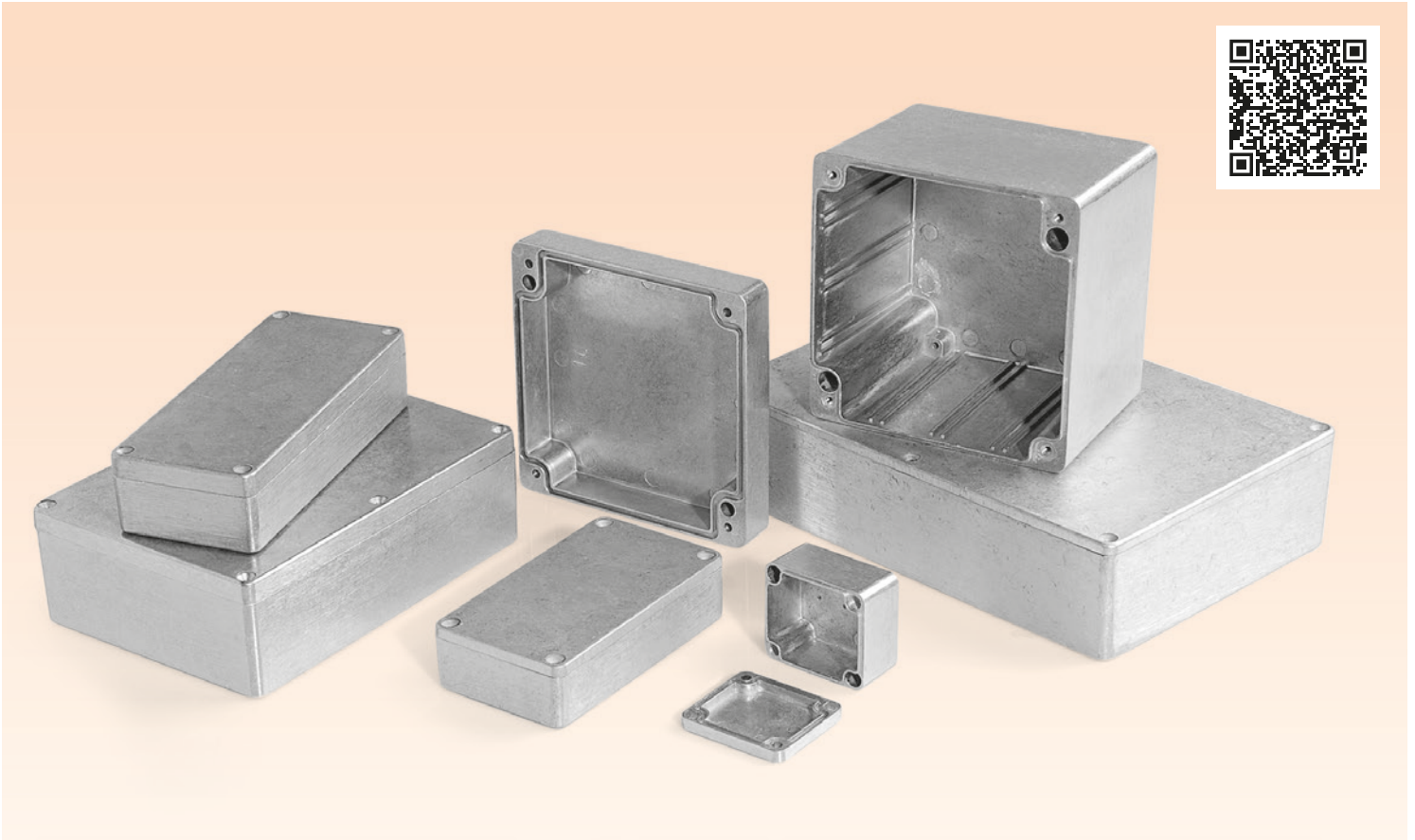


Customization Option



Cable Glands

# IP65 HEAVY DUTY DIECAST ENCLOSURES



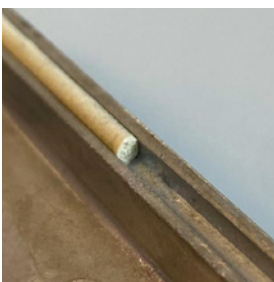
**Color** : Natural Aluminum  
**Protection Class** : IP65

**Material**

- Body : ADC-12
- Lid : ADC-12
- Seal : Neopren

**Features:**

- IP65 water resistant design
- Waterproof design that leaves wall mounting and cap screws outside the seal
- Compliant with RoHS directive
- Natural aluminum color, can be painted upon request



IP67 Seal



Card Rail



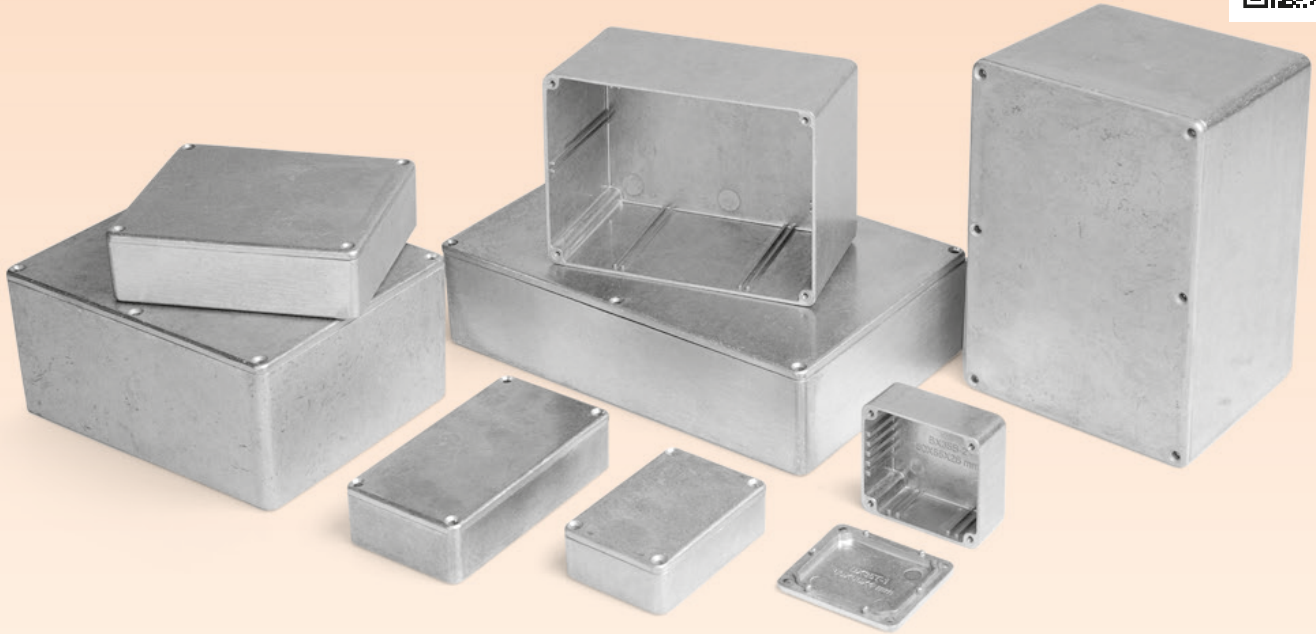
Mounting Bosses



Stainless Steel Screws

Code	Width (A)	Length (B)	Height (C)
SE-301	50	45	30
SE-303	90	36	30
SE-305	64	58	35
SE-307	94	64	34
SE-309	115	65	30
SE-311	115	65	55
SE-313	150	63	36,5
SE-315	125	80	40
SE-317	125	80	57
SE-319	115	90	55
SE-321	121	121	102
SE-323	148	108	75
SE-325	160	100	60
SE-327	160	100	81
SE-329	171	121	55
SE-331	159	159	102
SE-333	222	146	55
SE-335	222	146	82

# LIGHTWEIGHT DIECAST ENCLOSURES



**Color** : Natural Aluminum  
**Protection Class** : IP65 with optional seal

**Material**  
 • Body : ADC-12  
 • Lid : ADC-12  
 • Optional Seal : TPE

- Features:**
- Provides IP65 protection class with optional TPE gasket.
  - Natural aluminum color, can be painted upon request.
  - Comes with 4 M3.5 stainless screws.
  - Compliant with RoHS directive.

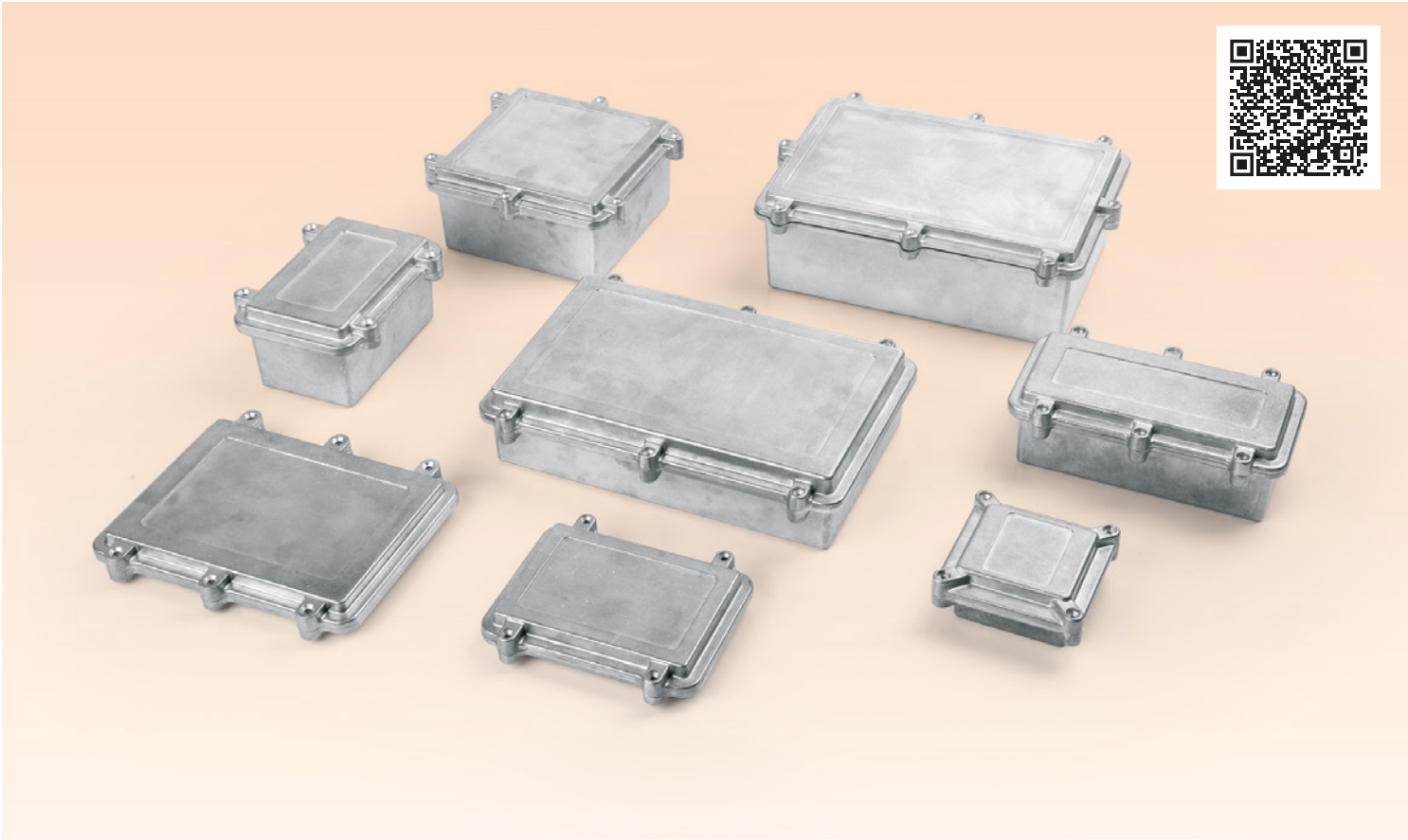


Stainless Steel Screws

Code	Width (A)	Length (B)	Height (C)	IP
SE-401	89	35	30	
SE-401-C	89	35	30	IP65
SE-402	60	55	30	
SE-402-C	60	55	30	IP65
SE-403	80	55	25	
SE-403-C	80	55	25	IP65
SE-404	114	64	30	
SE-404-C	114	64	30	IP65
SE-405	114	64	55	
SE-405-C	114	64	55	IP65
SE-406	114	89	55	
SE-406-C	114	89	55	IP65
SE-407	120	100	35	
SE-407-C	120	100	35	IP65
SE-408	140	100	75	
SE-408-C	140	100	75	IP65
SE-409	171	121	55	
SE-409-C	171	121	55	IP65
SE-410	171	121	106	
SE-410-C	171	121	106	IP65
SE-411	165	127	75	
SE-411-C	165	127	75	IP65
SE-412	222	146	55	
SE-412-C	222	146	55	IP65
SE-413	222	146	106	
SE-413-C	222	146	106	IP65
SE-414	275	175	65	
SE-414-C	275	175	65	IP65
SE-415	250	250	100	
SE-415-C	250	250	100	IP65



# IP67 EMI SHIELDED DIECAST ENCLOSURES



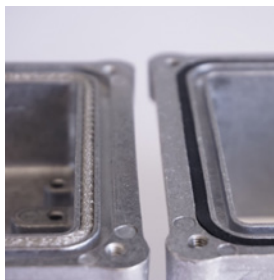
**Color** : Natural Aluminum  
**Protection Class** : IP67

**Material**  
 • Body : ADC-12  
 • Lid : ADC-12  
 • Seal : Silicon

**Features:**  
 • Optional conductive EMI/RFI knitted gasket for EMC  
 • Natural aluminum color, can be painted upon request.  
 • Stainless cover connection screws  
 • Compliant with RoHS directive.



EMI Gasket (Optional)



EMI Gasket

Silicone Gasket



Stainless Steel Screws

Code	Width (A)	Length (B)	Height (C)	Mounting Bosses
SE-510	96	96	45	Available
SE-514	152	112	30	Available
SE-518	96	96	67	Available
SE-522	150	100	50	Available
SE-526	192	96	45	Available
SE-530	200	150	28	Available
SE-534	152	112	55	Available
SE-538	150	100	75	Available
SE-542	192	96	67	Available
SE-546	162	162	55	Available
SE-550	200	150	50	Available
SE-554	202	142	55	Available
SE-558	162	162	80	Available
SE-562	200	150	75	Available
SE-566	202	142	80	Available
SE-570	262	182	55	Available
SE-574	274	173	66	Available
SE-578	262	182	90	Available
SE-582	274	173	100	Available



## IP67 Mini Cases

**Color** : Transparent  
**Protection Class** : IP67

**Material**  
• Body : PC  
• Lid : PC  
• Seal : TPE

**Features:**  
• IP67 water resistant design  
• Suitable for portable memory



Durable PC Material



Internal Protection and Support



Latch Clip



## Industrial Remote Control Enclosures

**Color** : RAL 1003 Yellow  
**Protection Class** : IP67

**Material**  
• Body : ABS  
• Lid : ABS  
• Seal : TPE

**Features:**  
• Concrete pumps, mining, cranes and construction equipment Suitable for control box  
• Suitable neck hanger for hanging around the neck

**Accessories:**  
• VK-24 Neck strap



IP67 Seal



Durable ABS Material



Neck Hanger



PA  
MC 0.3  
D 0.0  
me (min) 46  
Description\*  
Medium viscosity  
In De verified reliable, easy  
maximum moisture content



WA 123M Max:120g d:0.001g

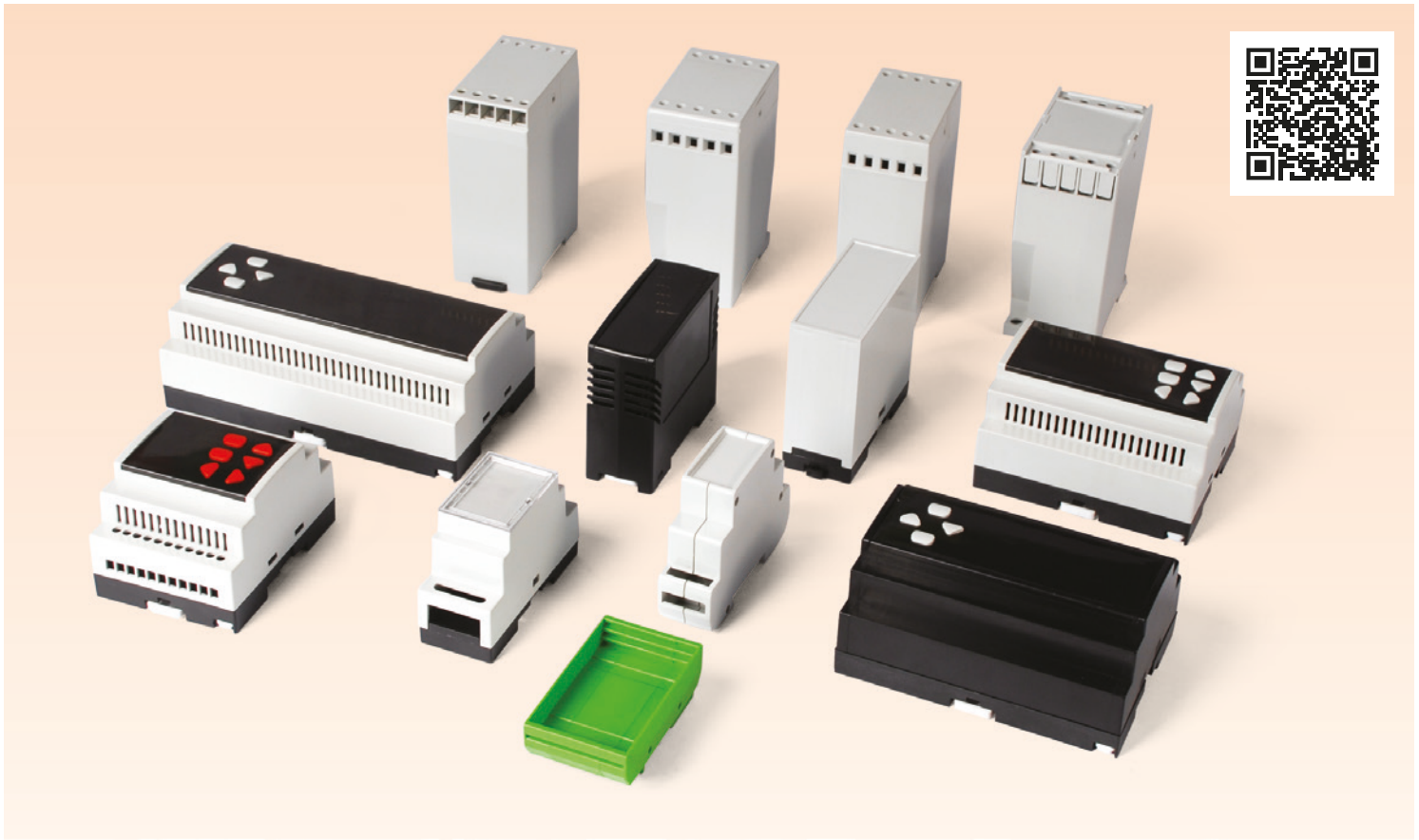
09:15 150K  
27.233g  
22.1°C 15.1%

Go to Menu  
Method Batch  
ABC 0 1 2 3 4 5 6 7 8 9  
+/- % ABC DEF GHI JKL MNO PORS TUV WXYZ  
ID Reset/Exit Tare Start/Stop

OHUS  
WA 123M  
Max:120g  
d:0.001g  
ALM YE SATIM ISLEVIDE  
KULLANILANIZ



# DIN RAIL ENCLOSURES



**Color**  
Light Gray, Black,  
Dark Gray

**Material**

- Body: ABS UL94-V0
- Bottom Lid: PC ABS UL94-V0
- Front Panel: SAN

**Features:**

- 2,3,4,6,7,9 and 12 module capacity options
- Time relays, automation, IOT, test and measurement, Suitable for smart home and KNX applications
- Front panel transparent and smoked option

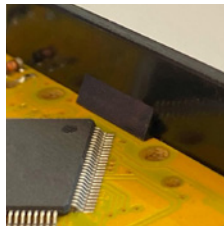
Code	Width (A)	Length (B)	Height (C)
RT-014	90	25	73
RT-072	62	18	16,7
RT-072	76	19,6	11,5
RT-072	76	22,7	19,6
RT-101	25	90	67
RT-102	35	86	59
RT-104	69	86	59
RT-106	105	86	58
RT-106	105	86	58
RT-109	159	87	60
RT-110	50	75	110
RT-115	78	45	110
RT-120	50	75	110
RT-1202	90	61,2	35
RT-125	78	45	110
RT-130	36	86	77
RT-132	36	86	77
RT-140	151	113	71
RT-152	35	102	117
RT-202	35	90	59
RT-203	52,5	90	59
RT-204	70	90	59
RT-206	105	91	58,5
RT-207	126	91	57
RT-209	157,4	91	58,4
RT-212	212	90	59
RT-302	36,7	90,3	60
RT-409	157,5	90	43
RT-504	70	90	45
RT-506	105	91	45
RT-507	126	91	44,7
RT-509	157,4	90,6	44,9



Mounting Ears



Ready Holes



PCB Clamps



Customization Options



Clamps



KNX Option

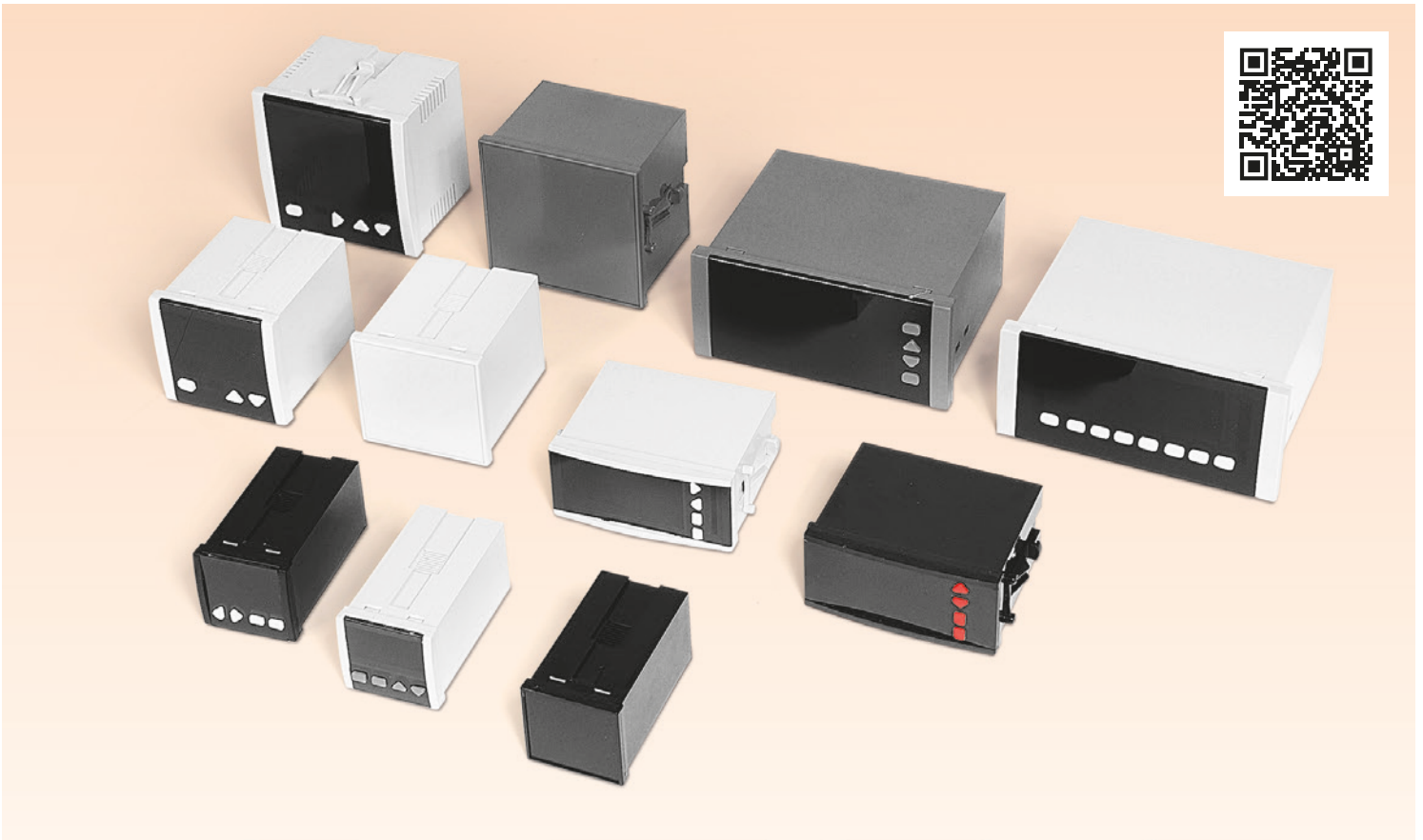


Rail Lock



Button Tray

# DIN PANEL ENCLOSURES



**Color**  
Light Gray, Black, Dark Gray

**Material**  
 • Body : ABS  
 • Frame : ABS  
 • Front Panel : SAN

**Features:**  
 • Suitable for time, temperature and counters  
 • Suitable for analog and digital control panels  
 • Front panel transparent and smoked option

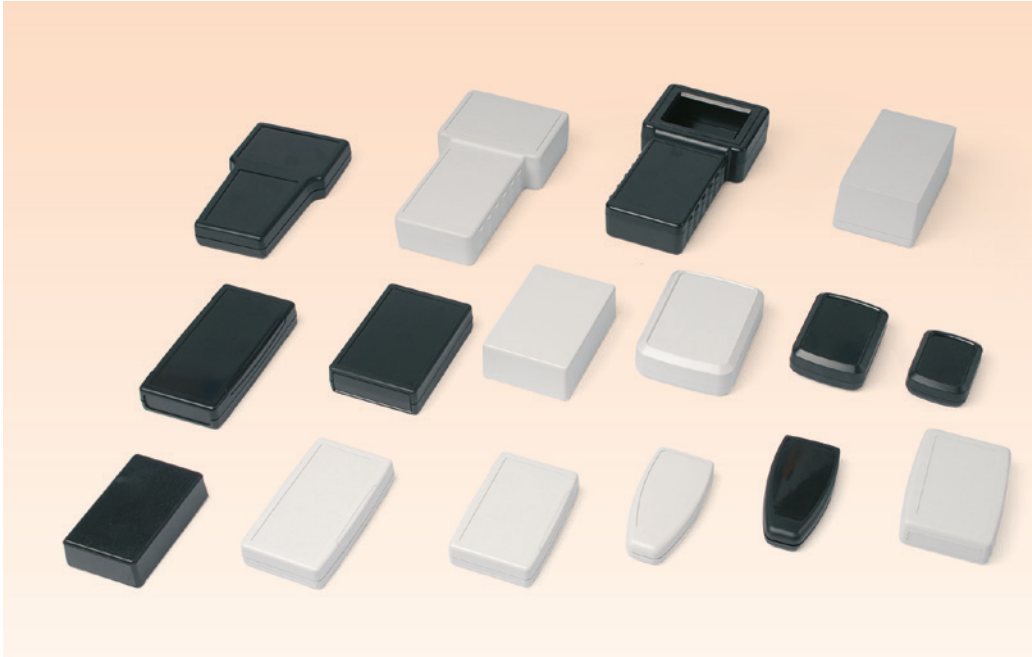


Code	Width (A)	Length (B)	Height (C)
PT-100	32	74	79
PT-100	32	74	79
PT-102	76,5	34,5	70
PT-110	36	63	61
PT-112	37	62	61
PT-115	36	72	50
PT-120	36	72	85
PT-120	36	72	85
PT-125	72	85	36
PT-130	36	72	80
PT-138	48	48	58,5
PT-138	48	48	61,5

Code	Width (A)	Length (B)	Height (C)
PT-140	48	48	82
PT-140	48	48	85
PT-150	48	48	87
PT-160	48	96	110
PT-165	48	96	77
PT-170	72	72	70
PT-180	72	72	70
PT-190	72	72	81
PT-190	72	72	85
PT-200	72	72	100
PT-205	72	144	68
PT-205	72	144	75,8

Code	Width (A)	Length (B)	Height (C)
PT-208	74	141	82,5
PT-210	72	144	108
PT-210	72	144	115
PT-212	72	144	162
PT-220	96	96	72
PT-220	96	96	76
PT-230	96	96	74
PT-240	96	96	75
PT-250	96	96	102
PT-260	96	96	135
PT-270	144	144	85
PT-280	144	144	140

# HANDHELD ENCLOSURES



**Color :** Light Gray, Black, Dark Gray

**Material**

- Body : ABS
- Lid : ABS

**Features:**

- It is compact enough to carry in your hand or pocket
- Suitable for remote control and mobile applications
- We also have some handheld cases that include a battery compartment
- Suitable for data loggers, controllers, network devices, medical equipment, sensor applications and embedded projects



In-box Mounting Boss



Ergonomic Design



Battery Compartment



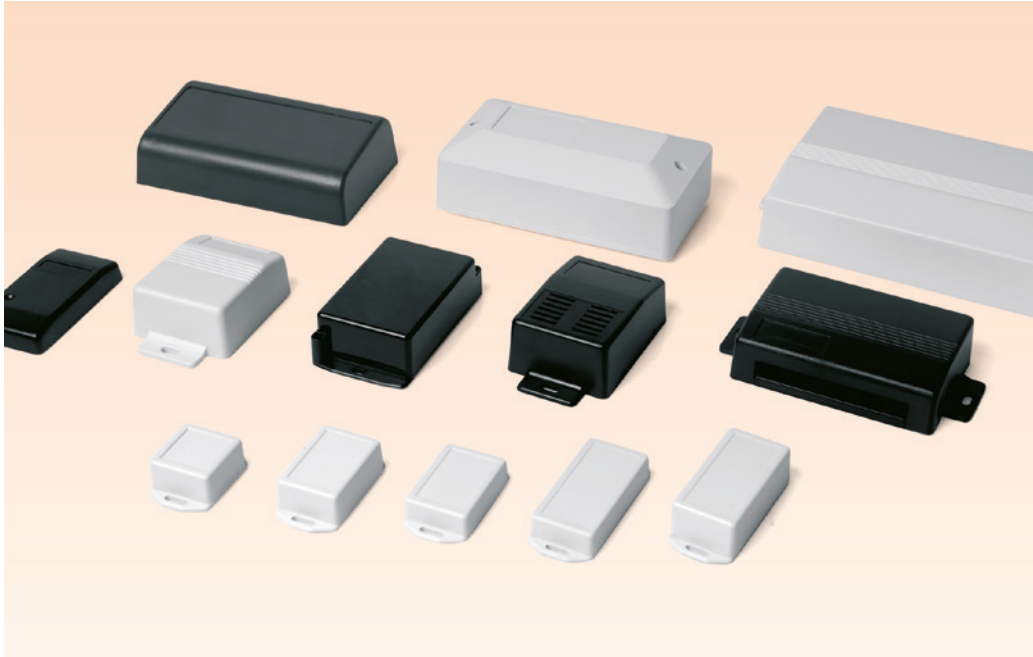
Wall Mount Accessory



Code	Width (A)	Length (B)	Height (C)
HH-014	45	72,5	23
HH-018	85	85	23
HH-019	23	71	8,7
HH-021	50,6	80	19
HH-022	58	95,3	23
HH-023	68,6	110	28
HH-026	100	68	22
HH-028	115	68	22
HH-035	143	76	32
HH-040	175	115	44
HH-042	69,5	50,5	21
HH-044	88,5	63	27,5
HH-045	95	62	22
HH-046	115	83	32
HH-047	116,5	104,5	32
HH-048	114	82,5	37
HH-049	170	130	25
HH-050	72	104	26
HH-052	75	105	26,4
HH-054	84,1	65,1	23
HH-055	76	112	26
HH-058	70	135	24

Code	Width (A)	Length (B)	Height (C)
HH-059	133,5	70	24
HH-060	75	110	36
HH-062	75	110	36
HH-066	100	50	18
HH-068	142	65	28
HH-070	76	136	50
HH-086	172	72	25
HH-087	181,5	65	27,6
HH-088	172	77	28
HH-092	225	115	91
HH-095	105	201	401
HH-096	94	160	25
HH-097	160	94	25
HH-098	160	94	25
HH-1010	100	100	25
HH-1510	150	100	31
HH-1515	150	150	31
HH-2043	140	100	32,4
HH-2057	190	150	32
HH-2070	221,7	161,5	32,4
HH-2084	278,5	205,5	32
HH-2110	321,5	232	32
HH-2410	235	195	45

# WALL MOUNT ENCLOSURES



**Color :** Light Grey, Black, Dark Gray

**Material**

- Body : ABS
- Lid : ABS

**Features:**

- Suitable for your control panels, sensor systems and network equipment systems
- Thanks to their ability to be mounted directly on the wall, they save space and offer a practical solution for areas where space is limited.
- We also have some wall mounted boxes that include a battery compartment



Mounting Ears

Sticker Pool

In-box Mounting Boss

Battery Compartment Option



Code	Width (A)	Length (B)	Height (C)
DM-010	86	155	49
DM-011	35	70	33,3
DM-020	58	106	31
DM-021	72	19	20
DM-021	72	19	20
DM-022	122	60	34
DM-025	102,7	48,2	22
DM-026	150	42,4	27,5
DM-027	102,8	82,7	23
DM-028	121	46	22
DM-032	61	86	32
DM-040	116	60	19
DM-042	90	74	22,5

Code	Width (A)	Length (B)	Height (C)
DM-044	138	63,5	31
DM-045	109	76	39
DM-046	125,5	116	33
DM-047	104,4	101,7	33,5
DM-048	110	76	27
DM-049	150	130	27
DM-050	116	96	65
DM-060	170	120	30
DM-080	145	85	39
DM-090	185	89	58
DM-100	191	120	65
DM-8080	80	80	16
HH-030	61	75	33

# POCKET SIZE ENCLOSURES



**Color** : Light Grey, Black, Dark Gray

**Material**  
 • Body : ABS  
 • Lid : ABS

**Features:**

- These boxes fit easily into your pocket and are ideal for mobile projects.
- The battery slots in some of our models offer a very suitable solution for systems with changing batteries.
- Pocket Size Boxes offer portable yet highly functional solutions with wide customization and application options.



Mounting Bosses



Customization Options



Sticker Pool

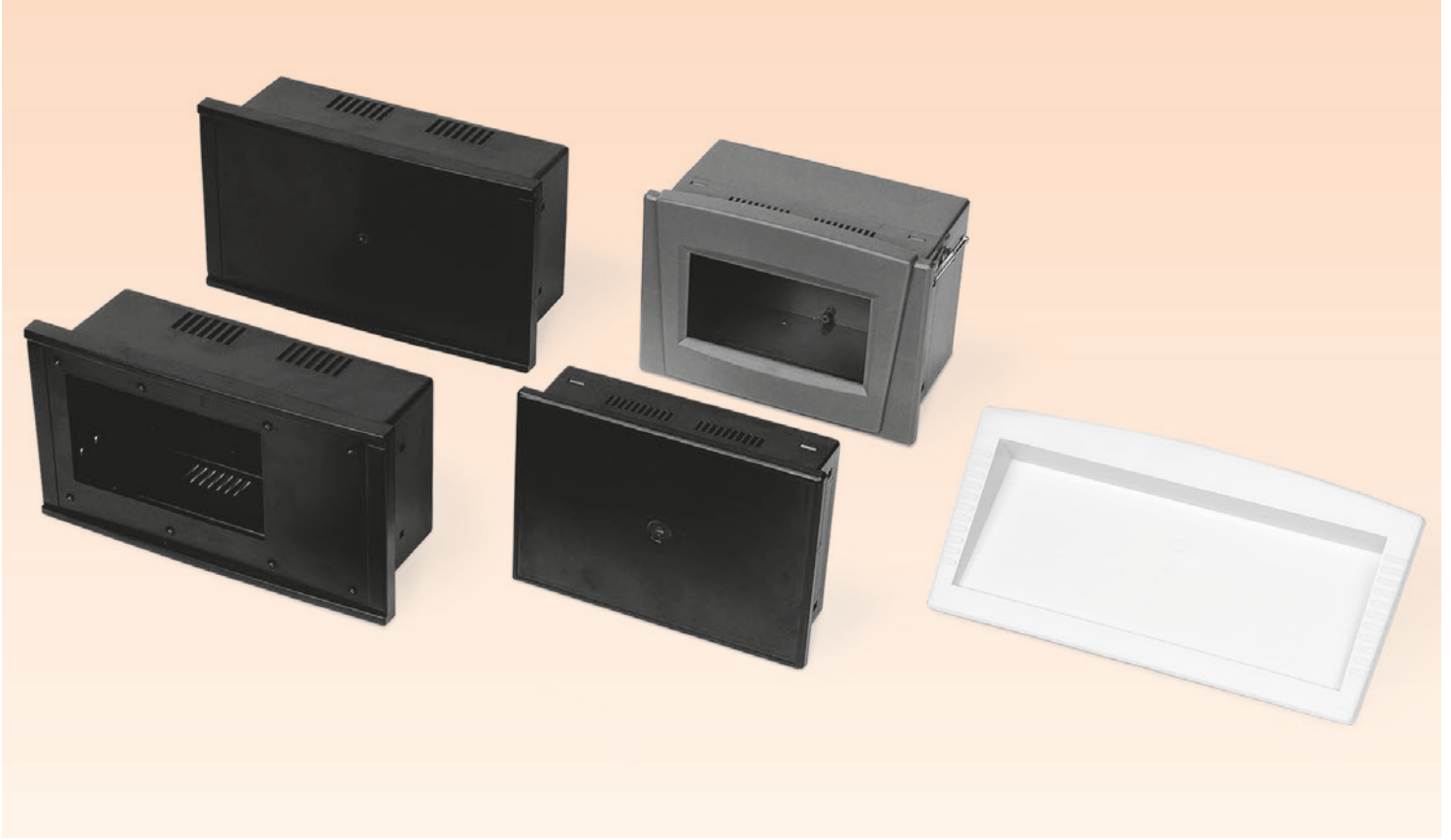


Code	Width (A)	Length (B)	Height (C)
DM-002	35	35	20,3
DM-003	35	65	15,3
DM-004	35	65	20,3
DM-005	50	67,5	15
DM-006	35	65	24
DM-008	35	85	15,3
DM-009	35	85	23,3
DM-013	87,5	45	15,3
DM-014	87,5	45	23,3
DM-024	44	84	15
HH-002	35	35	20
HH-003	50	35	15
HH-004	50	35	20

Code	Width (A)	Length (B)	Height (C)
HH-005	50	50	15
HH-006	50	35	24
HH-008	30	70	15
HH-009	35	70	23
HH-010	66	41	16
HH-012	54	84	32
HH-013	45	72,5	15
HH-020	58	92	27
RC-010	57,5	35,2	12,7
RC-020	55,6	35,3	13
RC-030	52,8	37	14,6
RC-040	50	36	14



# OPERATOR PANEL ENCLOSURES



**Color :** Light Grey, Black, Dark Gray

**Material**

- Body : ABS
- Lid : ABS

**Features:**

- Control units used in industrial machines and systems
- With the screen slot option, your different visual interface needs are easily met
- Special inserts and mounting rails are available for displays or PCBs
- Thanks to the screws on the side surfaces, it can be easily mounted on flat surfaces.
- Ventilation slots ensure electronic components operate at an optimal temperature



Ventilation Slots



Card Rails

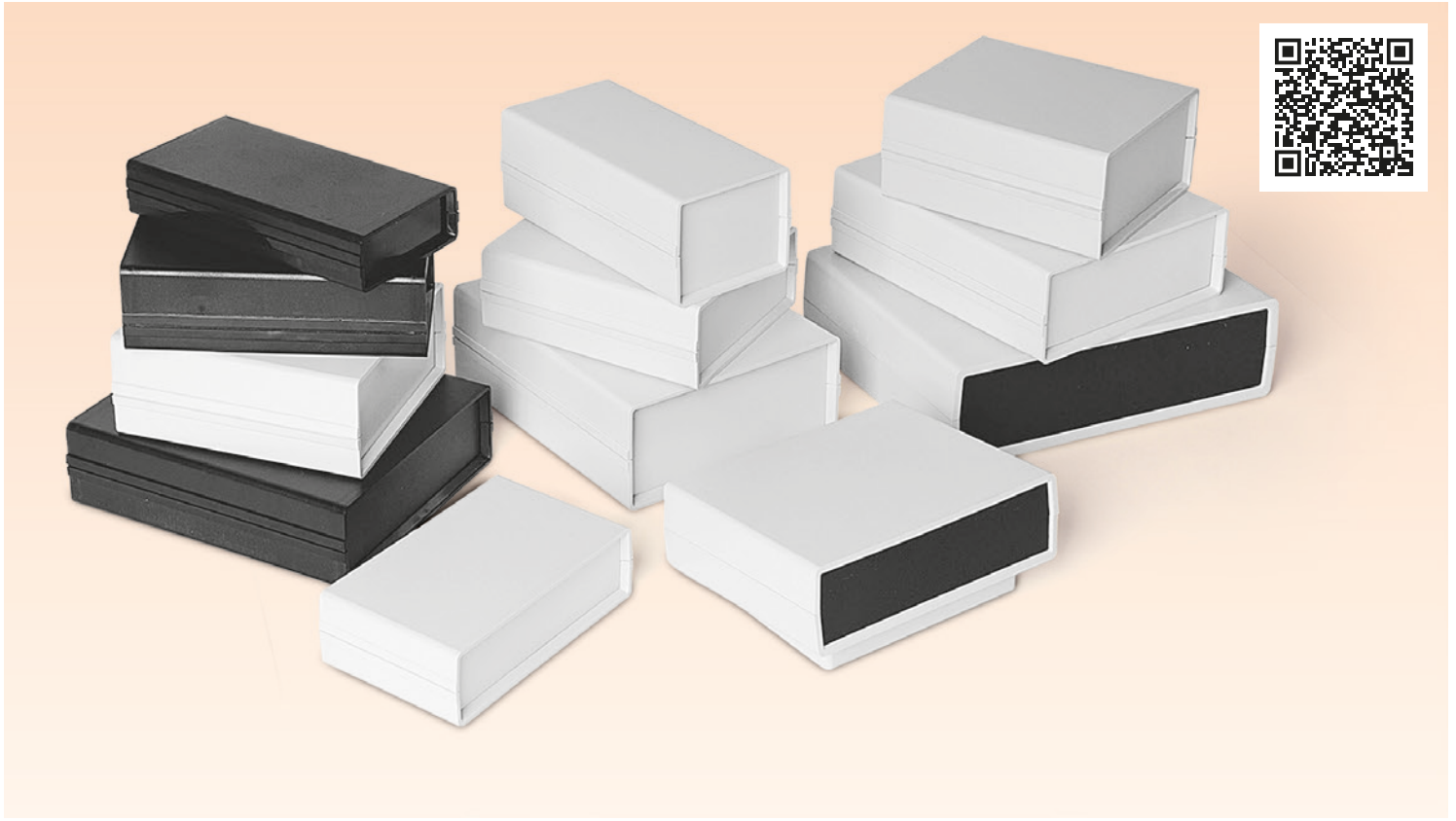


Panel Mounting Set



Code	Width (A)	Length (B)	Height (C)
OP-100	233	130	83
OP-300	180	130	50
OP-310	180	130	89
OP-358	209,6	146,5	46,5
OP-360	209,6	146,5	65,7
OP-361	209,6	146,5	71
OP-362	209,6	146,5	92,7
PT-340	255	118	23

# PLASTIC PROJECT ENCLOSURES



**Color**  
Light Grey, Black

**Material**  
• Body : ABS  
• Lid : ABS

- Features:**
- Card rails and mounting feet greatly simplify your in-box mounting operations
  - Optional wall mounting ears
  - Special angled mounting bracket for DT-210 and DT-220



Easy assembling

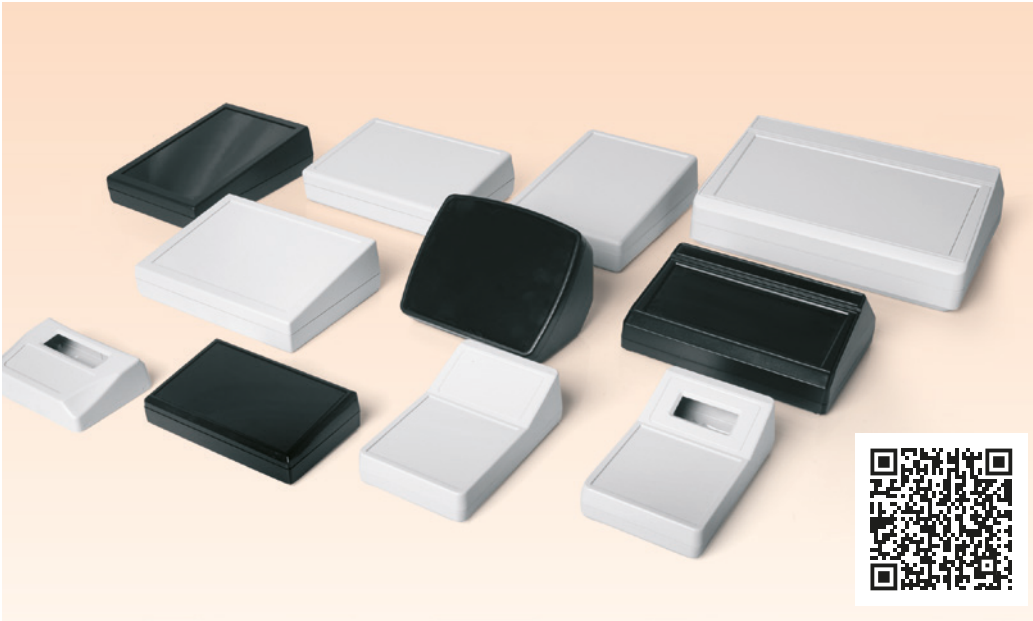


Mounting Ears

Code	Width (A)	Length (B)	Height (C)	Mounting Ears
PR-040	54	83	30	
PR-040-A	54	83	30	Available
PR-080	60	106	45	
PR-080-A	60	106	45	Available
PR-120	68	130	44	
PR-120-A	68	130	44	Available
PR-224	96	158	53	
PR-224-A	96	158	53	Available
PR-230	107	167	65	
PR-240	113	197,4	63	
PR-240-A	113	197,4	63	Available

NEW

Code	Width (A)	Length (B)	Height (C)	Mounting Screws
HH-8080	85	155	30	4 Pieces
HH-8082	85	155	45	4 Pieces
HH-8282	85	155	60	4 Pieces
DT-085	145	85	38	2 Pieces
DT-0505	130	138	48	2 Pieces
DT-0508	130	138	54	2 Pieces
DT-0808	130	138	61	2 Pieces
DT-0909	126	137	82	2 Pieces
DT-1010	154	174	47	4 Pieces
DT-1020	154	174	54	4 Pieces
DT-2020	154	174	61	4 Pieces
DT-210	166	120	45	4 Pieces
DT-210-A	166	120	45	4 Pieces
DT-220	226	166	60	4 Pieces
DT-220-A	226	166	60	4 Pieces



## Sloped Desktop Enclosures

Color : Light Grey, Black

### Material

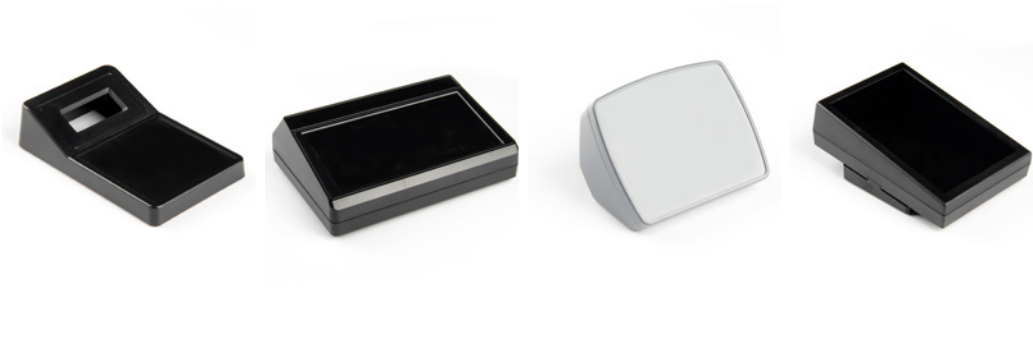
- Body : ABS
- Lid : ABS

### Features:

- Can also be used in medical devices, audio video control systems and automation
- Features a curved front panel that provides easy access to controls and buttons while providing a unique and modern look



Code	Width (A)	Length (B)	Height (C)
DT-065	120	80	31
DT-080	148	87	38
DT-090	150	95	49,5
DT-100	190	137	59
DT-110	137	190	59
DT-120	133	188	55
DT-130	188	133	55
DT-135	270	200	71
DT-140	150	125	72
DT-252	394	174	52
DT-255	188	133	62
DT-260	273	200	90



## Adapter Enclosures

Color : Light Grey, Black

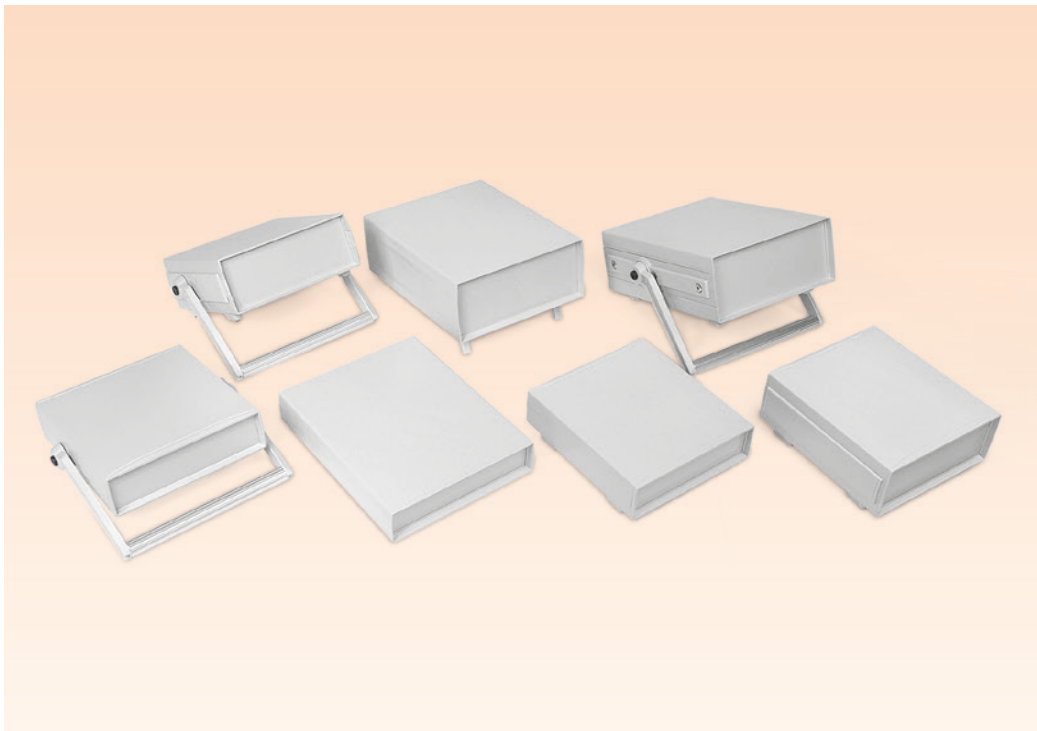
### Material

- Body : ABS UL94-V0
- Lid : ABS UL94-V0

### Features:

- Suitable for a variety of applications including IoT devices, control units, measuring equipment and sensors
- Grounded, groundless and plug socket model





## Plastic Laboratory Enclosures

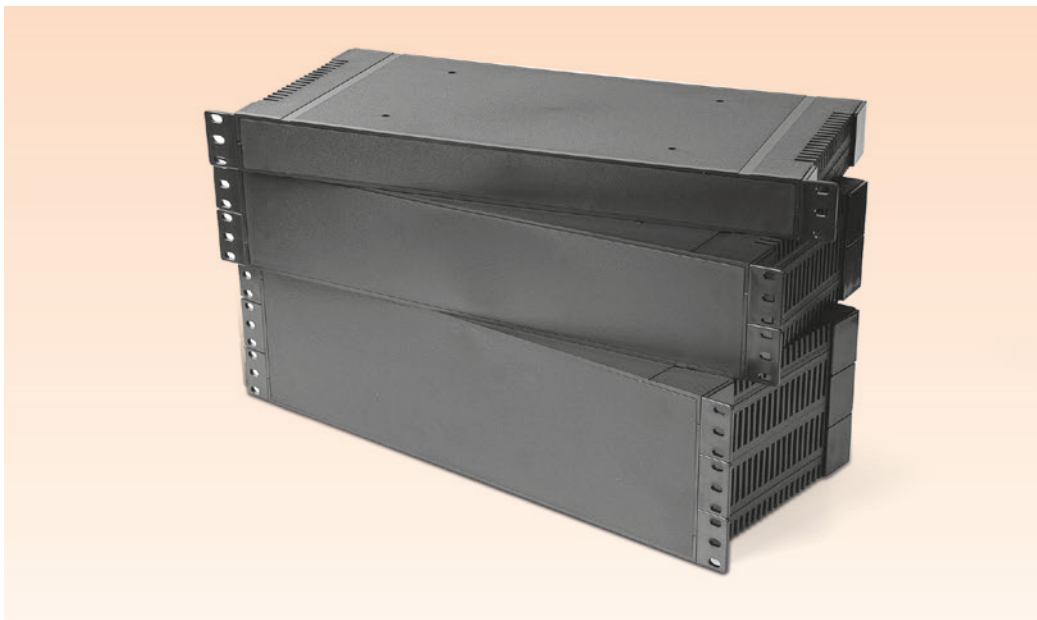
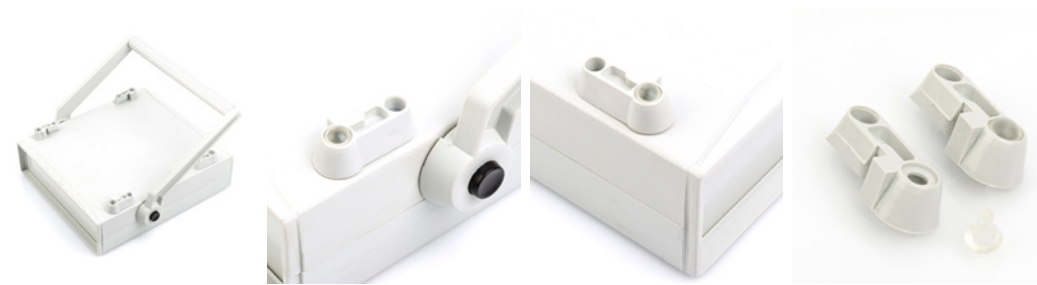
Color : Light Grey

### Material

- Body : ABS
- Lid : ABS
- Panel : ABS

### Features:

- Suitable for automation, control systems and medical fields



## 19" Rack Plastic Enclosures

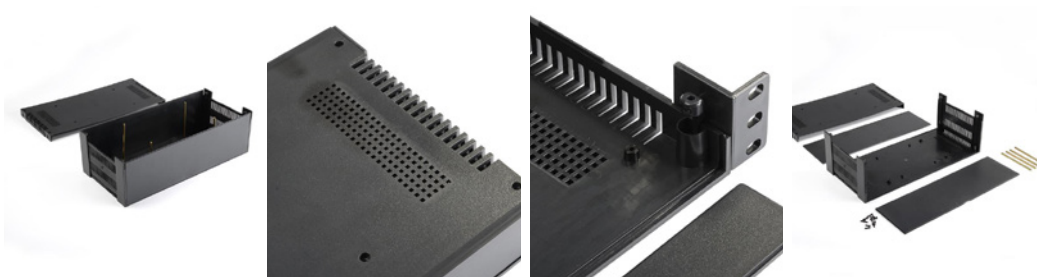
Color : Black

### Material

- Body : ABS UL94-V0
- Lid : ABS UL94-V0

### Features:

- Suitable for rack cabinets where servers are mounted
- Manufactured in 1U / 2U / 3U standards
- Model option with or without mounting ears





## Plastic Cases

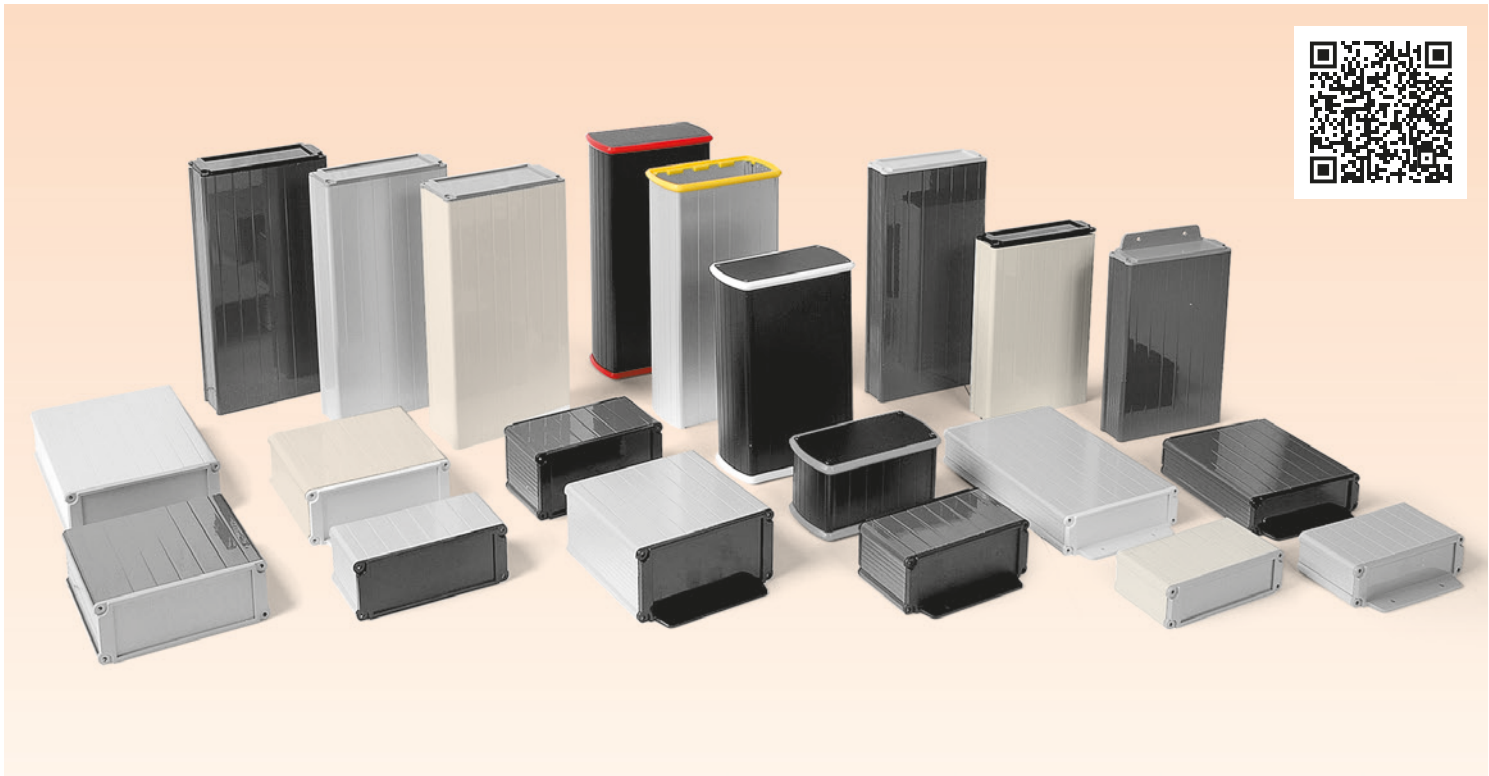
**Color**  
Red, Black, Blue

**Material**  
• Body : PP  
• Kilit : ABS  
• Pim : POM

**Features:**  
• It is a great solution as a carrying bag  
• Perforated sponge inside is optional



# ALUMINUM PROFILE ENCLOSURES



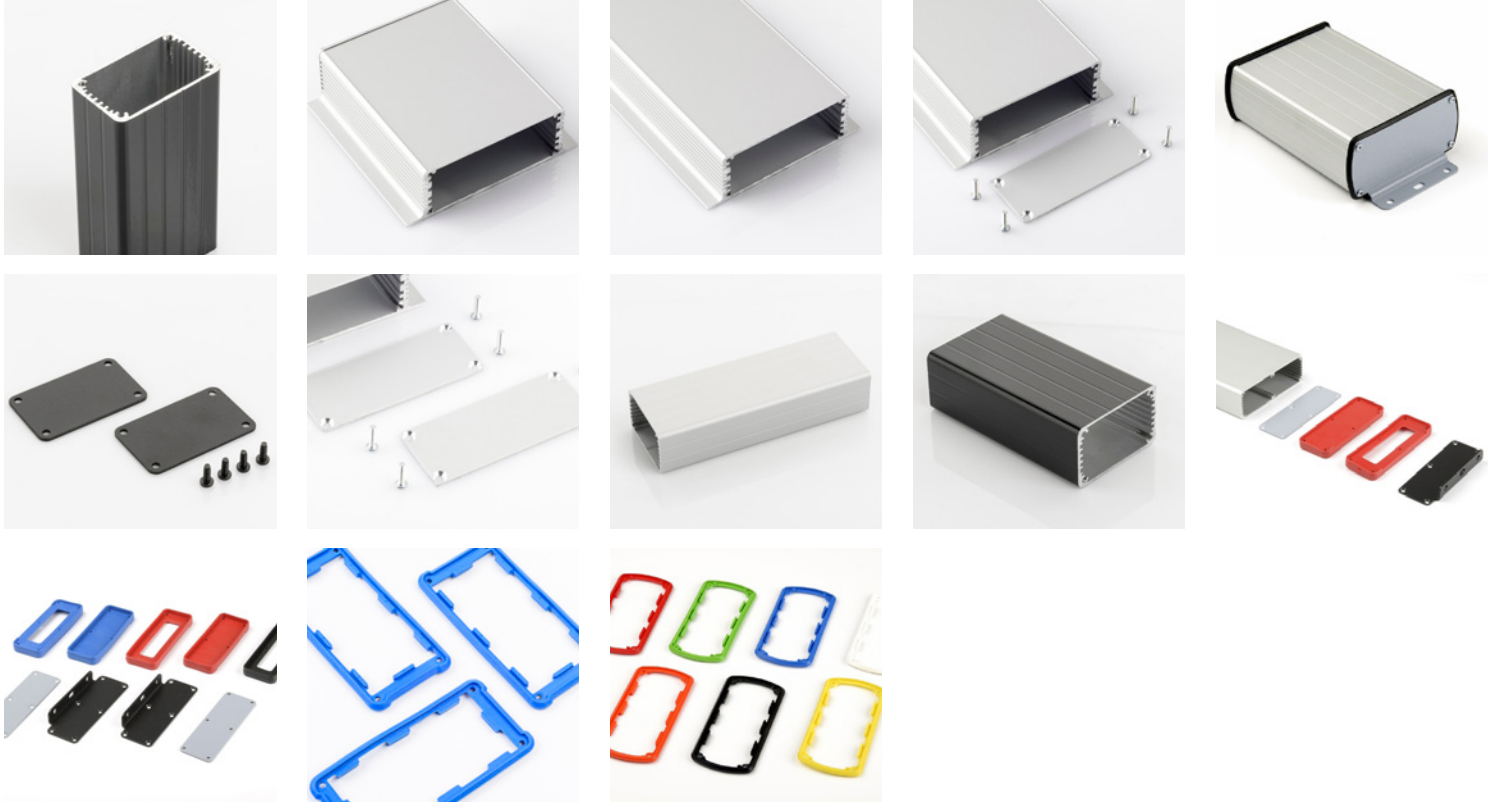
**Color**  
Natural, Black, Cream, Graphite Gray, Silver Gray

**Material**

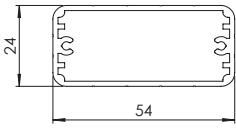
- Body : 6063 Aluminum
- Aluminum Lid : 1,5mm Aluminum
- Plastic Lid : ABS
- Seal : TPE

**Features:**

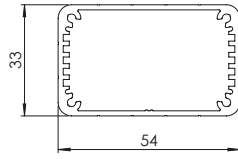
- Variable length between 40 mm and 3 m
- Options with or without mounting ears on the covers
- Various gasket color options
- Electrostatic glossy paint and matte anodized coating option



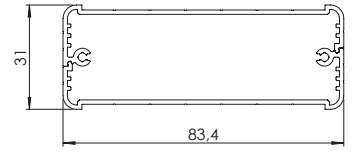
# Technical Drawings



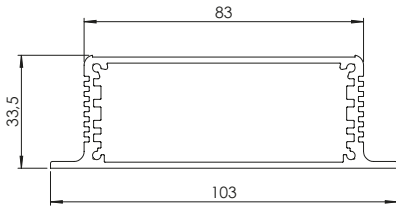
AL-052



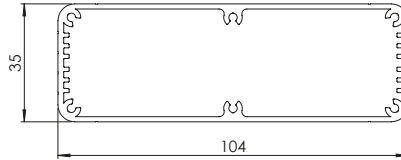
AL-053



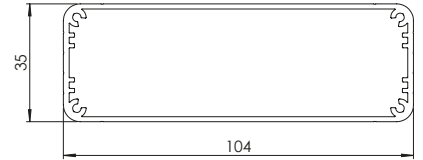
AL-083



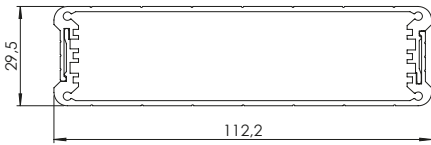
AL-084



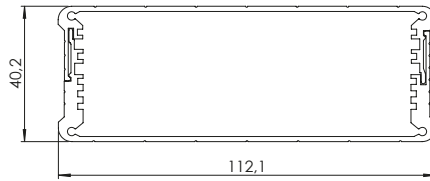
AL-103



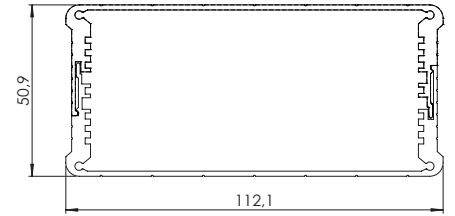
AL-104



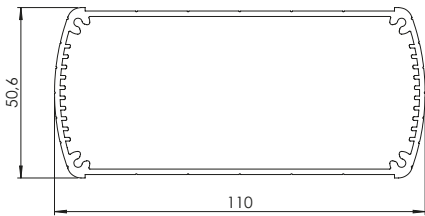
AL-113



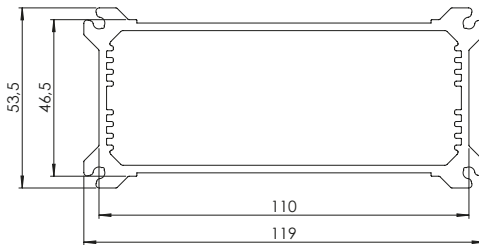
AL-114



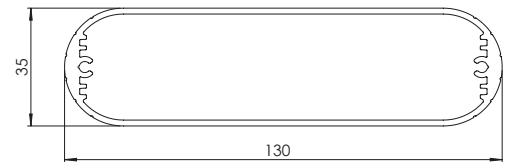
AL-115



AL-105

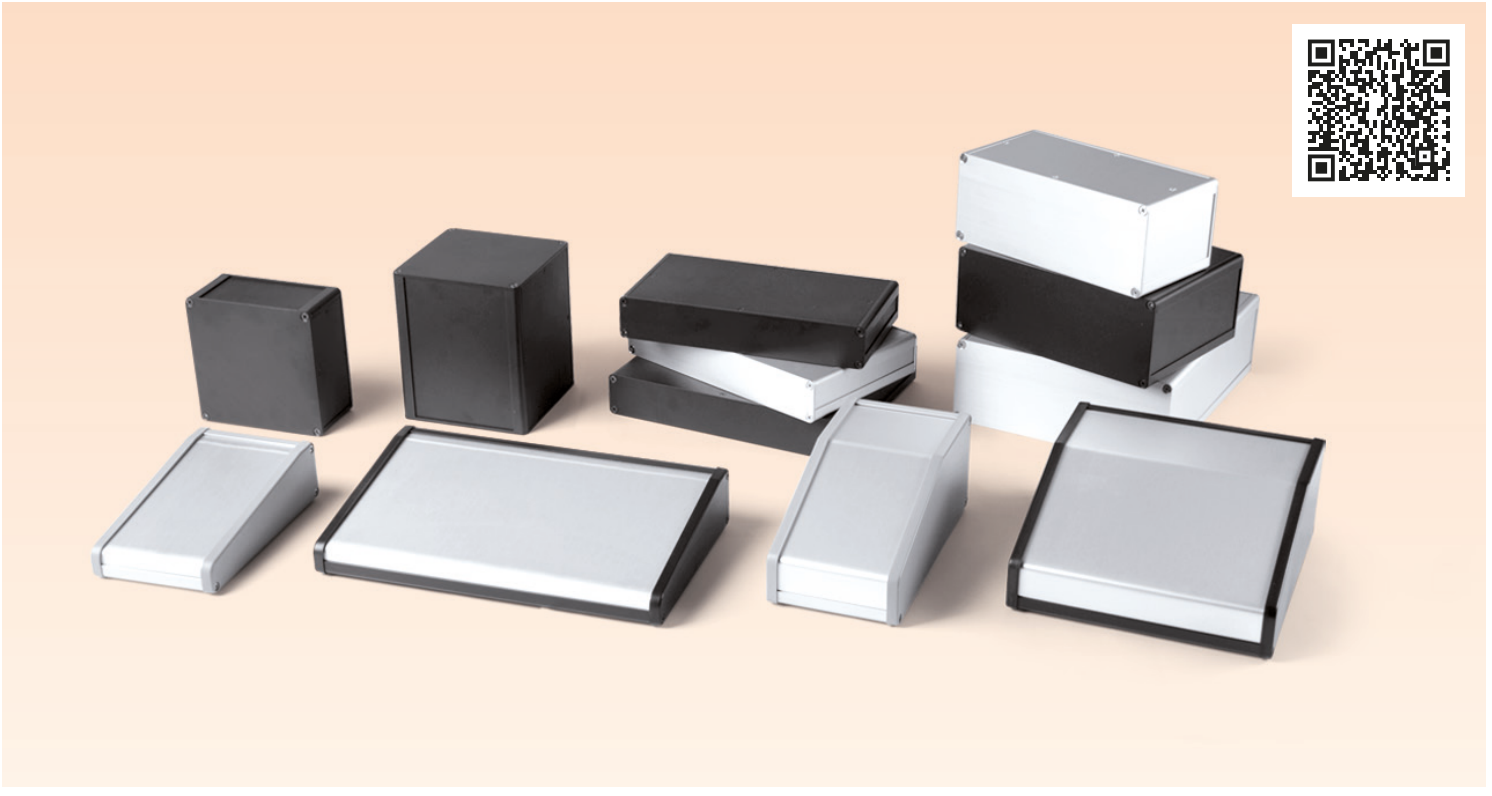


AL-125



AL-130-35

# MODULAR METAL ENCLOSURES



**Color**  
Natural, Black

**Features:**  
• For audio-video systems, amplifiers, test and measurement, control panels, battery and relay control, and various applications.

## MM-195 ve MM-239

**Material**  
Material : Aluminum - ABS Plastic

- Black**
- Black ABS Side Panels
  - Electrostatic Powder Coated Aluminium Profiles
  - 1.5 mm Black Electrostatic Powder Coated Alu. Sheet Bottom and Back Panels
  - 1.5 mm Natural Anodized Alu. Sheet Top Panels

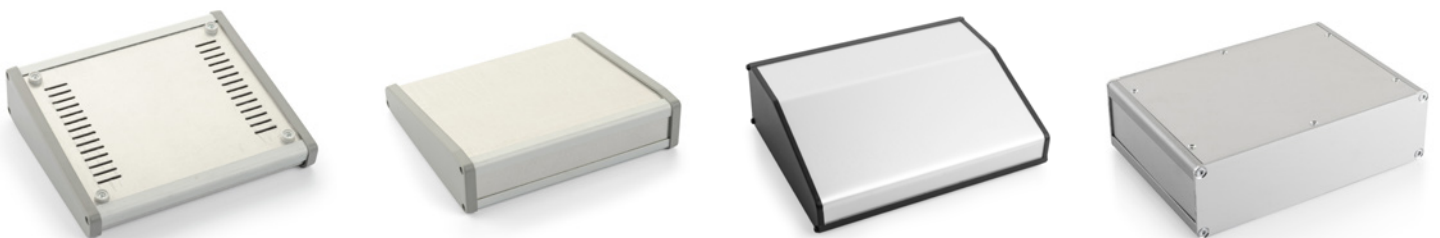
- Natural**
- RAL 7035 Light Gray ABS Side Panels
  - Natural Anodized Aluminium Profiles
  - 1.5 mm Natural Anodized Alu. Sheet Bottom and Top Panels

## MM-135, MM-226, MM-228, MM-255

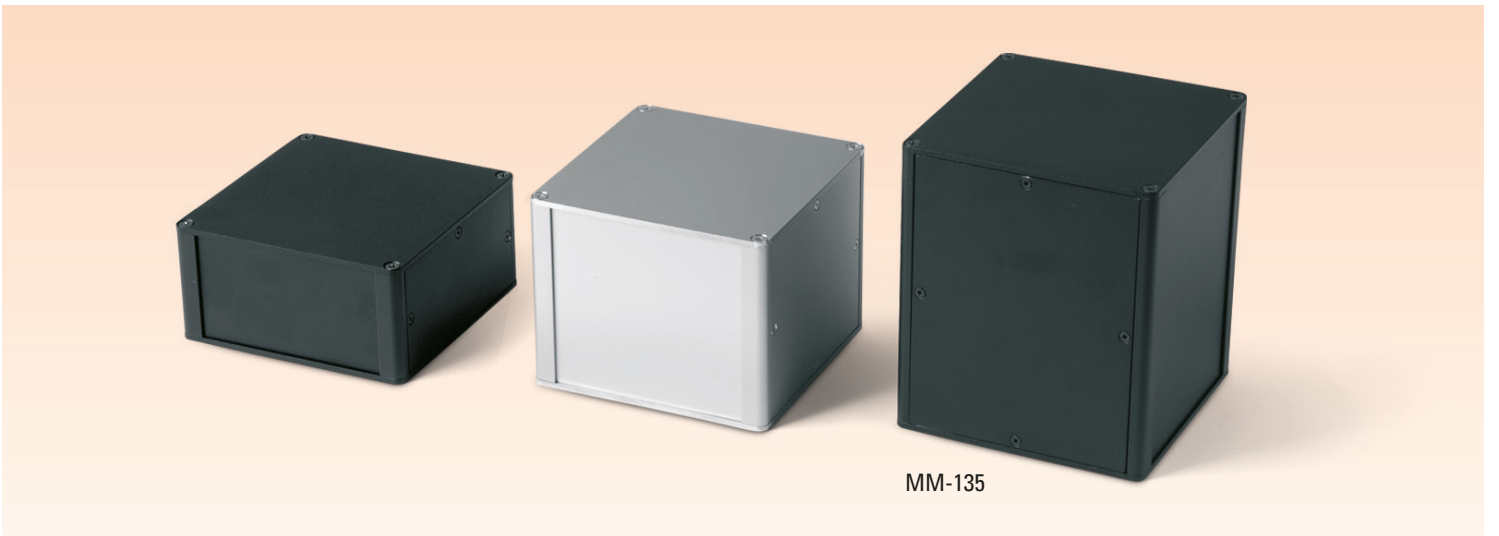
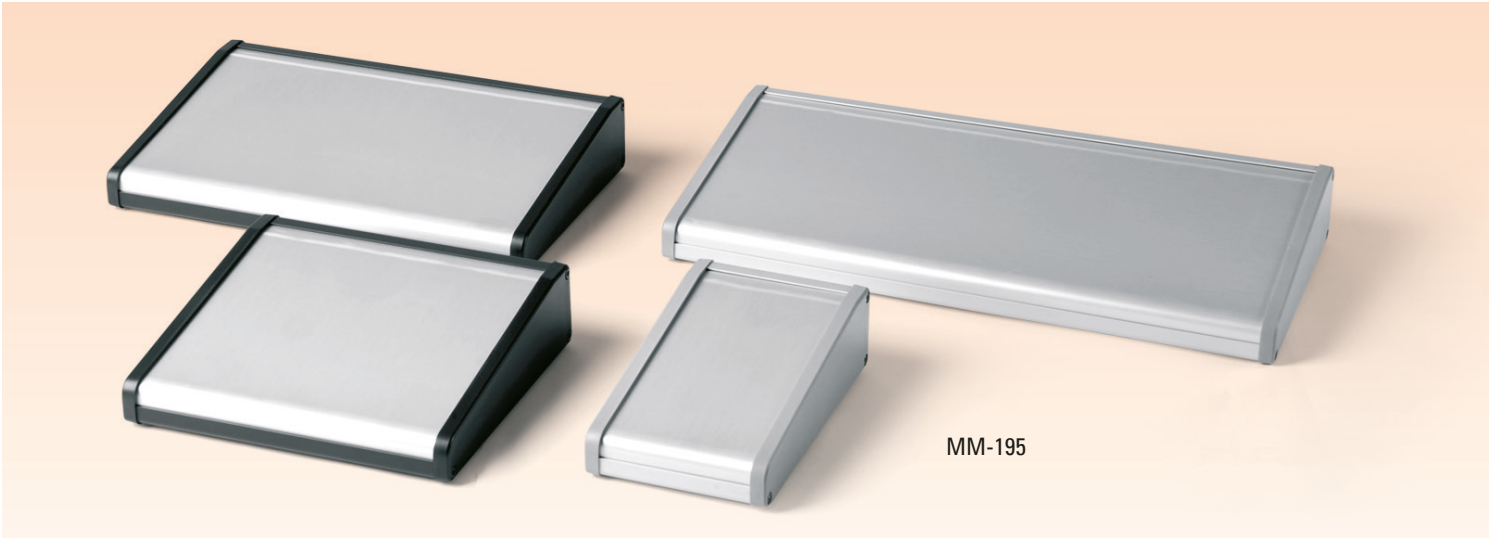
**Material**  
Material : Aluminum

- Black**
- Black Electrostatic Powder Coated Aluminium Profiles
  - 3 mm Black Electrostatic Powder Coated Alu. Sheet Bottom and Top Panels
  - 1.5 mm Black Electrostatic Powder Coated Alu. Sheet Side Panels

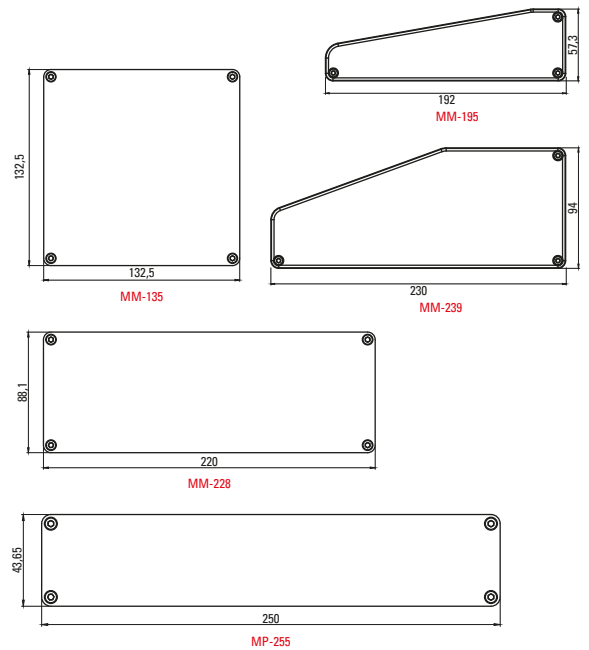
- Natural**
- Natural Anodized Aluminium Profiles
  - 3 mm Natural Anodized Alu. Sheet Bottom and Top Panels
  - 1.5 mm Natural Anodized Alu. Sheet Side Panels



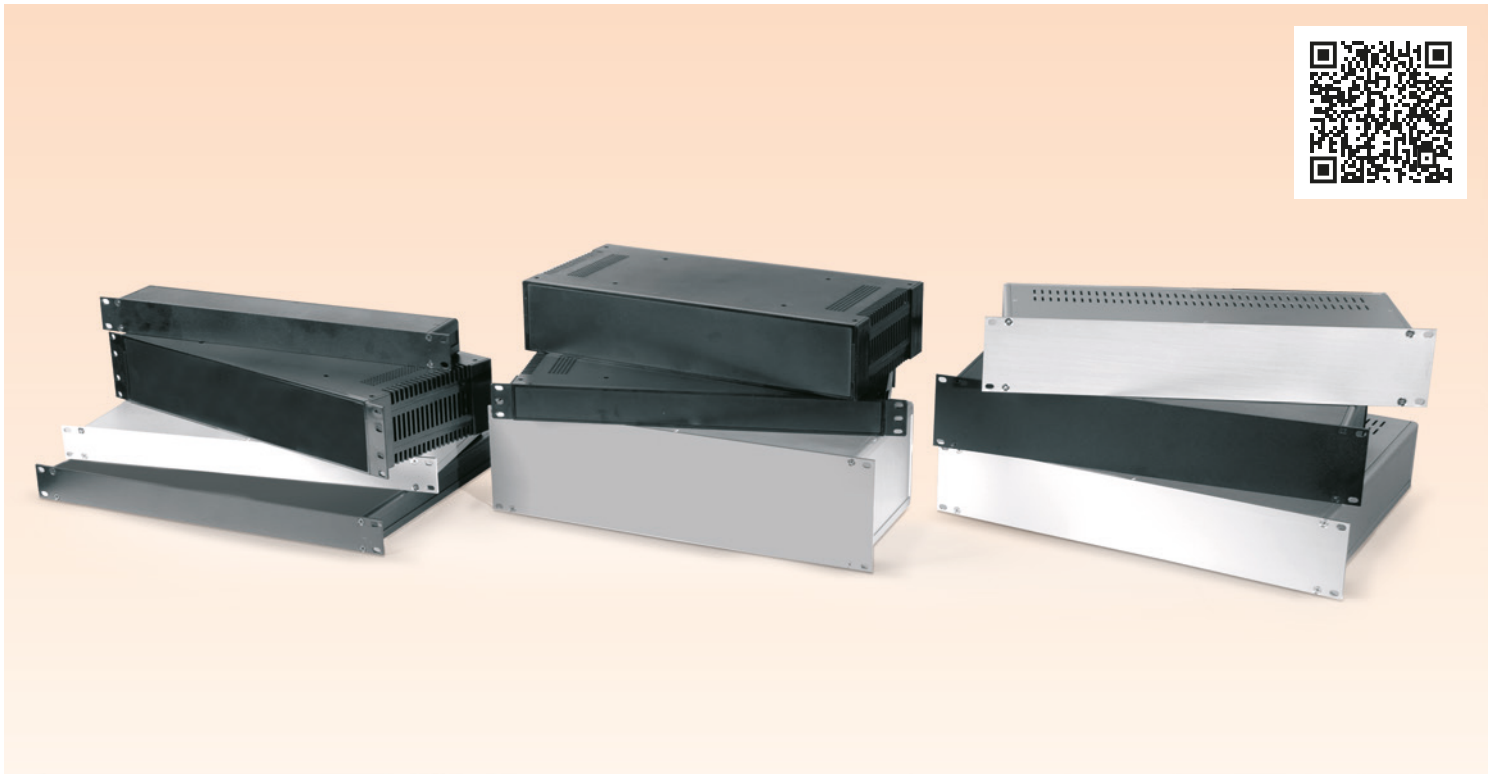




Code	Width (A)	Height (C)	Length (B)
MM-195	192	100-150-200-300-400	57
MM-239	230	100-150-200-300-400	94
MM-135	132,5	60-100-150-200	132,5
MM-226	220	100-150-200-250	65,9
MM-228	220	100-150-200-250	88,1
MM-255	250	120-150-200-250	43,65



# 19" RACK ALUMINIUM ENCLOSURES



## Color

Natural Anodized, Black

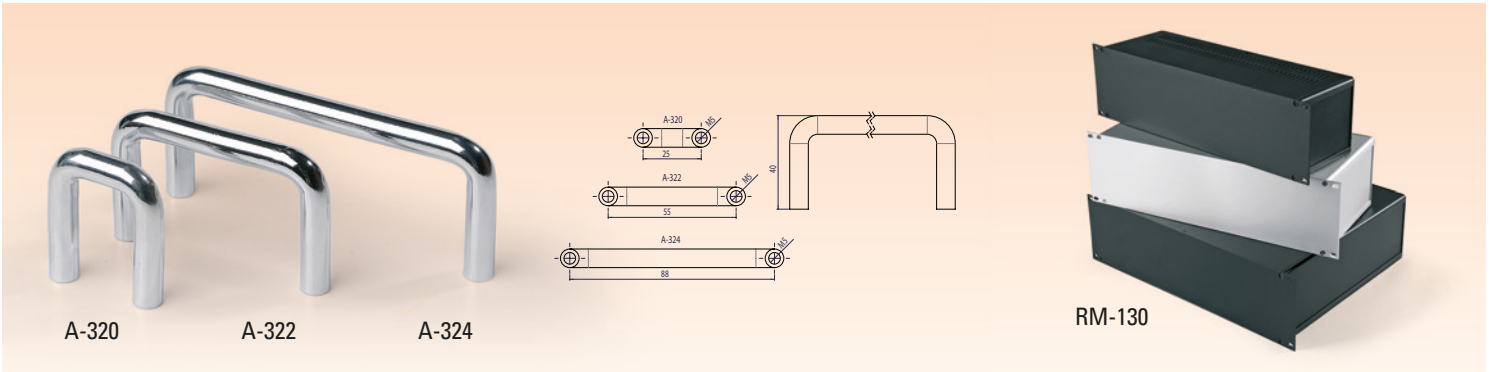
## Material

- Side Panel : 6063 Aluminum
- Front / Back Panels : 3 mm Aluminum
- Bottom / Top Panel : 1,5 mm Aluminum

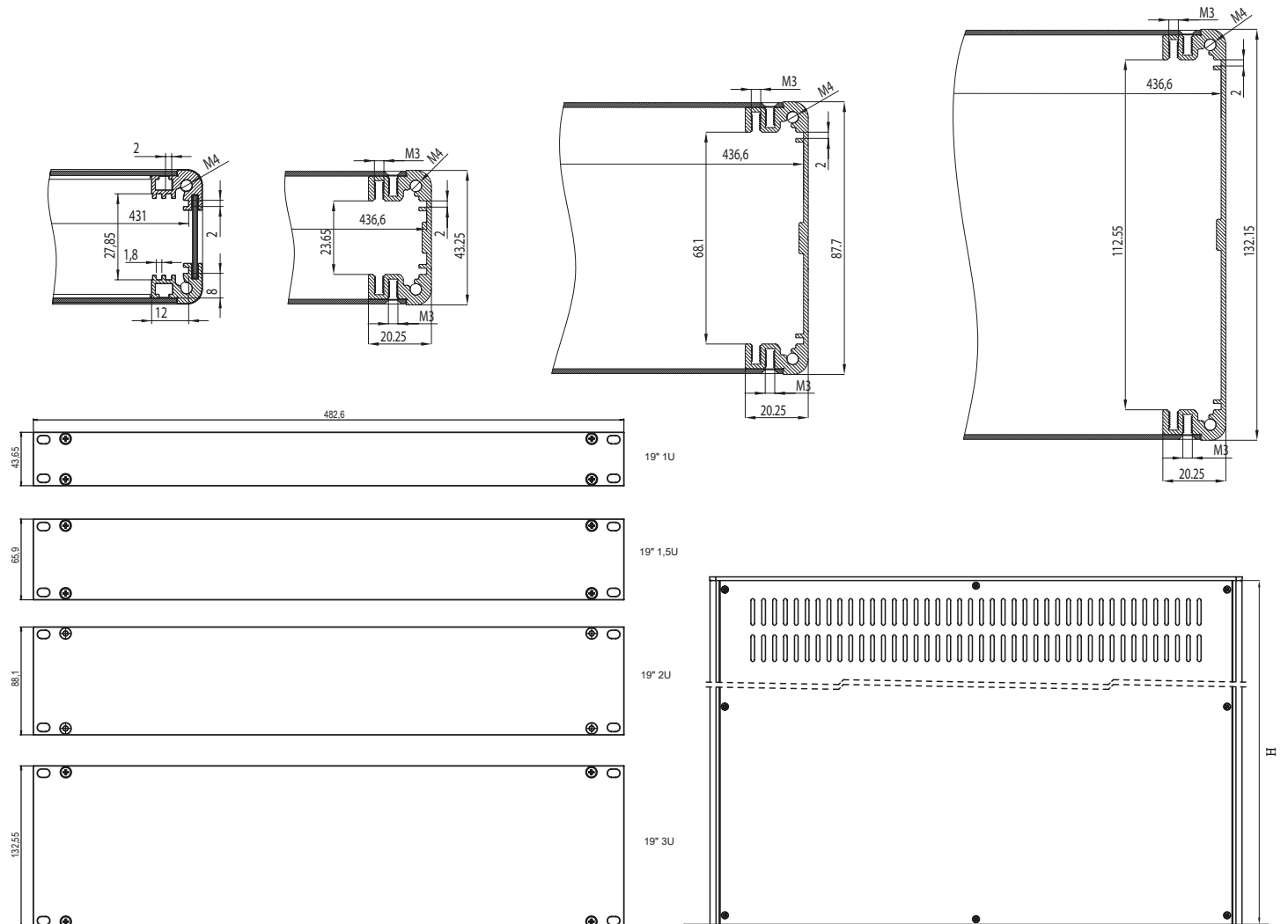
## Features:

- For audio and video systems, IT servers, test, control and measurement systems
- Manufactured for use in rack cabinets
- Manufactured in 1U, 1.5U, 2U, and 3U standards

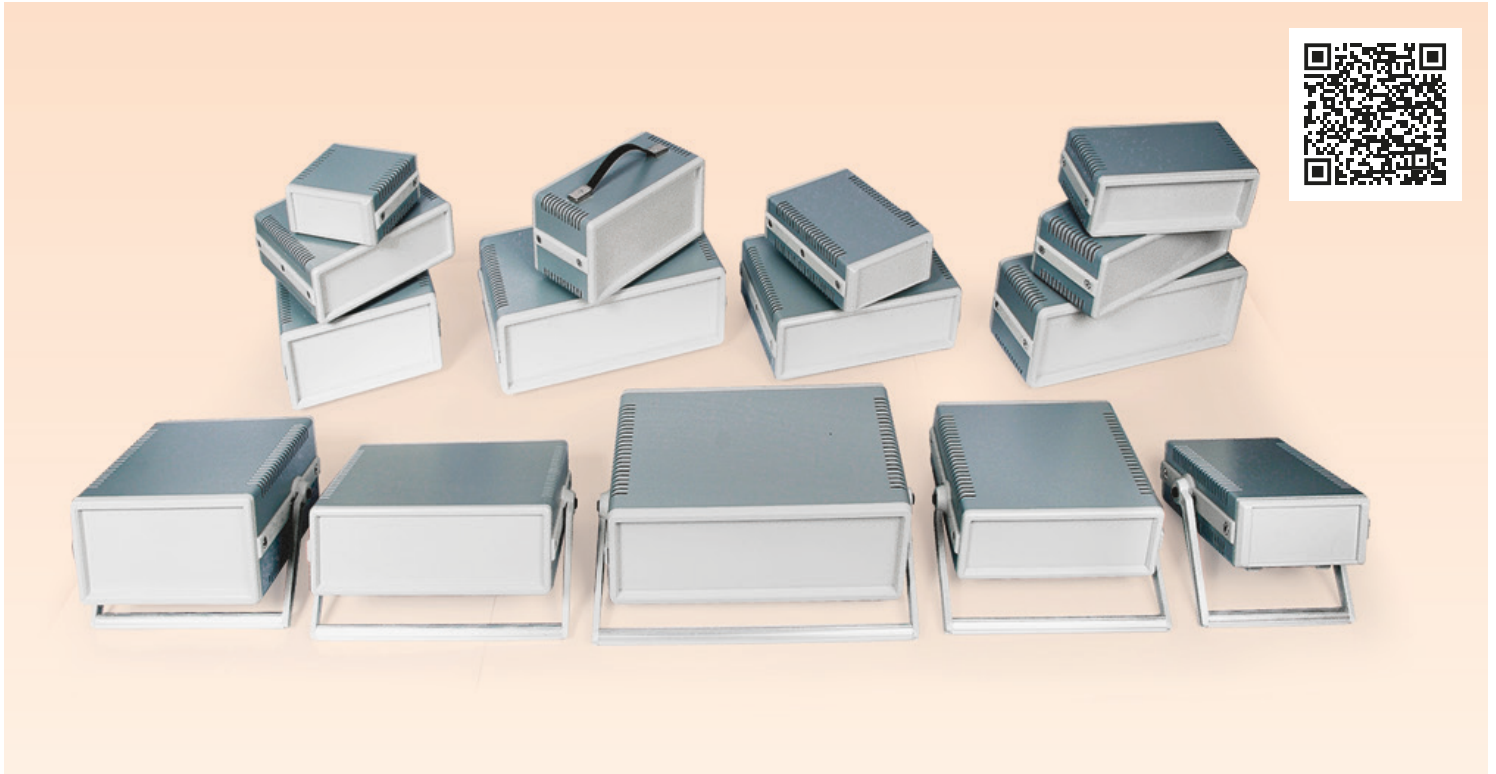




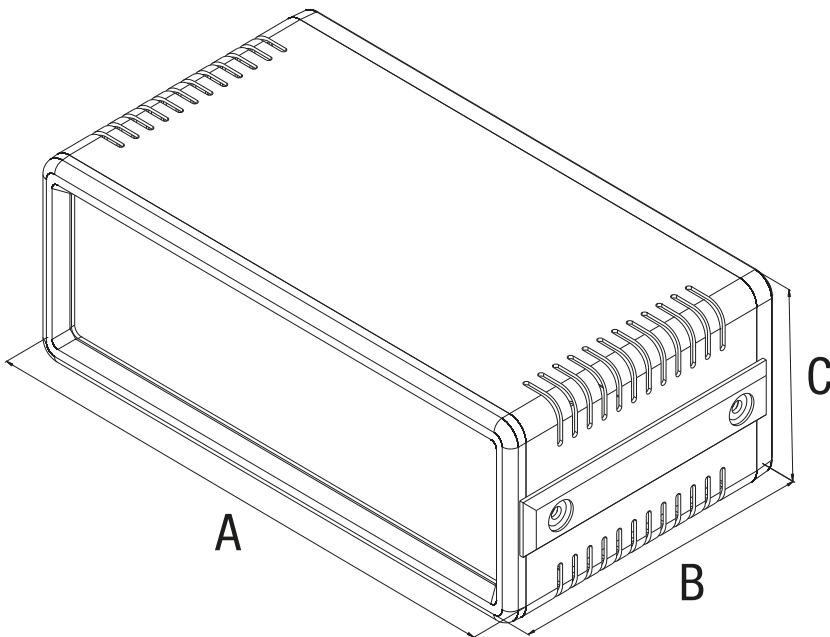
- A-320 : Handle for 19" 1U Rack Enclosures
- A-322 : Handle for 19" 2U Rack Enclosures
- A-324 : Handle for 19" 3U Rack Enclosures



# DESKTOP LABORATORY ENCLOSURES



- Color**  
Gray, Black
- Material**
- Plastics : ABS
  - Body : Aluminum Sheet
  - Paint : Electrostatic Powder Coating
- Features:**
- For desktop applications, automation and control, measurement and monitoring purposes, and medical devices
  - Thanks to the optional carrying handle, the enclosure can be inclined in every 15 degrees
  - Easy assembly inside the enclosure with galvanized perforated sheet metal inner plate
- Accessories:**
- A-951 Tilting Foot
  - A-97 Carry Handle
  - A-98 Carry Handle
  - A-104 Carry Handle



Code	Width (A)	Length (B)	Height (C)	Carry Handle
DT-330	187	173	87	
DT-335	187	282	87	
DT-335-K	187	282	87	Available
DT-340	288	163	105	
DT-345	288	271	105	
DT-345-K	288	271	105	Available
DT-345	350	159	115	
DT-348	350	288	115	
DT-348-K	350	288	115	Available
DT-350	288	165	150	
DT-355	288	274	150	
DT-355-K	288	274	150	Available
DT-360	438	165	150	
DT-365	438	275	150	
DT-365-K	438	275	150	Available
DT-650	380	185,5	155,5	

Code	Width (A)	Length (B)	Height (C)
DT-1515	152	170-200-250	152
DT-1521	152	170-200-250	215
DT-157	152	170-200-250	71
DT-238	228	170-200-250	76

# SLOPED LABORATORY ENCLOSURES


**Color**

Gray, Black

**Material**

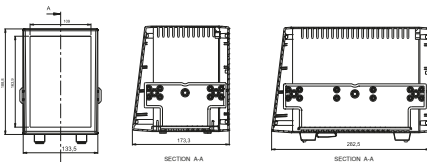
- Plastics : ABS
- Body : Metal Sheet
- Paint : Electrostatic Powder Coating

**Features:**

- Suitable for instrument and control applications where visibility and easy access to controls are required
- Easy assembly inside the enclosure with galvanized perforated sheet metal inner plate
- Easy carrying thanks to the optional steel spring carry handle

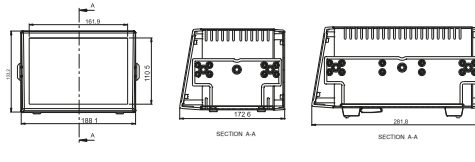
**Accessories:**

- A-951 Tilting Foot
- A-97 Carry Handle
- A-98 Carry Handle
- A-104 Carry Handle



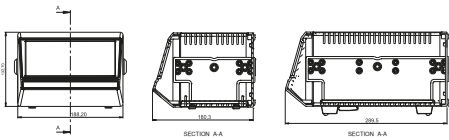
**DT-420**

**DT-422**



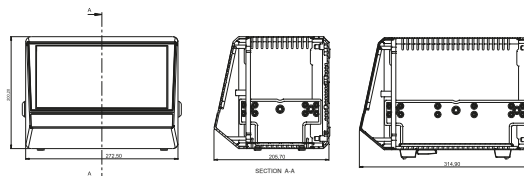
**DT-430**

**DT-433**



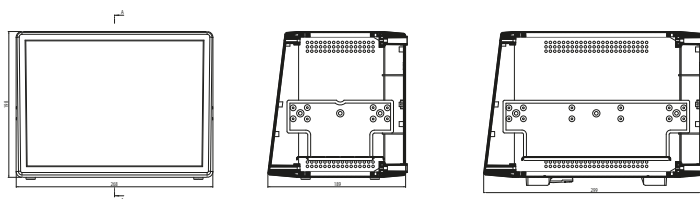
**DT-450**

**DT-455**



**DT-458**

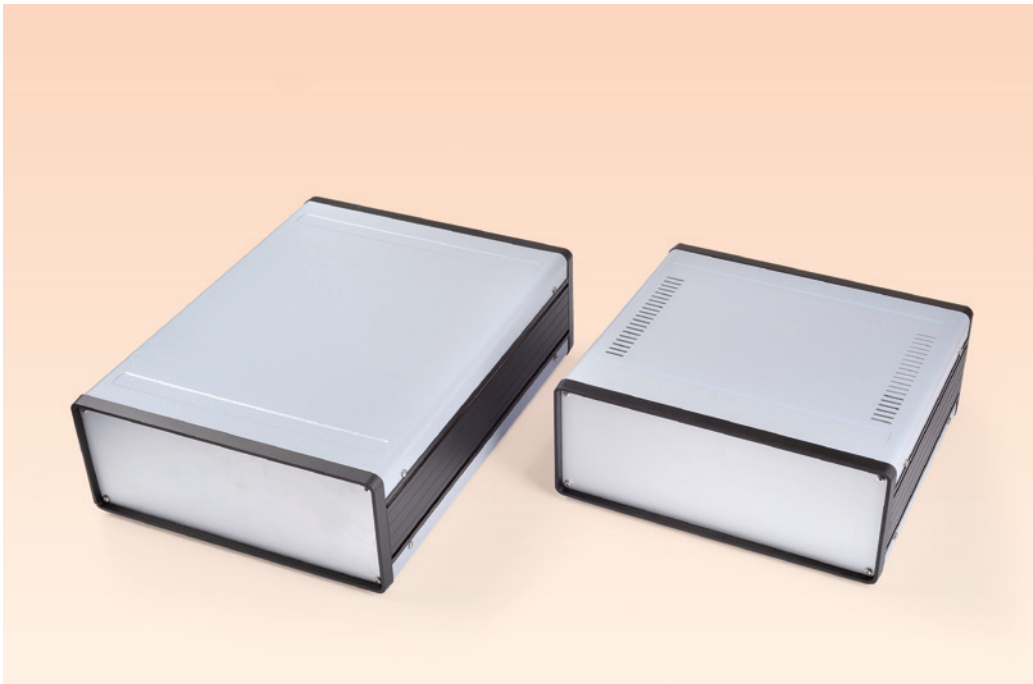
**DT-460**



**DT-465**

**DT-470**

Code	Width (A)	Length (B)	Height (C)
DT-470	268	198	300
DT-465	268	198	190
DT-460	273	315	201
DT-458	273	206	201
DT-455	189	290	133
DT-450	189	181	133
DT-433	188	282	134
DT-430	188	173	134
DT-428	188	124	134
DT-422	134	283	189
DT-420	134	173	189



## Aluminum Laboratory Enclosures

**Color** : Gray, Black

**Material**

- Side Profile : Aluminum
- Frame : Aluminum
- Panel : 2 mm Aluminum
- Bottom - Top Plates : 1.5 mm Aluminum

**Features:**

- A robust and durable solution for a variety of desktop applications including control and measurement, imaging purposes, medical devices, and power supply
- The aluminum construction provides excellent protection properties for sensitive electronic components and has good thermal conductivity that can help remove heat away from electronic components



## Laboratory Power Supply Enclosures

**Color** : Light Gray, Black

**Material**

- Bottom - Top Plates : 1 mm Sheet Metal
- Front Panel : ABS

**Features:**

- Made from a combination of ABS and sheet metal materials, this enclosure is built to withstand the weather conditions and provide long-lasting protection for your electronic components.
- The combination of materials used makes it both shock and heat resistant, making it suitable for use in a variety of environments.
- Carry handle option.



## Metal Project Enclosures

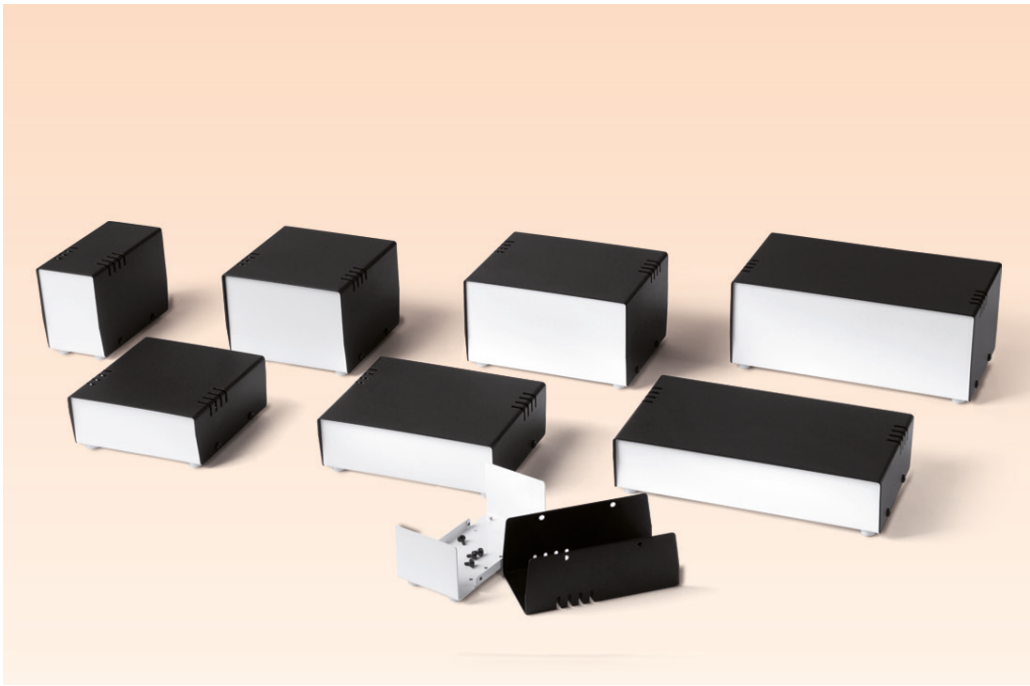
Color : White, Black

### Material

- Bottom Plate : 1 mm Low Carbon Steel Sheet
- Top Plate : 1 mm Low Carbon Steel Sheet

### Features:

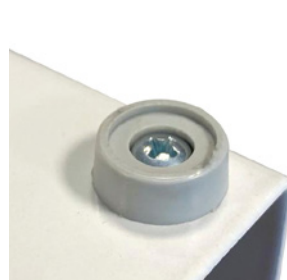
- The perfect solution for any desktop or industrial application that requires a robust and durable metal enclosure
- Sheet metal construction provides rigid and long-lasting protection for your electronic components
- Available with a white base and black top, it offers the possibility to adapt to different styles and various types of equipment
- Suitable for applications such as medical monitoring, power supply systems and audio-video control systems



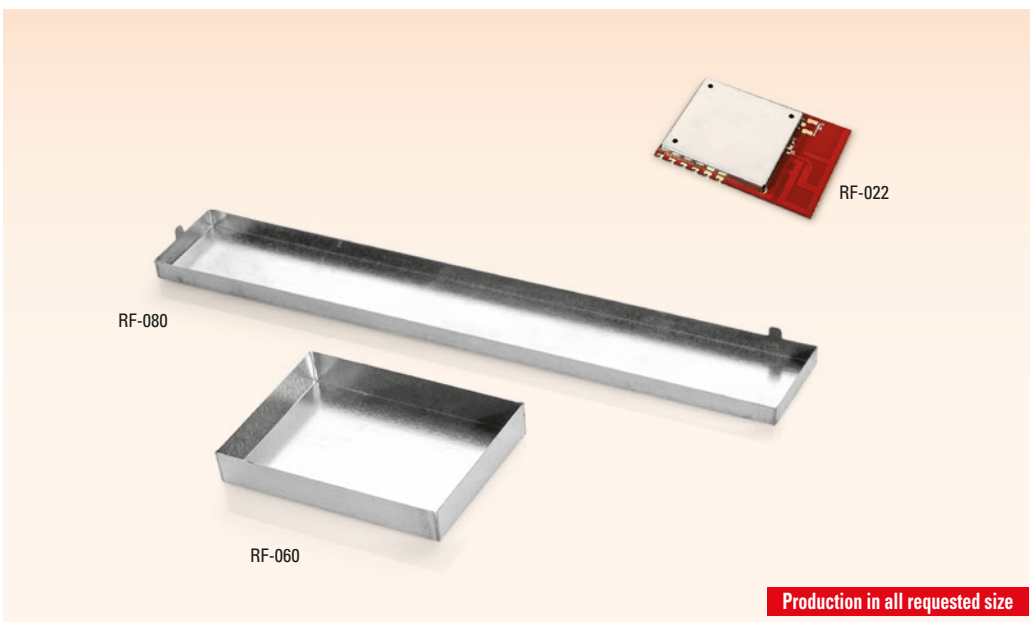
Mounting Holes



Ventilation Slots



Plastic Feet



## RF Shields

Color : Natural

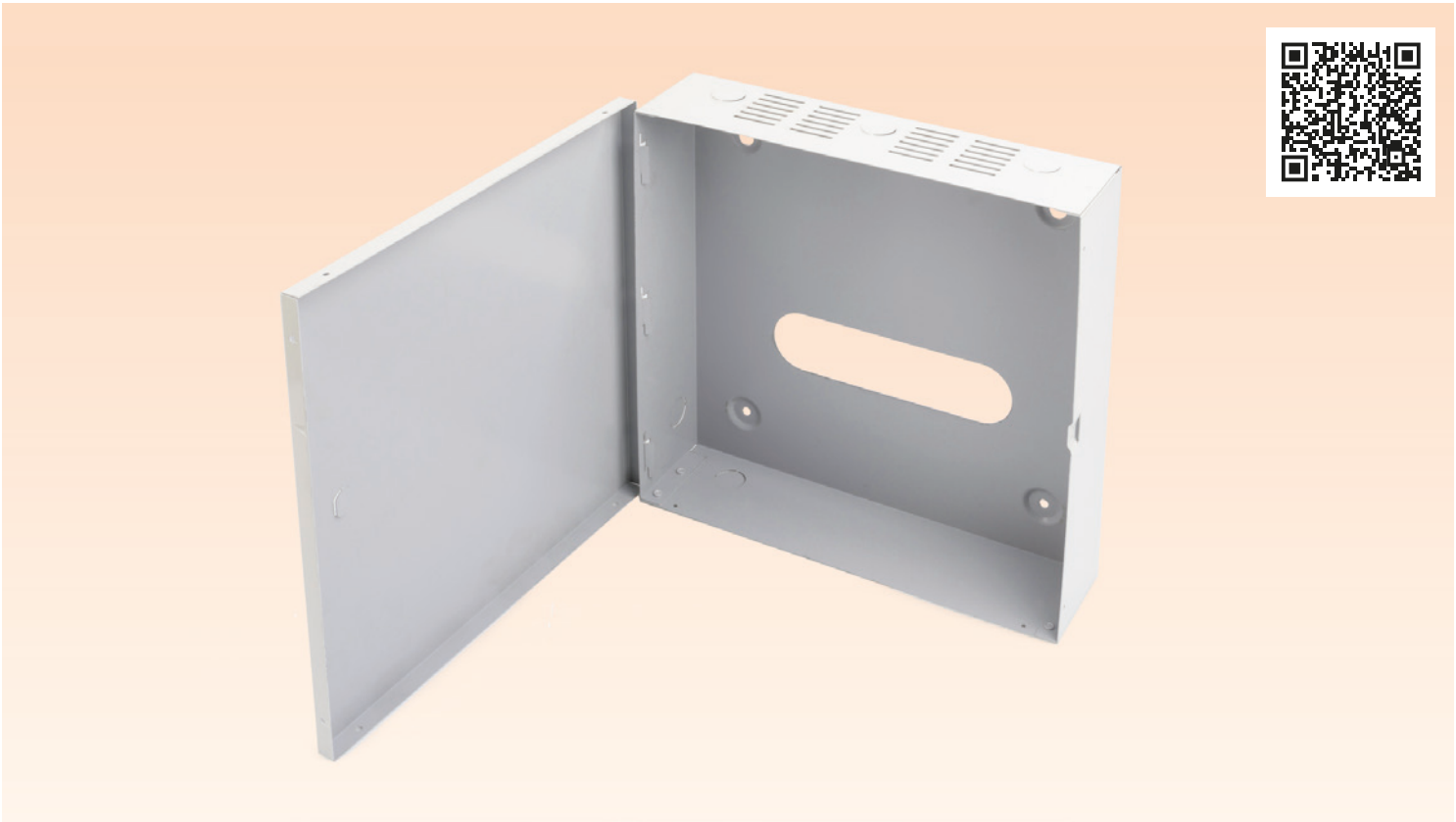
### Material

- Body : Hot tin dipped sheet metal 0,2mm

Production in all requested size



# ALARM CONTROL PANEL ENCLOSURES



**Color**  
White, Black

**Material**

- Bottom : 1 mm Aluminum
- Top Cover : 1 mm Aluminum

**Features:**

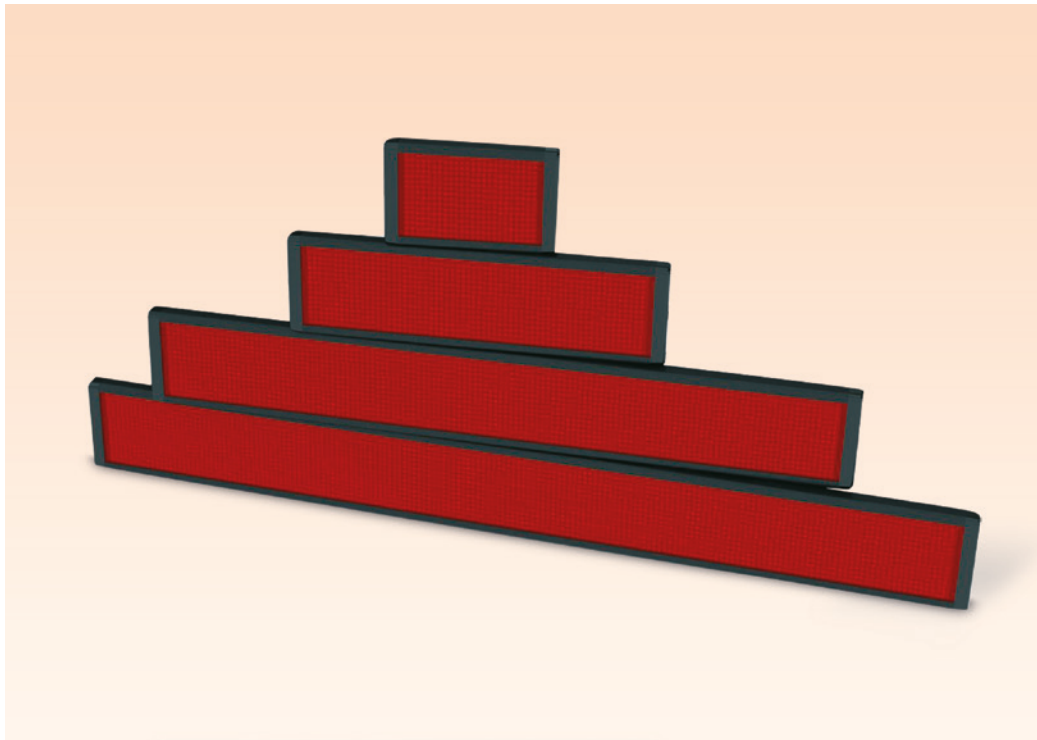
- Made of painted aluminum sheet
- Top side of the sheet with protective film and glossy paint, inner side with gray primer paint
- Ready-to-open holes for cable entry on the sides
- Cover can be closed with screw or lock







**KEEP THE BOXES  
CLOSED**



## Profile Display Enclosures

**Color** : White, Black

**Protection Class** : IP40

### Material

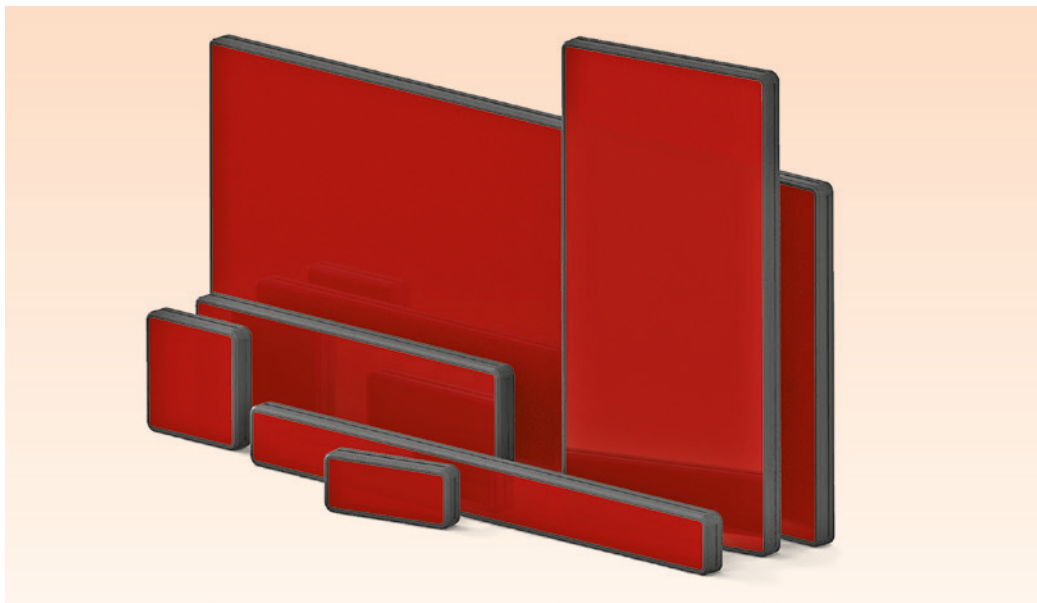
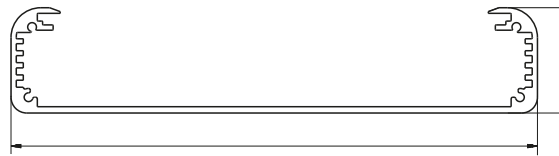
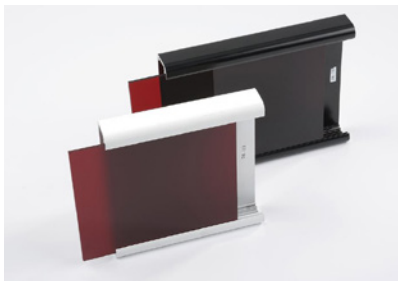
- Profile : 6063 Aluminum
- Side Cover : ABS
- Front Panel : 3 mm Plexiglass

### Features:

- Card guidelines designed for different LEDs and 7 segments heights

### Accessories:

- A-954 Tilt Swivel Mounting Bracket



## Modular Display Enclosures

**Color** : Black, White, Natural

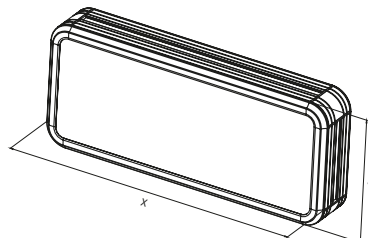
**Protection Class** : IP40

### Material

- Profile : 6063 Aluminum
- Plastic Gusset : ABS
- Aluminum Gusset : Aluminum + ABS
- Front Panel : 3 mm Plexiglass

### Features:

- Card guidelines designed for different LEDs and 7 segments heights





## Display Enclosures

**Color** : Gray

**Protection Class** : IP40

**Material**

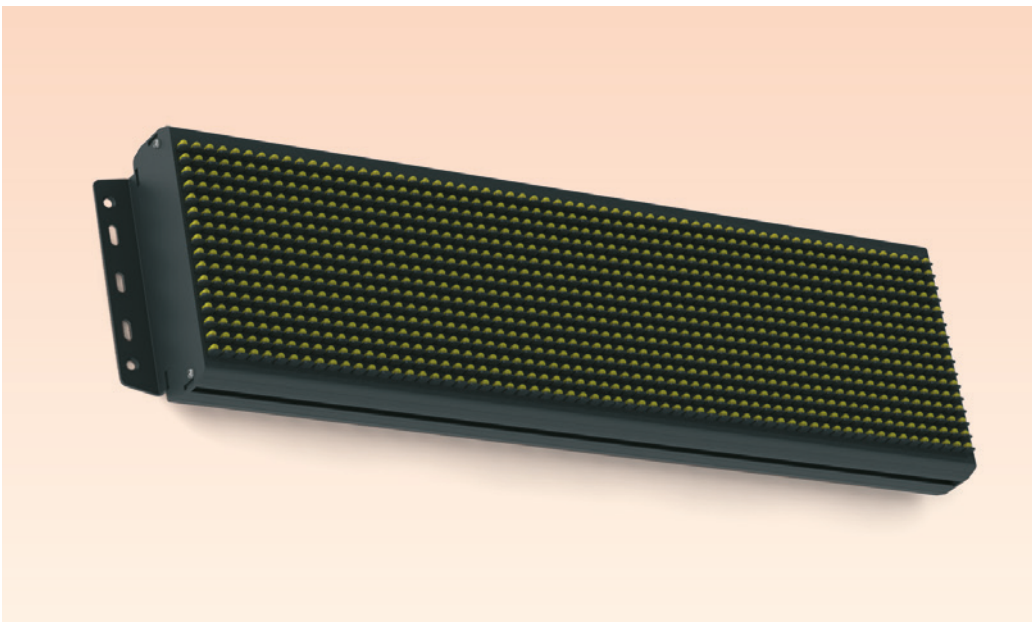
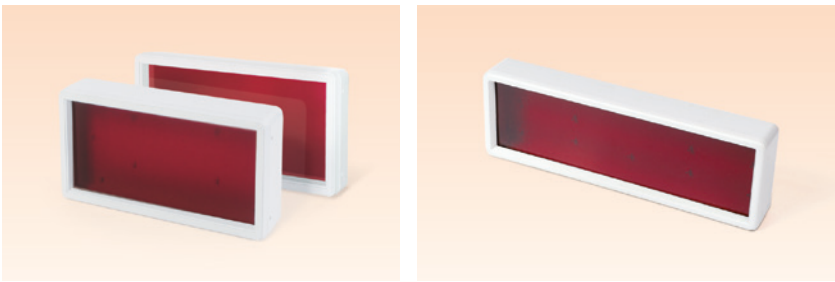
- Body : ABS
- Frame : ABS
- Upper-Lower Lid : 1,5 mm Aluminum
- Front Panel : 3 mm Plexiglass

**Features:**

- Excellent solution to place LED Screens into it
- Different colors of Plexiglasses protect the screen and present vivid colors
- Metal frames prevent the outer effects

**Accessories:**

- A-954 Tilt Swivel Mounting Bracket



## P10 Panel Display Enclosures

**Color** : Black, White, Natural

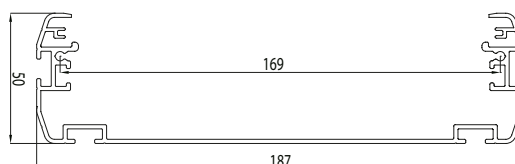
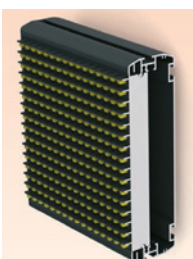
**Protection Class** : IP40

**Material**

- Profile : 6063 Aluminum
- Plastic Gusset : ABS

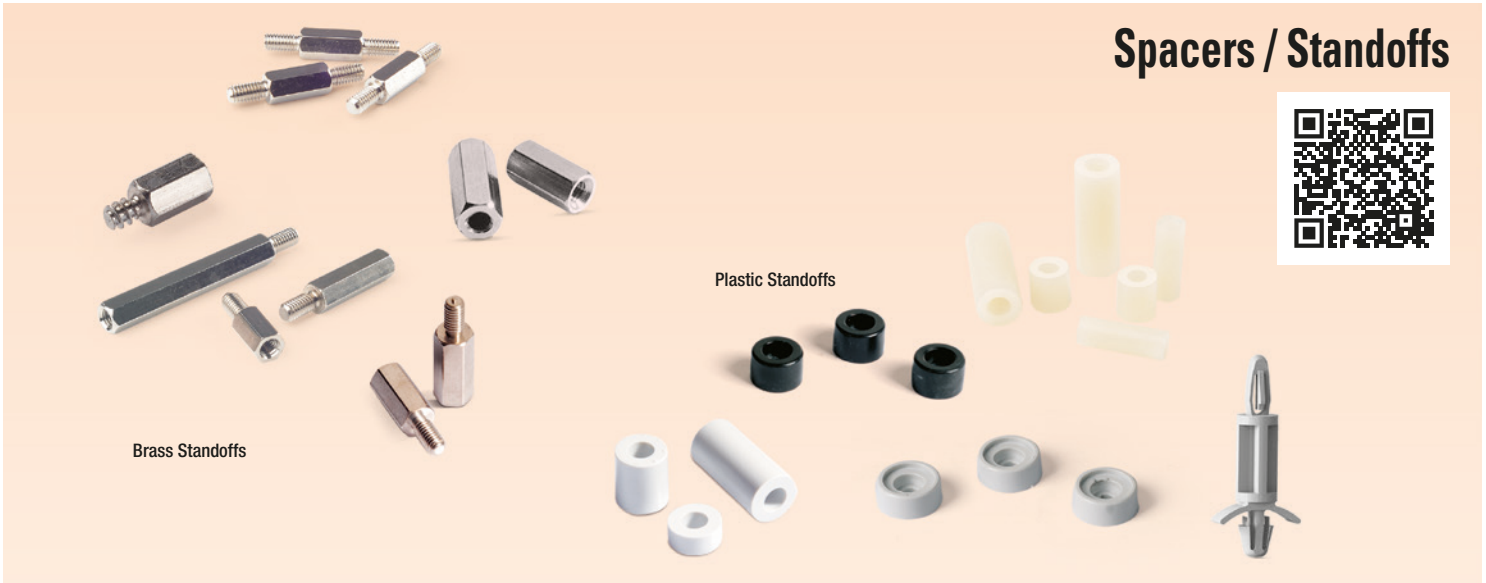
**Features:**

- For led panels with width 160 mm




# COMPONENTS

## Spacers / Standoffs

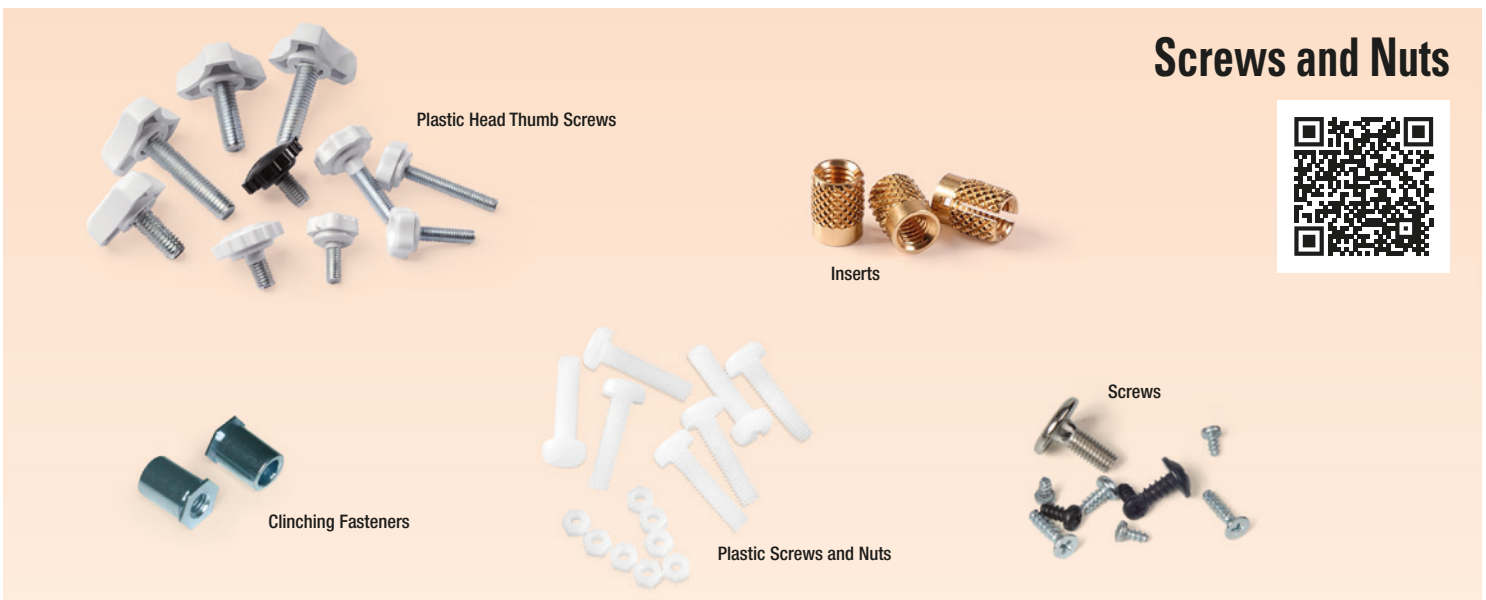


**Brass Standoffs**

**Plastic Standoffs**



## Screws and Nuts




**Plastic Head Thumb Screws**

**Inserts**

**Clinching Fasteners**

**Plastic Screws and Nuts**

**Screws**



## Cable Accessories



**Cable Glands**

**Snap Bushing**

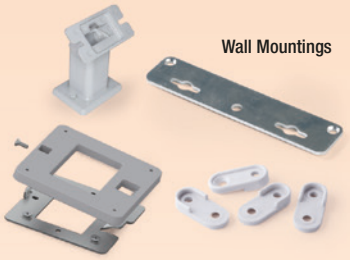
**Cable Gromets**

**Cable Clamps**

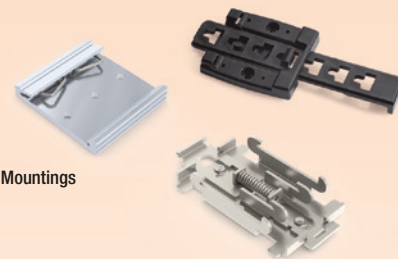
**Twist Ties**




## Mounting Kits




Wall Mountings




DIN Rail Mountings




Pole Mounting Sets




Panel Mounting Sets




Other Mounting Sets



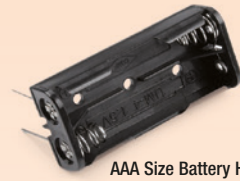
## Battery Holders




AA Size Battery Holders



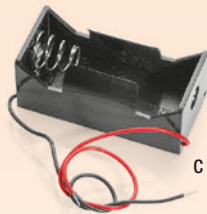
9V Battery Holders



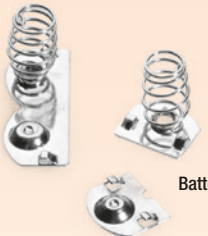
AAA Size Battery Holders




Coin Cell Battery Holders



C Size Battery Holders



Battery Contacts



## Components




LED Pipes



Carry Handles




Terminals



Accessories for Hinged Enclosures



Plastic Buttons



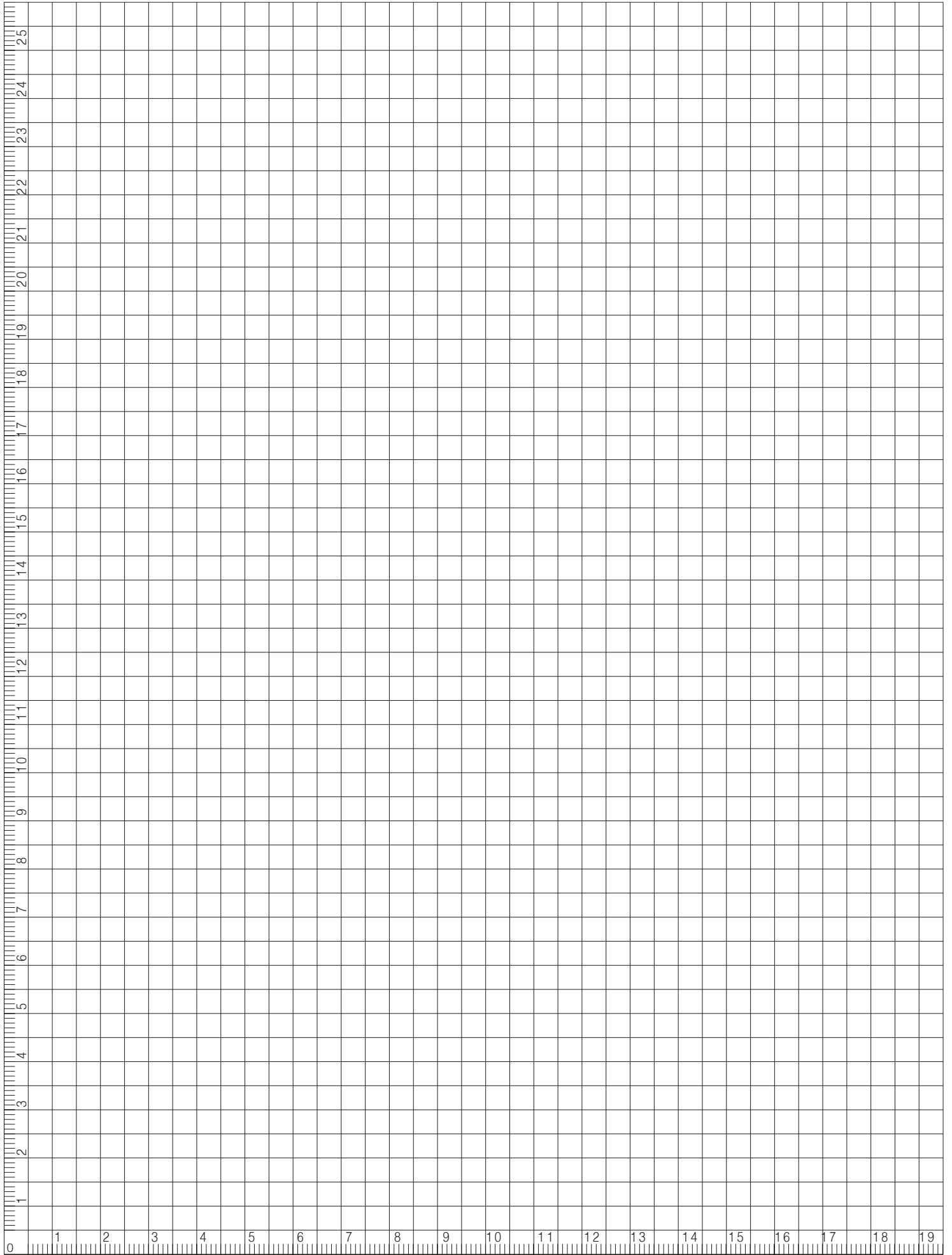
















 **ALTINKAYA**  
ENCLOSURES FOR ELECTRONICS

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