

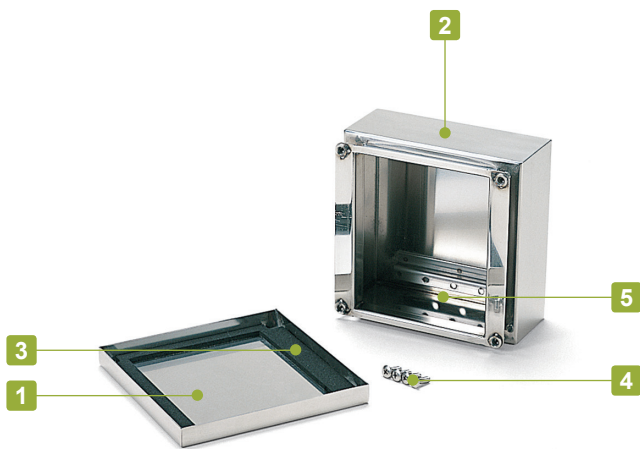
SSB SERIES

IP65 STAINLESS STEEL BOX - SCREWED TYPE



Technical Data

Protection class: IP65
Operating temperature: -40°C ~ +90°C
Recommended torque : 2N • m

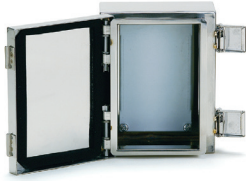


- IP65 enclosure, cover screw type.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304 t = 1.2	Polished finish
2	Body	1	Stainless steel SUS304 t = 1.2	Polished finish
3	Gasket	1	EPDM	Black
4	Screw (M5-12 Truss head)	4	Stainless steel	Unfinished
5	Z-Mounting bracket	2	Stainless steel SUS304 t = 1.5	Unfinished

Accessories (Optional parts)



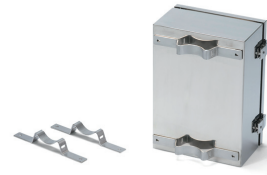
Mounting plate SSC series
See page SSC • FDR-1



Cable gland
See cable gland pages



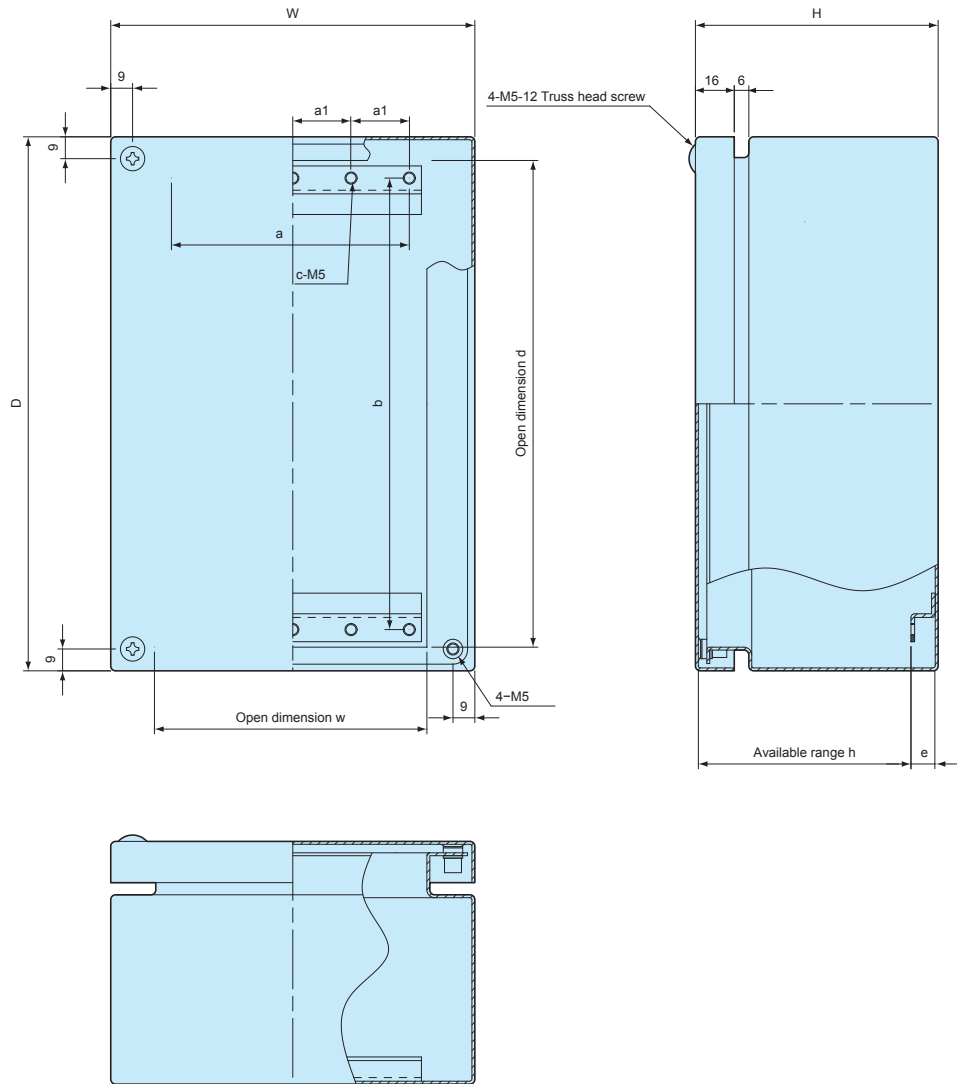
Pole mounting belt PKB series
See page PKB-1



Pole mounting bracket SSK series
See page SSK-M-1 ~ SSK-M-3

SSB dimensions

■ Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.



Product no. / Dimensions

Product no.	W	D	H	w	d	h	a	a1	b	c	e	Weight (kg)
SSB121508	120	150	80	80.5	130.5	67.6	66	33	116	6	10	0.9
SSB151508	150	150	80	110.5	130.5	67.6	96	24	116	10	10	1.1
SSB152206	150	220	60	110.5	200.5	51.1	96	24	186	10	6.5	1.3
SSB152210	150	220	100	110.5	200.5	87.6	96	24	186	10	10	1.6
SSB202010	200	200	100	160.5	180.5	87.6	146	36.5	166	10	10	1.8
SSB202806	200	280	60	160.5	260.5	51.1	146	36.5	246	10	6.5	1.9
SSB202812	200	280	120	160.5	260.5	107.6	146	36.5	246	10	10	2.5
SSB223312	220	330	120	180.5	310.5	107.6	166	41.5	296	10	10	2.9
SSB304015	300	400	150	260.5	380.5	137.6	246	61.5	366	10	10	4.7

SSM SERIES

IP65 STAINLESS STEEL BOX - LATCH-HINGED TYPE



Technical Data

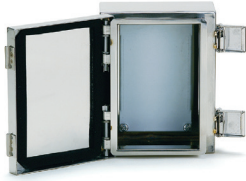
Protection class: IP65
Operating temperature: -40°C ~ +90°C

- IP65 enclosure with easy open/close key latch/hinge.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.
- Key latch for tamper-proof purposes.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304 t = 1.2	Polished finish
2	Body	1	Stainless steel SUS304 t = 1.2	Polished finish
3	Hinge	2	Stainless steel SUS304 t = 1.2	Barrel finish
4	Gasket	1	EPDM	Black
5	Latch (with key)	2	Stainless steel SUS304 t = 1.2	Barrel finish
6	Z-Mounting bracket	2	Stainless steel SUS304 t = 1.5	Unfinished
7	Key	2	Steel SPCC	Nickel plated

Accessories (Optional parts)



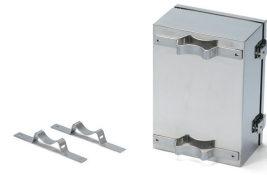
Mounting plate SSC series
See page SSC • FDR-1



Cable gland
See cable gland pages



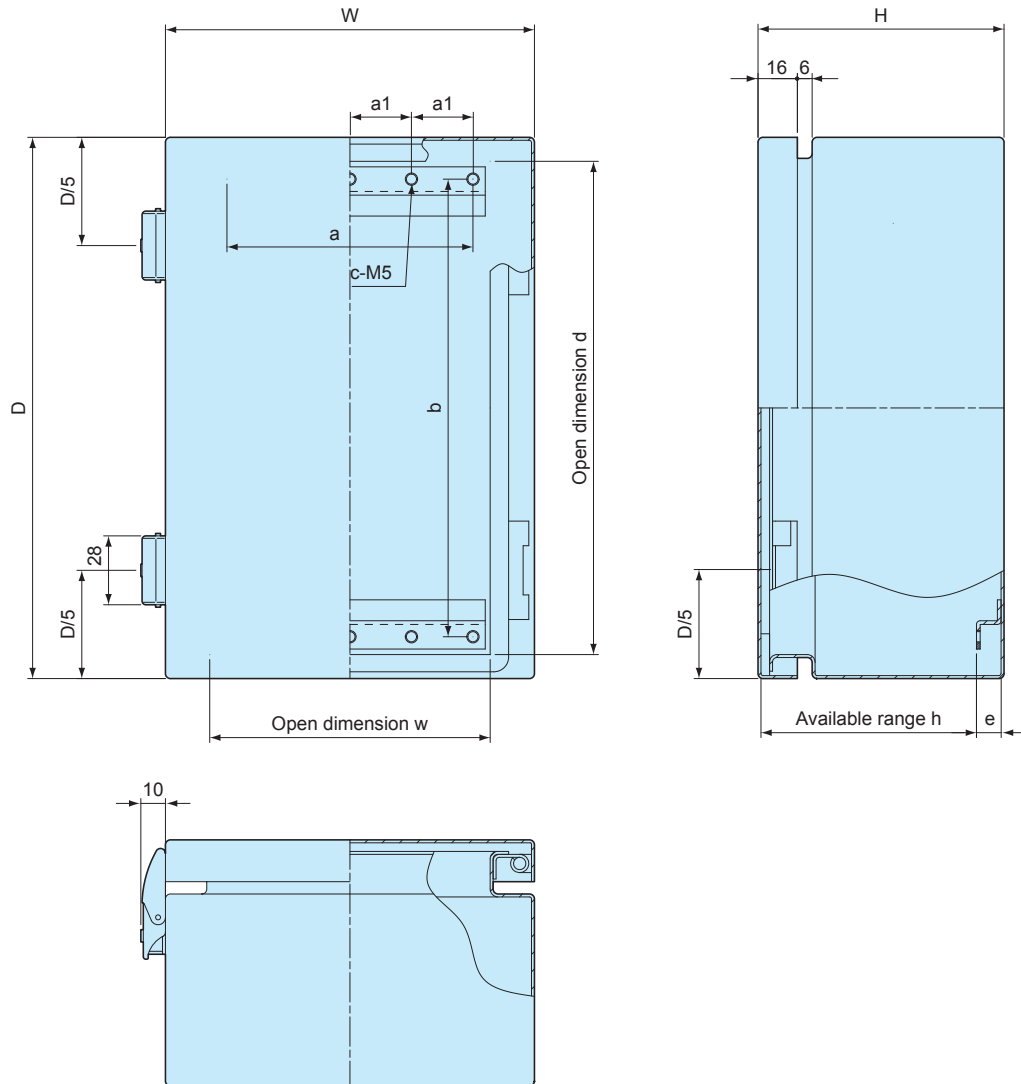
Pole mounting belt PKB series
See page PKB-1



Pole mounting bracket SSK series
See page SSK-M-1 ~ SSK-M-3

SSM dimensions

■ Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.

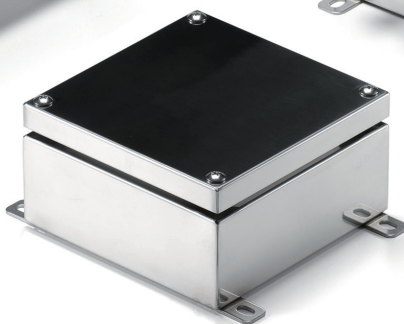


Product no. / Dimensions

Product no.	W	D	H	w	d	h	a	a1	b	c	e	Weight (kg)
SSM121508	120	150	80.5	84	130.5	68.1	66	33	116	6	10	1.0
SSM151508	150	150	80.5	114	130.5	68.1	96	24	116	10	10	1.2
SSM152206	150	220	60.5	114	200.5	51.6	96	24	186	10	6.5	1.4
SSM152210	150	220	100.5	114	200.5	88.1	96	24	186	10	10	1.7
SSM202010	200	200	100.5	164	180.5	88.1	146	36.5	166	10	10	1.9
SSM202806	200	280	60.5	164	260.5	51.6	146	36.5	246	10	6.5	2.0
SSM202812	200	280	120.5	164	260.5	108.1	146	36.5	246	10	10	2.6
SSM223312	220	330	120.5	184	310.5	108.1	166	41.5	296	10	10	3.0
SSM304015	300	400	150.5	264	380.5	138.1	246	61.5	366	10	10	4.8

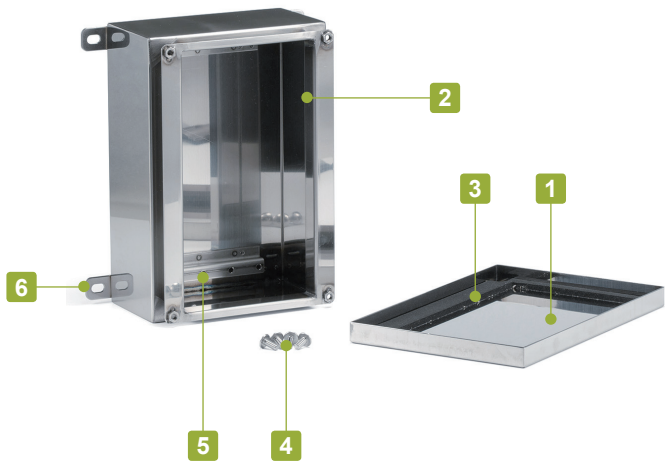
SLB SERIES

IP65 WALL MOUNT STAINLESS STEEL BOX - SCREWED



Technical Data

Protection class: IP65
Operating temperature: -40°C ~ +90°C
Recommended torque : 2N • m

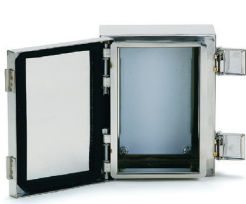


- IP65 wall mount enclosure, cover screw type.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.
- Equipped with wall mounting bracket.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304 t = 1.2	Polished finish
2	Body	1	Stainless steel SUS304 t = 1.2	Polished finish
3	Gasket	1	EPDM	Black
4	Screw (M5-12 Truss head)	4	Stainless steel	Unfinished
5	Z-Mounting bracket	2	Stainless steel SUS304 t = 1.5	Unfinished
6	Wall mount bracket	4	Stainless steel SUS304 t = 2.0	Barrel finish

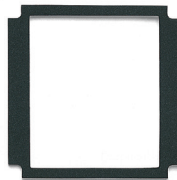
Accessories (Optional parts)



Mounting plate SSC series
See page SSC • FDR-1



DIN-Rail FDR series
See page SSC • FDR-1



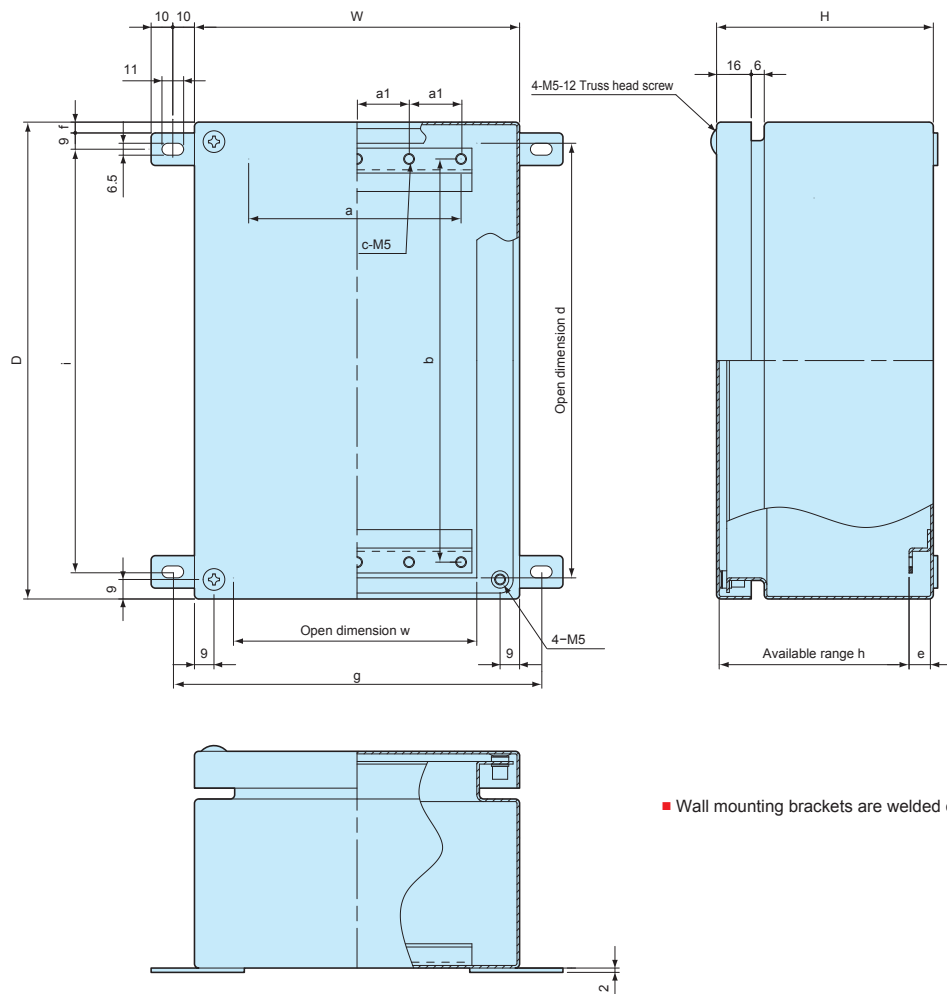
Replacement gasket SSB-G series
See page SSM-G • SSB-G-1



Cable gland
See cable gland pages

SLB dimensions

■ Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.



■ Wall mounting brackets are welded on.

Product no. / Dimensions

Product no.	W	D	H	w	d	h	a	a1	b	c	e	f	g	i	Weight (kg)
SLB121508	120	150	80	80.5	130.5	67.6	66	33	116	6	10	3.5	140	125	0.9
SLB151508	150	150	80	110.5	130.5	67.6	96	24	116	10	10	3.5	170	125	1.1
SLB152206	150	220	60	110.5	200.5	51.1	96	24	186	10	6.5	3.5	170	195	1.3
SLB152210	150	220	100	110.5	200.5	87.6	96	24	186	10	10	3.5	170	195	1.6
SLB202010	200	200	100	160.5	180.5	87.6	146	36.5	166	10	10	3.5	220	175	1.8
SLB202806	200	280	60	160.5	260.5	51.1	146	36.5	246	10	6.5	3.5	220	255	1.9
SLB202812	200	280	120	160.5	260.5	107.6	146	36.5	246	10	10	3.5	220	255	2.5
SLB223312	220	330	120	180.5	310.5	107	166	41.5	296	10	10	5	240	302	3.0
SLB304015	300	400	150	260.5	380.5	137	246	61.5	366	10	10	5	320	372	4.8

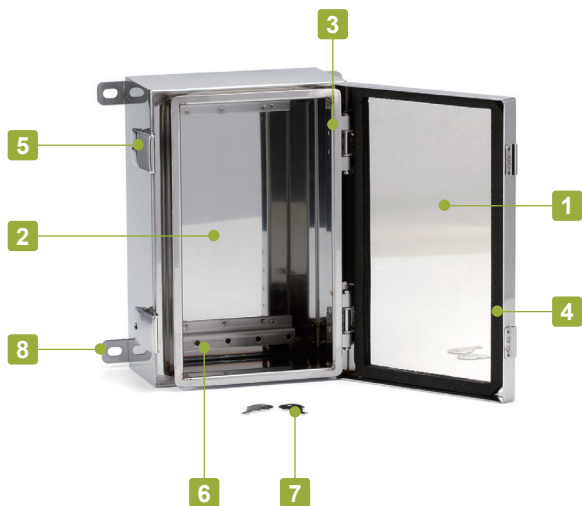
SLM SERIES

IP65 WALL MOUNT STAINLESS STEEL BOX - LATCH-HINGED



Technical Data

Protection class: IP65
Operating temperature: -40°C ~ +90°C

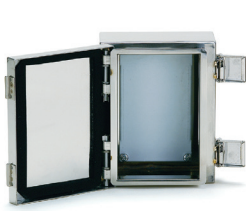


- IP65 wall mount enclosure with easy open/close key latch/hinge.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.
- Key latch for tamper-proof resistance
- Equipped with wall mounting brackets.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	Stainless steel SUS304 t = 1.2	Polished finish
2	Body	1	Stainless steel SUS304 t = 1.2	Polished finish
3	Hinge	2	Stainless steel SUS304 t = 1.2	Barrel finish
4	Gasket	1	EPDM	Black
5	Latch (with key)	2	Stainless steel SUS304 t = 1.2	Barrel finish
6	Z-Mounting bracket	2	Stainless steel SUS304 t = 1.5	Unfinished
7	Key	2	Steel SPCC	Nickel plated
8	Wall mount bracket	4	Stainless steel SUS304 t = 2.0	Barrel finish

Accessories (Optional parts)



Mounting plate SSC series
See page SSC • FDR-1



DIN-Rail FDR series
See page SSC • FDR-1

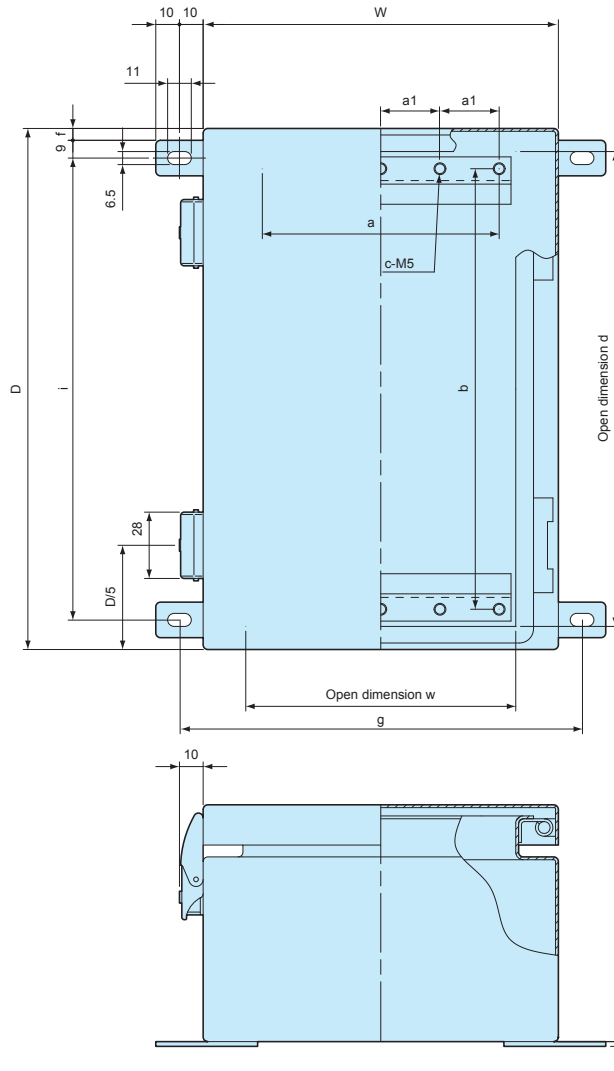


Replacement gasket SSM-G series
See page SSM-G • SSB-G-1

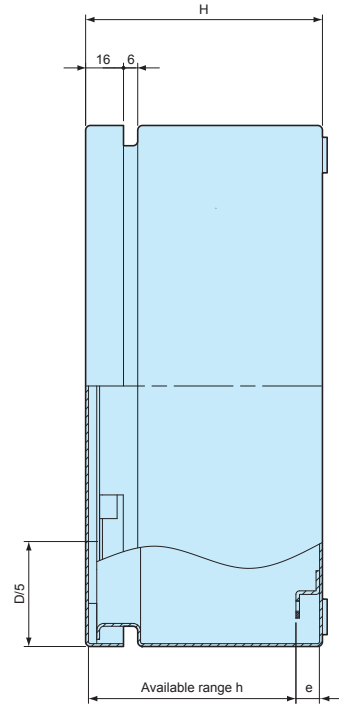


Cable gland
See cable gland pages

SLM dimensions



■ Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.



■ Wall mounting brackets are welded on.

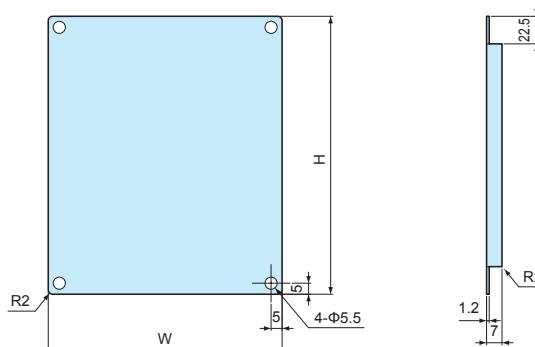
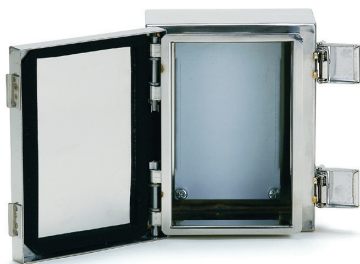
Product no. / Dimensions

Product no.	W	D	H	w	d	h	a	a1	b	c	e	f	g	i	Weight (kg)
SLM121508	120	150	80.5	84	130.5	68.1	66	33	116	6	10	3.5	140	125	1.0
SLM151508	150	150	80.5	114	130.5	68.1	96	24	116	10	10	3.5	170	125	1.2
SLM152206	150	220	60.5	114	200.5	51.6	96	24	186	10	6.5	3.5	170	195	1.4
SLM152210	150	220	100.5	114	200.5	88.1	96	24	186	10	10	3.5	170	195	1.7
SLM202010	200	200	100.5	164	180.5	88.1	146	36.5	166	10	10	3.5	220	175	1.9
SLM202806	200	280	60.5	164	260.5	51.6	146	36.5	246	10	6.5	3.5	220	255	2.0
SLM202812	200	280	120.5	164	260.5	108.1	146	36.5	246	10	10	3.5	220	255	2.6
SLM223312	220	330	120.5	184	310.5	108.1	166	41.5	296	10	10	5	240	302	3.1
SLM304015	300	400	150.5	264	380.5	138.1	246	61.5	366	10	10	5	320	372	4.9

SSC SERIES

MOUNTING PLATE for SSM • SLM • SSB • SLB

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



Product no. / Dimensions

Product no.	W	H	Suitable box
SSC1215	76	126	SSM • SLM • SSB • SLB 1215
SSC1515	106	126	SSM • SLM • SSB • SLB 1515
SSC1522	106	196	SSM • SLM • SSB • SLB 1522
SSC2020	156	176	SSM • SLM • SSB • SLB 2020
SSC2028	156	256	SSM • SLM • SSB • SLB 2028
SSC2233	176	306	SSM • SLM • SSB • SLB 2233
SSC3040	256	376	SSM • SLM • SSB • SLB 3040

■ Material / Finish : Steel SECC t = 1.2 / Zinc coated Included screws : M4-8 Pan head with spring washer / Trivalent chromate x 4 pcs

FDR SERIES

DIN-RAIL



Product no. / Dimensions

Product no.	L	Suitable box
FDR- 128	128	SSM • SLM • SSB • SLB 1215 / 1515
FDR-B176	176	SSM • SLM • SSB • SLB 2020
FDR-B196	196	SSM • SLM • SSB • SLB 1522
FDR-B256	256	SSM • SLM • SSB • SLB 2028
FDR-B303	303	SSM • SLM • SSB • SLB 2233
FDR-B376	376	SSM • SLM • SSB • SLB 3040

■ Material / Finish : Extruded aluminium A6063S-T5 / Silver anodized

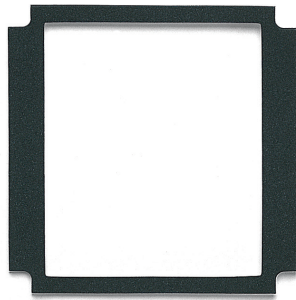
SSM-G SERIES**GASKET for SSM • SLM**

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

Product no. / Dimensions

Product no.	Suitable box
SSM-G1215	SSM • SLM 1215
SSM-G1515	SSM • SLM 1515
SSM-G1522	SSM • SLM 1522
SSM-G2020	SSM • SLM 2020
SSM-G2028	SSM • SLM 2028
SSM-G2233	SSM • SLM 2233
SSM-G3040	SSM • SLM 3040

■ Material : EPDM t = 5.0

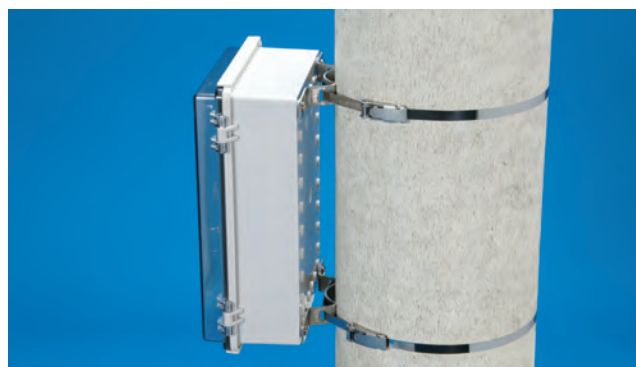
SSB-G SERIES**GASKET for SSB • SLB**

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

Product no. / Dimensions

Product no.	Suitable box
SSB-G1215	SSB • SLB 1215
SSB-G1515	SSB • SLB 1515
SSB-G1522	SSB • SLB 1522
SSB-G2020	SSB • SLB 2020
SSB-G2028	SSB • SLB 2028
SSB-G2233	SSB • SLB 2233
SSB-G3040	SSB • SLB 3040

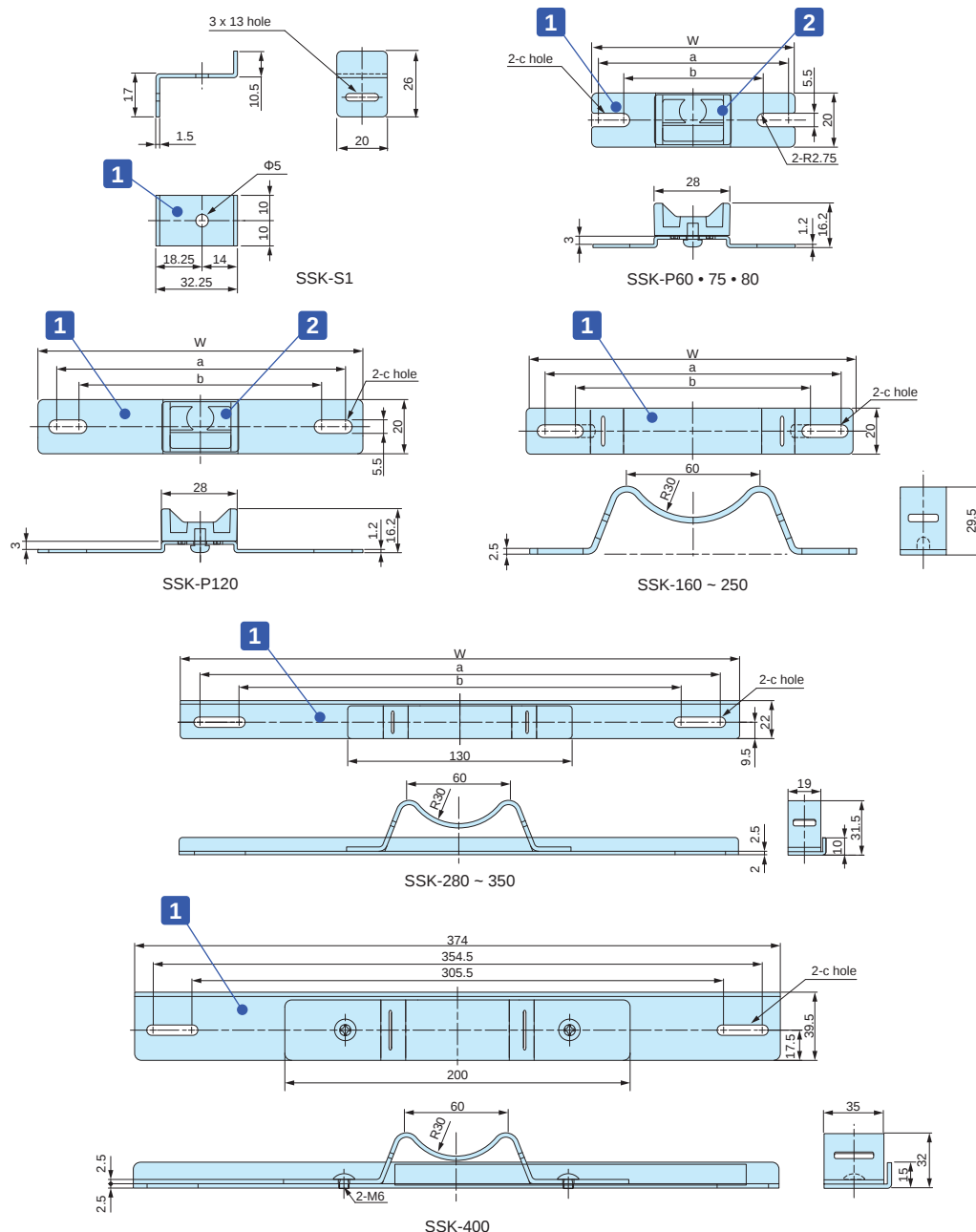
■ Material : EPDM t = 5.0

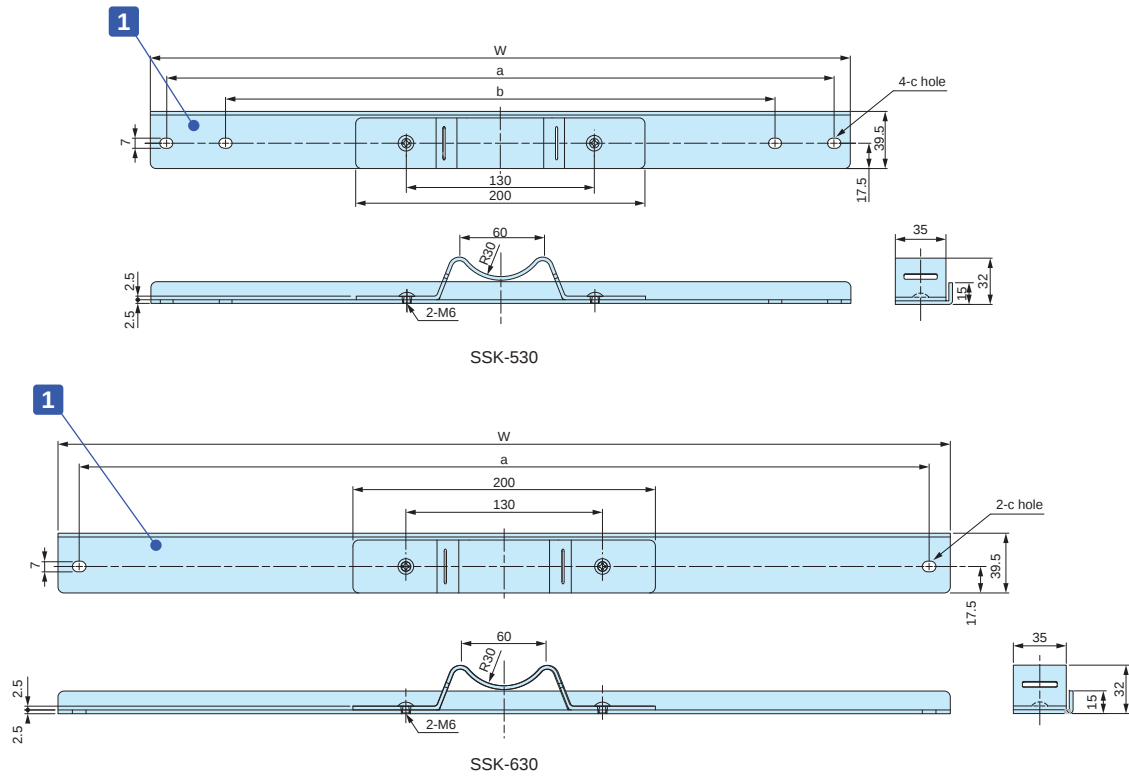
SSK series**POLE MOUNTING BRACKET for BCAP • BCAR • BCPC • BCPK • BCPR**

- Stainless steel pole mounting bracket for BCAP • BCAR • BCPC • BCPK • BCPR series.
- No hole milling is required for maintaining the IP rating of the boxes.
- SSK-P models come with plastic brackets.

APPLICATION EXAMPLE**Weather Station Data Logger****SSK dimensions**

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

**Water Level Detector**



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

Components

No.	Part name	Pcs	Material	Color / Finish
1	Mounting bracket	2 / 4	Stainless steel SUS304	Barrel finish
2	Plastic bracket (SSK-P only)	2	ASA UL94HB	White gray
-	Screw	4	Stainless steel	Unfinished

Product no. / Details

Product no.	W	a	b	c	Suitable models BCAP • BCAR • BCPC • BCPK • BCPR	Belt to use with	Pack of
SSK-S1	—	—	—	—	0912, 1015, 1121, 1126, 1315, 1318, 1621, 1626, 1722, 1727, 2121	PKB10PM, 10P, PKB10S, SNB series	4
SSK-P60	60	54.5	47.5	5.5 x 9	0912	PKB10PM, 10P, PKB10S	2
SSK-P75	75	69.5	55.5	5.5 x 12.5	1015	PKB10PM, 10P, PKB10S	2
SSK-P80	80	74.5	64.5	5.5 x 10.5	1121, 1126	PKB10PM, 10P, PKB10S	2
SSK-P120	120	106.5	88.5	5.5 x 14.5	1315, 1318	PKB10PM, 10P, PKB10S	2
SSK-160	142	129.5	106.5	—	1515, 1621, 1626	PKB10PM, 10P, PKB10S, SNB series	2
SSK-170	152	142.3	101	—	1722, 1727	PKB10PM, 10P, PKB10S, SNB series	2
SSK-200	174	161.5	112.5	5.5 x 30	1928, 2030	PKB10PM, 10P, PKB10S, SNB series	2
SSK-210	192	180.5	131.5	5.5 x 30	2121	PKB10PM, 10P, PKB10S, SNB series	2
SSK-250	230	215.5	166.5	5.5 x 30	2535	PKB10PM, 10P, PKB10S, SNB series	2
SSK-280	260	244.5	195.5	5.5 x 30	2828, 2838	PKB10PM, 10P, PKB10S, SNB series	2
SSK-300	280	264.5	215.5	5.5 x 30	3030, 3040	PKB10PM, 10P, PKB10S, SNB series	2
SSK-350	324	302.5	253.5	5.5 x 30	3535, 3545	PKB10PM, 10P, PKB10S, SNB series	2
SSK-400	374	354.5	305.5	5.5 x 30	4050, 4060	PKB20S, SNB series	2
SSK-530	484	462	380	7 x 9	5060, 5070	PKB20S, SNB series	2
SSK-630	590	562	—	7 x 9	6080	PKB20S, SNB series	2



SNB series



PKB-10PM, 10P



PKB-10S, 20S

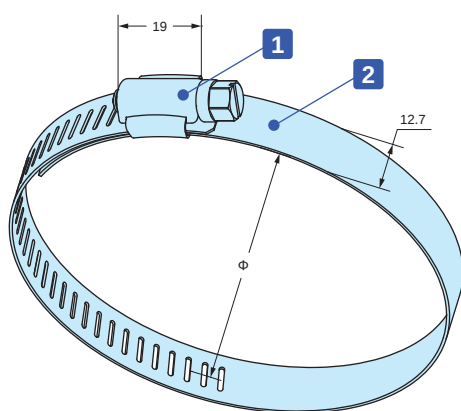
■ Pole mounting strap and belt, SNB and PKB series are sold separately. See page 207 ~ 208 for further details.

SNB series

STAINLESS STEEL POLE MOUNTING STRAP



SNB dimensions



- Corrosion resistant stainless steel (SUS304) belt clamp.
- It can be installed securely by tightening the screw.
- 8 mm nut driver (box driver) is recommended for tightening.
Flat-bladed screwdrivers can also be used.

Components

No.	Part name	Pcs	Material	Finish
1	Bracket	1	Stainless steel SUS304	Polished
2	Strap	1	Stainless steel SUS304	Polished

Product no. / Details

Product no.	Applicable diameter (Φ)	Strap width	Strap thickness	Recommended torque N • m	Weight (g)	Pack of
SNB 52- 76	52 ~ 76	12.7	0.6	0.7 ~ 1.0	27.5	1
SNB 72- 95	72 ~ 95	12.7	0.6	0.7 ~ 1.0	30	1
SNB 91-114	91 ~ 114	12.7	0.6	0.7 ~ 1.0	34.5	1
SNB105-127	105 ~ 127	12.7	0.6	0.7 ~ 1.0	37.5	1
SNB117-140	117 ~ 140	12.7	0.6	0.7 ~ 1.0	39.5	1
SNB130-153	130 ~ 153	12.7	0.6	0.7 ~ 1.0	41.5	1
SNB142-165	142 ~ 165	12.7	0.6	0.7 ~ 1.0	43.5	1
SNB155-178	155 ~ 178	12.7	0.6	0.7 ~ 1.0	46.5	1
SNB168-191	168 ~ 191	12.7	0.6	0.7 ~ 1.0	49	1
SNB181-204	181 ~ 204	12.7	0.6	0.7 ~ 1.0	51	1
SNB194-217	194 ~ 217	12.7	0.6	0.7 ~ 1.0	52.5	1
SNB207-230	207 ~ 230	12.7	0.6	0.7 ~ 1.0	57	1
SNB220-243	220 ~ 243	12.7	0.6	0.7 ~ 1.0	59.5	1
SNB233-256	233 ~ 256	12.7	0.6	0.7 ~ 1.0	62.5	1
SNB246-269	246 ~ 269	12.7	0.6	0.7 ~ 1.0	64	1
SNB259-282	259 ~ 282	12.7	0.6	0.7 ~ 1.0	67.5	1
SNB272-295	272 ~ 295	12.7	0.6	0.7 ~ 1.0	70	1
SNB285-308	285 ~ 308	12.7	0.6	0.7 ~ 1.0	71	1

■ Recommended torque listed is for reference only; actual may differ. Assemble after testing torque.

SNB Strap required

Suitable series	Suitable models						Required
SSK series	SSK-S1	SSK-160	SSK-170	SSK-200	SSK-210	SSK-250	2
	SSK-280	SSK-300	SSK-350	SSK-400	SSK-530		
WGMB series	WGMB-1W						1

PKB series

POLE MOUNTING BELT



PKB-10PM, 10P



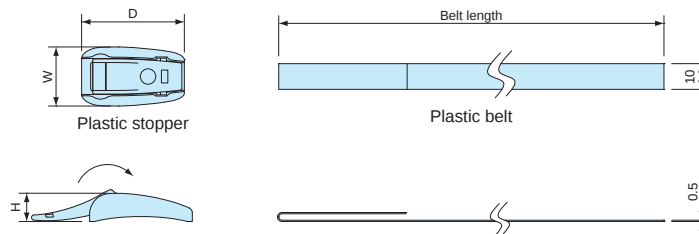
PKB-10S, 20S

- Pole mounting belt for attachment of enclosures with suitable pole mount brackets or construction onto poles.
- Designed for one time use only (not reusable).
- Strong stainless steel clamping type and easy installation plastic type are available.

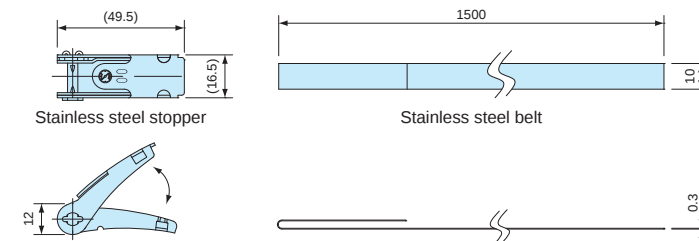
PKB dimensions

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

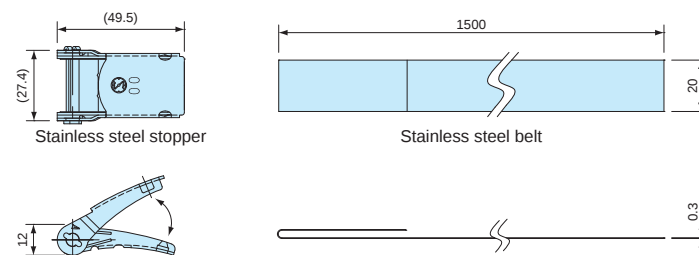
PKB-10PM, 10P



PKB-10S



PKB-20S



Components

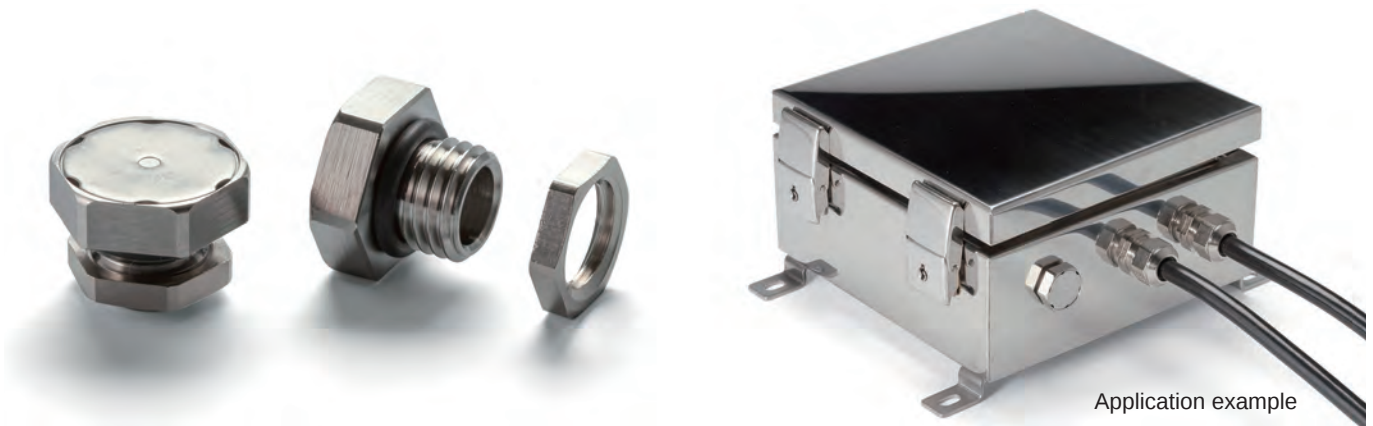
Part name	Material	Color / Finish
Stopper	Stainless steel SUS304 • POM	Barrel finish • Black
Belt	Stainless steel SUS430 • PET	Bright annealed finish • Gray

Product no. / Details

Product no.	W	D	H	Belt length	Belt material	Tensile strength (horizontal)	Weight (g)	Pack of
PKB-10PM	23	24	11	500 mm	PET	0.8kN	14	2
PKB-10P	23	40	11	1,500 mm	PET	1.3kN	31.8	2
PKB-10S	—	—	—	1,500 mm	Stainless steel SUS304	1.4kN	101.6	2
PKB-20S	—	—	—	1,500 mm	Stainless steel SUS430	2.9kN	182.2	2

PMF-12M

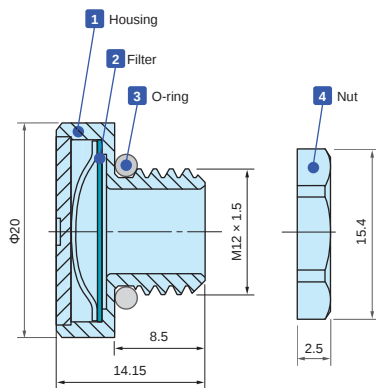
STAINLESS STEEL PROTECTIVE VENT



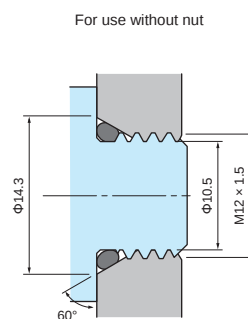
Application example

- Stainless steel protective vent for superior durability and chemical resistance.
- IP68 protection class (water depth 2 meters / 60 mins) and -40°C ~ +125°C operating temperature range allows it to be used in various environments.
- Suitable for enclosures with capacities of 20 litres or under.
- For outdoor use, installation on the side of the enclosure unit is recommended.

PMF-12M dimensions

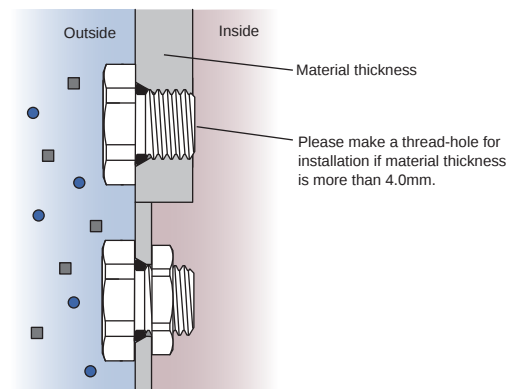


Hole milling drawings



- While $\Phi 12.2$ mm through-hole is sufficient for installation, 60° angle tapered hole is recommended to prevent deformation of the O-ring.

Installation drawings



- If used with a lock nut, material thickness should not exceed 4.0mm.

Technical Data

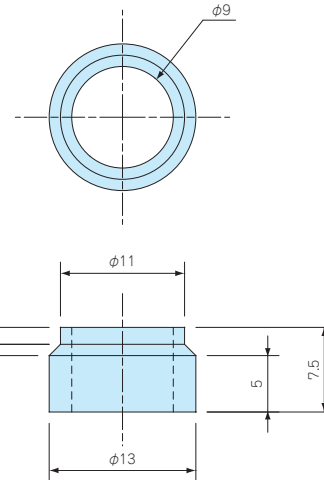
Airflow	1600ml / min (dp = 7 kPa)
Recommended Torque	0.6 ~ 1.2 N • m
Certifications	IEC60529 (Protection class test) : IP66 • IP67 • IP68 • IP69K IEC60068-2-1, 2, 14 (Heat resistance test) : -40°C ~ +125°C IEC60068-2-78 (Humidity test) : 85°C • 85% humidity • 1000 hours IEC60068-2-64 (Vibration test)

Product no. / Details

Product no.	Material				G		Nut SW
● Metallic	1 Housing	2 Filter	3 O-ring	4 Nut	Thread size	Mount hole	
PMF-12M	Stainless steel	PTFE	Silicone	Brass • Nickel plated	M12 x 1.5	$\Phi 12.2$	14

RB-9

RUBBER BUSH



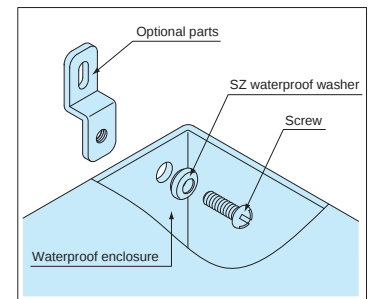
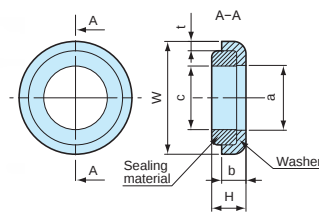
- Rubber bush for TMC series terminal junction box.
- Applicable for $\phi 8 \sim \phi 9$ mm diameter cable.

Product no. / Details

Product no.	Material	Color	Cable range	Pack of
RB-9	NBR	Black	$\phi 8 \sim \phi 9$ mm	2

SZ series

WATERPROOF WASHER



- Waterproof washer for screwing onto waterproof boxes.
- NBR sealing material has superior oil resistance (N models only).
- Silicone sealing material has wider operating temperature with superior temperature and water resistance (S models only).

Technical Data

Water pressure resistance :
M3 ~ M16
0.98MPa (10kgf/cm²) / 1 hour

- Shape of the sealing material vary by product.

Product no. / Details

Product no.	W	H	a	b	c	t	Washer material	Sealing material	Color	Screw size	Pack of
SZ- 3N	7	2.7	3.2	2.2	3.1	0.5	SUS304	NBR	Black	M 3	1
SZ- 3S	7	2.7	3.2	2.2	3.1	0.5	SUS304	Silicone	Brown	M 3	1
SZ- 4N	8	2.8	4.2	2.1	4.1	0.5	SUS304	NBR	Black	M 4	1
SZ- 4S	8	2.8	4.2	2.1	4.1	0.5	SUS304	Silicone	Brown	M 4	1
SZ- 5N	9.5	3.6	5.2	2.7	5.1	0.8	SUS304	NBR	Black	M 5	1
SZ- 5S	9.5	3.6	5.2	2.7	5.1	0.8	SUS304	Silicone	Brown	M 5	1
SZ- 6N	11.5	4	6.2	3	6.2	1	SUS304	NBR	Black	M 6	1
SZ- 6S	11.5	4	6.2	3	6.2	1	SUS304	Silicone	Brown	M 6	1
SZ- 8N	15.2	3.8	8.2	3.2	8.2	1	SUS304	NBR	Black	M 8	1
SZ- 8S	15.2	3.8	8.2	3.2	8.2	1	SUS304	Silicone	Brown	M 8	1
SZ-10N	18	5.3	10.2	4	10.2	1.5	SUS304	NBR	Black	M10	1
SZ-10S	18	5.3	10.2	4	10.2	1.5	SUS304	Silicone	Brown	M10	1
SZ-12N	24	6.1	14.2	4.8	12.2	1.5	SUS304	NBR	Black	M12	1
SZ-12S	24	6.1	14.2	4.8	12.2	1.5	SUS304	Silicone	Brown	M12	1
SZ-16N	30	6.8	18.4	5.3	16	1.9	SUS304	NBR	Black	M16	1
SZ-16S	30	6.8	18.4	5.3	16	1.9	SUS304	Silicone	Brown	M16	1
NEW SZ-3N-P	7	2.7	3.2	2.2	3.1	0.5	SUS304	NBR	Black	M 3	50
NEW SZ-3S-P	7	2.7	3.2	2.2	3.1	0.5	SUS304	Silicone	Brown	M 3	50
NEW SZ-4N-P	8	2.8	4.2	2.1	4.1	0.5	SUS304	NBR	Black	M 4	50
NEW SZ-4S-P	8	2.8	4.2	2.1	4.1	0.5	SUS304	Silicone	Brown	M 4	50
NEW SZ-5N-P	9.5	3.6	5.2	2.7	5.1	0.8	SUS304	NBR	Black	M 5	50
NEW SZ-5S-P	9.5	3.6	5.2	2.7	5.1	0.8	SUS304	Silicone	Brown	M 5	50



- High water protection IP68 (1bar / 30min) metal cable gland.
- Wide selection, for M6 ~ M50.
Suitable for $\Phi 2$ mm ~ $\Phi 42$ mm cable.

Technical Data

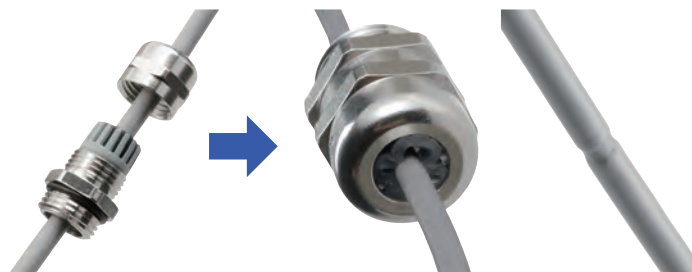
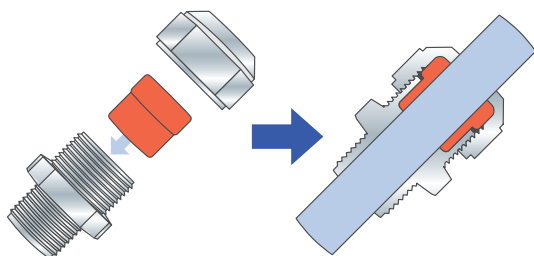
Protection class : IP68 1bar / 30min
 Operating temperature : -40°C ~ +100°C
 Compliant with EN50262 Ver. A

AGM series

Thicker sealing insert evenly hold a cable by having a larger holding area.
 Remains durable even after repeated tightening / loosening.

Lamellar insert type

If over-tightened, it can cause the rubber bush or cable to deform,
 which can allow water to seep in.



- Appropriate tightening torque varies by each cable diameter.

Tighten the cap until top of the sealing insert forms a small bead between the cap and the cable.

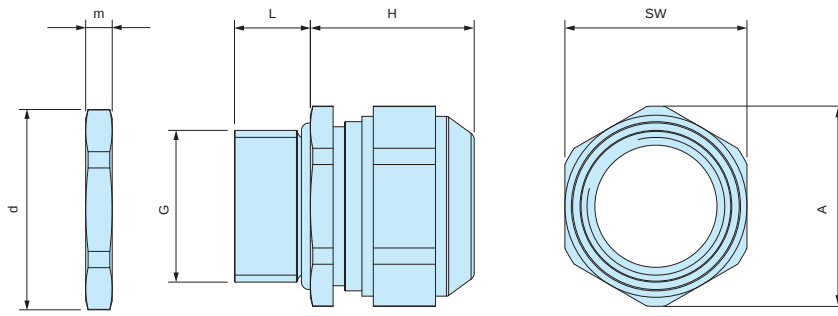


Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing insert	TPE	Black
3	Connector	Brass	Nickel plated
-	O-ring	NBR	Black
4	Lock nut	Brass	Nickel plated

AGM dimensions

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



Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGM6-2.5	M6×1.0	Φ6.2	2	2.5	8	12	8	9	10	2.8	1
AGM6-3	M6×1.0	Φ6.2	2.5	3.0	8	12	8	9	10	2.8	1
AGM6-3.5	M6×1.0	Φ6.2	3.0	3.5	8	12	8	9	10	2.8	1
AGM8-5	M8×1.25	Φ8.2	3.5	4.7	10	14	11	12	12	3	1
AGM10-6	M10×1.5	Φ10.2	4.0	6.0	10	15	13	14.3	14	2.8	1
AGM12-8	M12×1.5	Φ12.2	6.5	8.0	10	17	15	16.5	16.5	2.8	1
AGM16-10.5	M16×1.5	Φ16.2	8.0	10.5	10	21	18	20	21	3	1
AGM20-15	M20×1.5	Φ20.2	11.0	15.0	10	23	24	26.5	26.5	3.5	1
AGM25-20	M25×1.5	Φ25.2	16.0	20.0	11	28	30	33	33	4	1
AGM32-25.5	M32×1.5	Φ32.3	21.0	25.5	13	29.5	36	39.5	39.5	4	1
AGM40-28.5	M40×1.5	Φ40.3	24.0	28.5	13	32	46	50.7	51	5	1
AGM40-33	M40×1.5	Φ40.3	28.5	33.0	13	32	46	50.7	51	5	1
AGM50-37	M50×1.5	Φ50.4	33.0	37.0	14	34	55	59.7	60	5.5	1
AGM50-42	M50×1.5	Φ50.4	37.0	42.0	14	34	55	59.7	60	5.5	1



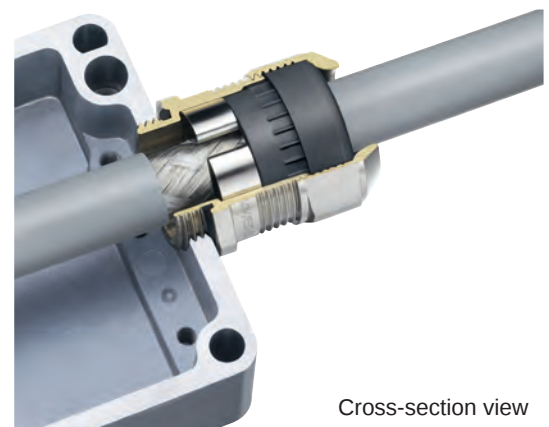
- Optimal contact spring provides excellent shield contact and the smallest possible transfer impedance.
- Clawed lock nut makes a good EMC shield contact possible on conductive enclosures.
- Shape of the contact spring not only allows for a large clamping range to the shield but also enables easy and faster installation and re-installation.
- 2-piece detachable sealing inserts can be adapted to the wider existing cable diameter on site.
(AGE12 available only with 1-piece sealing insert)

Technical Data

Protection class : IP68 2bar / 30min, IP69K
Operating temperature : -60°C ~ +100°C
Compliant with IEC62444 Var. A

Cable Range

No.	Sealing insert type	
	Assembled	Detached
AGE16-10.5	Φ 6 ~ Φ 7.5	Φ 7.5 ~ Φ10.5
AGE20-15	Φ 8 ~ Φ10.5	Φ10.5 ~ Φ15
AGE25-20	Φ12.5 ~ Φ15	Φ15 ~ Φ20
AGE32-25	Φ17 ~ Φ20	Φ20 ~ Φ25



Cross-section view

Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing insert	TPE	Black
3	Connector	Brass	Nickel plated
4	Contact spring	Stainless steel	Unfinished
-	O-Ring	NBR	Black
5	Lock-nut	Brass	Nickel plated

INSTALLATION Instruction



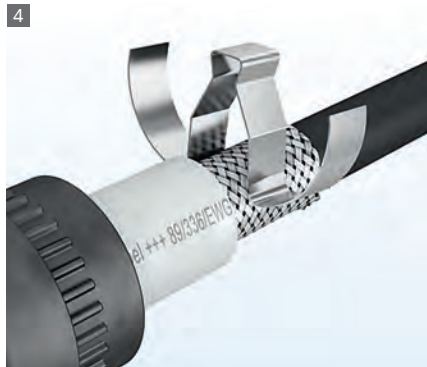
Remove the contact spring from the connector.



Install the connector onto the enclosure.



Strip the cable.



Clip the contact spring on the shielded cable.



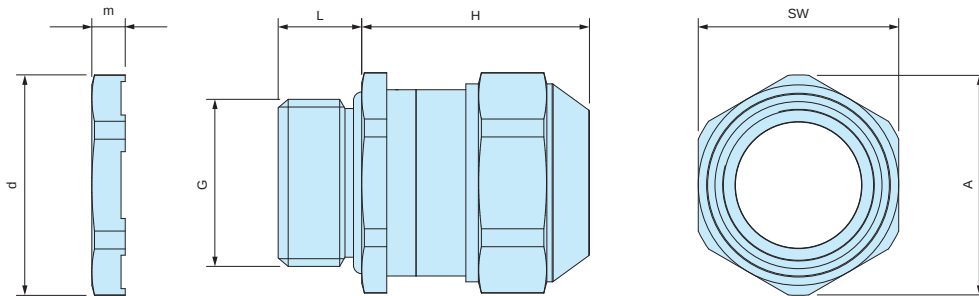
Pass the cable through the sealing insert and cap.



Tighten the cap to complete.

AGE dimensions

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



Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGE12-5	M12×1.5	Φ12.2	3.5	5.0	10	22	15	16.5	16.5	3.5	1
AGE12-6.5	M12×1.5	Φ12.2	5.0	6.5	10	22	15	16.5	16.5	3.5	1
AGE16-10.5	M16×1.5	Φ16.2	6.0	10.5	10	25	18	20	21	3.5	1
AGE20-15	M20×1.5	Φ20.2	8.0	15.0	10	27	24	26.5	26.5	4	1
AGE25-20	M25×1.5	Φ25.2	12.5	20.0	11	33	30	33	33	4	1
AGE32-25	M32×1.5	Φ32.3	17.0	25.0	13	34	36	39.5	39.5	5	1



- Economical metal cable gland.
- Equivalent to IP67 protection class.
- Wide selection available from M12 ~ M32.

Technical Data

Protection class : Equivalent to IP67*
Operating temperature : -20°C ~ +80°C

*In-house test

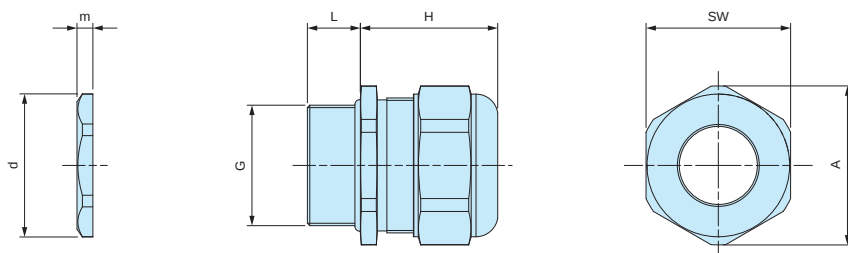


Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing Insert	TPE	Black
3	Connector	Brass	Nickel plated
—	O-ring	NBR	Black
4	Lock Nut	Brass	Nickel plated

RMC dimensions

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

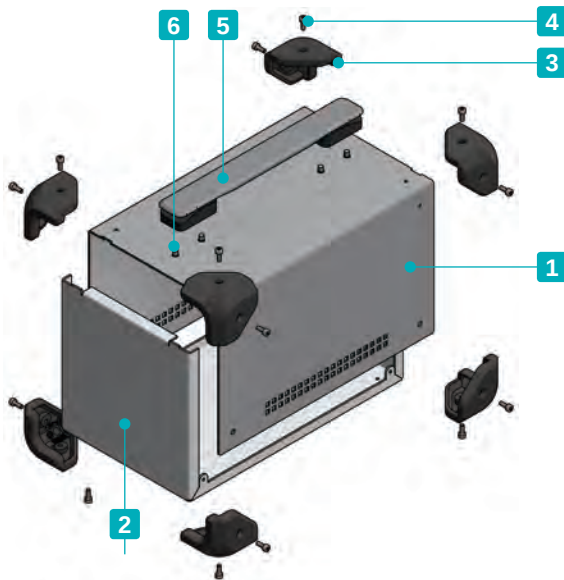


Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
RMC12-6.5	M12×1.5	Φ12.2	5	6.5	10	18	15	16.5	15.4	2.5	1
RMC12-7.5	M12×1.5	Φ12.2	6.5	7.5	10	18	15	16.5	15.4	2.5	1
RMC16-8	M16×1.5	Φ16.2	6.5	8	10	23	18	19.7	19.7	2.8	1
RMC16-10.5	M16×1.5	Φ16.2	8	10.5	10	23	18	19.7	19.7	2.8	1
RMC20-11	M20×1.5	Φ20.2	9.5	11	10	23.5	24	26.4	24.2	3.2	1
RMC20-14.5	M20×1.5	Φ20.2	11	14.5	10	23.5	24	26.4	24.2	3.2	1
RMC25-16	M25×1.5	Φ25.2	14	16	11	28.5	30	33	29.7	3.3	1
RMC25-19	M25×1.5	Φ25.2	16	19	11	28.5	30	33	29.7	3.3	1
RMC32-21	M32×1.5	Φ32.3	18	21	13	30.5	36	39.6	37.4	3.5	1
RMC32-25.5	M32×1.5	Φ32.3	21	25.5	13	30.5	36	39.6	37.4	3.5	1



- Aluminium case equipped with shockproof and anti-slip elastomer corner guards.
- Suitable to be used as a fanless PC, power supply, power storage device etc.
Carrying handle can withstand a maximum load up to 30.0 kg.
- Corner guards are available in 4 different color variations.
- Custom sizes available.



- Aluminium case and corner guard with screw fastening.



Included screws
Case / Corner guard - M4-8 Hexagonal x 16 or 18 pcs
Carrying handle - M5-8 x 4 pcs
※Hexagonal wrench included.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Steel SECC t=10	Black / Painted
			Aluminium A1100P t=1.5	Metallic silver / Painted (Conductive inside)
2	Base	1	Aluminium A1050P t=1.5	Black / Painted
			Aluminium A1100P t=1.5	Metallic silver / Painted (Conductive inside)
3	Corner guard	8	TPE	Black • Gray • Navy • Red
4	Case / Corner guard screw	16 / 18	Steel	Black trivalent chromate
5	Carrying handle	1	PU • PA6 • ABS • Steel	Black • Gray
6	Carrying handle screw	4	Steel	Trivalent chromate

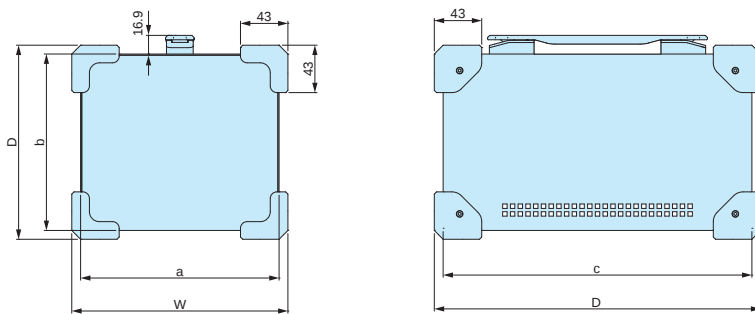
- Top cover and base are covered with a protective film on one side.

Color Type

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

MCG dimensions

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



Product no. / Dimensions

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

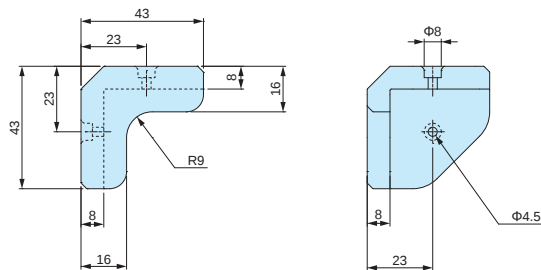
Product no.	W	H	D	a	b	c	Weight (kg)	
							[B][] models	[S][] models
MCG14-14-23[][]	156	156	246	140	140	230	1.2	0.9
MCG18-16-28[][]	196	176	296	180	160	280	1.8	1.3
MCG21-14-24[][]	226	156	256	210	140	240	1.6	1.2
MCG26-18-30[][]	276	196	316	260	180	300	2.3	1.6

Accessories (Optional parts)

MG-1 CORNER GUARD



MG-1 dimensions



- Corner guard part for MCG case.
- Corner guard can be installed on enclosures other than MCG series.
- M4 thread holes are required for installation.
- Available in 4 different color variations.

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

Components

No.	Part name	Material
1	Corner guard	TPE
2	Screw (M4-8 Hexagonal)	Steel

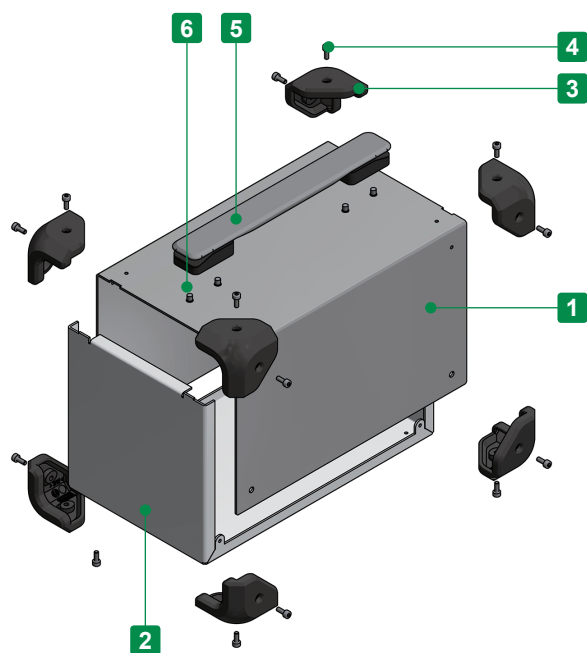
Product no. / Details

Product no.				Weight (g)	Pack of
Black	Gray	Navy	Red		
MG-1B	MG-1G	MG-1N	MG-1R	124	8

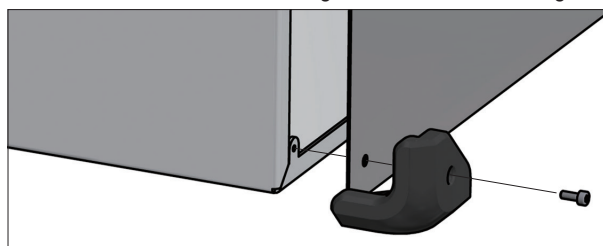
Included screw : M4-8 Hexagonal : Steel : Black trivalent chromate x 18 pcs + Hexagonal wrench



Conductive



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



Components

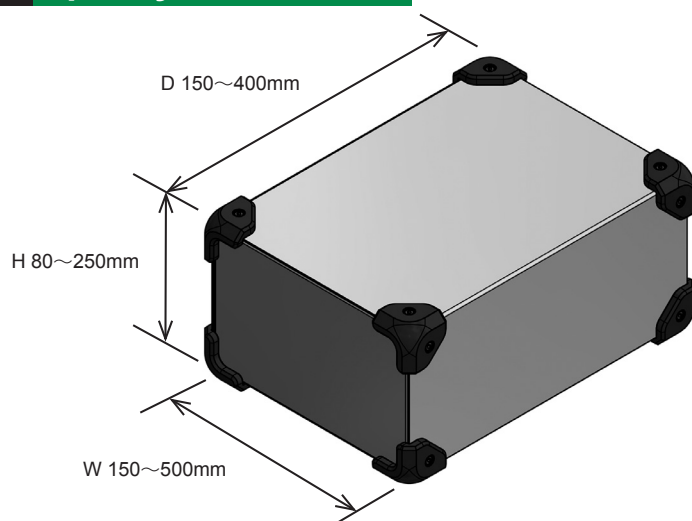
No.	Part name	Pcs	Material	Color / Finish
1	Top Cover	1	Stainless steel SUS304	Bright annealed (BA)
2	Base	1	Stainless steel SUS304	Bright annealed (BA)
3	Corner guard	8	TPE	Black • Gray • Navy • Red
4	Case / Corner guard screw (Hexagonal M4-8)	16 / 18 / 20	Stainless steel	Unfinished
5	Carrying handle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

■ Hexagonal wrench included.

■ No. 5 and 6 are available for carrying handle types only.

1 Specify Dimensions

Specify dimensions in 1mm intervals.



Caution

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

2 Select Color Type

Code	B Black	G Gray	N Navy	R Red
Color				

3 Select Handle Type

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

Black handle [B]



Gray handle [G]



No handle [N]



Confirm Product No.

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

Product no. MCGS

- - -
 W H D Color code Handle Type

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

MCGS 222 - 111 - 333 R - B

Lead time

Custom Size Only
Custom Size + Hole Milling

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

Order Inquiry

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

MCGS Size Chart

Refer to the below chart for available sizes.

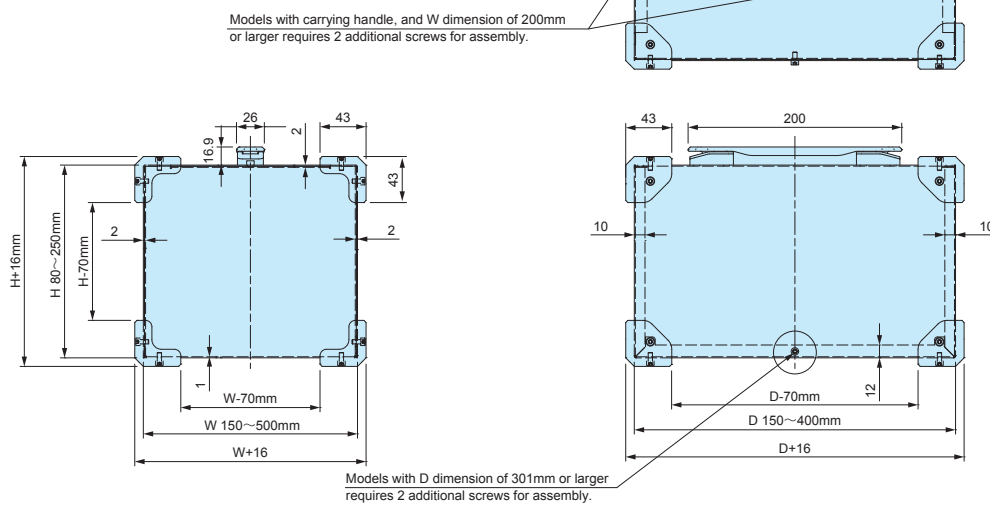
■ [—] sizes are not available.

■ Models with carrying handle, and W dimension of 200mm or larger requires 2 additional screws for assembly.

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

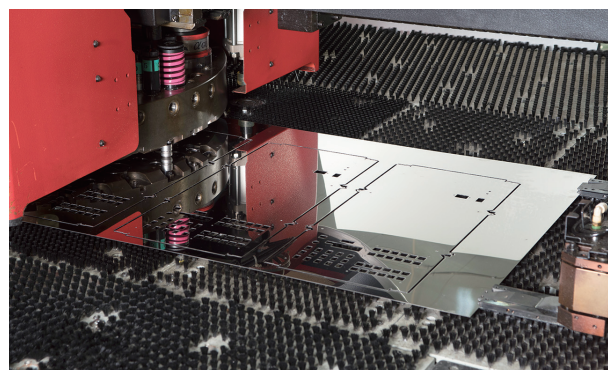
■ Carrying handle model is not available for D length of 224mm and smaller.

MCGS dimensions

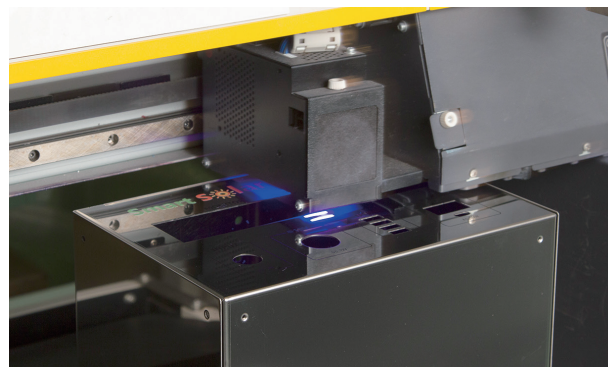


CUSTOMIZATION EXAMPLE

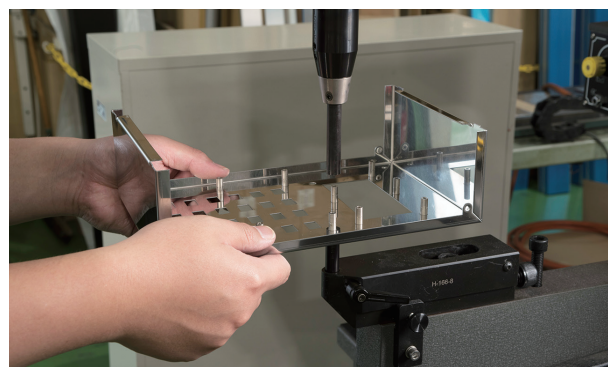
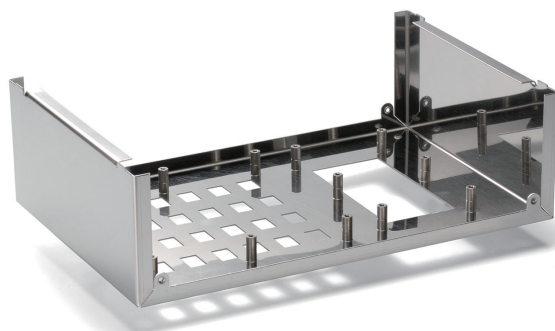
PUNCH PRESS



INKJET PRINTING



SELF CLINCHING STANDOFF

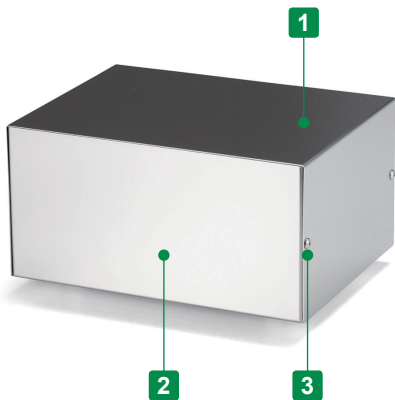


MBS SERIES

CUSTOM SIZED STAINLESS STEEL ENCLOSURE



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



CUSTOMIZED EXAMPLE

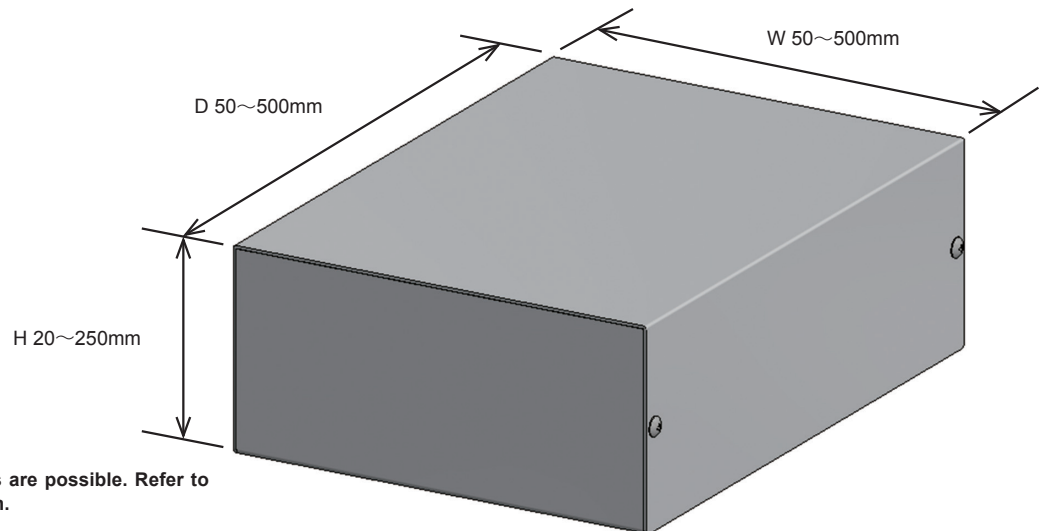


Components

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

1 Specify Dimensions

Specify dimensions in 1mm intervals.



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

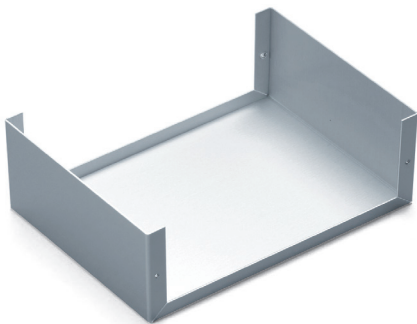
■ Panel thickness and base types vary by W / H / D dimensions.

Refer to the chart on page MBS-3 for A08, B10 or B12 type selection by W, H & D dimensions.

Base Type A

[A08] Type

W : 200 • H : 100 • D : 500 or smaller
Type A : Standard • Panel thickness : 0.8mm



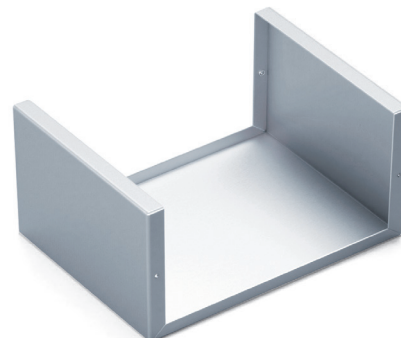
Base Type B

[B10] Type

W : 300 • H : 225 • D : 400 or smaller
Type B : Reinforced • Panel thickness : 1.0mm

[B12] Type

W : 500 • H : 250 • D : 500 or smaller
Type B : Reinforced • Panel thickness : 1.2mm



Confirm Product No.

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

Product no. MBS

122	-	70	-	130		A		08
W		H		D		Base type		Panel thickness

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

Lead time

Custom Size Only
Custom Size + Hole Milling

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

Order Inquiry

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

MBS Type Chart

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

[A08] Type

Standard • Panel thickness : 0.8mm

[B10] Type

Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm

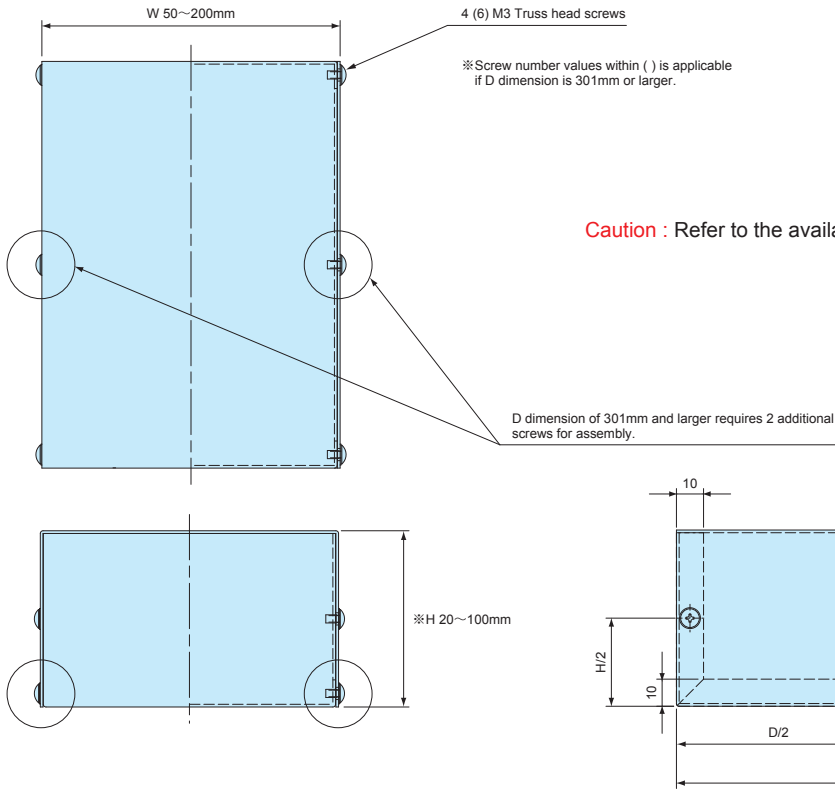
■ [—] sizes are not available.

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

MBS dimensions

[A08] Type

Standard • Panel thickness : 0.8mm

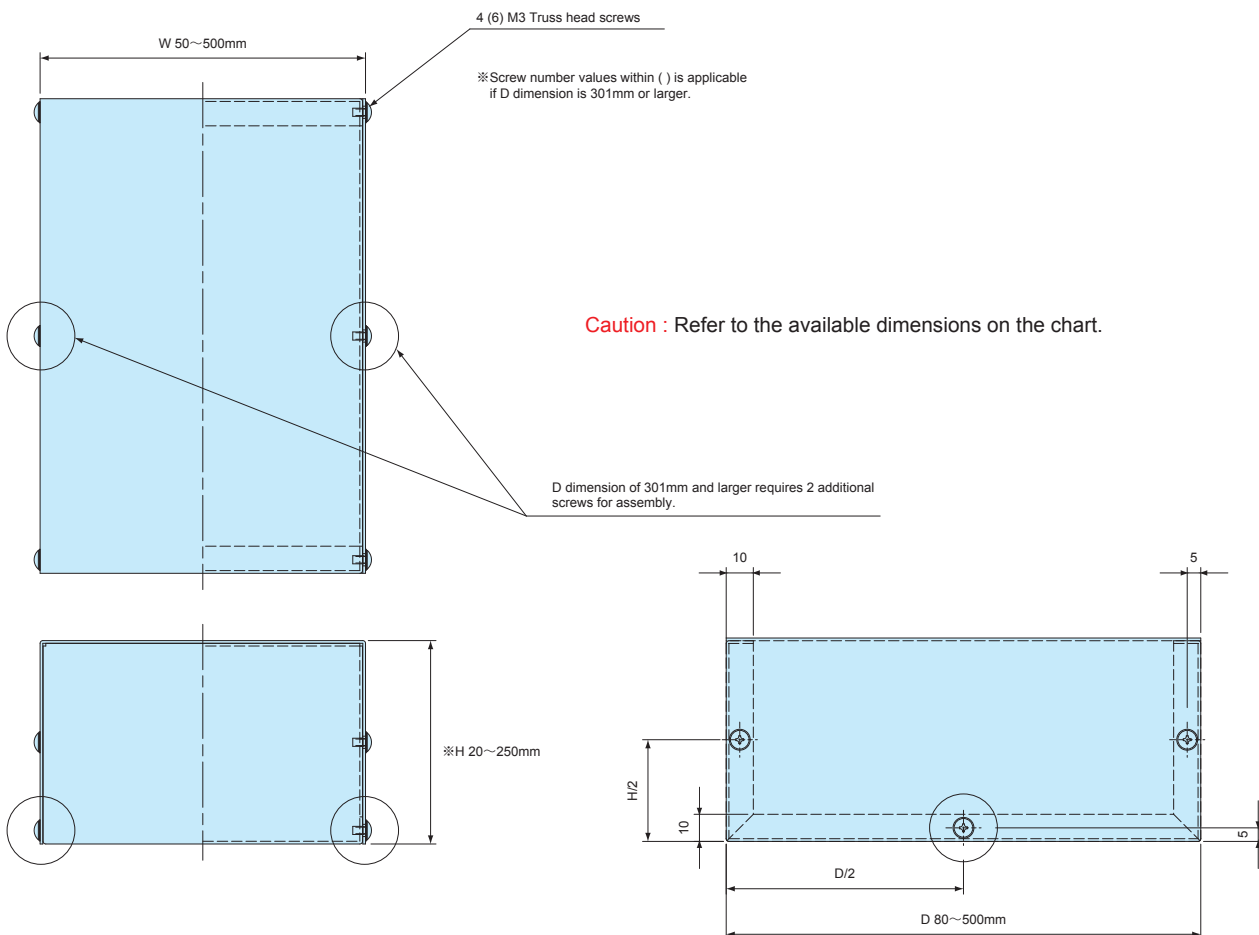


[B10] Type

Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm



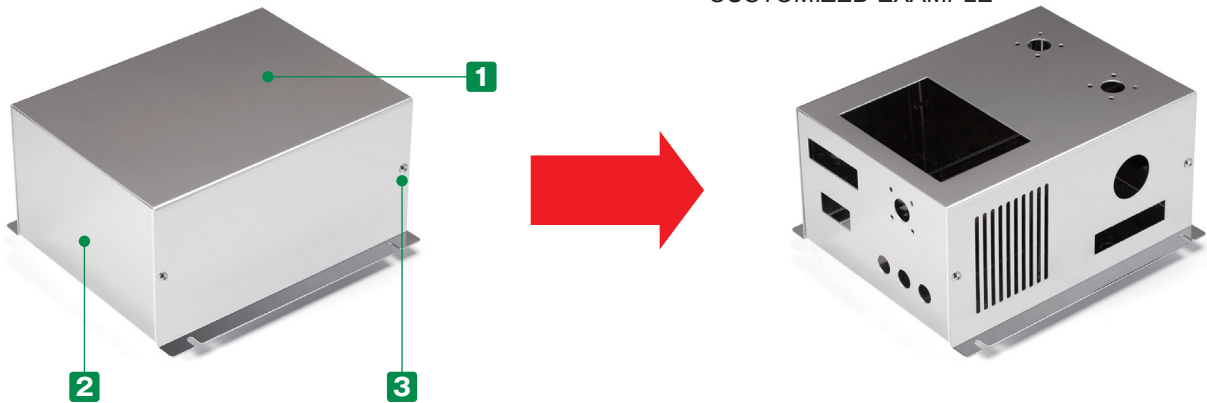
MBSF SERIES

CUSTOM SIZED FLANGED STAINLESS STEEL ENCLOSURE



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

CUSTOMIZED EXAMPLE

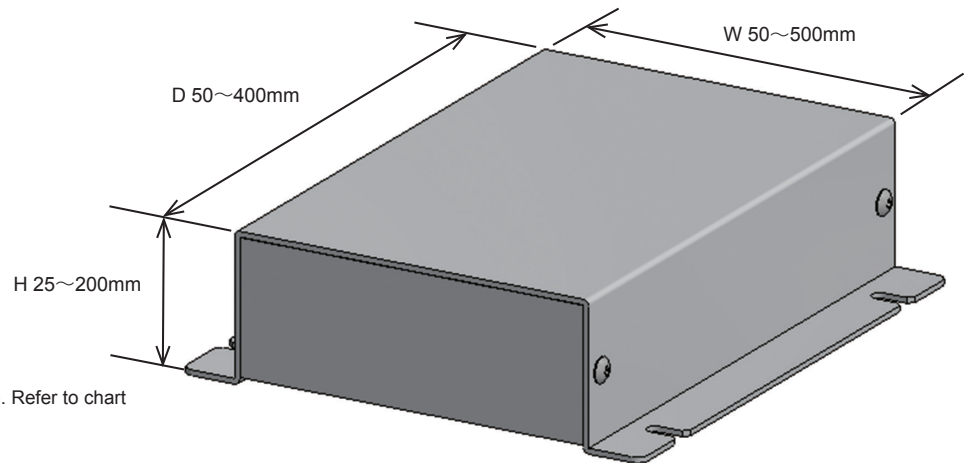


Components

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

1 Specify Dimensions

Specify dimensions in 1mm intervals.



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

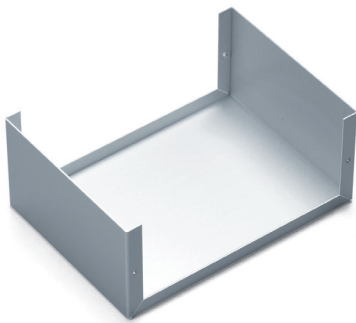
■ Panel thickness and base types vary by W / H / D dimensions.

Refer to the chart on page MBS-3 for A08, B10 or B12 type selection by W, H & D dimensions.

Base Type A

[A10] Type

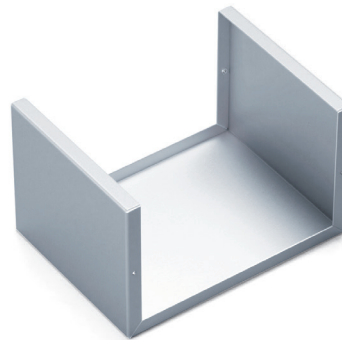
W : 200 • H : 100 • D : 400 or smaller
Type A : Standard • Panel thickness : 1.0mm



Base Type B

[B10] Type

W : 300 • H : 200 • D : 400 or smaller
Type B : Reinforced • Panel thickness : 1.0mm



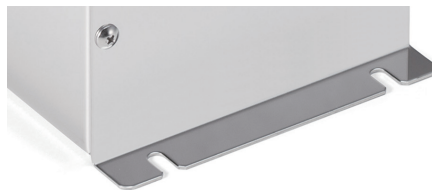
[B12] Type

W : 500 • H : 200 • D : 400 or smaller
Type B : Reinforced • Panel thickness : 1.2mm

2 Select Flange-hole Type



2 (1 on each side)



4 (2 on each side)

Confirm Product No.

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

Product no. MBSF

155

W

80

H

200

D

A

Base type

10

Panel thickness

4

Flange hole

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

Lead time

Custom Size Only

9 business days (1 ~ 3 pcs)

Custom Size + Hole Milling

10 business days (1 ~ 3 pcs)

Order Inquiry

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

MBSF Type Chart

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

[A10]Type

Standard • Panel thickness : 1.0mm

[B10]Type

Reinforced • Panel thickness : 1.0mm

[B12]Type

Reinforced • Panel thickness : 1.2mm

■ [—] sizes are not available.

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

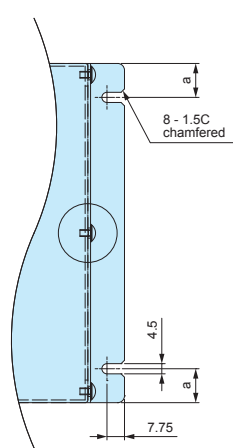
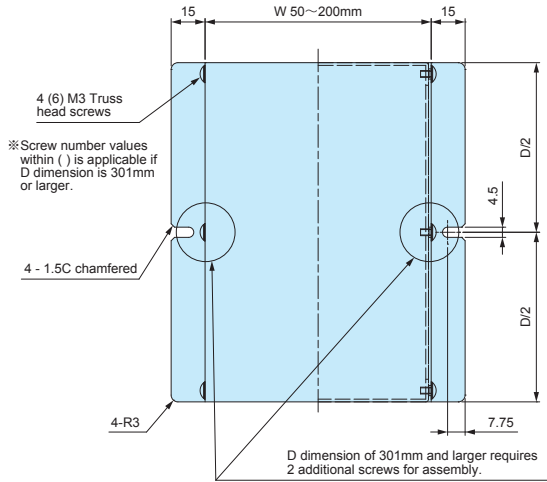
MBSF dimensions

[A10] Type

Standard • Panel thickness : 1.0mm

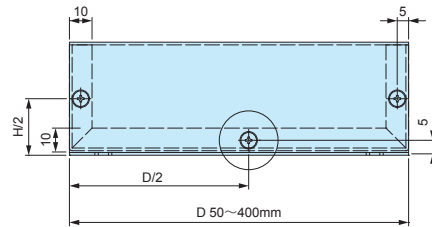
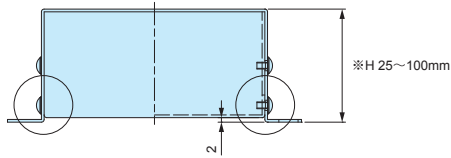
2-hole flange type

4-hole flange type



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

Caution : Refer to the available dimensions on the chart.



[B10] Type

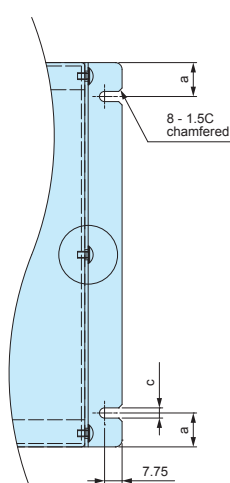
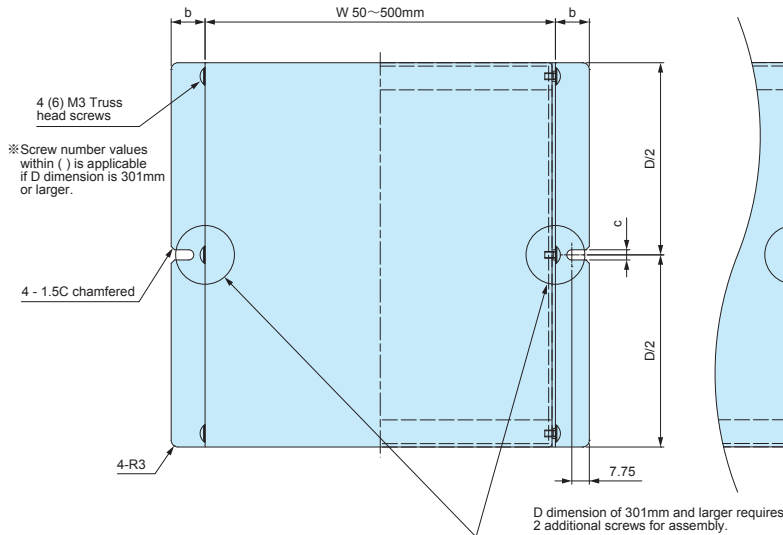
Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm

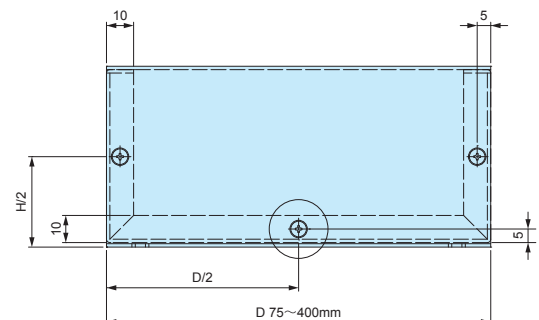
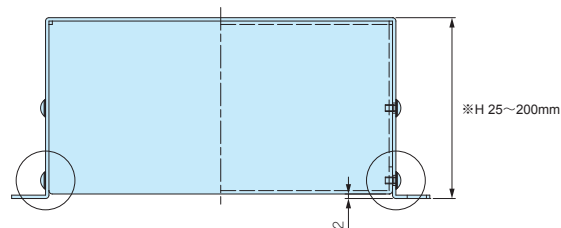
2-hole flange type

4-hole flange type



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

Caution : Refer to the available dimensions on the chart.



LASER CUTTING

Laser cutting utilizes a laser to perform cutting on an object, allowing various types and shapes of holes to be cut.

New fiber laser machine allows the processing of aluminium sheets with both high precision and speed. Processing of Pure Aluminium 1050 is also possible with minimal burr as compared to conventional CO² laser machines, which causes excessive burring.

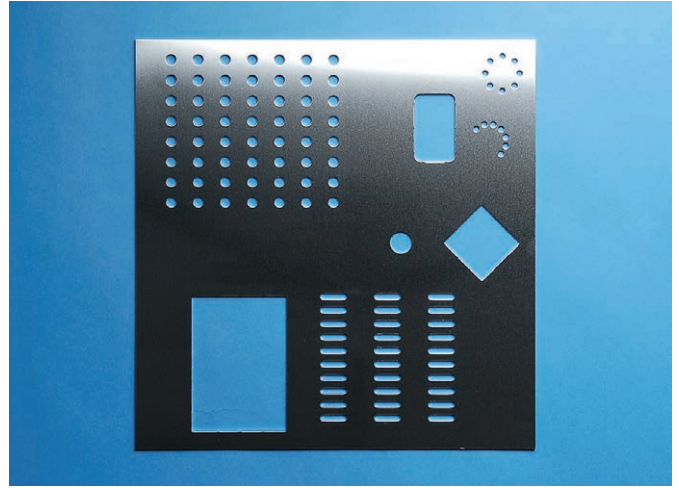
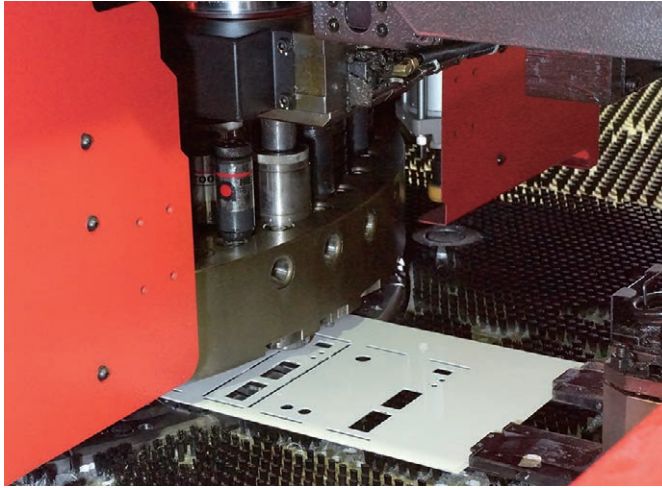


PUNCHING PRESS

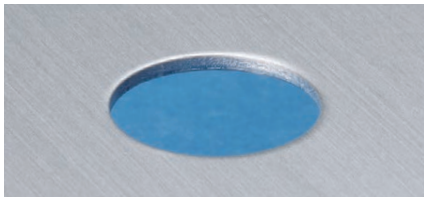
What is punching press? It is a type of machine press used to cut holes in material via the use of various sized die sets.

Punching press allows the realization of high cost performance due to its high speed automated turret punching process, which significantly reduces machining lead-time.

Due to its ability to create designated sized holes by means of rapid multiple hole punches, this enables it to punch holes of various sizes and types quickly and efficiently.

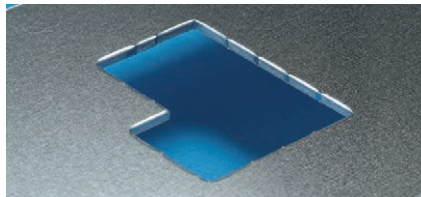


Circular hole



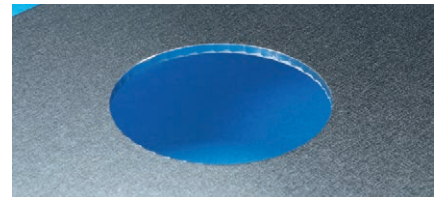
Circular holes as small as 1.0mm in diameter can be punched.

Nibbling press (rectangle)



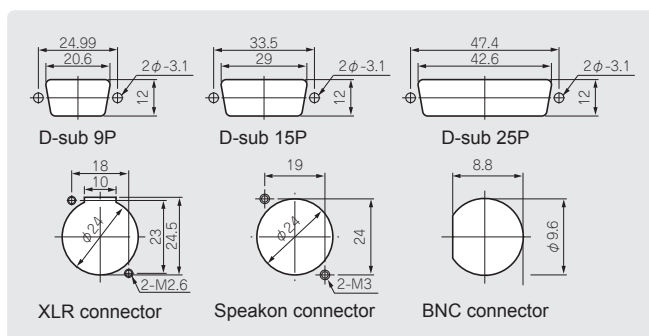
Complex or large rectangular shapes can be punched out with multiple presses.

Nibbling press (round)

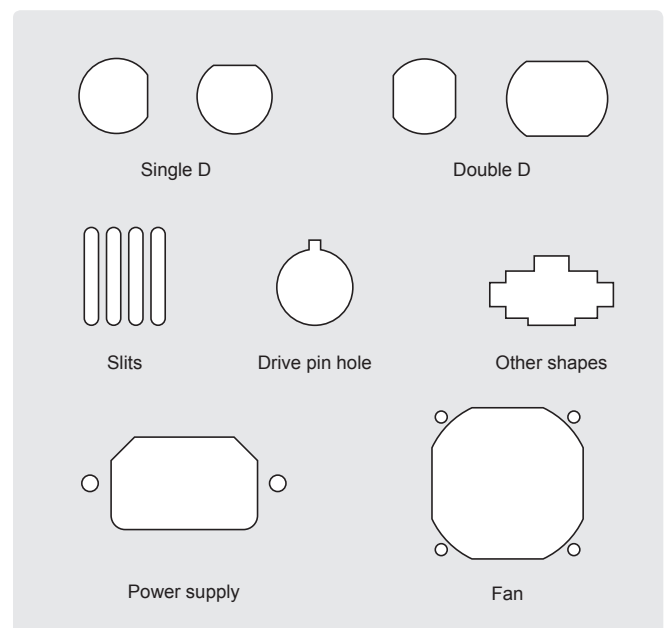


Punching of large circular holes with multiple smaller die strokes.

Common connector shapes



Unique shapes



Burring punch



Increasing surface area on a thin metallic sheet for screw threads to bore into.

