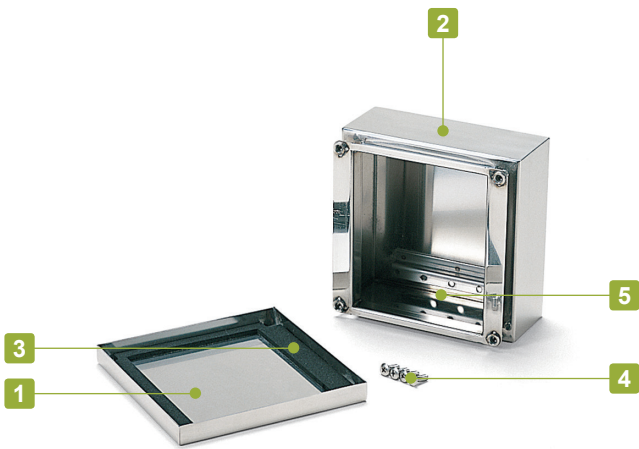


SSB SERIES

IP65 STAINLESS STEEL BOX - SCREWED TYPE



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

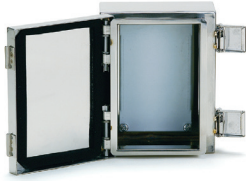


- IP65 enclosure, cover screw type.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.

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)



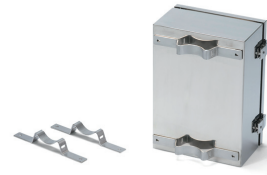
Mounting plate SSC series
See page SSC • FDR-1



Cable gland
See cable gland pages



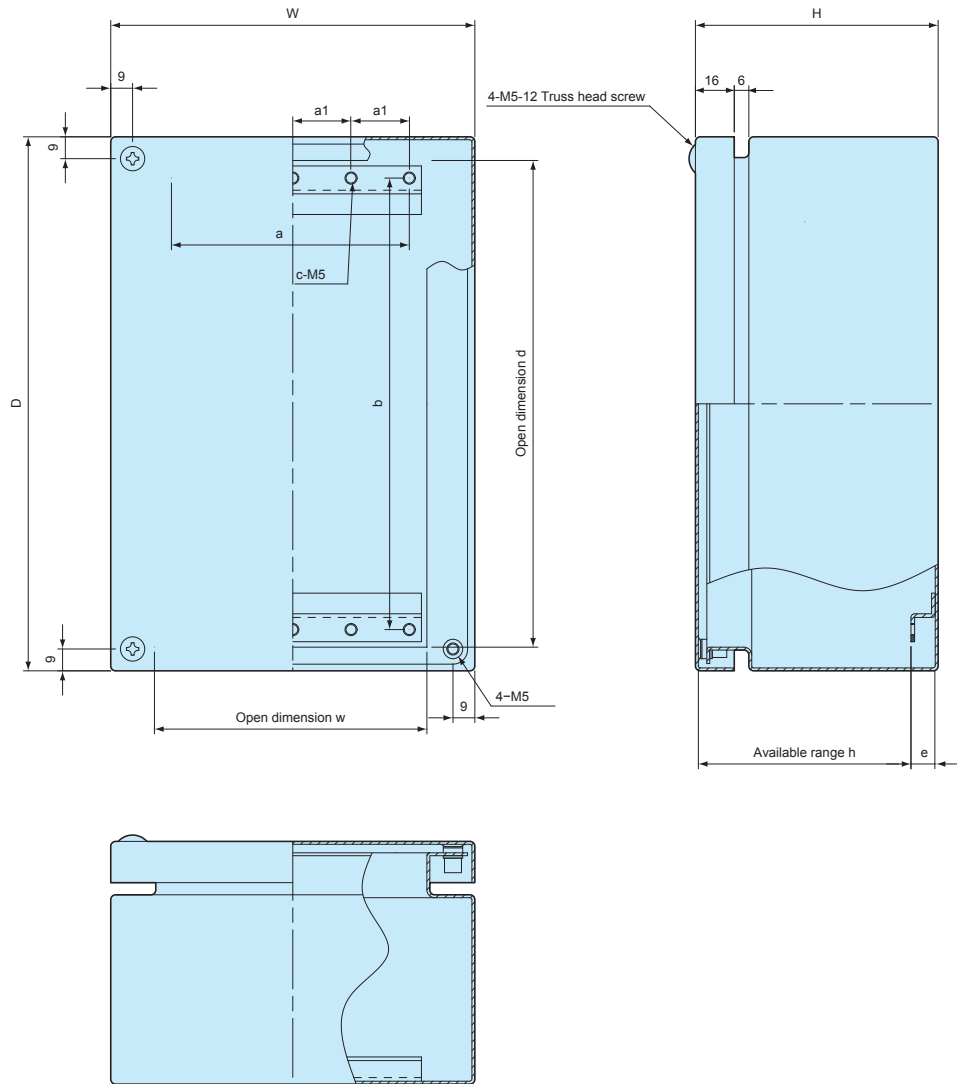
Pole mounting belt PKB series
See page PKB-1



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

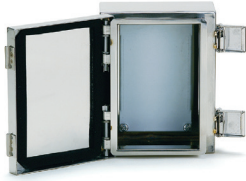
Protection class: IP65
Operating temperature: -40°C ~ +90°C

- 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)



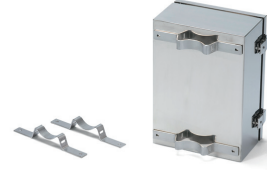
Mounting plate SSC series
See page SSC • FDR-1



Cable gland
See cable gland pages



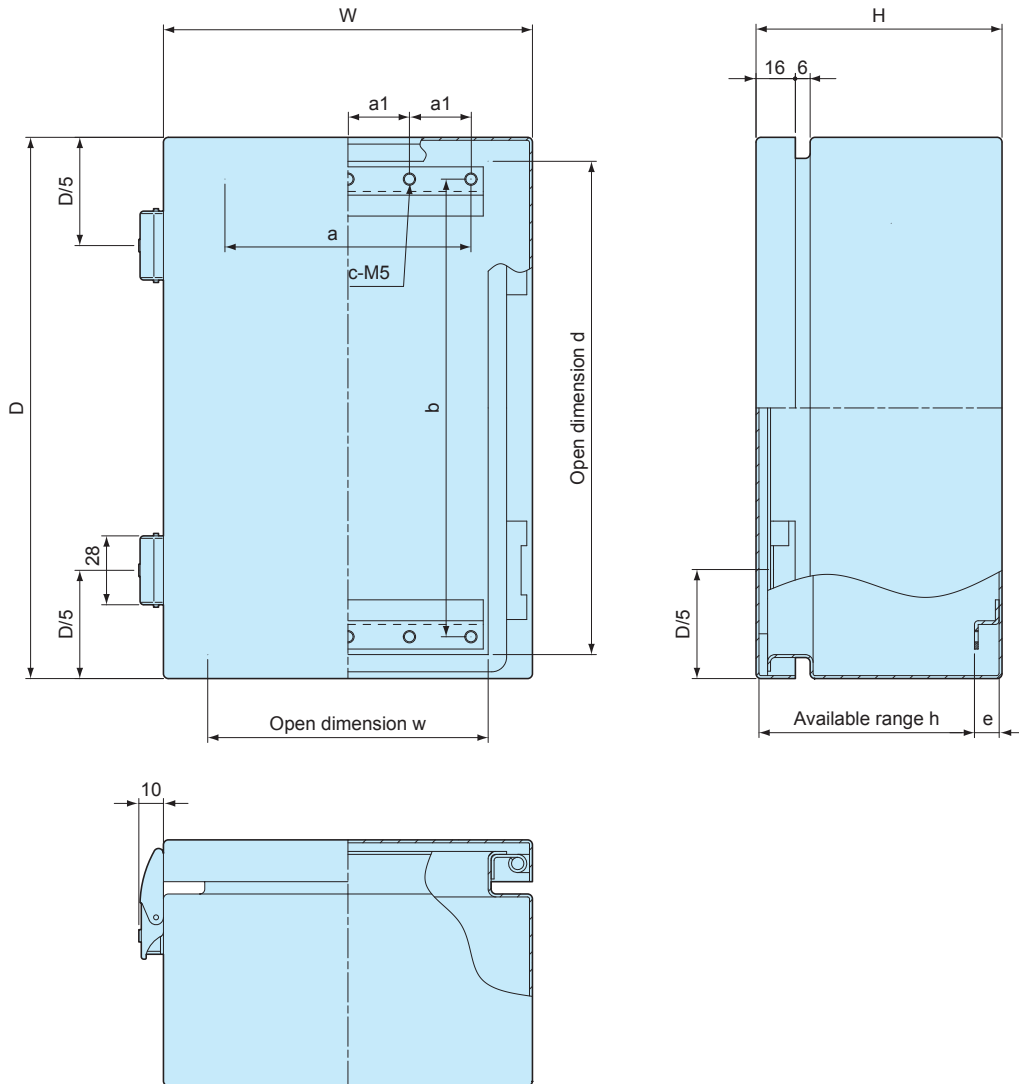
Pole mounting belt PKB series
See page PKB-1



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.

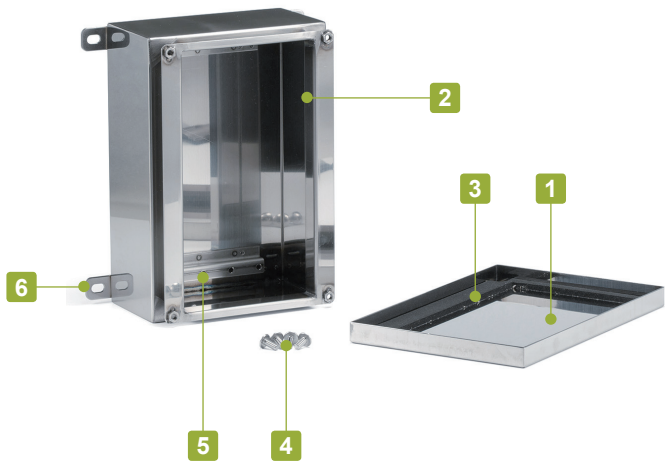
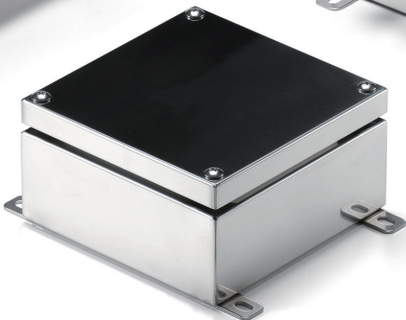


Product no. / Dimensions

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

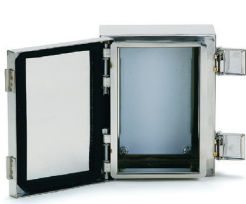
Protection class: IP65
Operating temperature: -40°C ~ +90°C
Recommended torque : 2N • m

- 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

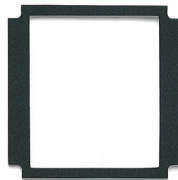
Accessories (Optional parts)



Mounting plate SSC series
See page SSC • FDR-1



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



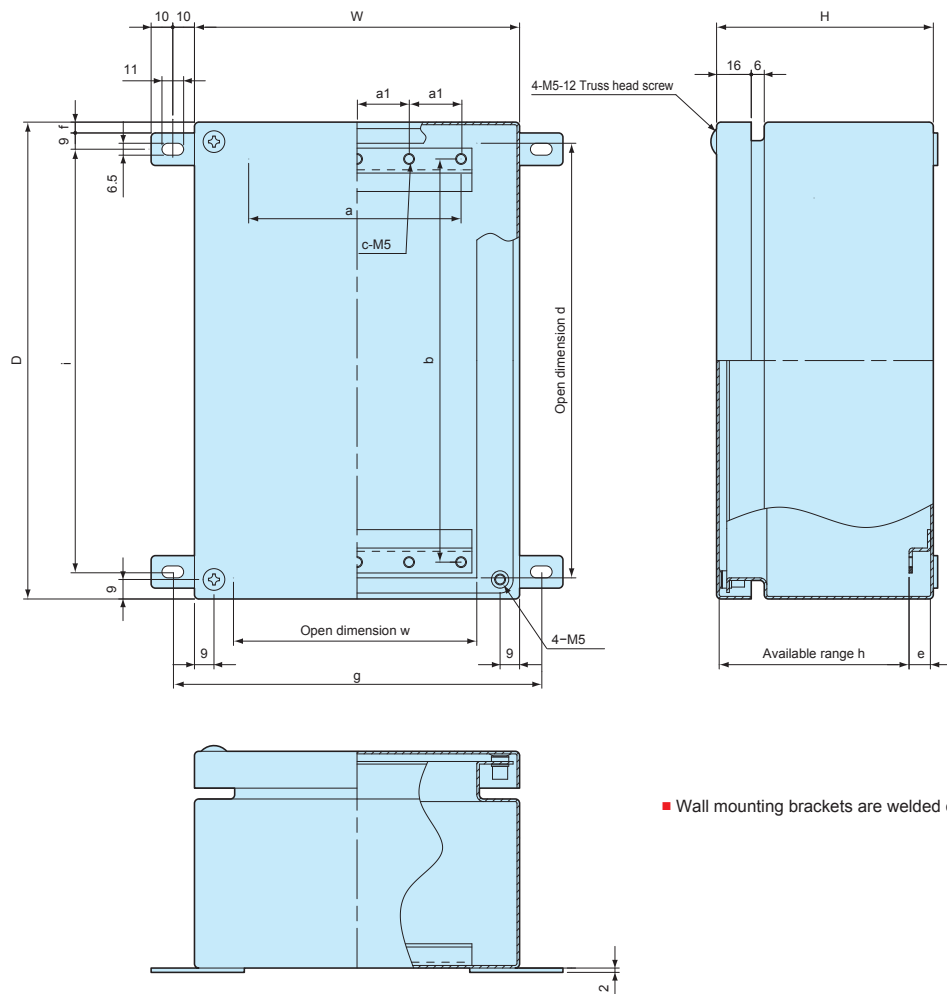
Replacement gasket SSB-G series
See page SSM-G • SSB-G-1



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

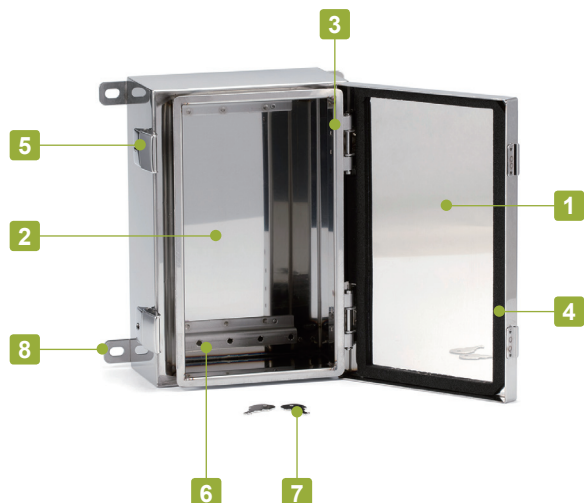
SLM SERIES

IP65 WALL MOUNT STAINLESS STEEL BOX - LATCH-HINGED



Technical Data

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

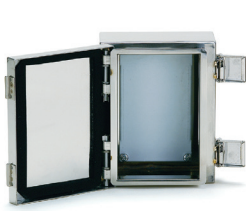


- IP65 wall mount enclosure with easy open/close key latch/hinge.
- Made of stainless steel (SUS304) for superior weather and corrosion resistance.
- Conductive box for EMC shielding.
- Polished finish.
- Key latch for tamper-proof resistance
- Equipped with wall mounting brackets.

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

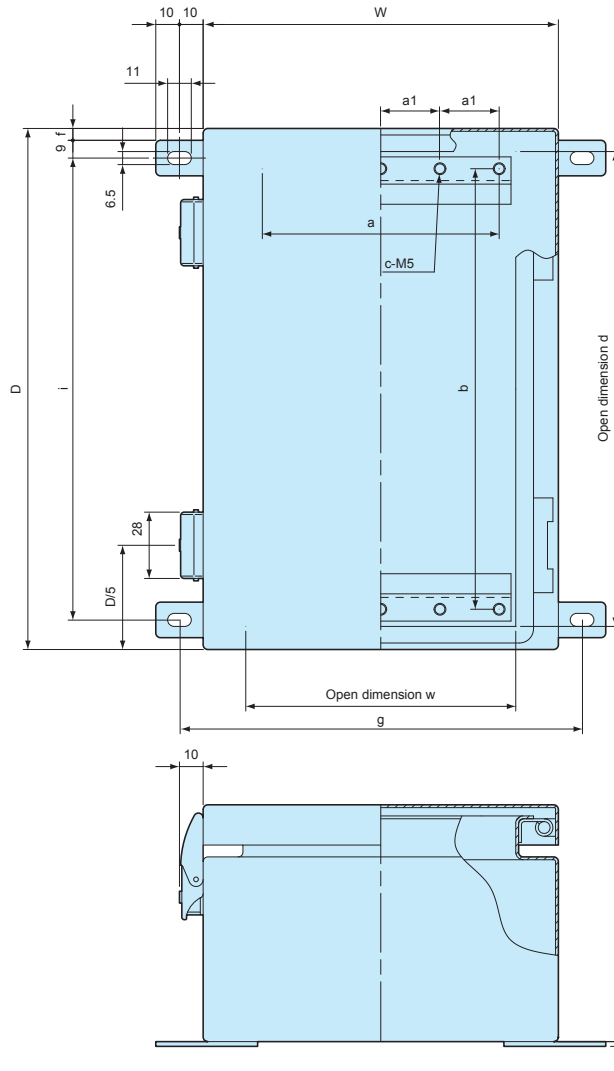


Replacement gasket SSM-G series
See page SSM-G • SSB-G-1

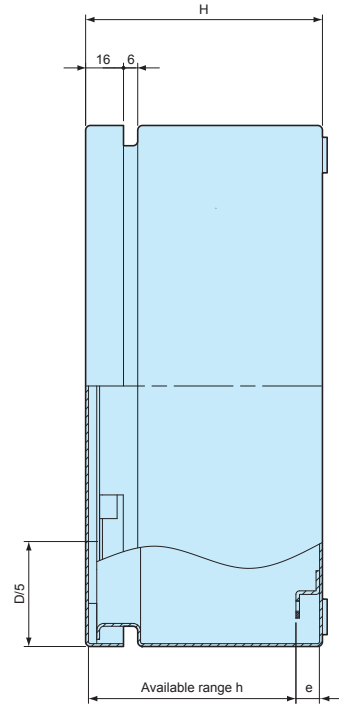


Cable gland
See cable gland pages

SLM dimensions



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



■ Wall mounting brackets are welded on.

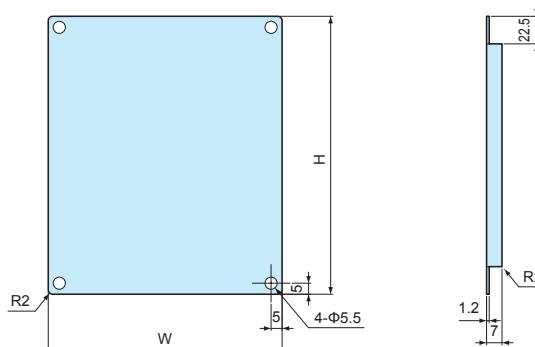
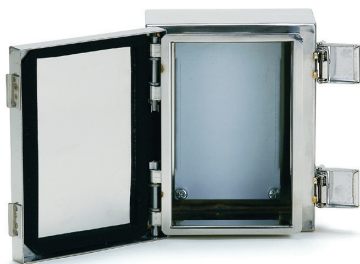
Product no. / Dimensions

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

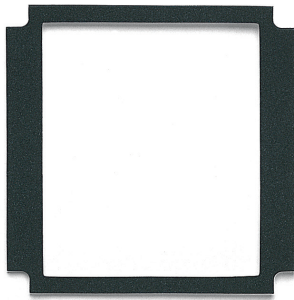
SSM-G SERIES**GASKET for SSM • SLM**

■ 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.

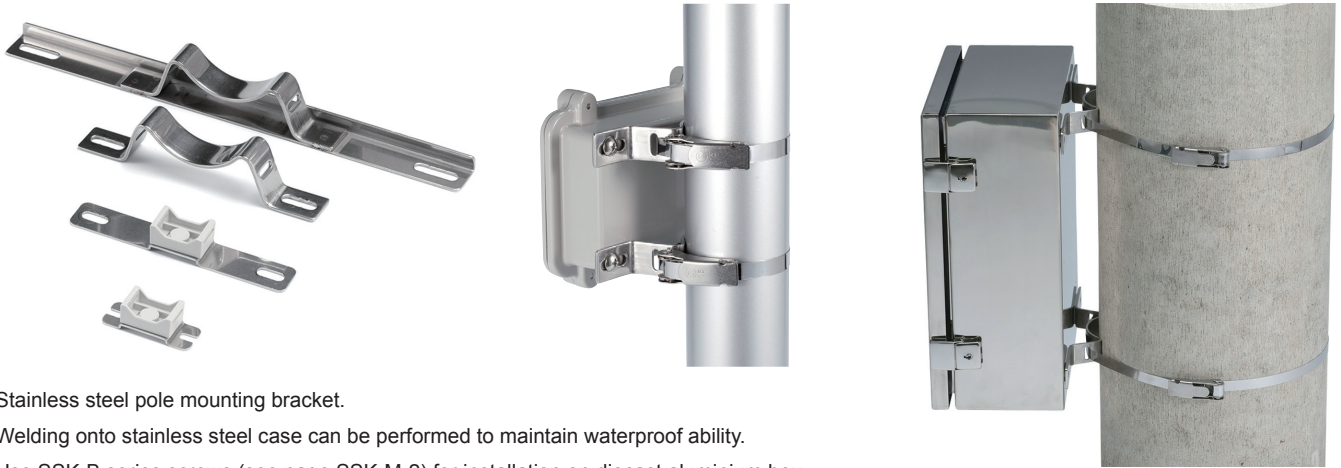
Product no. / Dimensions

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

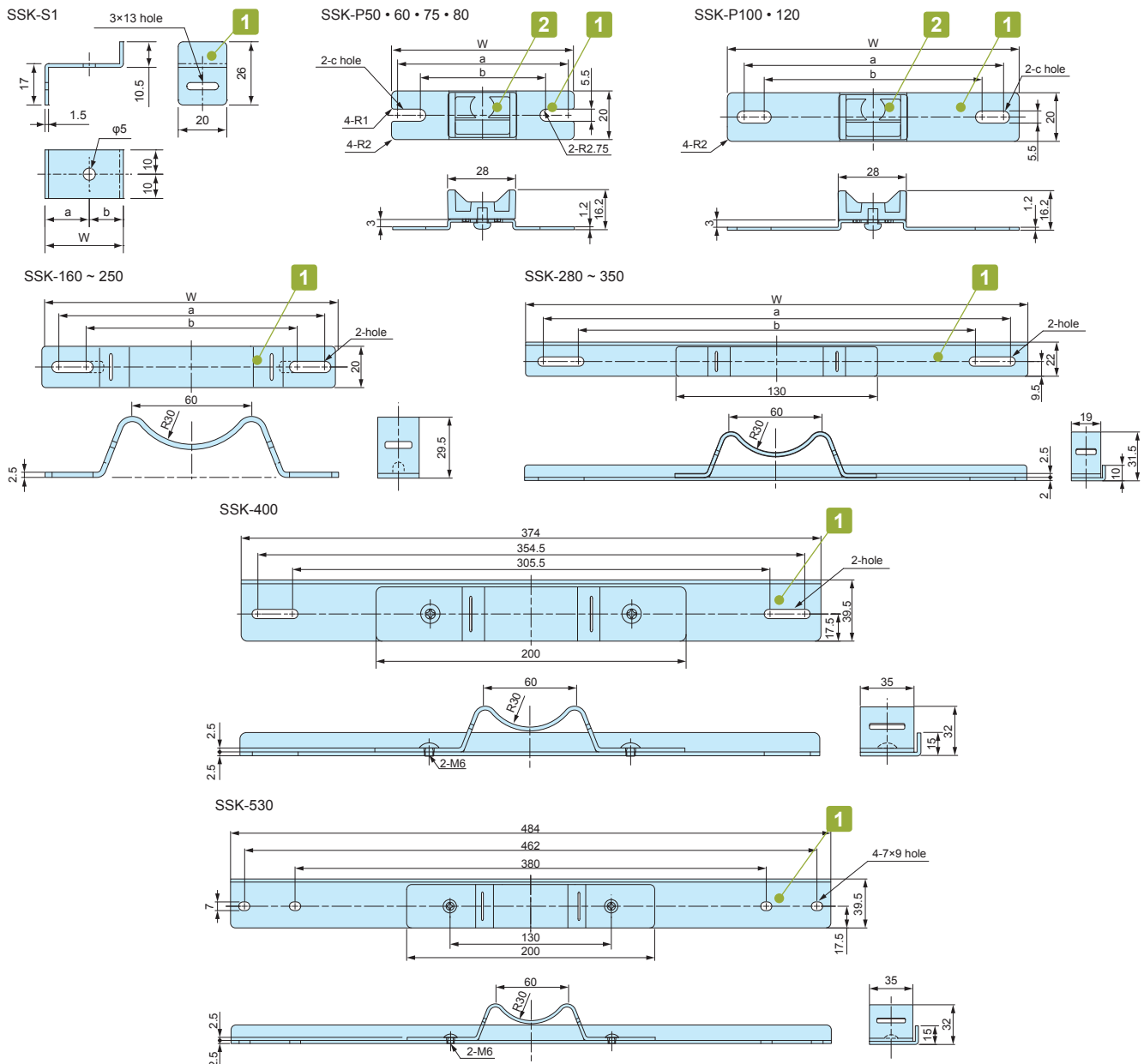
POLE MOUNTING BRACKET



- Stainless steel pole mounting bracket.
- Welding onto stainless steel case can be performed to maintain waterproof ability.
- Use SSK-B series screws (see page SSK-M-2) for installation on diecast aluminium box.
- Use PKB mounting belt (see page PKB-1) for installation onto a pole.

SSK dimensions

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



Components

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

Product no. / Dimensions

Product no.	W	a	b	c	Suitable mounting belt	Pack of
SSK-S1	32.25	18.25	14	—	PKB-10PM, 10P, PKB-10S	4
SSK-P50	50	44.5	37.5	5.5× 9	PKB-10PM, 10P, PKB-10S	2
SSK-P60	60	54.5	47.5	5.5× 9	PKB-10PM, 10P, PKB-10S	2
SSK-P75	75	69.5	55.5	5.5×12.5	PKB-10PM, 10P, PKB-10S	2
SSK-P80	80	74.5	64.5	5.5×10.5	PKB-10PM, 10P, PKB-10S	2
SSK-P100	100	88.1	76.5	5.5×11.3	PKB-10PM, 10P, PKB-10S	2
SSK-P120	120	106.5	88.5	5.5×14.5	PKB-10PM, 10P, PKB-10S	2
SSK-160	142	129.5	106.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-170	152	142.3	101	—	PKB-10PM, 10P, PKB-10S	2
SSK-200	174	161.5	112.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-210	192	180.5	131.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-250	230	215.5	166.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-280	260	244.5	195.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-300	280	264.5	215.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-350	324	302.5	253.5	—	PKB-10PM, 10P, PKB-10S	2
SSK-400	374	354.5	305.5	—	PKB-20S	2
SSK-530	484	462	380	7×9	PKB-20S	2

SSK-B SERIES

MOUNTING SCREW SET for SSK

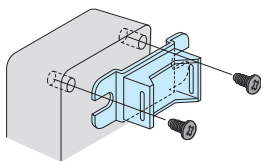
- Mounting screw set for use with SSK pole mounting bracket.
- See below chart for appropriate screw / box combination.
- Material / Finish : Stainless steel / Unfinished.

Product no. / Dimensions

Product no.	Included screws	Suitable box	Pcs
SSK-B4-15N	M4-15 Pan head with nut	AW5-4-7 ~ AW8-5-18	4
SSK-B4-25N	M4-25 Pan head with nut	BDN9-9-6, BDN10-14-7	4
SSK-B5-8T	M5-8 Binding head tapping	HQ series	4
SSK-B5-15N	M5-15 Pan head with nut	AW9-9-10 ~ AW21-9-31	4
SSK-B5-25N	M5-25 Pan head with nut	BDN12-22-8, BDN16-26-9	4

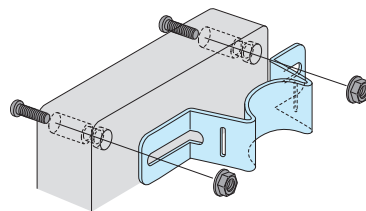
■ Installation Example

M5 thread fastening



SSK-B5-8T

M4/M5 Pan head with nut fastening



SSK-B4-15N SSK-B4-25N
 SSK-B5-15N SSK-B5-25N
 SSK-B5-35N SSK-B6-40N

POLE MOUNTING BRACKET / SCREW SET MATCHING CHART

BDN series

Box Product no.		SSK Product no.		Screw set Product no.
		Vertical mount	Horizontal mount	
BDN	9-9-6	SSK-P75	SSK-P100	SSK-B4-25-N
	10-14-7	SSK-P80	SSK-160	SSK-B4-25-N
	12-22-8	SSK-P100	SSK-250	SSK-B5-25-N
	16-26-9	SSK-160	SSK-280	SSK-B5-25-N

HQ series

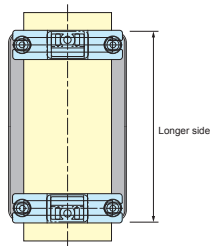
Box Product no.		SSK Product no.		Screw set Product no.
		Vertical mount	Horizontal mount	
HQ	10-10-5 • 10-10-7	SSK-P50	—	SSK-B5-8T
	15-10-5 • 15-10-8	SSK-P80	SSK-160	SSK-B5-8T
	15-11-3	SSK-P100	SSK-160	SSK-B5-8T
	16-16-6 • 16-16-8	SSK-170	SSK-170	SSK-B5-8T
	19-10-5 • 19-10-7	—	SSK-200	SSK-B5-8T
	20-15-3 • 20-15-5 • 20-15-9	SSK-160	SSK-210	SSK-B5-8T
	26-18-6	SSK-200	SSK-280	SSK-B5-8T
	27-17-7 • 27-17-10	SSK-170	SSK-280	SSK-B5-8T

SSM • SSB series ■ Installation should be done by welding.

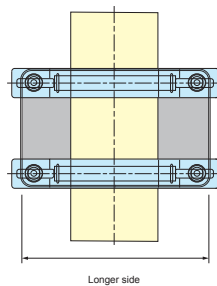
Box Product no.				SSK Product no.	
				Vertical mount	Horizontal mount
SSM SSB	121508			SSK-S1	—
	151508	152206	152210	SSK-160	—
	202010	202806		SSK-210	—
	202812	223312			
	304015			SSK-300	—

■ SSK bracket is different depending on mount type (Vertical or Horizontal).

Vertical mount
(Longer vertical side)



Horizontal mount
(Longer horizontal side)



AW series

Box Product no.		SSK Product no.		Screw set Product no.
		Vertical mount	Horizontal mount	
AW	5-4-7	—	SSK-P100	SSK-B4-15N
	5-4-9	—	SSK-P120	SSK-B4-15N
	5-4-11	—	SSK-160	SSK-B4-15N
	5-4-14	—	SSK-200	SSK-B4-15N
	7-7-8	SSK-P50	SSK-P120	SSK-B4-15N
	7-7-11	SSK-P50	SSK-160	SSK-B4-15N
	7-7-15	SSK-P50	SSK-210	SSK-B4-15N
	7-7-20	SSK-P50	SSK-250	SSK-B4-15N
	7-7-25	SSK-P50	SSK-300	SSK-B4-15N
	8-5-9	SSK-P75	SSK-160	SSK-B4-15N
	8-5-12	SSK-P75	SSK-160	SSK-B4-15N
	8-5-14	SSK-P75	SSK-200	SSK-B4-15N
	8-5-18	SSK-P75	SSK-250	SSK-B4-15N
	9-9-10	SSK-P75	SSK-160	SSK-B5-15N
	9-9-13	SSK-P75	SSK-170	SSK-B5-15N
	9-9-17	SSK-P75	SSK-250	SSK-B5-15N
	9-9-22	SSK-P75	SSK-280	SSK-B5-15N
	9-9-28	SSK-P75	SSK-350	SSK-B5-15N
	11-6-11	SSK-P100	SSK-160	SSK-B5-15N
	11-6-15	SSK-P100	SSK-210	SSK-B5-15N
	11-6-19	SSK-P100	SSK-250	SSK-B5-15N
	11-6-24	SSK-P100	SSK-300	SSK-B5-15N
	12-8-11	SSK-P120	SSK-160	SSK-B5-15N
	12-8-14	SSK-P120	SSK-200	SSK-B5-15N
	12-8-17	SSK-P120	SSK-250	SSK-B5-15N
	12-8-22	SSK-P120	SSK-280	SSK-B5-15N
	16-9-14	SSK-160	SSK-200	SSK-B5-15N
	16-9-18	SSK-160	SSK-250	SSK-B5-15N
	16-9-23	SSK-160	SSK-280	SSK-B5-15N
	16-9-28	SSK-160	SSK-350	SSK-B5-15N
	21-9-17	SSK-210	SSK-250	SSK-B5-15N
	21-9-21	SSK-210	SSK-280	SSK-B5-15N
	21-9-26	SSK-210	SSK-350	SSK-B5-15N
	21-9-31	SSK-210	SSK-400	SSK-B5-15N

PKB SERIES

POLE MOUNTING BELT



PKB-10PM, 10P

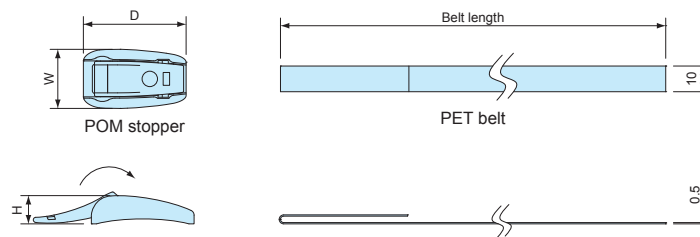


PKB-10S, 20S

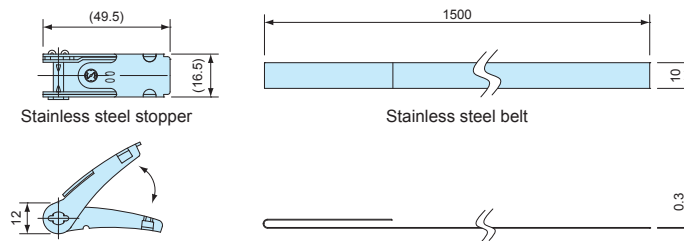
- New shorter belt type PKB-10PM is available for $\phi 25$ to $\phi 60$ mm poles. Other belt types are for $\phi 60$ to $\phi 400$ mm poles.
- Designed for one time use only (not reusable).
- Strong stainless steel clamping type and easy installation plastic type are available.
- Use SSK mounting bracket for installation onto a pole.
- Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.

PKB dimensions

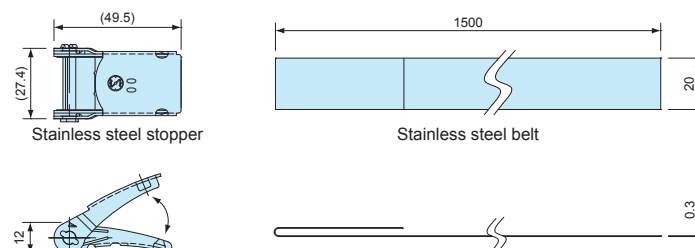
PKB-10PM, 10P



PKB-10S



PKB-20S

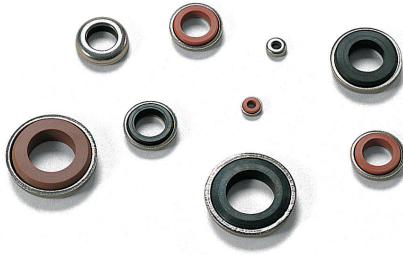


Components

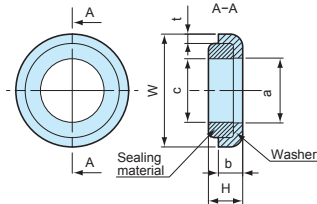
Part name	Pcs	Material	Color / Finish
Stopper	2	POM • Stainless steel SUS304	Black • Barrel finish
Belt	2	PET • Stainless steel SUS430	Gray • Bright Annealed finish

Product no. / Dimensions

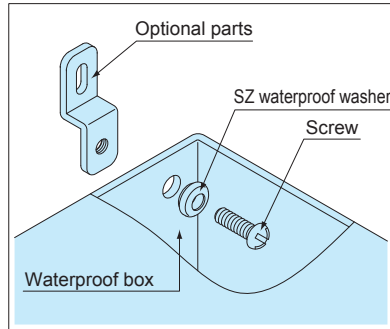
Product no.	W	D	H	Belt material	Belt length	Tensile strength (horizontal)	Weight (g)	Pack of
NEW PKB-10PM	24	23	11	PET	500mm	0.8kN	14	2
PKB-10P	23	40	11	PET	1,500mm	1.3kN	31.8	2
PKB-10S	—	—	—	Stainless steel	1,500mm	1.4kN	101.6	2
PKB-20S	—	—	—	Stainless steel	1,500mm	2.9kN	182.2	2

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).



- Shape of the sealing material vary by product.

**Technical Data**

Water pressure resistance:
 M3 ~ M10 : 200kg/cm² 5min
 M12 ~ M16 : 100kg/cm² 5min

Product no. / Dimensions

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

AGM SERIES

METAL CABLE GLAND



- High water protection IP68 (1bar / 30min) metal cable gland.
- Wide selection, for M6 ~ M50 and PG7 ~ PG16.
Suitable for $\Phi 2$ mm ~ $\Phi 42$ mm cable.

Technical Data

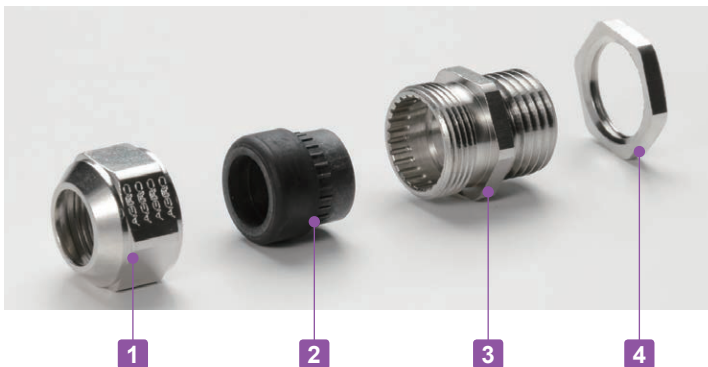
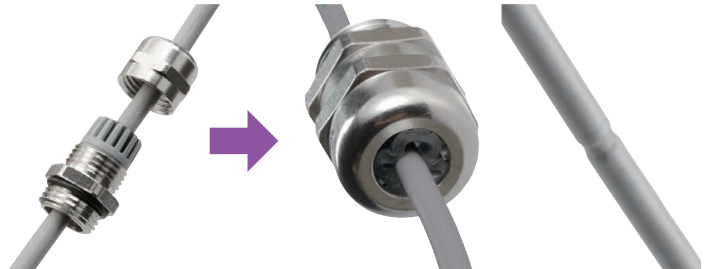
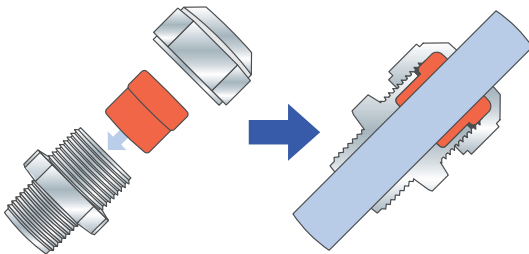
Protection class: IP68 1bar / 30min
 Operating temperature: -40°C ~ +100°C
 Compliant with EN50262 Ver. A

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.



- Proper 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.

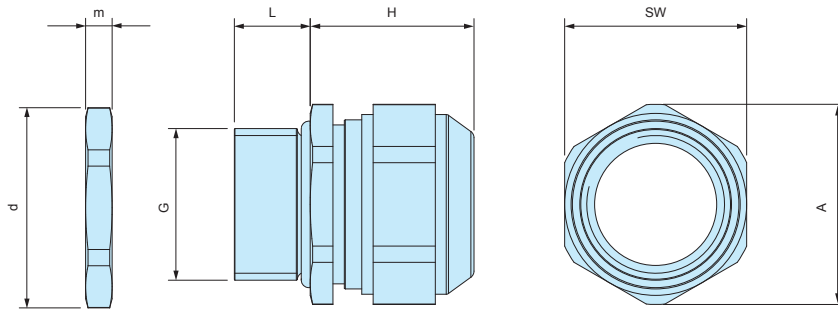


Components

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. / Dimensions

Product no.	G			Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Thread outer dia.	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
AGM7PG-5	PG7	12.5	Φ12.7	3.5	5.0	6	17	15	16.5	16.5	3	1
AGM9PG-6	PG9	15.2	Φ15.4	4.5	6.0	6	20	18	20	20	3	1
AGM11PG-8.5	PG11	18.6	Φ18.8	5.5	8.5	6	21	21	23	23.5	3	1
AGM13PG-11	PG13	20.4	Φ20.6	8.0	11.0	6	21	24	26.5	25.5	3	1
AGM16PG-14.5	PG16	22.5	Φ22.7	11	14.5	6	23	24	26.5	29	3	1

AGE SERIES

EMC SHIELDED CABLE GLAND



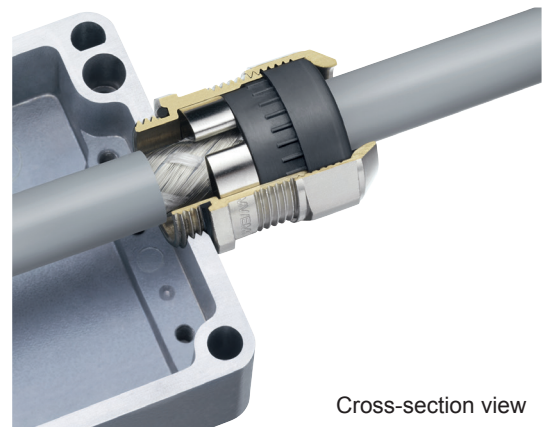
- Optimal contact spring provides excellent shield contact and the smallest possible transfer impedance.
- Clawed lock nut makes a good EMC shield contact possible on conductive enclosures.
- Shape of the contact spring not only allows for a large clamping range to the shield but also enables easy and 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
 20m depth immersion in 30 minutes
 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

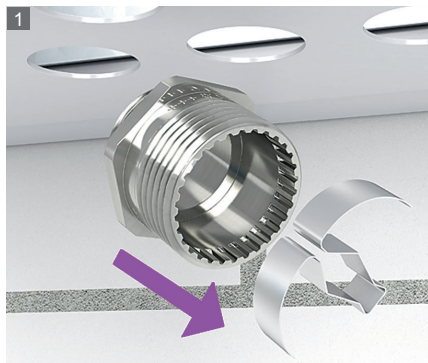


Cross-section view

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



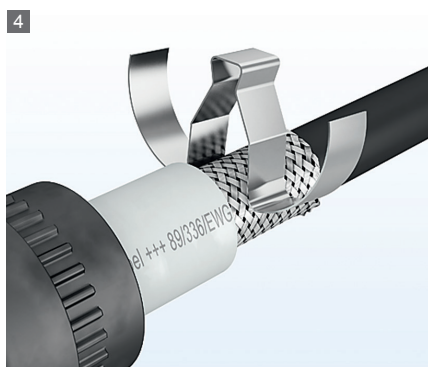
Remove the contact spring from the connector.



Install the connector onto the enclosure.



Strip the cable.



Clip the contact spring on the shielded cable.



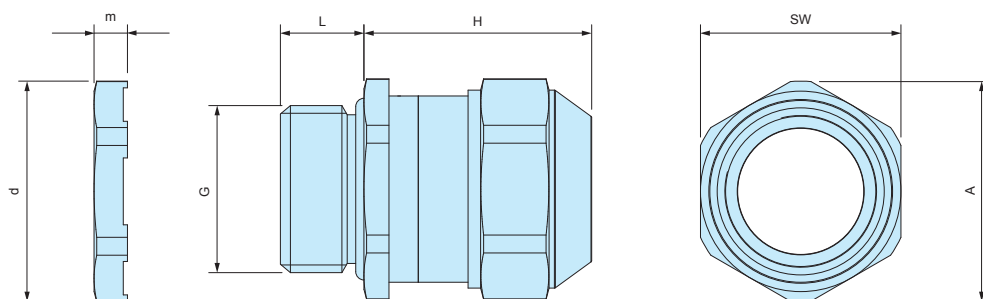
Pass the cable through the Sealing insert and cap.



Tighten the cap to complete.

AGE dimensions

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



Product no. / Dimensions

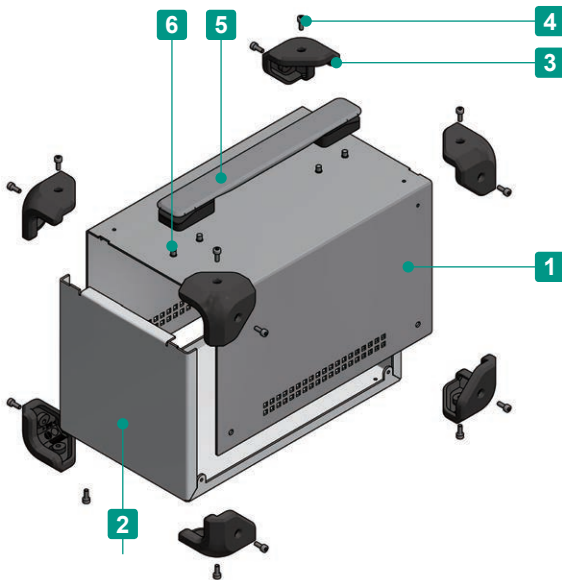
Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGE12-5	M12×1.5	Φ12.2	3.5	5.0	10	22	15	16.5	16.5	3.5	1
AGE12-6.5	M12×1.5	Φ12.2	5.0	6.5	10	22	15	16.5	16.5	3.5	1
AGE16-10.5	M16×1.5	Φ16.2	6.0	10.5	10	25	18	20	21	3.5	1
AGE20-15	M20×1.5	Φ20.2	8.0	15.0	10	27	24	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

MCG SERIES

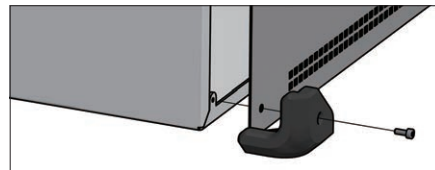
ALUMINIUM CASE with CORNER GUARD



- 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 : Steel : Black trivalent chromate x 16 or 18 pcs

Carrying handle - M5-8 : Steel : Trivalent chromate x 4 pcs

※Hexagonal wrenches included.

Components

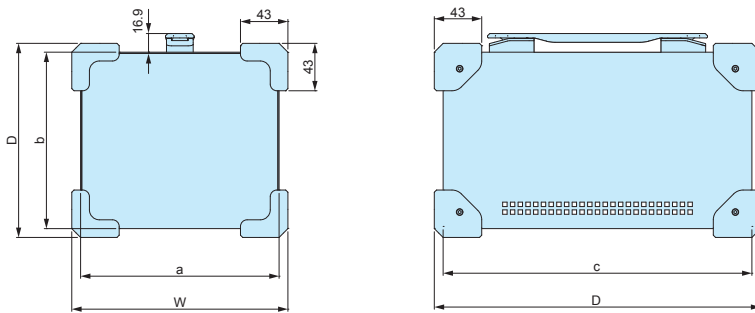
No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Steel SECC t=10	Black / Painted
			Aluminium A1100P t=1.5	Metallic silver / Painted : Conductive inside
2	Base	1	Aluminium A1050P t=1.5	Black / Painted
			Aluminium A1100P t=1.5	Metallic silver / Painted : Conductive inside
3	Corner guard	8	TPE	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

Color Type

Code	B B B	B G B	B N B	B R B
Color				
Code	S B B Conductive	S G G Conductive	S N G Conductive	S R G Conductive
Color				

UCG dimensions

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



Product no. / Dimensions

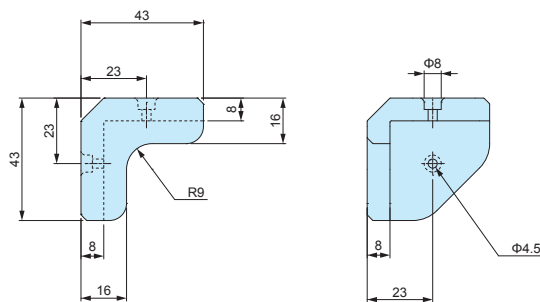
■ Please suffix color code at the end of the product number.

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

Accessories (Optional parts)

MG-1

CORNER GUARD



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

Components

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

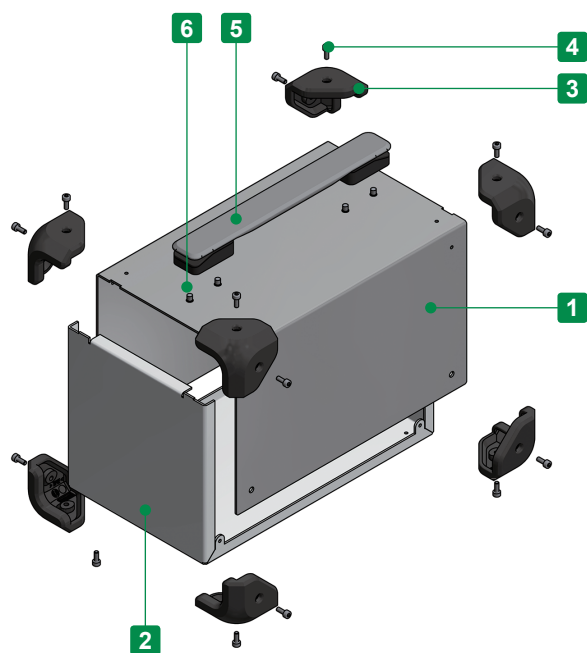
Product no. / Details

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

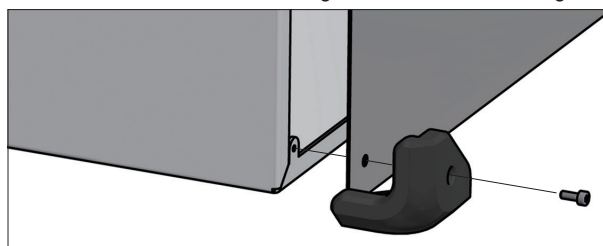
Included screw : M4-8 Hexagonal : Steel : Black trivalent chromate x 18 pcs + Hexagonal wrench



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

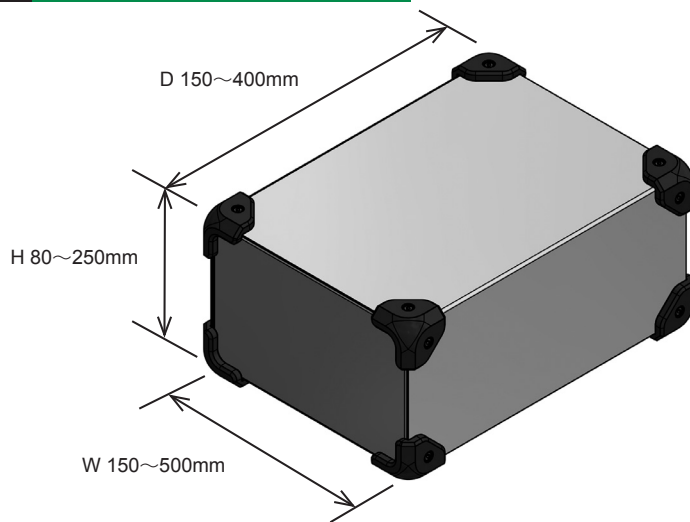
No.	Part name	Pcs	Material	Color / Finish
1	Top Cover	1	Stainless steel SUS304	Bright annealed (BA)
2	Base	1	Stainless steel SUS304	Bright annealed (BA)
3	Corner guard	8	TPE	Black • Gray • Navy • Red
4	Case / Corner guard screw (Hexagonal M4-8)	16 / 18 / 20	Stainless steel	Unfinished
5	Carrying handle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

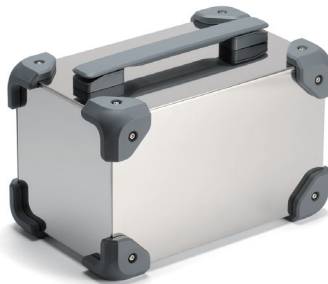
3 Select Handle Type

- 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

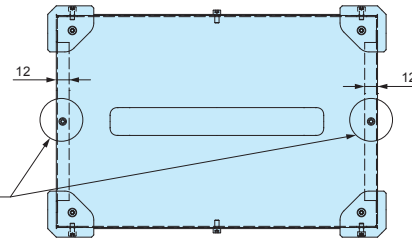
Refer to the below chart for available sizes.

■ [—] 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	—	—	—	○	○	○	○	○	○	○
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	—	—	—	—	—	○	○	○	○	○
		275~299	—	—	—	—	—	○	○	○	○	○
350~399	80~99	100~124	○	○	○	○	○	○	○	○	○	○
		125~149	○	○	○	○	○	○	○	○	○	○
		150~174	—	—	○	○	○	○	○	○	○	○
		175~199	—	—	—	○	○	○	○	○	○	○
		200~224	—	—	—	—	○	○	○	○	○	○
		225~250	—	—	—	—	—	○	○	○	○	○
		275~299	—	—	—	—	—	○	○	○	○	○
400~449	80~99	100~124	○	○	○	○	○	○	○	○	○	○
		125~149	○	○	○	○	○	○	○	○	○	○
		150~174	—	—	○	○	○	○	○	○	○	○
		175~199	—	—	—	○	○	○	○	○	○	○
		200~224	—	—	—	—	○	○	○	○	○	○
		225~250	—	—	—	—	—	○	○	○	○	○
		275~299	—	—	—	—	—	○	○	○	○	○
450~500	80~99	100~124	○	○	○	○	○	○	○	○	○	○
		125~149	○	○	○	○	○	○	○	○	○	○
		150~174	—	—	○	○	○	○	○	○	○	○
		175~199	—	—	—	○	○	○	○	○	○	○
		200~224	—	—	—	—	○	○	○	○	○	○
		225~250	—	—	—	—	—	○	○	○	○	○
		275~299	—	—	—	—	—	○	○	○	○	○

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

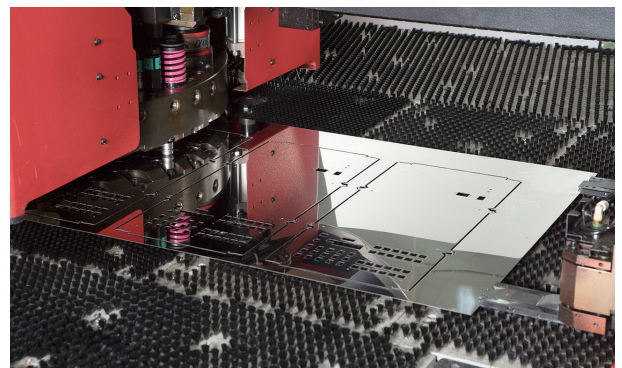


Technical drawing of a rectangular plate with the following dimensions and features:

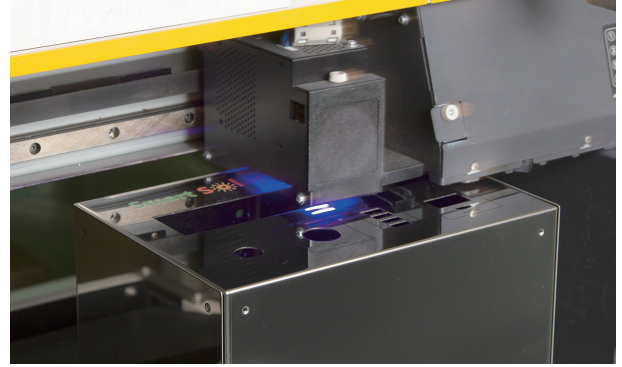
- Overall width: 200
- Overall height: 100
- Top flange width: 43
- Bottom flange width: 10
- Central hole diameter: $\varnothing 70\text{mm}$
- Distance from bottom edge to hole center: 12
- Distance from side edge to hole center: $D - 150 \sim 400\text{mm}$
- Overall distance from side edge to hole center: $D + 16$

CUSTOMIZATION EXAMPLE

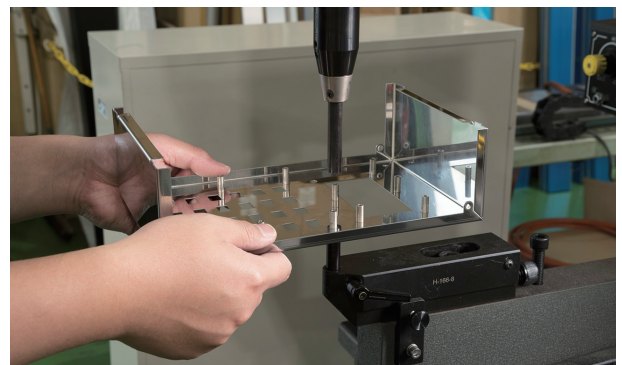
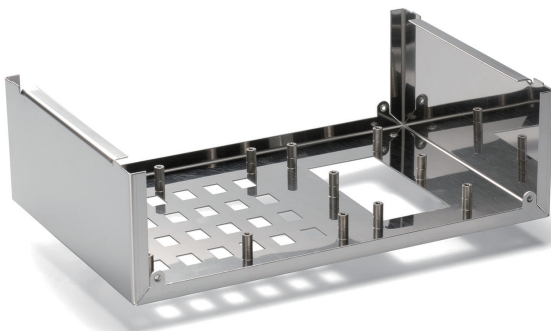
PUNCH PRESS



INKJET PRINTING



SELF CLINCHING STANDOFF

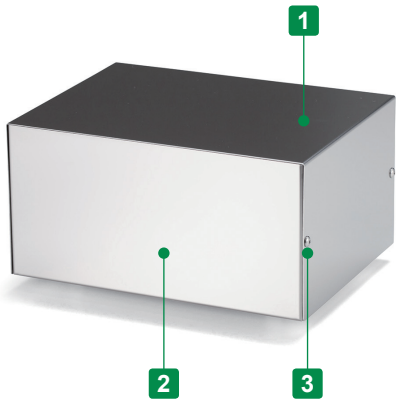


MBS SERIES

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

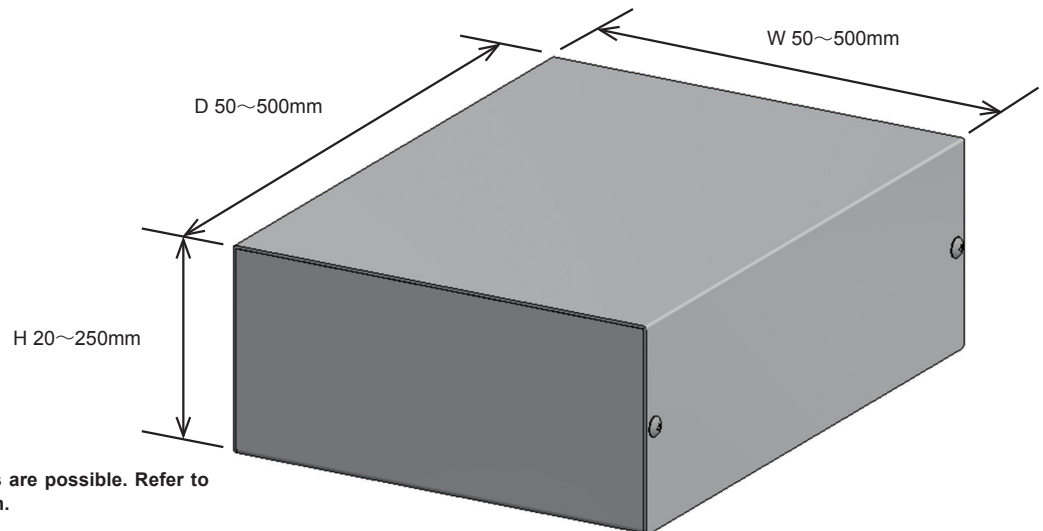


Components

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.

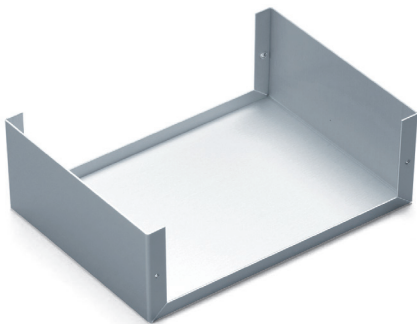
■ Panel thickness and base types vary by W / H / D dimensions.

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



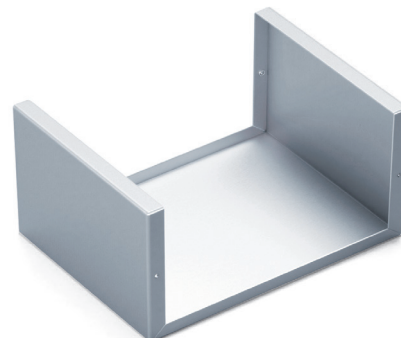
Base Type B

[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

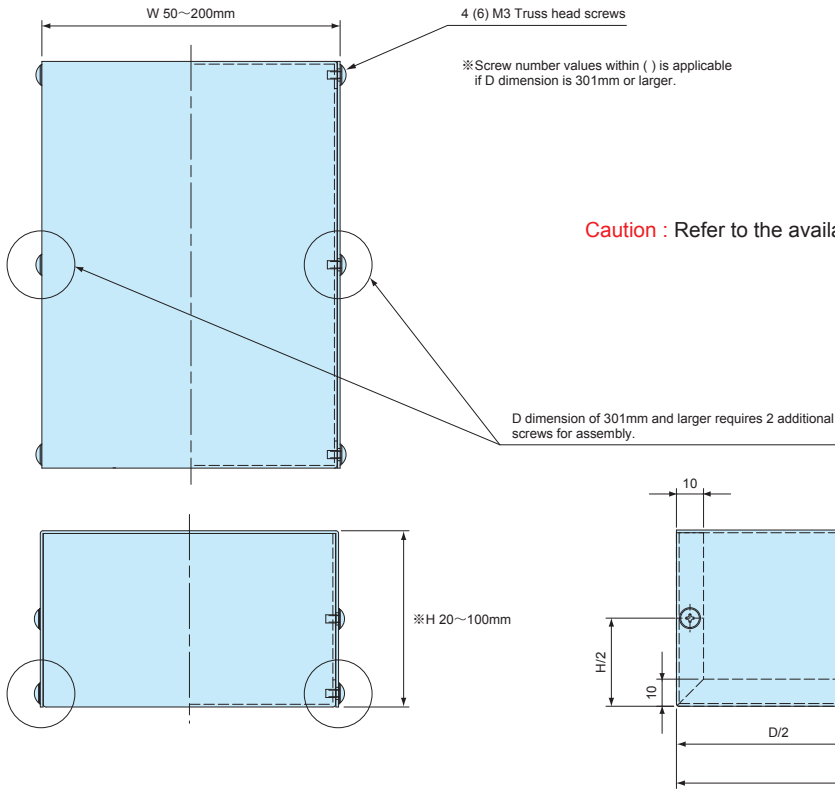
■ [—] sizes are not available.

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

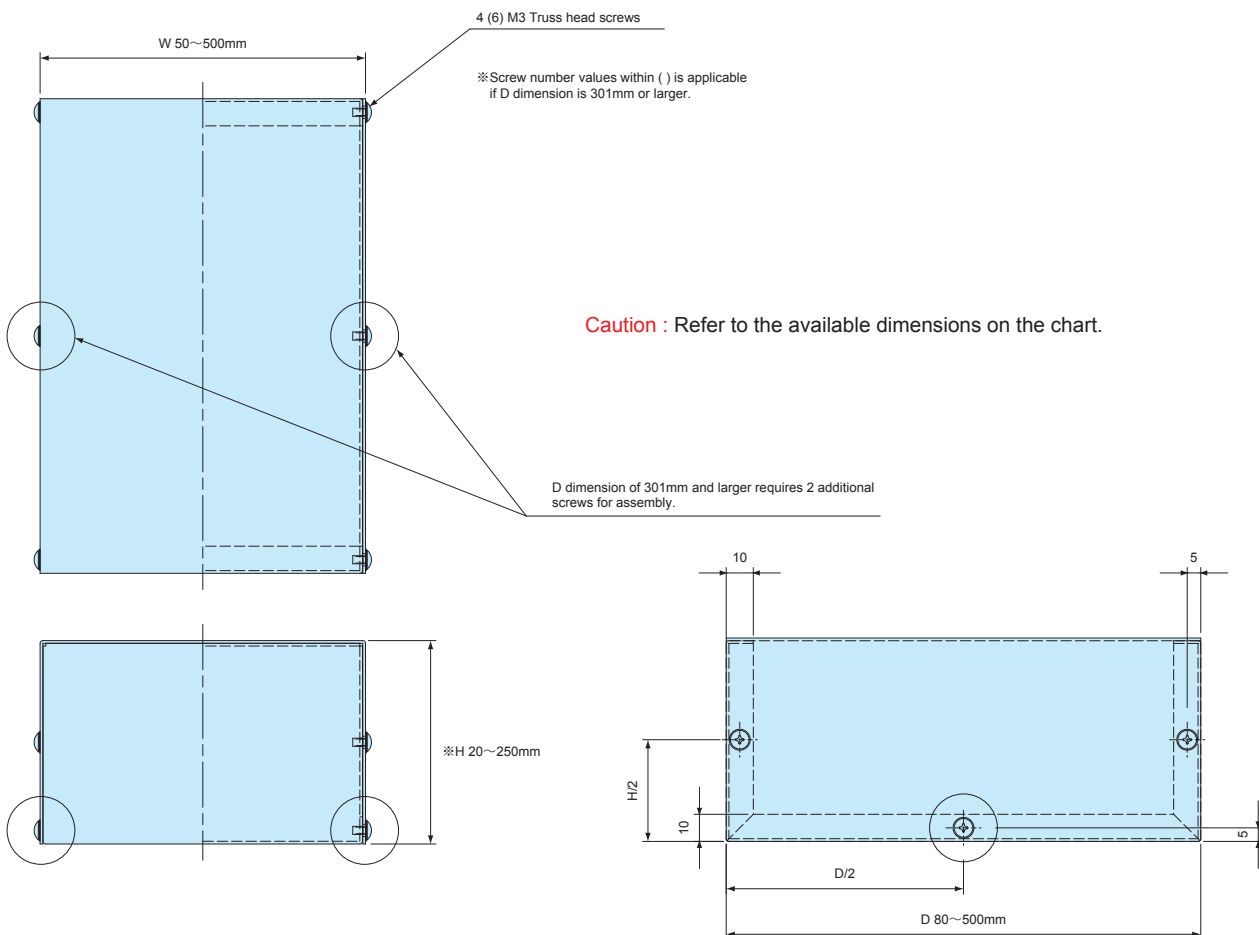


[B10] Type

Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm



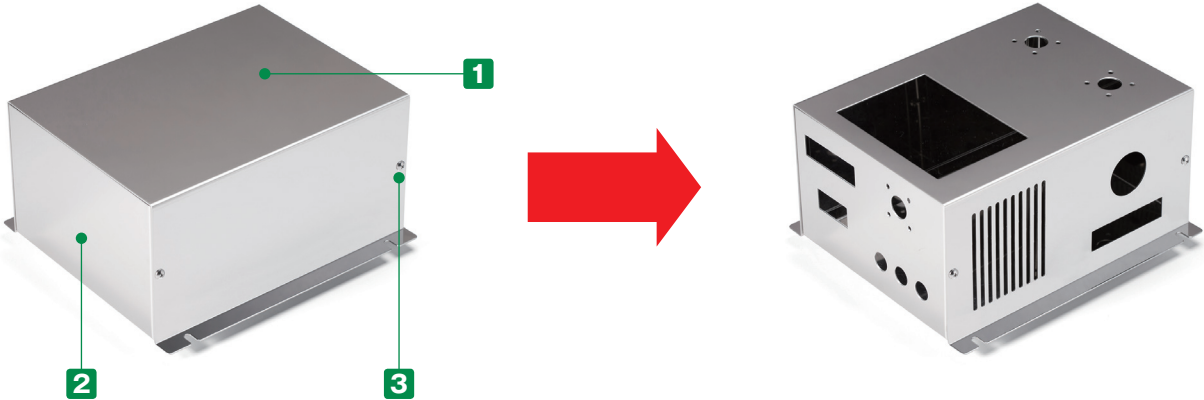
MBSF SERIES

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

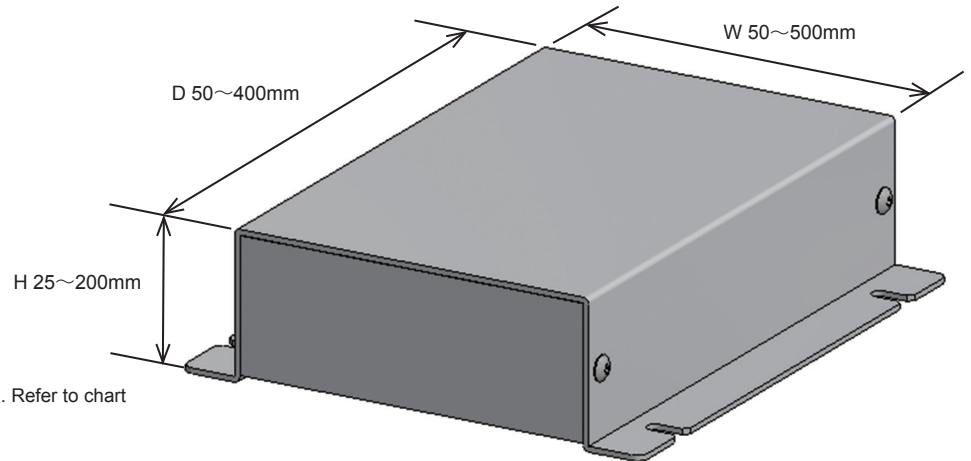


Components

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.

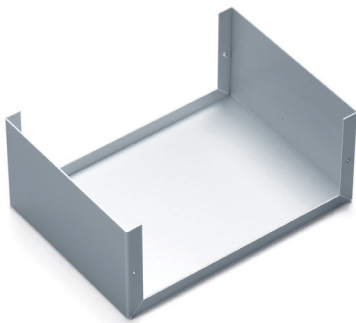
■ Panel thickness and base types vary by W / H / D dimensions.

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

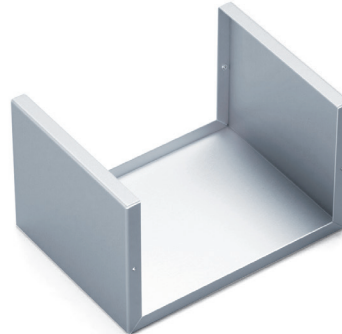
W : 200 • H : 100 • D : 400 or smaller
Type A : Standard • Panel thickness : 1.0mm



Base Type B

[B10] Type

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



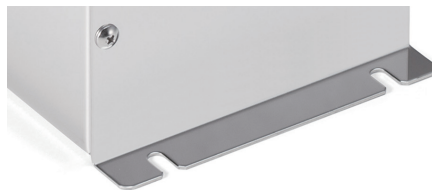
[B12] Type

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	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	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	30~50	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	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	30~50	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	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
		176~200	—	—	—	—	—	—	—	B10	B10	B10	B12	B12	B12	B12
351~400	30~50	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
		176~200	—	—	—	—	—	—	—	B12	B12	B12	B12	B12	B12	B12
401~450	30~50	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	30~50	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
		176~200	—	—	—	—	—	—	—	B12	B12	B12	B12	B12	B12	B12

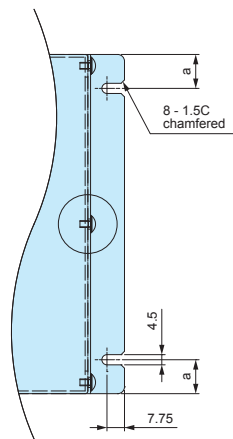
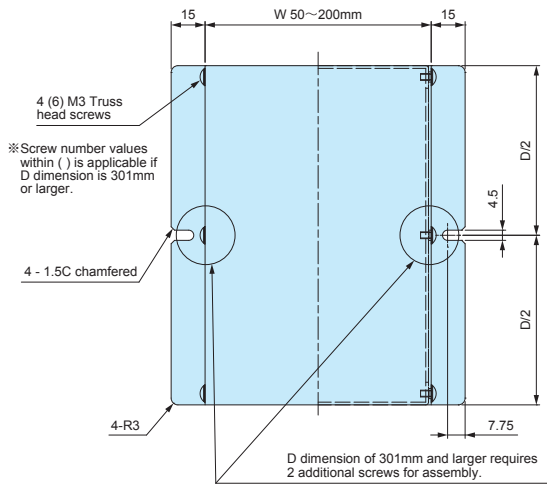
MBSF dimensions

[A10] Type

Standard • Panel thickness : 1.0mm

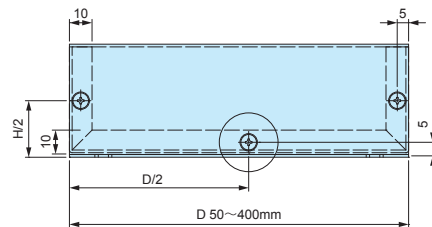
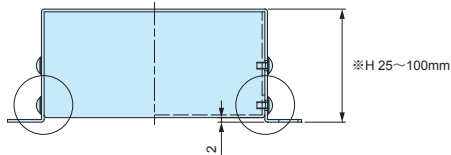
2-hole flange type

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

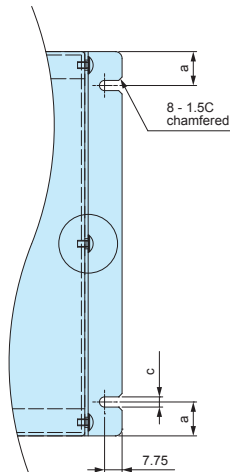
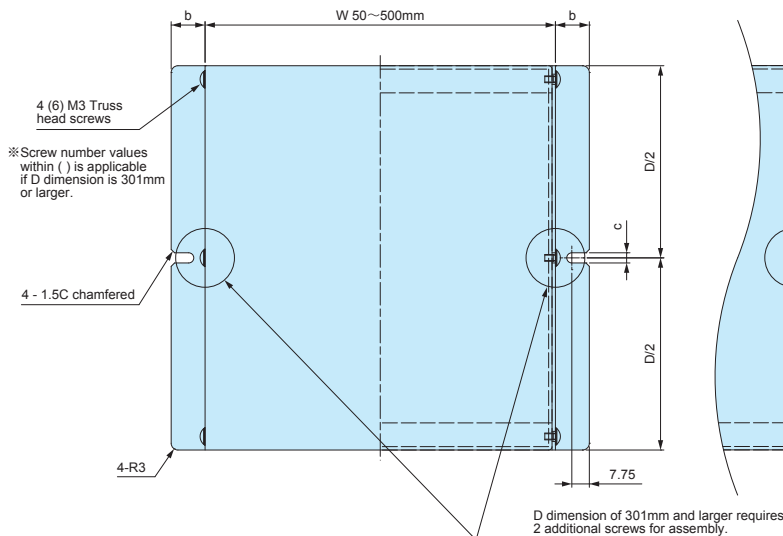
Reinforced • Panel thickness : 1.0mm

[B12] Type

Reinforced • Panel thickness : 1.2mm

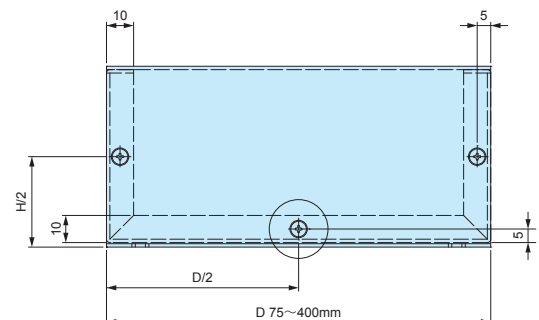
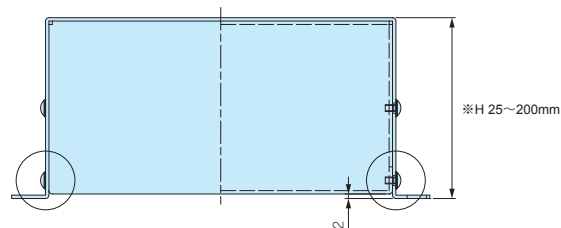
2-hole flange type

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

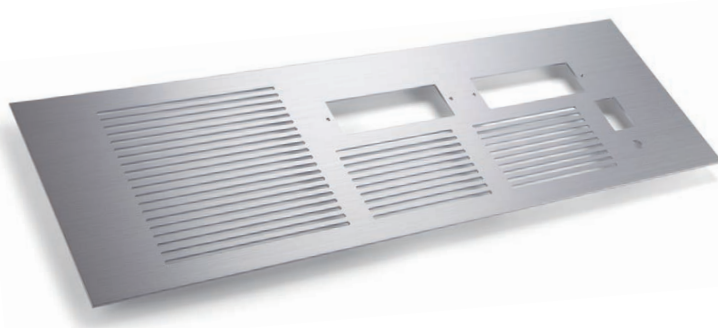
Caution : Refer to the available dimensions on the chart.



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.

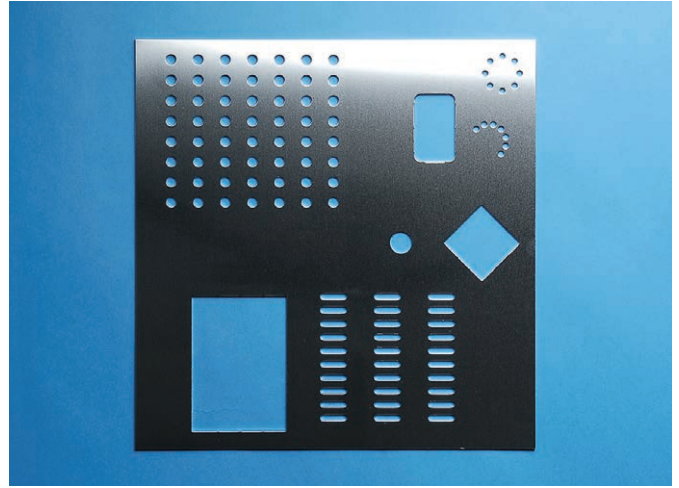
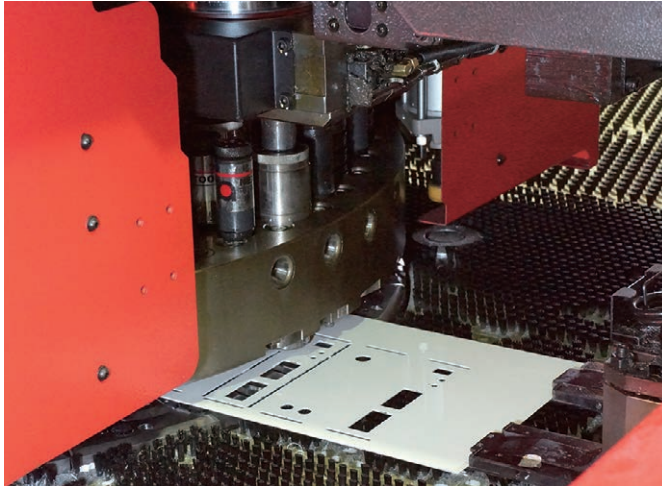


PUNCHING PRESS

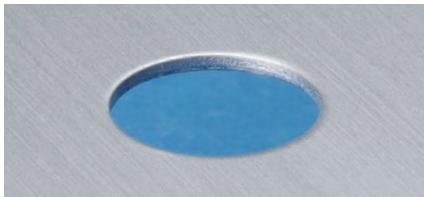
What is punching press? It is a type of machine press used to cut holes in material via the use of various sized die sets.

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.

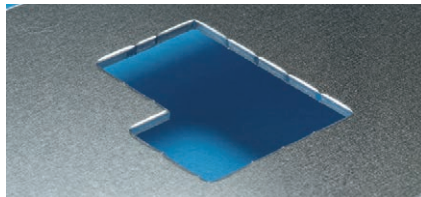


Circular hole



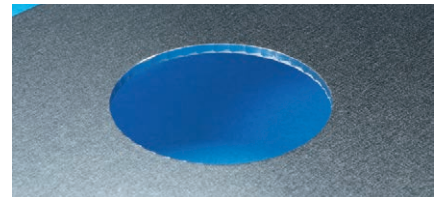
Circular holes as small as 1.0mm in diameter can be punched.

Nibbling press (rectangle)



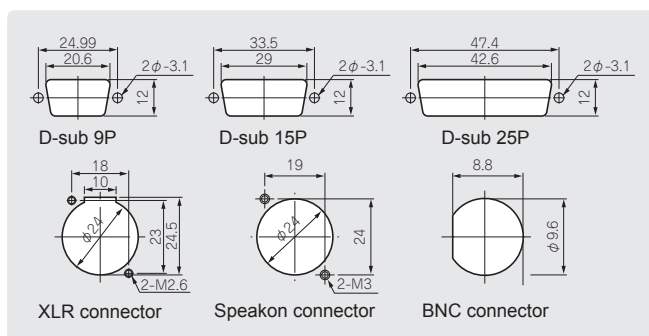
Complex or large rectangular shapes can be punched out with multiple presses.

Nibbling press (round)

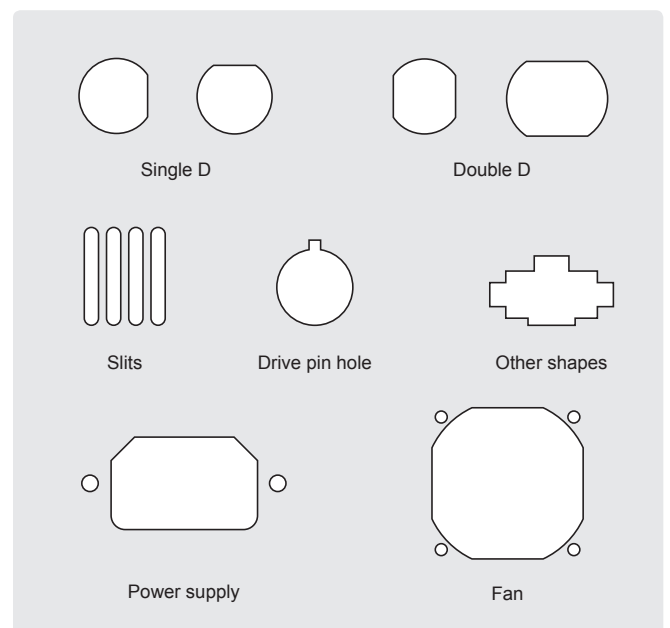


Punching of large circular holes with multiple smaller die strokes.

Common connector shapes



Unique shapes



Burring punch



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

