

- Material / Finish : Glass epoxy (FR-4) / Through-hole - Lead-free solder resist
- Environmentally friendly lead-free solder.
- 25 different sizes available. See chart on page TNF-2 for suitable cases/boxes.
- TNF160-240 is for multi-size use. Cut it to fit your needs when using.

**Accessories (Optional parts)**



Tapping standoff TPS series  
See page TPS • MT-1



Adhesive standoff T-600, 700 series  
See page Standoff-1

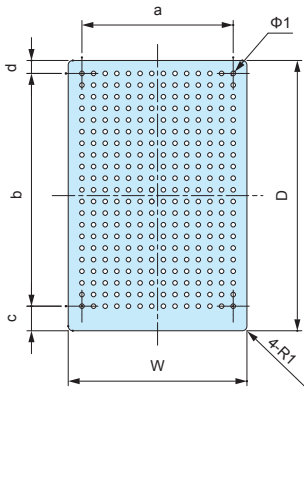


Adhesive standoff ASR series  
See page Standoff-1

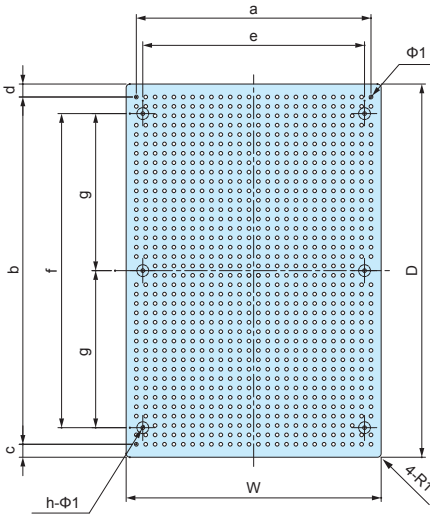


PCB mounting screw EM series  
See page EM • MR-1

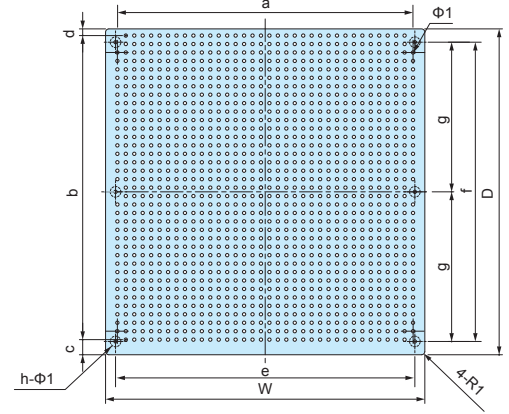
**Pattern A**



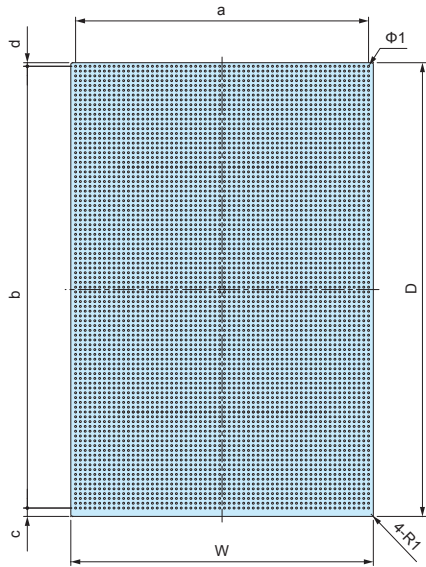
**Pattern B**



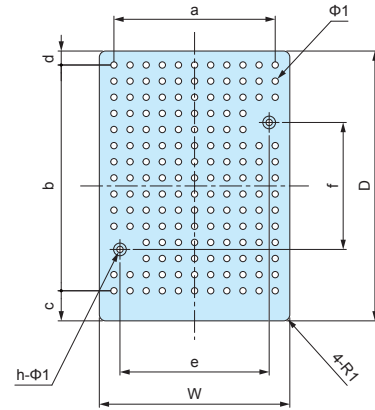
**Pattern C**



**Pattern D**



**Pattern E**



**Product no. / Dimensions**

■ Pattern B, C, and E PCBs come with holes for boss mounting.

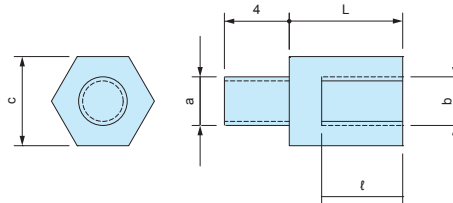
| Product no. | W    | D    | a      | b      | c    | d    | e     | f     | g    | h | Holes     | Pattern | Suitable case          |
|-------------|------|------|--------|--------|------|------|-------|-------|------|---|-----------|---------|------------------------|
| TNF 11- 16  | 10.7 | 15.8 | 7.62   | 12.7   | 1.55 | 1.55 | —     | —     | —    | — | 4 x 6     | A       | SW-20                  |
| TNF 15- 25  | 15   | 25   | 10.16  | 20.32  | 2.34 | 2.34 | —     | —     | —    | — | 5 x 9     | A       | SW-30                  |
| TNF 25- 35  | 25   | 35   | 20.32  | 30.48  | 2.26 | 2.26 | —     | —     | —    | — | 9 x 13    | A       | SW-40                  |
| TNF 29- 32  | 29.5 | 32.5 | 25.4   | 25.4   | 4.82 | 2.28 | 23.5  | 20    | —    | 2 | 11 x 11 ■ | E       | TW • TWN4-2-5          |
| TNF 29- 42  | 29.5 | 42.5 | 25.4   | 35.56  | 4.74 | 2.2  | 23.5  | 20    | —    | 2 | 11 x 15 ■ | E       | TW • TWN4-2-6          |
| TNF 29- 44  | 29   | 44   | 22.86  | 35.56  | 5.49 | 2.95 | —     | —     | —    | — | 10 x 15   | A       | SW-50 • 53             |
| TNF 34- 49  | 34   | 49   | 27.94  | 40.64  | 5.45 | 2.91 | —     | —     | —    | — | 12 x 17   | A       | SW-55                  |
| TNF 34- 62  | 34.5 | 62.5 | 30.48  | 55.88  | 4.58 | 2.04 | 28.5  | 40    | —    | 2 | 13 x 23 ■ | E       | TW • TWN4-2-8          |
| TNF 34-124  | 34   | 124  | 27.94  | 116.84 | 4.85 | 2.31 | —     | —     | —    | — | 12 x 47   | A       | SW-130                 |
| TNF 39- 59  | 39   | 59   | 33.02  | 50.8   | 5.37 | 2.83 | —     | —     | —    | — | 14 x 21   | A       |                        |
| TNF 39- 70  | 39.5 | 70   | 33.02  | 60.96  | 5.79 | 3.25 | 27.94 | 58.42 | —    | 4 | 14 x 25   | A       | TW • TWN5-3-9          |
| TNF 43- 66  | 43   | 66   | 38.1   | 58.42  | 3.79 | 3.79 | 30    | 50    | —    | 4 | 16 x 24 ■ | B       |                        |
| TNF 43- 79  | 43.5 | 79.5 | 38.1   | 73.66  | 2.92 | 2.92 | —     | —     | —    | — | 16 x 30   | A       | TW5-3-10               |
| TNF 44- 69  | 44   | 69   | 38.1   | 60.96  | 5.29 | 2.75 | —     | —     | —    | — | 16 x 25   | A       | SW-75                  |
| TNF 52- 89  | 52   | 89   | 45.72  | 81.28  | 3.86 | 3.86 | —     | —     | —    | — | 19 x 33   | A       | SW-95                  |
| TNF 53- 79  | 53   | 79   | 48.26  | 71.12  | 5.21 | 2.67 | —     | —     | —    | — | 20 x 29   | A       | SW-85 • TW • TWN7-□-11 |
| TNF 53-114  | 53   | 114  | 48.26  | 106.68 | 4.93 | 2.39 | —     | —     | —    | — | 20 x 43   | A       | SW-120                 |
| TNF 59- 94  | 59   | 94   | 53.34  | 86.36  | 5.09 | 2.55 | —     | —     | —    | — | 22 x 35   | A       | SW-100                 |
| TNF 63-119  | 63   | 119  | 58.42  | 111.76 | 4.89 | 2.35 | —     | —     | —    | — | 24 x 45   | A       | SW-125                 |
| TNF 69-101  | 69   | 101  | 63.5   | 93.98  | 3.51 | 3.51 | 60    | —     | 42.5 | 6 | 26 x 38 ■ | B       |                        |
| TNF 89-136  | 89   | 136  | 83.82  | 129.54 | 3.23 | 3.23 | 80    | —     | 60   | 6 | 34 x 52 ■ | B       |                        |
| TNF 96- 98  | 96   | 98   | 88.9   | 91.44  | 4.55 | 2.01 | 90    | 90    | 45   | 6 | 36 x 37 ■ | C       |                        |
| TNF122- 99  | 122  | 99   | 116.84 | 91.44  | 3.78 | 3.78 | —     | —     | —    | — | 47 x 37   | A       |                        |
| TNF128-136  | 136  | 128  | 129.54 | 121.92 | 4.31 | 1.77 | 130   | 120   | 60   | 6 | 52 x 50 ■ | C       |                        |
| TNF160-240  | 160  | 240  | 154.94 | 233.68 | 3.93 | 2.39 | —     | —     | —    | — | 62 x 93   | D       |                        |

TPS SERIES

TAPPING STANDOFF



- Tapping screw head allows for easy installation onto existing enclosure boss mount.
- 3 different sizes available : M2.3, M2.6 and M3 size.



Product no. / Dimensions

■ Material / Finish : Brass / Unfinished

| Product no. | Screw size (a) | Screw size (b) | c   | L  | ℓ | Pack of | Recommended enclosure models  |  |
|-------------|----------------|----------------|-----|----|---|---------|---|--|
| TPS-M2.3-4  | M2.3           | M2.3           | 5   | 4  | 3 | 4       | WH series • PFE series<br>LC • LCE • LCS • LCT series<br>PF • PFF series (M2.3 boss models)<br>TW • TWN • TWF series (M2.3 boss models)<br>WP series (M2.3 boss models) |  |
| TPS-M2.3-5  | M2.3           | M2.3           | 5   | 5  | 3 | 4       |   |  |
| TPS-M2.3-6  | M2.3           | M2.3           | 5   | 6  | 4 | 4       |   |  |
| TPS-M2.3-7  | M2.3           | M2.3           | 5   | 7  | 5 | 4       |   |  |
| TPS-M2.3-8  | M2.3           | M2.3           | 5   | 8  | 6 | 4       |   |  |
| TPS-M2.3-10 | M2.3           | M2.3           | 5   | 10 | 6 | 4       |   |  |
| TPS-M2.3-12 | M2.3           | M2.3           | 5   | 12 | 6 | 4       |   |  |
| TPS-M2.6-4  | M2.6           | M2.6           | 5   | 4  | 3 | 4       |   | PF • PFF series (M2.6 boss models)<br>WP series (M2.6 boss models) |
| TPS-M2.6-5  | M2.6           | M2.6           | 5   | 5  | 3 | 4       |   |  |
| TPS-M2.6-7  | M2.6           | M2.6           | 5   | 7  | 5 | 4       |   |  |
| TPS-M2.6-10 | M2.6           | M2.6           | 5   | 10 | 6 | 4       |   |  |
| TPS-M2.6-12 | M2.6           | M2.6           | 5   | 12 | 6 | 4       | SU • OP series<br>TWS • TW • TWN • TWF series (M3 boss models)  |  |
| TPS-M3-4    | M3             | M3             | 5.5 | 4  | 3 | 4       |   |  |
| TPS-M3-5    | M3             | M3             | 5.5 | 5  | 3 | 4       |   |  |
| TPS-M3-6    | M3             | M3             | 5.5 | 6  | 4 | 4       |   |  |
| TPS-M3-7    | M3             | M3             | 5.5 | 7  | 5 | 4       |   |  |
| TPS-M3-8    | M3             | M3             | 5.5 | 8  | 5 | 4       |   |  |
| TPS-M3-10   | M3             | M3             | 5.5 | 10 | 6 | 4       |   |  |
| TPS-M3-12   | M3             | M3             | 5.5 | 12 | 6 | 4       |   |  |



- Please use a suitable sized socket driver to both secure and loosen the tapping standoff.



MT SERIES

PCB MOUNTING SCREWS for TPS

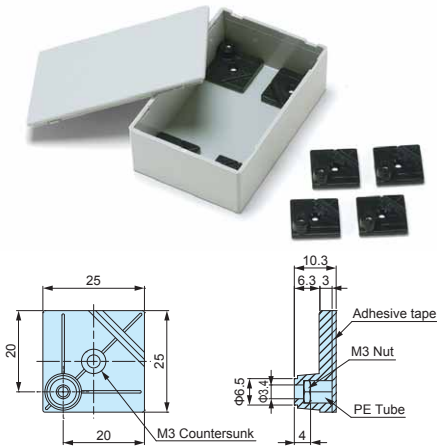


- PCB mounting Screws for TPS tapping standoffs.

Product no. / Dimensions

| Product no.        | M   | L | Head style | Material | Finish             | Pack of |
|--------------------|-----|---|------------|----------|--------------------|---------|
| <b>NEW</b> MT2.3-4 | 2.3 | 4 | Pan        | Steel    | Trivalent chromate | 20      |
| <b>NEW</b> MT2.3-6 | 2.3 | 6 |            | Steel    | Trivalent chromate | 20      |
| <b>NEW</b> MT2.6-4 | 2.6 | 4 |            | Steel    | Trivalent chromate | 20      |
| MT3-4              | 3   | 4 |            | Steel    | Trivalent chromate | 20      |

**T-600 M3 INSERT NUT ADHESIVE STANDOFF**



- Double-sided adhesive tape allows the standoff to be mounted easily; allows PCB mounting in non-boss enclosures.

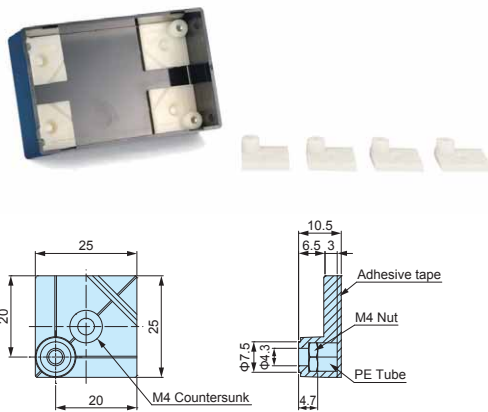
**NOTE**

- Please ensure the surface is cleaned and grease-free before adhering.
- Once removed, it cannot be adhered on again.
- Recommended screw torque: 4kgf • cm (0.4N • m).

**Product no. / Dimensions**

| Product no. | Material | Color | Weight (g)   | Pack of |
|-------------|----------|-------|--------------|---------|
| T-600       | ABS      | Black | 2.6 (g) / pc | 10      |

**T-700 M4 INSERT NUT ADHESIVE STANDOFF**



- Double-sided adhesive tape allows the standoff to be mounted easily; allows PCB mounting in non-boss enclosures.

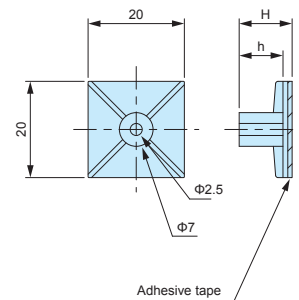
**NOTE**

- Please ensure the surface is cleaned and grease-free before adhering.
- Once removed, it cannot be adhered on again.
- Recommended screw torque: 8.1kgf • cm (0.81N • m).

**Product no. / Dimensions**

| Product no. | Material | Color   | Weight (g)   | Pack of |
|-------------|----------|---------|--------------|---------|
| T-700       | ABS      | Natural | 2.6 (g) / pc | 10      |

**ASR SERIES ADHESIVE STANDOFF**



- M3 tapping screw use adhesive standoff.  
Recommended to be used with EM-3 or EM-3-6 tapping screws (See page 115).

**NOTE**

- Please ensure the surface is cleaned and grease-free before adhering.
- Once removed, it cannot be adhered on again.
- Recommended screw torque: 4kgf • cm (0.4N • m).

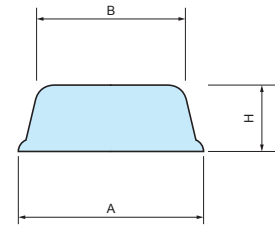
**Product no. / Dimensions**

| Product no. | H    | h    | Weight (g)   | Pack of |
|-------------|------|------|--------------|---------|
| ASR- 5      | 5.1  | 3.1  | 0.9 (g) / pc | 10      |
| ASR- 6      | 6.4  | 4.4  | 1.0 (g) / pc | 10      |
| ASR- 7      | 7.2  | 5.1  | 0.9 (g) / pc | 10      |
| ASR- 8      | 8.1  | 6.3  | 0.9 (g) / pc | 10      |
| ASR- 9      | 9    | 7    | 1.0 (g) / pc | 10      |
| ASR-11      | 11   | 9    | 1.0 (g) / pc | 10      |
| ASR-13      | 12.7 | 10.7 | 1.2 (g) / pc | 10      |
| ASR-14.5    | 14.7 | 12.8 | 1.1 (g) / pc | 10      |
| ASR-16      | 15.9 | 13.9 | 1.3 (g) / pc | 10      |
| ASR-19      | 19.1 | 17.1 | 1.4 (g) / pc | 10      |

■ Material: Nylon 66 UL94V-2

**B SERIES** ADHESIVE RUBBER FEET

DXF/DWG/PDF drawings available on our website.



Injection molded type.

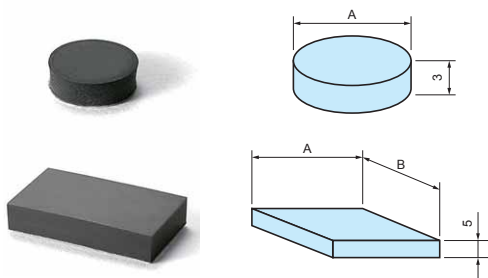
Product no. / Dimensions

Material : Synthetic rubber

| Product no. | A    | B    | H   | Color | Pack of |
|-------------|------|------|-----|-------|---------|
| B 6-2       | 6    | 5    | 1.8 | Black | 10      |
| B 8-4       | 8    | 7.7  | 3.5 | Black | 10      |
| B10-4       | 10   | 9.2  | 4.2 | Black | 10      |
| B11-3       | 10.8 | 10.2 | 3   | Black | 10      |
| B11-5       | 11   | 9.6  | 5   | Black | 10      |
| B12-4       | 12.7 | 10   | 3.8 | Black | 10      |
| B15-5       | 15.4 | 14.8 | 5.1 | Black | 10      |
| B16-7       | 16   | 13   | 7   | Black | 10      |
| B19-4       | 19   | 15.8 | 4.2 | Black | 10      |
| B21-7       | 21   | 17   | 7   | Black | 10      |
| B23-5       | 22.8 | 22.4 | 5   | Black | 10      |
| B26-11      | 26   | 20   | 11  | Black | 10      |
| B 6-2G      | 6    | 5    | 1.8 | Gray  | 10      |
| B11-3G      | 10.8 | 10.2 | 3   | Gray  | 10      |
| B15-5G      | 15.4 | 14.8 | 5.1 | Gray  | 10      |
| B21-7G      | 21   | 17   | 7   | Gray  | 10      |
| B26-11G     | 26   | 20   | 11  | Gray  | 10      |

**B-P SERIES** ADHESIVE RUBBER FEET

DXF/DWG/PDF drawings available on our website.



Press-punched type.

Product no. / Dimensions

Material / Color : Synthetic rubber / Black

| Product no. | A  | Pack of |
|-------------|----|---------|
| B-P21       | 10 | 10      |
| B-P22       | 20 | 10      |
| B-P23       | 15 | 10      |

Product no. / Dimensions

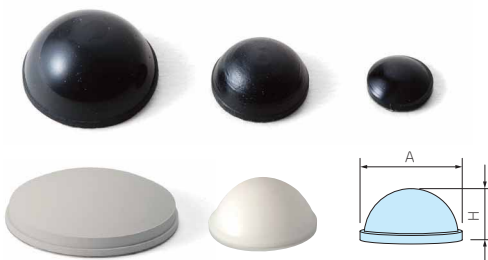
Material / Color : Synthetic rubber / Black

| Product no. | A  | B  | Pack of |
|-------------|----|----|---------|
| B-P31       | 28 | 16 | 10      |
| B-P32       | 46 | 26 | 10      |

**TB SERIES** ROUNDED ADHESIVE RUBBER FEET



DXF/DWG/PDF drawings available on our website.



Product no. / Dimensions

Material : Synthetic rubber

| Product no. | Product no. |                                 | A    | H   | Pack of |
|-------------|-------------|---------------------------------|------|-----|---------|
|             | ● Black     | ● White (W)<br>● White gray (G) |      |     |         |
| TB- 7       | -           | -                               | 6.7  | 4.2 | 10      |
| TB- 8       | NEW TB- 8W  | -                               | 8    | 2.6 | 10      |
| TB-10       | -           | -                               | 10   | 2.8 | 10      |
| TB-12       | NEW TB-12W  | -                               | 11.3 | 5.6 | 10      |
| TB-14       | -           | -                               | 14   | 8   | 10      |
| TB-16       | NEW TB-16W  | -                               | 15.9 | 8   | 10      |
| TB-21       | -           | -                               | 21.6 | 8.5 | 10      |
| TB-27       | TB-27G      | -                               | 27.8 | 7.4 | 10      |

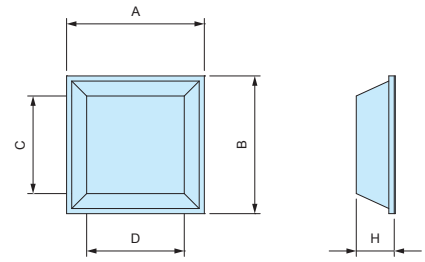
**SF SERIES**

**SQUARE ADHESIVE RUBBER FEET - LOW COST TYPE**

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



■ Square-shaped adhesive rubber feet.



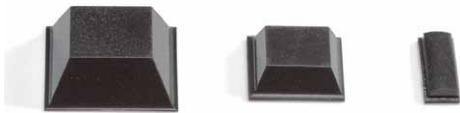
**Product no. / Dimensions**

■ Material / Color : Synthetic rubber / Black

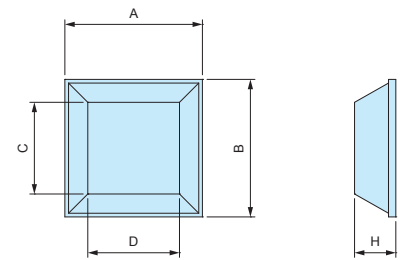
| Product no. | A    | B    | H   | C   | D   | Pack of |
|-------------|------|------|-----|-----|-----|---------|
| SF11-3      | 10.5 | 10.5 | 2.5 | 8.6 | 8.6 | 10      |
| SF13-4      | 12.7 | 12.7 | 3.5 | 9   | 9   | 10      |
| SF13-6      | 12.7 | 12.7 | 6   | 7   | 7   | 10      |
| SF20-8      | 20   | 20   | 7.6 | 14  | 14  | 10      |

**SJ-P SERIES**

**SQUARE ADHESIVE POLYURETHANE FEET**



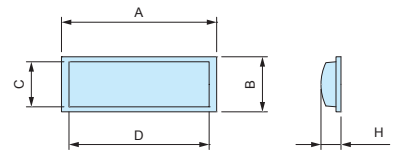
- Strong adhesive strength with the use of rubber pressure sensitive adhesive.
- Polyurethane material is resistant against color migration.



**Product no. / Dimensions**

■ Material / Color : Polyurethane / Black

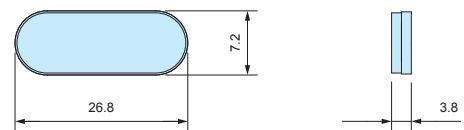
| Product no. | A    | B    | H   | C    | D    | Pack of |
|-------------|------|------|-----|------|------|---------|
| SJ-P5007    | 10.4 | 10.4 | 2.5 | 7.5  | 7.5  | 10      |
| SJ-P5008    | 12.7 | 12.7 | 3   | 9.5  | 9.5  | 10      |
| SJ-P5018    | 12.7 | 12.7 | 5.8 | 7    | 7    | 10      |
| SJ-P1004    | 15   | 15   | 4.5 | 10   | 10   | 10      |
| SJ-P5023    | 20.6 | 20.6 | 7.6 | 12.7 | 12.7 | 10      |
| SJ-P1011    | 15.5 | 5.5  | 2   | 4.5  | 14.5 | 10      |



SJ-P1011

**TN-27**

**OVAL ADHESIVE RUBBER FEET**



**Product no. / Feature**

■ Material / Color : Synthetic rubber / Black

| Product no. | Pack of |
|-------------|---------|
| TN-27       | 10      |

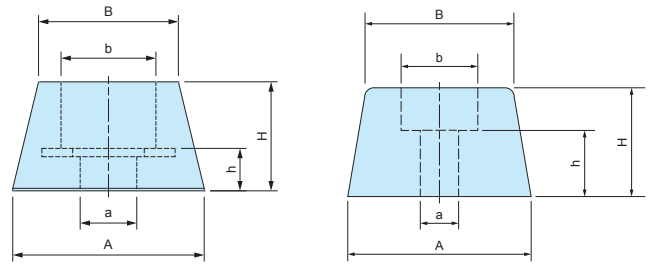


**B-P SERIES SCREW MOUNT RUBBER FEET**

DXF/DWG/PDF drawings available on our website.



- Built-in washer and non-washer types are available.
- Installation screws are separately sold.



B-P1S, P1M, P1L, P2S, P4, P5

B-P1, P2, P3

Product no. / Dimensions

Color : Black

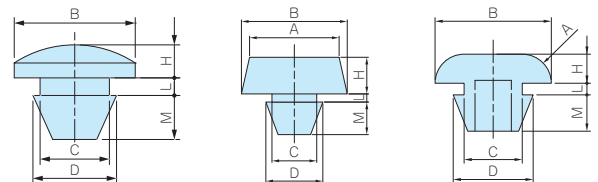
| Product no. | A    | B   | H   | a   | b   | h   | Washer | Material         | Pack of |
|-------------|------|-----|-----|-----|-----|-----|--------|------------------|---------|
| B-P1S       | 11.5 | 8.4 | 7.2 | 3.4 | 5.7 | 3.2 | ○      | Synthetic rubber | 10      |
| B-P1M       | 15   | 15  | 4   | 3.5 | 7.4 | 2.2 | ○      | Synthetic rubber | 10      |
| B-P1        | 15   | 13  | 7.7 | 3   | 6   | 4.2 | ×      | Synthetic rubber | 10      |
| B-P1L       | 16   | 13  | 7.8 | 3   | 6   | 3.7 | ○      | Synthetic rubber | 10      |
| B-P2S       | 18   | 15  | 11  | 3   | 6   | 5   | ○      | Synthetic rubber | 10      |
| B-P2        | 19   | 15  | 8   | 3   | 6   | 4.5 | ×      | Synthetic rubber | 10      |
| B-P3        | 22   | 18  | 13  | 3   | 7.5 | 7   | ×      | Synthetic rubber | 10      |
| B-P4        | 32   | 26  | 20  | 5   | 15  | 10  | ○      | EPDM             | 10      |
| B-P5        | 32   | 28  | 15  | 5   | 14  | 10  | ○      | EPDM             | 10      |

**B-P SERIES SNAP-IN RUBBER FEET**

DXF/DWG/PDF drawings available on our website.



- Hole milling required for installation.



B-P10

B-P10S, P11, P12

B-P13, P14, P15

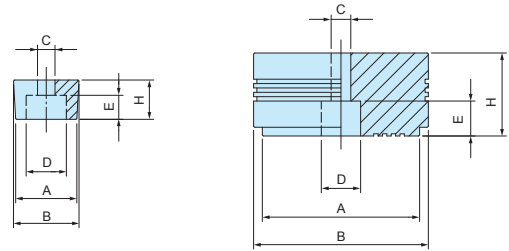
Product no. / Dimensions

| Product no. | A  | B  | H   | C   | D   | L   | M | Material         | Color | Pack of |
|-------------|----|----|-----|-----|-----|-----|---|------------------|-------|---------|
| B-P10S      | 8  | 8  | 2   | 5   | 5.6 | 0.9 | 3 | Silicone UL94V-0 | Black | 10      |
| B-P10       | —  | 11 | 3   | 6.3 | 7.6 | 1.6 | 4 | Silicone UL94V-0 | Black | 10      |
| B-P11       | 11 | 13 | 4.5 | 5.5 | 7   | 1   | 4 | Synthetic rubber | Black | 10      |
| B-P12       | 15 | 17 | 4.5 | 5.5 | 7   | 1   | 4 | Synthetic rubber | Black | 10      |
| B-P13       | R3 | 12 | 3   | 5   | 7   | 1.6 | 4 | EPDM             | Black | 10      |
| B-P14       | R4 | 14 | 4   | 6   | 9   | 1.6 | 5 | EPDM             | Black | 10      |
| B-P15       | R4 | 16 | 4   | 8   | 11  | 1.6 | 5 | EPDM             | Black | 10      |

**A-P SERIES**

**SCREW MOUNT ELASTOMER FEET**

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



A-P1 ~ A-P5

A-P6

- Prepare screws for installation.
- Resistant against color migration.

**Product no. / Dimensions**

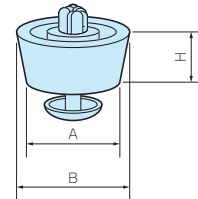
■ Material / Color : Elastomer / Black

| Product no. | A    | B    | H   | C   | D   | E   | Pack of |
|-------------|------|------|-----|-----|-----|-----|---------|
| A-P1        | 9.4  | 10.8 | 4   | 3.3 | 6.8 | 2   | 10      |
| A-P2        | 13.4 | 14.2 | 5.5 | 3   | 8   | 3.5 | 10      |
| A-P3        | 14   | 15   | 9   | 4   | 9.5 | 6   | 10      |
| A-P4        | 20   | 21   | 8   | 4   | 8.2 | 5   | 10      |
| A-P5        | 20   | 24   | 14  | 5.5 | 8.6 | 8   | 10      |
| A-P6        | 36   | 40   | 19  | 4.5 | 9   | 7.5 | 10      |

**TP SERIES**

**SNAP-IN ELASTOMER FEET**

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



- Easy installation with snap-in pin.
- Require a hole for installation.
- Resistant against color migration.

**Product no. / Dimensions**

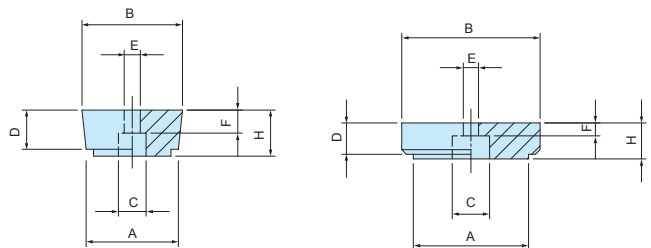
■ Material / Color : (Feet) LDPE • (PIN) PP / Black

| Product no. | A    | B    | H    | Mounting hole | Panel thickness | Pack of |
|-------------|------|------|------|---------------|-----------------|---------|
| TP-1        | 12   | 12.7 | 4.4  | 5             | 1.0 ~ 2.0       | 10      |
| TP-2        | 15   | 15.7 | 4.4  | 5             | 1.0 ~ 2.0       | 10      |
| TP-3        | 17.2 | 19.2 | 7.9  | 8             | 0.8 ~ 1.2       | 10      |
| TP-4        | 18   | 20   | 10   | 8             | 1.0 ~ 2.5       | 10      |
| TP-5        | 19.8 | 20.8 | 6.4  | 8             | 1.0 ~ 2.5       | 10      |
| TP-6        | 19.5 | 23.7 | 13.7 | 8             | 1.0 ~ 2.5       | 10      |
| TP-7        | 26.5 | 29.4 | 15   | 10            | 1.0 ~ 3.5       | 10      |

**TM SERIES**

**PLASTIC FEET**

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



TM-1, TM-2

TM-1S, TM-3

- Plastic feet equipped with soft padding on the bottom to prevent sliding.

**Product no. / Dimensions**

| Product no. | A    | B    | H   | C   | D    | E   | F   | Feet material | Pad material | Color | Pack of |
|-------------|------|------|-----|-----|------|-----|-----|---------------|--------------|-------|---------|
| TM-1S       | 15.9 | 19.5 | 6.3 | 7   | 5.8  | 4   | 2.3 | ABS UL94HB    | Silicone     | Black | 10      |
| TM-1        | 20   | 21.8 | 10  | 7.2 | 8.5  | 3.5 | 4.5 | ABS UL94HB    | EVA          | Black | 10      |
| TM-2        | 20   | 21.8 | 15  | 7.2 | 13.5 | 3.5 | 4.5 | ABS UL94HB    | EVA          | Black | 10      |
| TM-3        | 25   | 30   | 7.8 | 8.1 | 6.8  | 3.3 | 2.7 | ABS UL94HB    | EVA          | Black | 10      |



AFS•AFM SERIES

ALUMINIUM ISOLATION FEET



- The surface treatment and finish allows the feet to exhibit a polished and luxurious feel.
- Non-slip NBR O-ring is present on the underside of the feet.
- Suitable for use in audio devices.

### Available in both internal and external screw installation type.

#### External type / Shot blast finish (AFS series)



The external type is secured via screws from the underside / base of the feet to the enclosure. A thread hole is required for direct securing, while a circular hole is required for lock nut securing.

The shot blast finish provides a high quality surface finish look, and pairing well with various types of enclosure surfaces.

Available in both silver and black.

#### Internal type / Reflective finish (AFM series)



The internal type is secured via screws from the inside of the enclosure. A circular hole is required for securing into the pre-made threads in the top-side of the feet.

The reflective surface finish adds a high quality touch to the unit, allow it to have a luxurious look.

Available only in Silver.

Accessories (Optional parts)

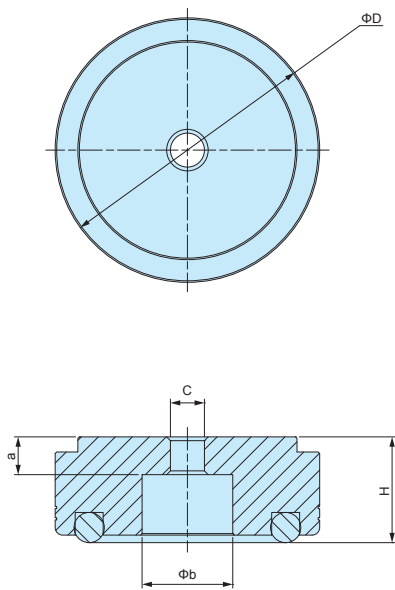
Product no. / Dimensions

| Product no. |           | D  | H  | Installation type | C    | a  | b  | Pack of |
|-------------|-----------|----|----|-------------------|------|----|----|---------|
| ● Silver    | ● Black   |    |    |                   |      |    |    |         |
| AFS20- 8S   | AFS20- 8B | 20 | 8  | Internal          | Φ3.4 | 3  | 9  | 4       |
| AFS25-10S   | AFS25-10B | 25 | 10 | Internal          | Φ4.5 | 4  | 12 | 4       |
| AFS30-12S   | AFS30-12B | 30 | 12 | Internal          | Φ4.5 | 5  | 12 | 4       |
| AFS35-14S   | AFS35-14B | 35 | 14 | Internal          | Φ4.5 | 5  | 12 | 4       |
| AFS39-16S   | AFS39-16B | 39 | 16 | Internal          | Φ4.5 | 5  | 15 | 4       |
| AFS44-18S   | AFS44-18B | 44 | 18 | Internal          | Φ4.5 | 5  | 20 | 4       |
| AFS55-20S   | AFS55-20B | 55 | 20 | Internal          | Φ5.5 | 5  | 20 | 4       |
| AFM15- 7S   | -         | 15 | 7  | External          | M3   | 4  | -  | 4       |
| AFM20- 9S   | -         | 20 | 9  | External          | M3   | 5  | -  | 4       |
| AFM25-12S   | -         | 25 | 12 | External          | M4   | 7  | -  | 4       |
| AFM30-14S   | -         | 30 | 14 | External          | M4   | 8  | -  | 4       |
| AFM35-16S   | -         | 35 | 16 | External          | M4   | 10 | -  | 4       |
| AFM39-18S   | -         | 39 | 18 | External          | M4   | 10 | -  | 4       |
| AFM44-20S   | -         | 44 | 20 | External          | M4   | 10 | -  | 4       |
| AFM55-22S   | -         | 55 | 22 | External          | M5   | 15 | -  | 4       |

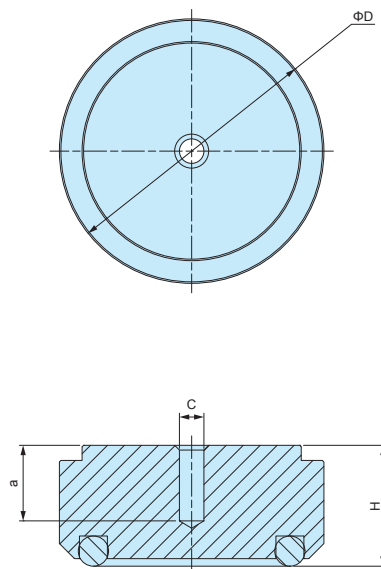
AFS • AFM dimensions

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

AFS SERIES



AFM SERIES



APPLICATION EXAMPLE

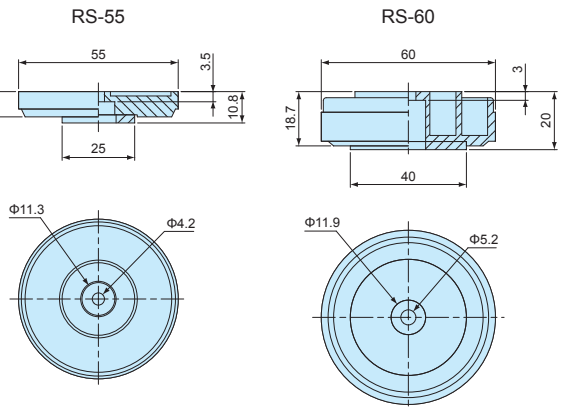
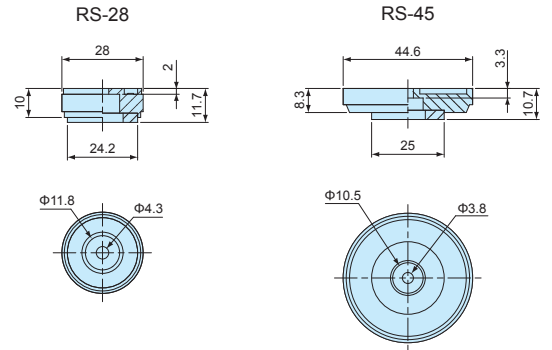


RS SERIES

PLATED PLASTIC FEET



- Suitable for audio equipment use.
- Elastomeric foam pad can be found at the underside of the feet.



Product no. / Dimensions

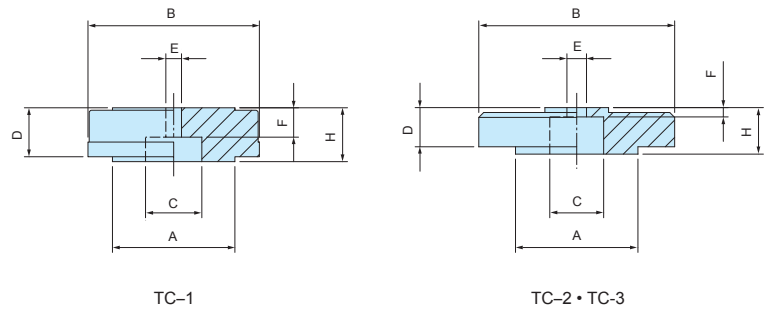
| Product no. |        | Material                     | Pack of |
|-------------|--------|------------------------------|---------|
| ● Silver    | ● Gold |                              |         |
| RS-28S      | RS-28G | ABS UL94HB / Polyester / EVA | 4       |
| RS-45S      | RS-45G | ABS UL94HB / Polyester / EVA | 4       |
| RS-55S      | RS-55G | ABS UL94HB / Polyester / EVA | 4       |
| RS-60S      | RS-60G | ABS UL94HB / Polyester / EVA | 4       |

TC SERIES

ALUMINIUM FEET



- Aluminium material gives it a refined and elegant look.
- Suitable for audio equipment use.
- Elastomeric foam pad can be found on the underside of the feet.



Product no. / Dimensions

| Product no. |        | A  | B  | C    | D    | E   | F   | H    | Material                     | Pack of |
|-------------|--------|----|----|------|------|-----|-----|------|------------------------------|---------|
| ● Silver    | ● Gold |    |    |      |      |     |     |      |                              |         |
| TC-1S       | TC-1G  | 25 | 35 | 11.5 | 9.7  | 3.4 | 5.6 | 11.5 | ABS UL94HB / Aluminium / EVA | 4       |
| TC-2S       | TC-2G  | 25 | 40 | 11   | 10.2 | 4.1 | 2.1 | 12   | ABS UL94HB / Aluminium / EVA | 4       |
| TC-3S       | TC-3G  | 25 | 45 | 11.7 | 12   | 4.2 | 7.5 | 15   | ABS UL94HB / Aluminium / EVA | 4       |



Application Example

- Double shot injection molded feet with soft and well-designed rounded shape.
- Non-slip design with Elastomer (TPE) pad.
- Available in 3 different color patterns.

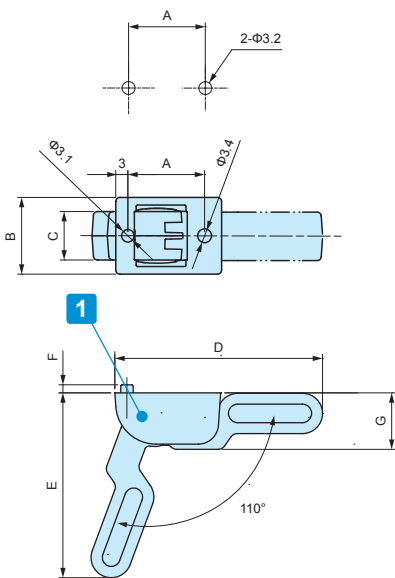
| Technical Data |
|----------------|
| Max load : 7kg |

**Components**

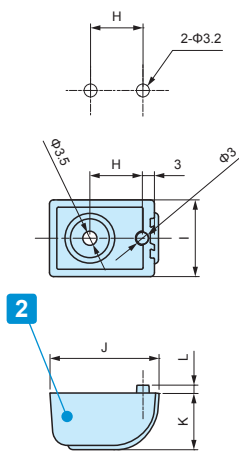
| No. | Part name         | Pcs | Material            | Color / Finish                                  |
|-----|-------------------|-----|---------------------|---|
| 1   | Front feet        | 2   | PC+ABS UL94V-0, TPE | Black & Black • Navy & Gray • Light gray & Gray |
| 2   | Rear Feet         | 2   | PC+ABS UL94V-0, TPE | Black & Black • Navy & Gray • Light gray & Gray |
| -   | Washer head screw | 4   | Steel M3-6          | Black Trivalent chromate                        |
| -   | Nut               | 4   | Steel M3            | Black Trivalent chromate                        |

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

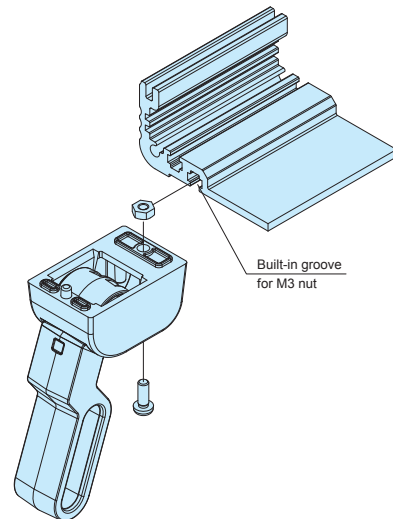
Mounting hole (Front)



Mounting Hole (Rear)



- Possible to install on Built-in groove with M3 nut for all EXP • EXPE • EXW • EX • EXH models with width 185mm or larger bottom covers.
- TLW-70E models are exclusively for width 185mm or larger bottom covers.



**Product no. / Dimensions**

| Product no.          | A  | B  | C  | D    | E    | F | G    | H  | I  | J  | K    | L | Color (plastic) | Color (TPE) | Weight (g) |
|----------------------|----|----|----|------|------|---|------|----|----|----|------|---|-----------------|-------------|------------|
| TLW-46BB             | 19 | 19 | 12 | 51.2 | 45.9 | 2 | 14   | 13 | 19 | 27 | 14   | 2 | Black           | Black       | 23         |
| TLW-46NG             | 19 | 19 | 12 | 51.2 | 45.9 | 2 | 14   | 13 | 19 | 27 | 14   | 2 | Navy            | Gray        | 23         |
| TLW-46LG             | 19 | 19 | 12 | 51.2 | 45.9 | 2 | 14   | 13 | 19 | 27 | 14   | 2 | Light gray      | Gray        | 23         |
| <b>NEW</b> TLW-70EBB | 30 | 25 | 16 | 75.4 | 69   | 3 | 21.5 | 20 | 25 | 39 | 21.5 | 3 | Black           | Black       | 59         |
| <b>NEW</b> TLW-70ENG | 30 | 25 | 16 | 75.4 | 69   | 3 | 21.5 | 20 | 25 | 39 | 21.5 | 3 | Navy            | Gray        | 59         |
| <b>NEW</b> TLW-70ELG | 30 | 25 | 16 | 75.4 | 69   | 3 | 21.5 | 20 | 25 | 39 | 21.5 | 3 | Light gray      | Gray        | 59         |



# TLW SERIES TILT LEG



Application Example

- Double shot injection molded feet with soft and well-designed rounded shape.
- Non-slip design with Elastomer (TPE) pad.
- Available in 3 different color combinations on TLW-46 models, and 2 different color combinations on TLW-70 models.

| Technical Data |
|----------------|
| Max load : 7kg |

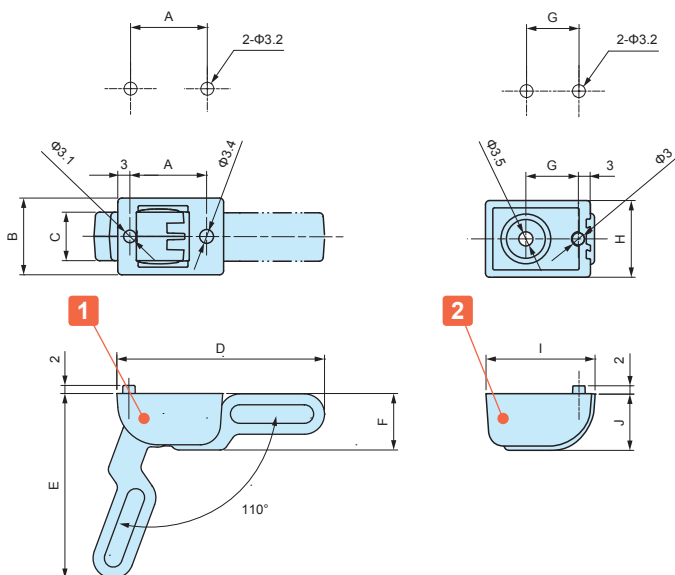
### Components

| No. | Part name         | Pcs | Material            | Color / Finish                                  |
|-----|-------------------|-----|---------------------|---|
| 1   | Front feet        | 2   | PC+ABS UL94V-0, TPE | Black & Black • Navy & Gray • Light gray & Gray |
| 2   | Rear Feet         | 2   | PC+ABS UL94V-0, TPE | Black & Black • Navy & Gray • Light gray & Gray |
| -   | Washer head screw | 4   | Steel M3-6          | Black Trivalent chromate                        |
| -   | Nut               | 4   | Steel M3            | Black Trivalent chromate                        |

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

Mounting hole (Front)

Mounting Hole (Rear)



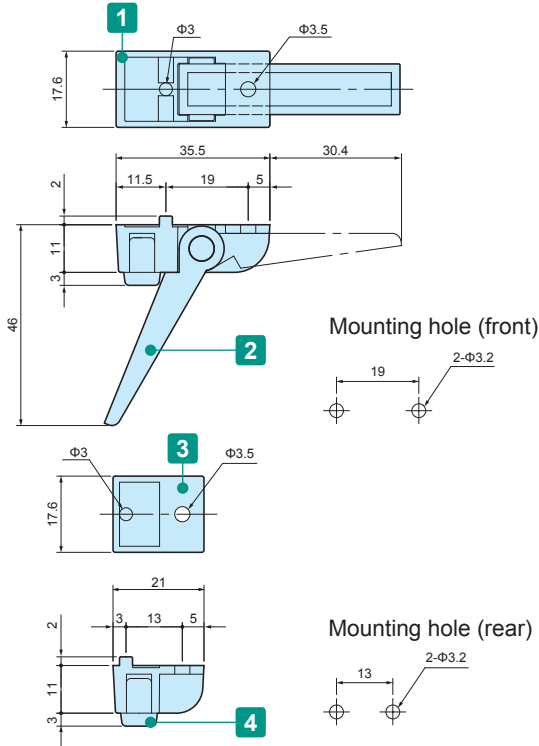
- Possible to be installed on both plastic and aluminum enclosures.



### Product no. / Dimensions

| Product no.         | A  | B  | C  | D    | E    | F    | G  | H  | I  | J    | Color (plastic) | Color (TPE) | Weight (g) |
|---------------------|----|----|----|------|------|------|----|----|----|------|-----------------|-------------|------------|
| TLW-46BB            | 19 | 19 | 12 | 51.2 | 45.9 | 14   | 13 | 19 | 27 | 14   | Black           | Black       | 23         |
| TLW-46NG            | 19 | 19 | 12 | 51.2 | 45.9 | 14   | 13 | 19 | 27 | 14   | Navy            | Gray        | 23         |
| TLW-46LG            | 19 | 19 | 12 | 51.2 | 45.9 | 14   | 13 | 19 | 27 | 14   | Light gray      | Gray        | 23         |
| <b>NEW</b> TLW-70BB | 30 | 25 | 16 | 75.4 | 69   | 21.5 | 20 | 25 | 39 | 21.5 | Black           | Black       | 59         |
| <b>NEW</b> TLW-70LG | 30 | 25 | 16 | 75.4 | 69   | 21.5 | 20 | 25 | 39 | 21.5 | Light gray      | Gray        | 59         |

**TL SERIES TILT LEG**



**Components**

\* Maximum load = 7 kg

| No. | Part name   | Pcs | Material   | Color / Finish            |
|-----|-------------|-----|------------|---------------------------|
| 1   | Front feet  | 2   | ABS UL94HB | Black • Gray • Light gray |
| 2   | Leg         | 2   | ABS UL94HB | Black • Gray • Light gray |
| 3   | Rear feet   | 2   | ABS UL94HB | Black • Gray • Light gray |
| 4   | Rubber feet | 4   | EPDM       | Gray • Black              |
| -   | Screw       | 4   | Steel      | Black trivalent chromate  |

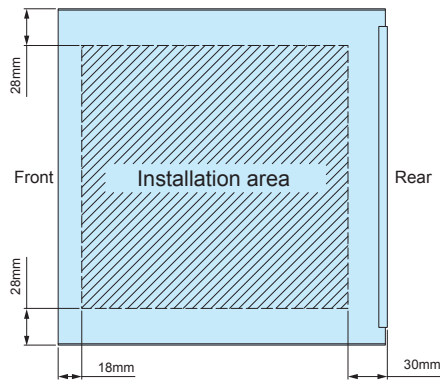
■ Included screws: M3-8 and M3 nut (with washer) set.

**Product no. / Dimensions**

| Product no. | Color (body) | Color (rubber feet) | Sales unit |
|-------------|--------------|---------------------|------------|
| ● TL-45BB   | Black        | Black               | 1 set      |
| ● TL-45GG   | Gray         | Gray                | 1 set      |
| ● TL-45SG   | Light gray   | Gray                | 1 set      |

■ EPDM (black) may have its color migrate onto the placement surface.

**MS SERIES INSTALLATION AREA**



**CBF SERIES CABLE HOOK**



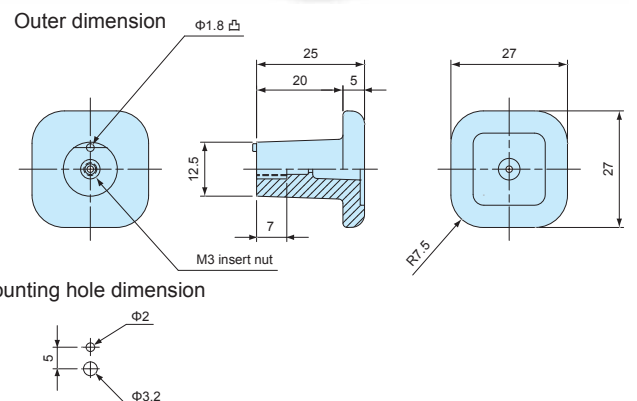
APPLICATION EXAMPLE

- Used for wrapping and securing cords and wires.
- Can be used with a variety of different enclosure series and models.
- Requires a panel thickness of between 1.0 ~ 3.0mm.

**Product no. / Dimensions**

| Product no. |         | Material | Pack of |
|-------------|---------|----------|---------|
| ● Gray      | ● Black |          |         |
| CBF-1G      | CBF-1B  | POM      | 4       |

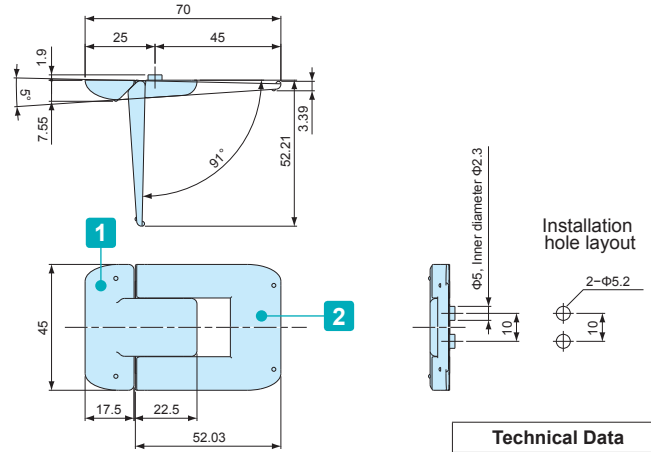
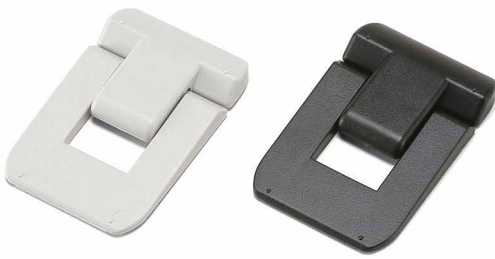
■ Included screws: M3-8 trivalent chromate (with washer) x 4 pcs





**TI SERIES**

**TILT STAND**



Installation Example

**Components**

| No. | Part name                     | Pcs | Material   | Color / Finish     |
|-----|-------------------------------|-----|------------|--------------------|
| 1   | Body                          | 1   | ABS UL94HB | Black • Light gray |
| 2   | Leg                           | 1   | ABS UL94HB | Black • Light gray |
| —   | Screw (M3-6 Pan head tapping) | 2   | Steel      | Trivalent chromate |

**Product no.**

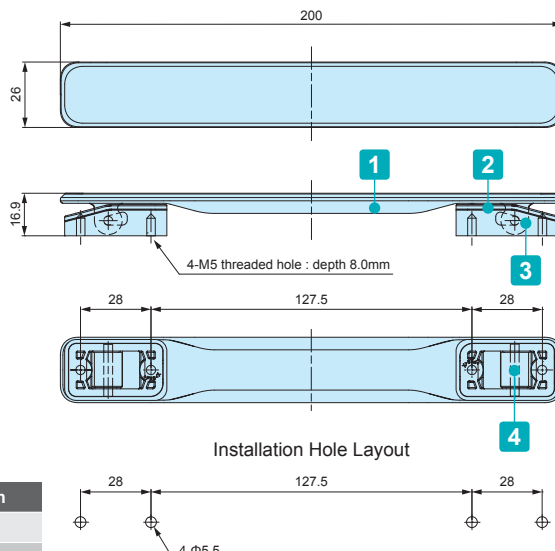
| Product no. |              |
|-------------|--------------|
| ● Black     | ● Light Gray |
| TI-70B      | TI-70S       |

FM200 SERIES

ELASTOMER CARRYING HANDLE



DXF/DWG/PDF drawings available on our website.



Comfortable and easy to grip elastomer handle.

| Technical Data  |  |
|-----------------|--|
| Max load : 20kg |  |

Components

| No. | Part name                     | Pcs | Material | Color / Finish     |
|-----|-------------------------------|-----|----------|--------------------|
| 1   | Grip                          | 1   | PU       | Black • Gray       |
| 2   | Base                          | 2   | PA6      | Black • Gray       |
| 3   | Base cover                    | 2   | ABS      | Black • Gray       |
| 4   | Shaft                         | 2   | SWCH     | Nickel plated      |
| —   | Screw (Pan head tapping M5-8) | 4   | Steel    | Trivalent chromate |

Product no.

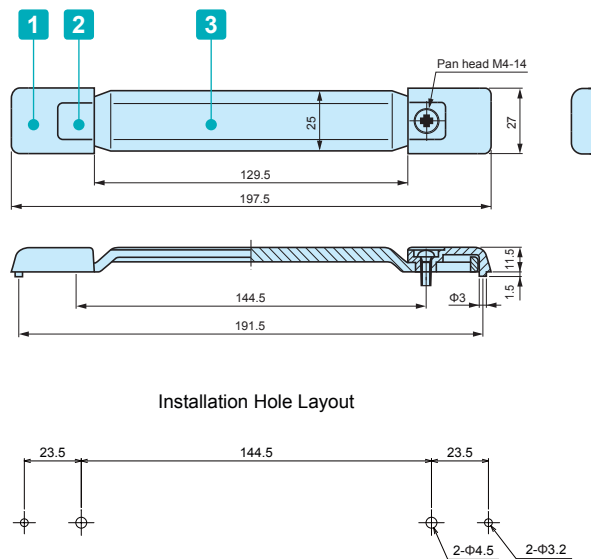
| Product no. |            |
|-------------|------------|
| ● Black     | ● Gray     |
| NEW FM200B  | NEW FM200G |

MH SERIES

CARRYING HANDLE



DXF/DWG/PDF drawings available on our website.



Components

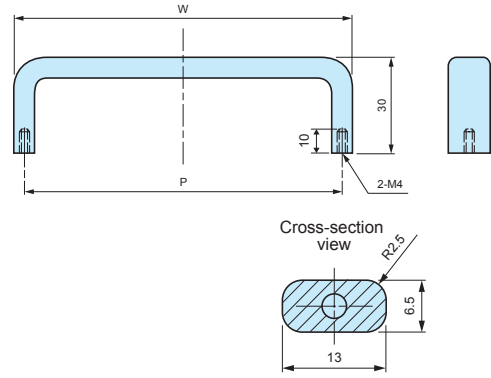
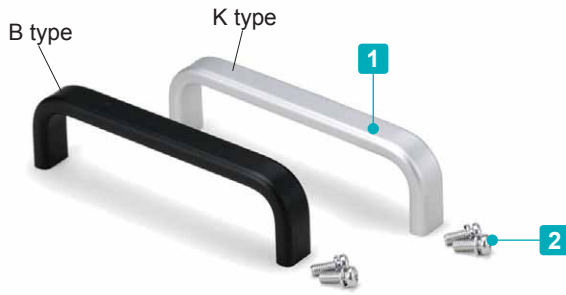
| No. | Part name              | Pcs | Material       | Color / Finish     |
|-----|------------------------|-----|----------------|--------------------|
| 1   | Holder                 | 2   | PC + ABS       | Black • Gray       |
| 2   | Blind cap              | 2   | PP + Elastomer | Black • Gray       |
| 3   | Grip                   | 1   | PP + Elastomer | Black • Gray       |
| —   | Screw (Pan head M4-14) | 2   | Steel          | Trivalent chromate |
| —   | Nut                    | 2   | Steel          | Trivalent chromate |
| —   | Spring washer          | 2   | Steel          | Trivalent chromate |

Product no.

| Product no. |         |
|-------------|---------|
| ● Black     | ● Gray  |
| MH-197B     | MH-197G |

| Technical Data  |  |
|-----------------|--|
| Max load : 20kg |  |

**OH SERIES ALUMINIUM HANDLE**



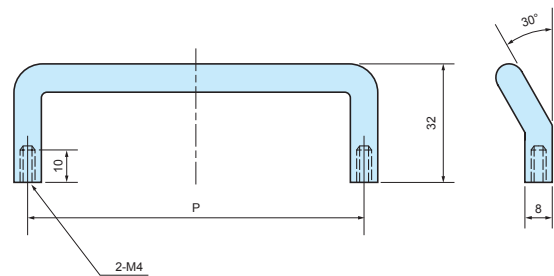
**Components**

| No. | Part name                                 | Pcs | Material                     | Color / Finish     |
|-----|---|-----|------------------------------|--------------------|
| 1   | Handle                                    | 1   | Extruded aluminium A6063S-T5 | Matte anodized     |
| 2   | Screw (M4-10 Pan head with spring washer) | 2   | Steel                        | Trivalent chromate |

**Product no. / Dimensions**

| Product no.            |                         | P   | W     | Pack of |
|------------------------|-------------------------|-----|-------|---------|
| ● Black matte anodized | ● Silver matte anodized |     |       |         |
| OH- 55B                | OH- 55K                 | 55  | 61.5  | 2       |
| OH- 70B                | OH- 70K                 | 70  | 76.5  | 2       |
| OH- 85B                | OH- 85K                 | 85  | 91.5  | 2       |
| OH-100B                | OH-100K                 | 100 | 106.5 | 2       |
| OH-120B                | OH-120K                 | 120 | 126.5 | 2       |
| OH-140B                | OH-140K                 | 140 | 146.5 | 2       |
| OH-170B                | OH-170K                 | 170 | 176.5 | 2       |

**KH SERIES ANGLED ALUMINIUM HANDLE**



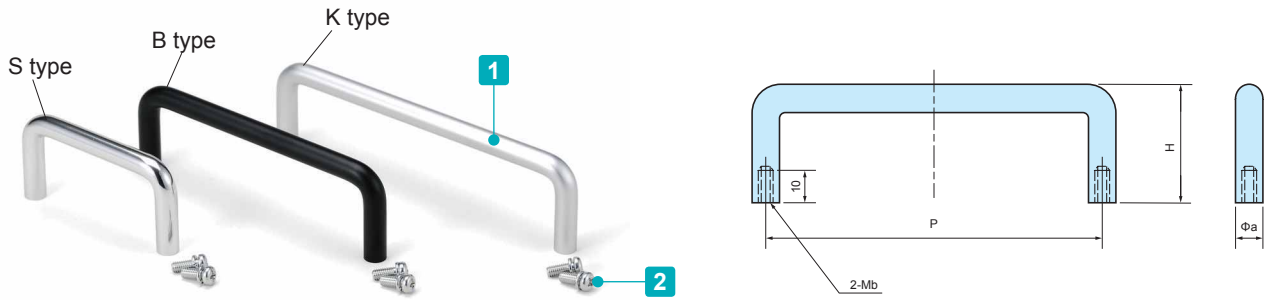
**Components**

| No. | Part name                                 | Pcs | Material                  | Color / Finish            |
|-----|---|-----|---------------------------|---------------------------|
| 1   | Handle                                    | 1   | Extruded aluminium A5056S | Polished • Matte anodized |
| 2   | Screw (M4-10 Pan head with spring washer) | 2   | Steel                     | Trivalent chromate        |

**Product no. / Dimensions**

| Product no.       |                        | P   | Pack of |
|-------------------|------------------------|-----|---------|
| ● Silver polished | ● Black matte anodized |     |         |
| KH- 70S           | KH- 70B                | 70  | 2       |
| KH-100S           | KH-100B                | 100 | 2       |

## BH SERIES ROUNDED ALUMINIUM HANDLE



### Components

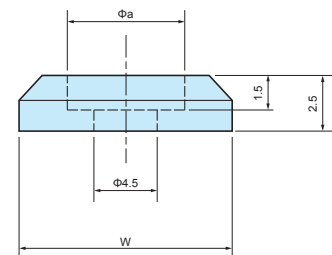
| No. | Part name | Pcs | Material                  | Color / Finish            |
|-----|-----------|-----|---------------------------|---------------------------|
| 1   | Handle    | 1   | Extruded aluminium A5056S | Polished • Matte anodized |
| 2   | Screw     | 2   | Steel                     | Trivalent chromate        |

### Product no. / Dimensions

■ K type only available on BH-100, 120, 150, and 180 models.

| Product no.       |                        |                         | P   | H  | a | b | Pack of |
|-------------------|------------------------|-------------------------|-----|----|---|---|---------|
| ● Silver polished | ● Black matte anodized | ● Silver matte anodized |     |    |   |   |         |
| BH- 26S           | BH- 26B                | -                       | 26  | 25 | 6 | 3 | 2       |
| BH- 30S           | BH- 30B                | -                       | 30  | 35 | 8 | 4 | 2       |
| BH- 50S           | BH- 50B                | -                       | 50  | 35 | 8 | 4 | 2       |
| BH- 60S           | BH- 60B                | -                       | 60  | 35 | 8 | 4 | 2       |
| BH- 70S           | BH- 70B                | -                       | 70  | 35 | 8 | 4 | 2       |
| BH- 80S           | BH- 80B                | -                       | 80  | 35 | 8 | 4 | 2       |
| BH-100S           | BH-100B                | BH-100K                 | 100 | 35 | 8 | 4 | 2       |
| BH-110S           | BH-110B                | -                       | 110 | 35 | 8 | 4 | 2       |
| BH-120S           | BH-120B                | BH-120K                 | 120 | 35 | 8 | 4 | 2       |
| BH-150S           | BH-150B                | BH-150K                 | 150 | 35 | 8 | 4 | 2       |
| BH-180S           | BH-180B                | BH-180K                 | 180 | 35 | 8 | 4 | 2       |

## Z-P SERIES WASHER for HANDLE



■ Brass washer for BH • KH series.

### Product no. / Dimensions

■ Material / Brass

| Product no.   |               | W  | a   | Pack of |
|---------------|---------------|----|-----|---------|
| Chrome plated | Black painted |    |     |         |
| Z-P6S         | Z-P6B         | 10 | 6.2 | 10      |
| Z-P8S         | Z-P8B         | 12 | 8.2 | 10      |

**HK SERIES**

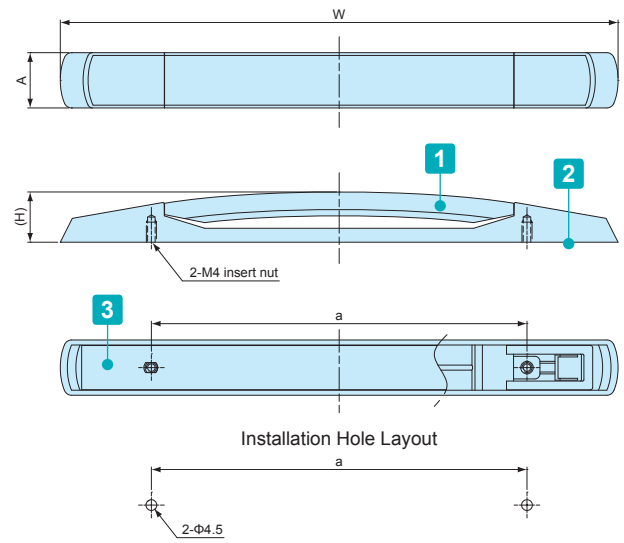
**ELASTOMER CARRYING HANDLE**

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



■ Elastomer handle that is comfortable to grip.

| Technical Data  |  |
|-----------------|--|
| Max load : 20kg |  |



**Components**

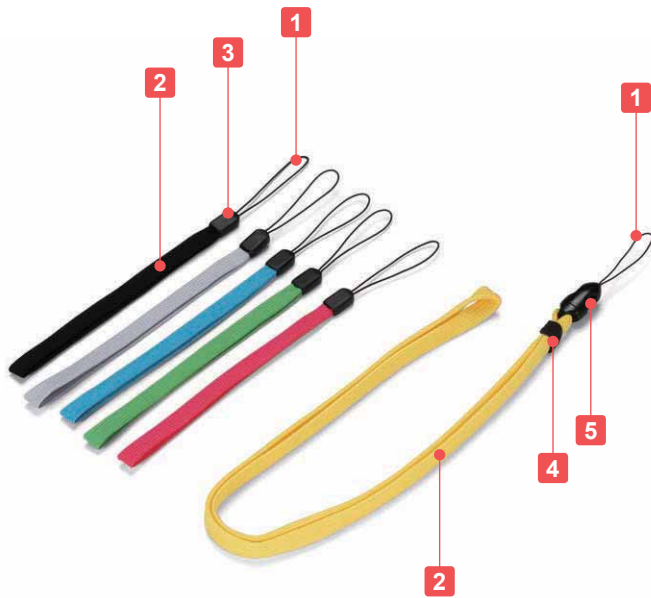
| No. | Part name                          | Pcs | Material        | Color / Finish     |
|-----|------------------------------------|-----|-----------------|--------------------|
| 1   | Grip                               | 1   | Elastomer       | Black              |
| 2   | Base                               | 1   | Polyamide       | Black              |
| 3   | Reinforcement                      | 1   | Stainless steel | Unfinished         |
| —   | Screw (Pan head M4-10 with washer) | 2   | Steel           | Trivalent chromate |

**Product no. / Dimensions**

| Product no. | W     | A  | H  | a     |
|-------------|-------|----|----|-------|
| HK-1        | 222.5 | 22 | 20 | 149.5 |
| HK-3        | 183   | 22 | 17 | 110.7 |

STPS SERIES

STRAP



Wrist strap (STPS-140P)



Neck strap (STPS-450Y)



- Colorful and sturdy straps best used with CSS, CS and PS series.
- Wrist and Neck straps are available in 6 unique colors.
- Neck strap comes with a quick-release joint, making removal or attachment quick and easy.



Color Type

| Code  | P Pink | Y Yellow | G Green | C Cyan | L Light gray | B Black |
|-------|--------|----------|---------|--------|--------------|---------|
| Color |        |          |         |        |              |         |

Components

| No. | Part name               | Material   | Color   |
|-----|-------------------------|------------|---|
| 1   | String                  | Polyester  | Black   |
| 2   | Strap                   | Polyester  | Pink • Yellow • Green • Cyan • Light gray • Black |
| 3   | Cap (wrist strap only)  | Nylon      | Black   |
| 4   | Clamp (neck strap only) | Elastomer  | Black   |
| 5   | Joint (neck strap only) | Polyacetal | Black   |

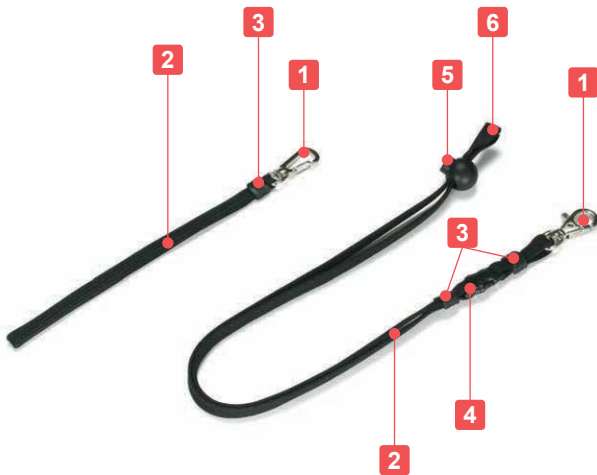
Product no. / Dimensions

| Product no. |           |           |           |            |           | Strap width | Strap length |
|-------------|-----------|-----------|-----------|------------|-----------|-------------|--------------|
| Pink        | Yellow    | Green     | Cyan      | Light gray | Black     |             |              |
| STPS-140P   | STPS-140Y | STPS-140G | STPS-140C | STPS-140L  | STPS-140B | 8           | 140          |
| STPS-450P   | STPS-450Y | STPS-450G | STPS-450C | STPS-450L  | STPS-450B | 10          | 450          |



STP SERIES

STRAP



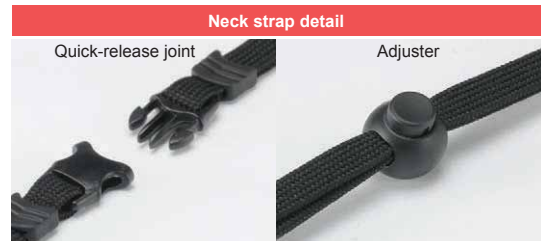
Wrist strap (STP-200)



Neck strap (STP-450)



- Strap with a metal hook
- Recommended to be used with CR key ring.



■ Only the neck strap has a joint and an adjuster.

Components

| No. | Part name                  | Pcs   | Material                 | Color / Finish |
|-----|----------------------------|-------|--------------------------|----------------|
| 1   | Metal hook                 | 1     | Diecast zinc & steel     | Nickel plated  |
| 2   | Strap                      | 1     | Nylon / Polyester        | Black          |
| 3   | Cap                        | 1 / 2 | Polyurethane / Elastomer | Black          |
| 4   | Joint (Neck strap only)    | 1     | Polyacetal               | Black          |
| 5   | Adjuster (Neck strap only) | 1     | Nylon                    | Black          |
| 6   | Clamp (Neck strap only)    | 1     | PE                       | Black          |

Product no. / Dimensions

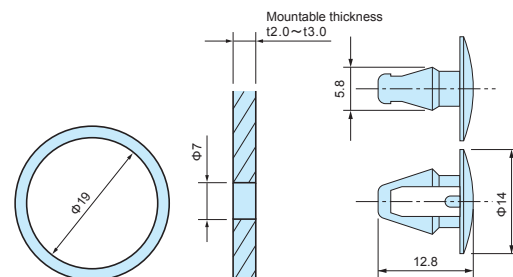
| Product no. | Strap width | Strap length | Strap material | Cap material     |
|-------------|-------------|--------------|----------------|------------------|
| STP-200     | 8           | 200          | Nylon          | Polyurethane x 1 |
| STP-450     | 10          | 450          | Polyester      | Elastomer x 2    |

CR-20

KEY RING



- Hole milling is required for case installation.



Components

| Part name   | Material     | Color / Finish |
|-------------|--------------|----------------|
| Ring        | SWRM 6 Steel | Nickel plated  |
| Insert clip | Nylon        | Black          |

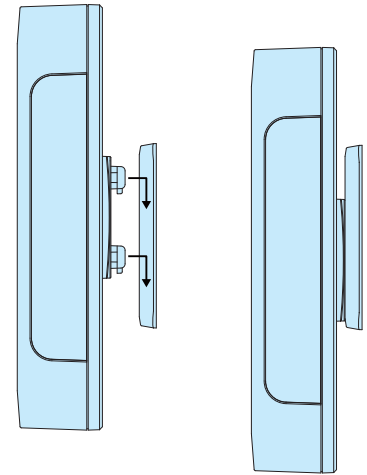
Product no. / Dimensions

| Product no. | Ring $\Phi$ | Installation hole | Mounting thickness |
|-------------|-------------|-------------------|--------------------|
| CR-20       | $\phi 19$   | $\phi 7$          | t2.0 ~ t3.0        |

WM SERIES

SUSPENSION BRACKET

How to install

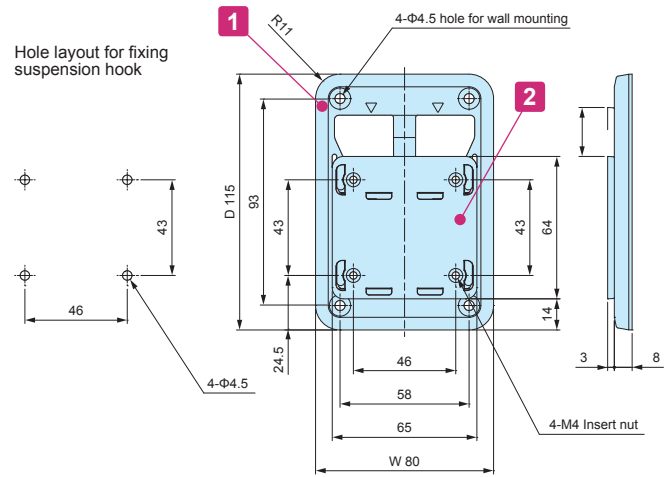
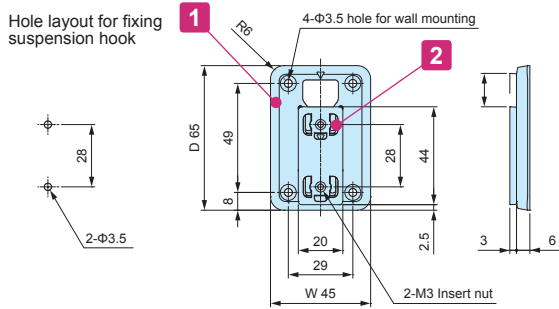


- Plastic wall mounting bracket. Easy attachment and removal.
  - Large and small brackets are available.
  - Applicable not only for the PF series, but also other plastic/metal enclosures with a panel thickness of 0.8 ~ 3.5mm.
  - To attach the suspension hook onto the enclosure, hole milling is required.
- 
- The max load values listed are static load values only. Use caution when handling.
  - Please be aware of the insertion direction of the suspension hook against the mounting base when attaching.

| Technical Data                        |
|---------------------------------------|
| Max load : 2 kg - WM-1<br>5 kg - WM-2 |

WM-1

WM-2



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

Components

| No. | Part name       | Pcs   | Material                  | Color / Finish        |
|-----|-----------------|-------|---------------------------|-----------------------|
| 1   | Mounting base   | 1     | PC + ABS UL94HB           | Off-white • Dark gray |
| 2   | Suspension hook | 1     | PC + ABS UL94HB           | Off-white • Dark gray |
| -   | Insert nut      | 2 / 4 | Brass                     | Unfinished            |
| -   | Screw           | 2     | M3-8 Steel binding = WM-1 | Nickel plated         |
| -   | Screw           | 4     | M4-8 Steel binding = WM-2 | Nickel plated         |

Product no. / Dimensions

| Product no. |             | Dimensions |     | Mountable thickness | Weight (g) |
|-------------|-------------|------------|-----|---------------------|------------|
| ● Off-white | ● Dark gray | W          | D   |                     |            |
| WM-1W       | WM-1D       | 45         | 65  | t0.8 ~ t3.5         | 11.5       |
| WM-2W       | WM-2D       | 80         | 115 | t0.8 ~ t3.5         | 48         |

NMG SERIES

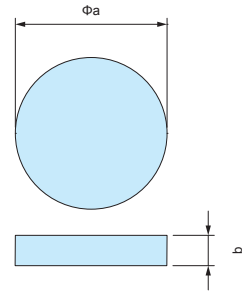
NEODYMIUM MAGNET



Round magnet



- Material / Finish: Neodymium / Nickel plated
- Please attach using a strong adhesive.



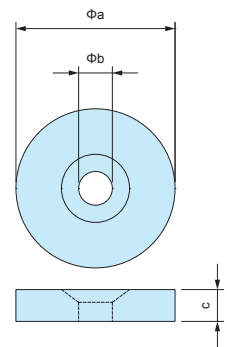
Components

| Product no. | a  | b | Weight (g) | Flus Density | Adsorption |
|-------------|----|---|------------|--------------|------------|
| NMG3-15N    | 15 | 3 | 4          | 214.4 mT     | 2.44 kgf   |
| NMG3-20N    | 20 | 3 | 7.1        | 170.7 mT     | 3.26 kgf   |
| NMG5-22N    | 22 | 5 | 11.4       | 247.2 mT     | 5.91 kgf   |
| NMG5-25N    | 25 | 5 | 18.4       | 221.9 mT     | 6.89 kgf   |

Round magnet with countersunk hole



- Please fasten with a screw.



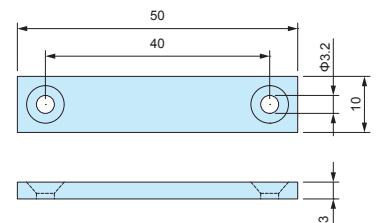
Components

| Product no. | a  | b   | c | Countersunk size | Weight (g) | Flus Density | Adsorption |
|-------------|----|-----|---|------------------|------------|--------------|------------|
| NMG3-15M3   | 15 | 3.2 | 3 | M3               | 3.8        | 214.3 mT     | 2.33 kgf   |
| NMG3-20M3   | 20 | 3.2 | 3 | M3               | 6.9        | 170.6 mT     | 3.17 kgf   |
| NMG5-22M4   | 22 | 4.3 | 5 | M4               | 13.7       | 247.2 mT     | 5.68 kgf   |
| NMG5-25M5   | 25 | 5.3 | 5 | M5               | 17.6       | 221.9 mT     | 6.58 kgf   |

Rectangular magnet with countersunk holes



- Please fasten with a screw.



Components

| Product no. | a  | b  | c | Countersunk size | Weight (g) | Flus Density | Adsorption |
|-------------|----|----|---|------------------|------------|--------------|------------|
| NMG3-50M3   | 50 | 10 | 3 | M3               | 11.3       | 210.0 mT     | 9.1 kgf    |

Example 1 The magnetic force remains strong even through plastic.

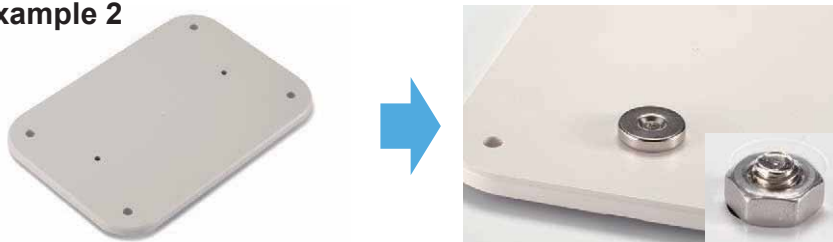


Make recessed pocket on the inside wall.

Glue on.

Attach onto a metallic surface.

Example 2



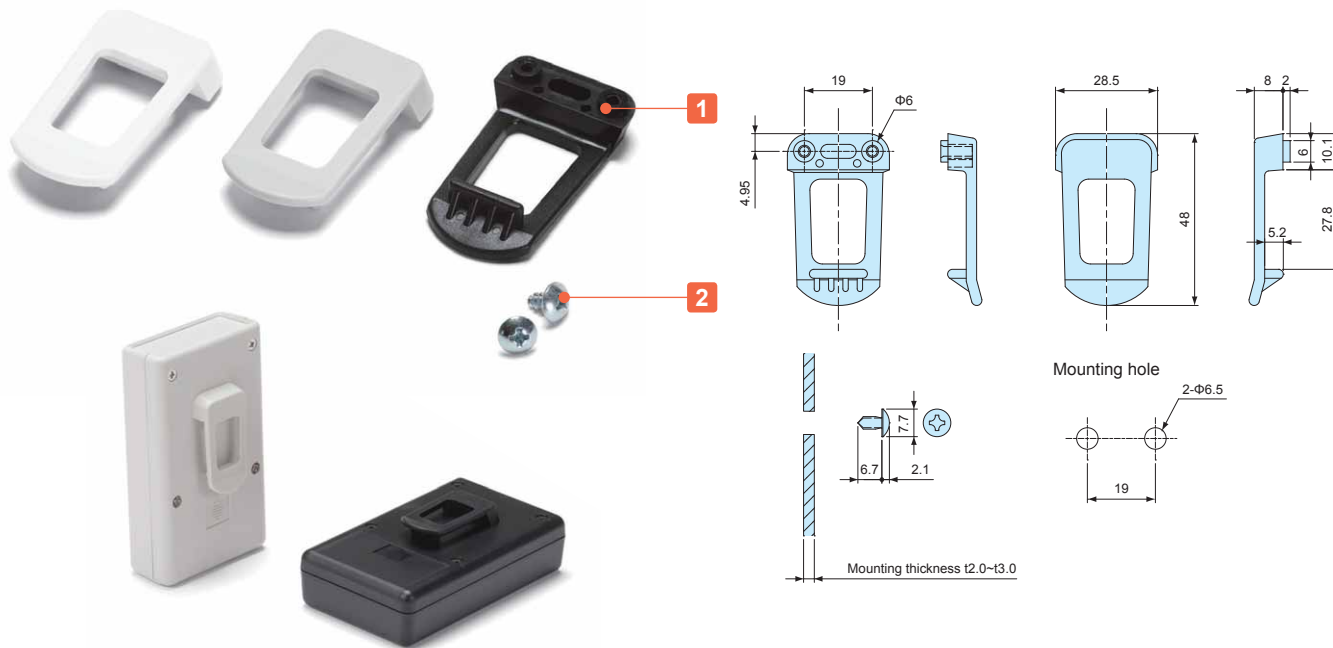
Make holes

Fasten with a screw and nut.

Attach onto a metallic surface.

**CAUTION: Handle with care to avoid personal injury or damage to the magnet.**

DXF/DWG/PDF drawings available on our website.



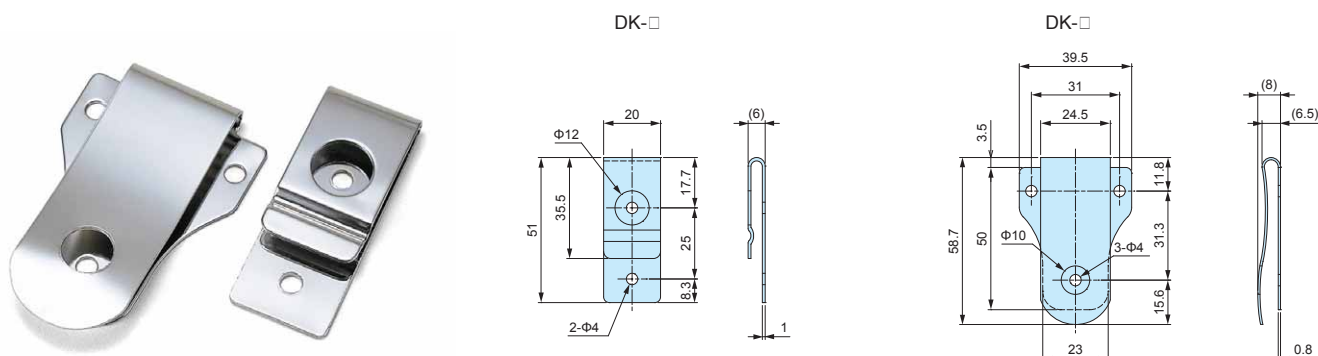
New White color type is added to match LC, PF, and TWN series color.

**Components**

| No. | Holder material | Pcs | Material     | Color / Finish             |
|-----|-----------------|-----|--------------|----------------------------|
| 1   | Clip            | 1   | ABS UL94HB   | White • White gray • Black |
| 2   | Screw           | 2   | Steel M3.5-6 | Zinc plated                |

**Product no. / Dimensions**

| Product no.       |              |         | W    | H  | D  |
|-------------------|--------------|---------|------|----|----|
| ● White           | ● White gray | ● Black |      |    |    |
| <b>NEW</b> GDH-1W | GDH-1G       | GDH-1B  | 28.5 | 10 | 48 |



**Product no. / Dimensions**

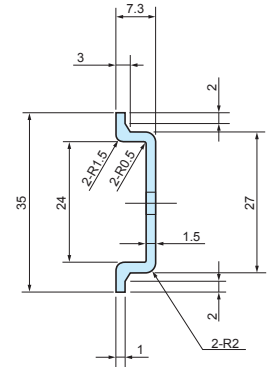
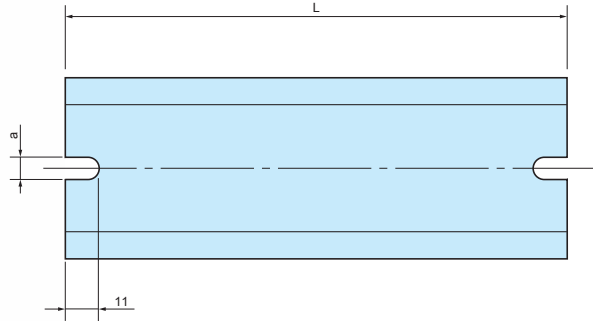
| Product no. | Material         | Finish        |
|-------------|------------------|---------------|
| DK-1        | Steel SPCC t=1.0 | Chrome plated |
| DK-2        | Steel SPCC t=0.8 | Chrome plated |

FDR SERIES

DIN-RAIL



- DIN rail for installation of terminals, relays or switches inside enclosures.
- Available in different models and lengths to fit a wide variety of mounting boss pitch.
- FDR-1000 is available if customized length is required.



Feature

| Material                     | Finish          |
|------------------------------|-----------------|
| Extruded Aluminium A6063S-T5 | Silver anodized |

Product no. / Dimensions

| Product no. | L   | a   | Matching boss pitch |
|-------------|-----|-----|---------------------|
| FDR- 50     | 50  | 4.2 | 32 ~ 42             |
| 57          | 57  | 4.2 | 39 ~ 49             |
| 66          | 66  | 4.2 | 48 ~ 58             |
| 77          | 77  | 4.2 | 59 ~ 69             |
| 80          | 80  | 4.2 | 62 ~ 72             |
| 87          | 87  | 4.2 | 69 ~ 79             |
| 92          | 92  | 4.2 | 74 ~ 84             |
| 100         | 100 | 4.2 | 82 ~ 92             |
| 106         | 106 | 4.2 | 88 ~ 98             |
| 110         | 110 | 4.2 | 92 ~ 102            |
| 120         | 120 | 4.2 | 102 ~ 112           |
| 128         | 128 | 4.2 | 110 ~ 120           |
| 137         | 137 | 4.2 | 119 ~ 129           |
| 142         | 142 | 4.2 | 124 ~ 134           |
| 146         | 146 | 4.2 | 128 ~ 138           |
| 150         | 150 | 4.2 | 132 ~ 142           |
| 168         | 168 | 4.2 | 150 ~ 160           |
| 170         | 170 | 4.2 | 152 ~ 162           |
| 186         | 186 | 4.2 | 168 ~ 178           |
| 202         | 202 | 4.2 | 184 ~ 194           |
| 205         | 205 | 4.2 | 187 ~ 197           |
| 223         | 223 | 4.2 | 205 ~ 215           |
| 226         | 226 | 4.2 | 208 ~ 218           |
| 235         | 235 | 4.2 | 217 ~ 227           |
| 242         | 242 | 4.2 | 224 ~ 234           |
| 249         | 249 | 4.2 | 231 ~ 241           |
| 283         | 283 | 4.2 | 265 ~ 275           |
| 300         | 300 | 4.2 | 282 ~ 292           |
| 350         | 350 | 4.2 | 332 ~ 342           |
| 450         | 450 | 4.2 | 432 ~ 442           |
| 550         | 550 | 4.2 | 532 ~ 542           |

| Product no.     | L    | a   | Matching boss pitch |
|-----------------|------|-----|---------------------|
| FDR-B102        | 102  | 6.5 | 86 ~ 92             |
| <b>NEW</b> B124 | 124  | 6.5 | 108 ~ 114           |
| B142            | 142  | 6.5 | 126 ~ 132           |
| B160            | 160  | 6.5 | 144 ~ 150           |
| B165            | 165  | 6.5 | 149 ~ 155           |
| B176            | 176  | 6.5 | 160 ~ 166           |
| B183            | 183  | 6.5 | 167 ~ 173           |
| B223            | 223  | 6.5 | 207 ~ 213           |
| B260            | 260  | 6.5 | 244 ~ 250           |
| B283            | 283  | 6.5 | 267 ~ 273           |
| B303            | 303  | 6.5 | 287 ~ 293           |
| B338            | 338  | 6.5 | 322 ~ 328           |
| B360            | 360  | 6.5 | 344 ~ 350           |
| B376            | 376  | 6.5 | 360 ~ 366           |
| B383            | 383  | 6.5 | 367 ~ 373           |
| B463            | 463  | 6.5 | 447 ~ 453           |
| B560            | 560  | 6.5 | 544 ~ 550           |
| B623            | 623  | 6.5 | 607 ~ 613           |
| FDR-1000        | 1000 | —   | —                   |

■ FDR-1000 does not have mounting holes.

Matching DIN-Rail Chart

BC□□ series

| Product no. | Matching DIN-Rail |
|-------------|-------------------|
| 091207      | FDR - 80          |
| 091208      | 80                |
| 101507      | 110               |
| 101508      | 110               |
| 112107      | 170               |
| 112110      | 170               |
| 112607      | 223               |
| 112610      | 223               |
| BCAP        |                   |
| BCPC        |                   |
| BCPK        |                   |
| BCAR        |                   |
| BCPR        |                   |
| 131508      | 120               |
| 131808      | 150               |
| 131810      | 150               |
| 151509      | 120               |
| 151512      | 120               |
| 162110      | 170               |
| 162113      | 170               |
| 162610      | 223               |
| 162613      | 223               |
| 172211      | 170               |
| 172711      | 223               |

BDN series

| Product no. | Matching DIN-Rail |
|-------------|-------------------|
| 6- 8- 5     | FDR - 50          |
| 7-10- 4     | -                 |
| 9- 9- 6     | FDR - 80          |
| 9-13- 5     | 120               |
| 10-14- 7    | 128               |
| 11-16- 6    | 150               |
| 12-22- 8    | 205               |
| 16-26- 9    | 242               |

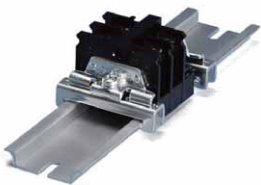
BCAS series

| Product no. | Matching DIN-Rail |
|-------------|-------------------|
| 071005      | FDR - 92          |
| 080806      | 66                |
| 081104      | 92                |
| 081107      | 92                |
| 081108      | 92                |
| 081110      | 92                |
| 081307      | 110               |
| 081308      | 110               |
| 081807      | 168               |
| 081808      | 168               |
| 082507      | 235               |
| 082508      | 235               |
| 101007      | 77                |
| 101010      | 77                |
| 101807      | 150               |
| 102007      | 170               |
| 102307      | 202               |
| 121207      | 80                |
| 121210      | 80                |
| 141709      | 146               |
| 142309      | 205               |
| 151507      | 120               |
| 151510      | 120               |
| 152004      | 170               |
| 152007      | 170               |
| 152010      | 170               |
| 152013      | 170               |
| 152016      | 170               |
| 152510      | 226               |
| 152513      | 226               |
| 161607      | 137               |

SPCM • SPCP series

| Product no. | Matching DIN-Rail |
|-------------|-------------------|
| 081304      | FDR - 50/100      |
| 081305      | 50/100            |
| 081306      | 50/100            |
| 081308      | 50/100            |
| 081310      | 50/100            |
| 081313      | 50/100            |
| 101004      | 80                |
| 101006      | 80                |
| 131304      | 100               |
| 131305      | 100               |
| 131306      | 100               |
| 131308      | 100               |
| 131310      | 100               |
| 131313      | 100               |
| SPCM        |                   |
| SPCP        |                   |
| 131804      | 100/150           |
| 131805      | 100/150           |
| 131806      | 100/150           |
| 131808      | 100/150           |
| 131810      | 100/150           |
| 131813      | 100/150           |
| 131815      | 100/150           |
| 181808      | 150               |
| 181810      | 150               |
| 181813      | 150               |
| 181815      | 150               |
| 182508      | 150/223           |
| 182510      | 150/223           |
| 182515      | 150/223           |

Accessories (Optional parts)



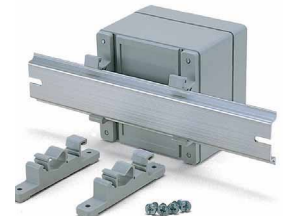
DIN-Rail stopper bracket TKR series  
See page DIN-ACC-2



DIN-Rail mounting base DRA series  
See page DIN-ACC-1



DIN-Rail mounting base DRT series  
See page DIN-ACC-1

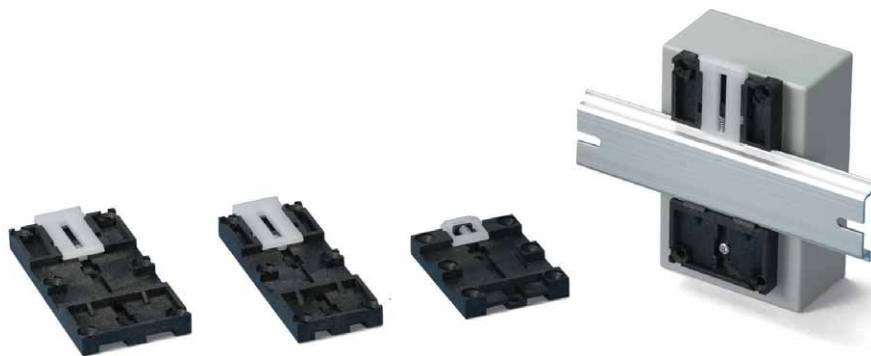


DIN-Rail mounting feet CKD series  
See page DIN-ACC-2



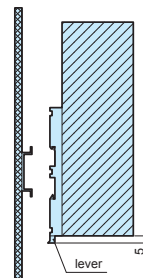
**DRA SERIES**

**DIN-RAIL MOUNTING BASE**



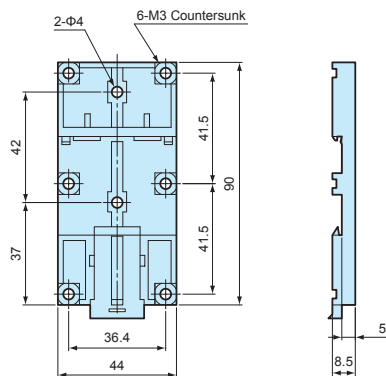
**NOTE**

Before installation, please ensure that the lever is not fully hidden behind the enclosure.

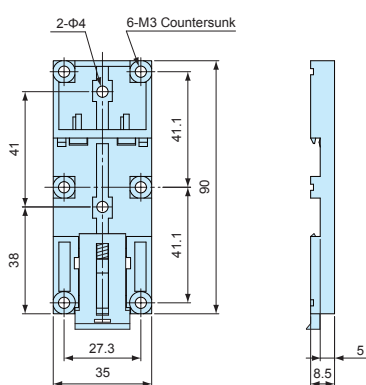


- For installation of enclosures, PCB and other parts onto a DIN rail.
- Simple installation and removal via the pull lever.

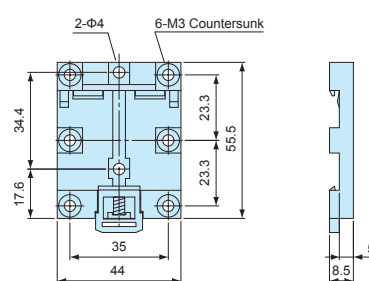
DRA-1



DRA-2



DRA-3

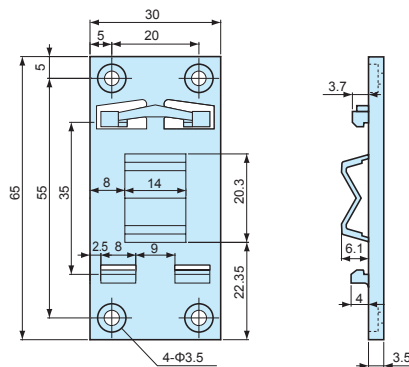


**Product no. / Dimensions**

| Product no. | Material (body)  | Material (lever) | Color               | Weight (g) | Max load (kg) |
|-------------|------------------|------------------|---------------------|------------|---------------|
| DRA-1       | PPE : SB UL94V-1 | Nylon 66 UL94V-2 | Black : Milky white | 16.4       | 5             |
| DRA-2       | PPE : SB UL94V-1 | Nylon 66 UL94V-2 | Black : Milky white | 14.5       | 5             |
| DRA-3       | PPE : SB UL94V-1 | Nylon 66 UL94V-2 | Black : Milky white | 10.4       | 5             |

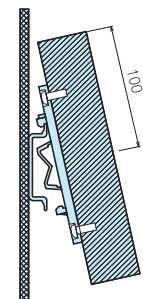
**DRT SERIES**

**DIN-RAIL MOUNTING BASE**



**NOTE**

Before installation, please ensure that the length (from top) of the enclosure is equal to, or less than 100mm from the center of the mounting base.



- For installation of enclosures, PCB and other parts onto a DIN rail.
- Simple installation and removal by tilting the case at an angle and sliding it in/out.

**Product no. / Dimensions**

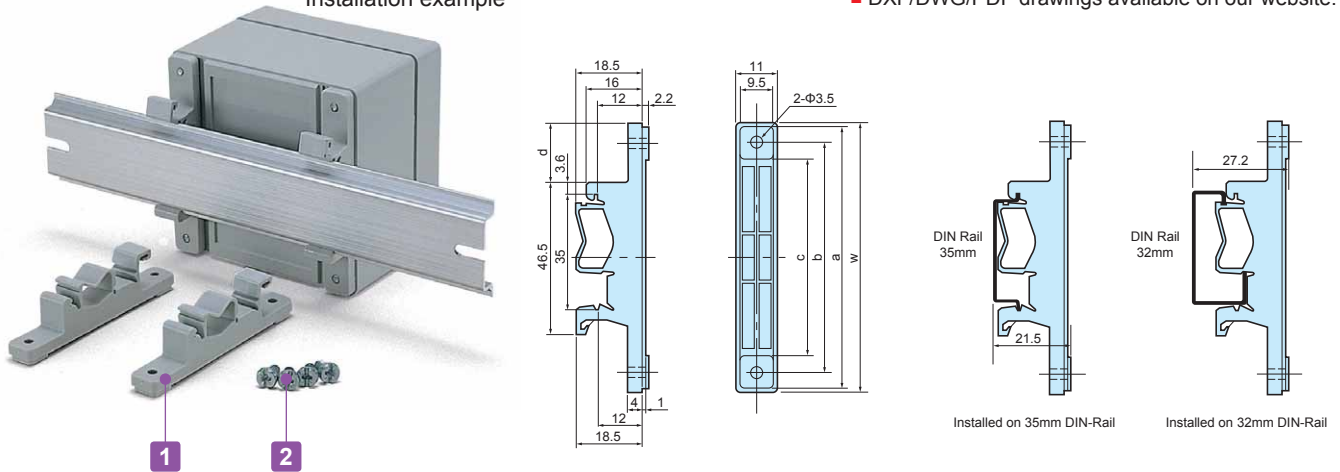
| Product no. | Material    | Color      | Weight (g) | Max load (kg) |
|-------------|-------------|------------|------------|---------------|
| DRT-1       | PBT UL94V-0 | Light gray | 7.3        | 1             |

**CKD SERIES**

**DIN-RAIL MOUNTING FEET**

Installation example

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



■ Mounting feet for installation of enclosures, PCB and other parts onto a DIN rail. Can be easily detached.

| Technical Data |
|----------------|
| Max load : 3kg |

**Components**

| No. | Part name                      | Pcs | Material  | Color / Finish   |
|-----|--------------------------------|-----|-----------|------------------|
| 1   | Mounting feet                  | 2   | Polyamide | White gray       |
| 2   | Screw (special type 4.2 x 9.5) | 4   | Screw     | Unichrome plated |

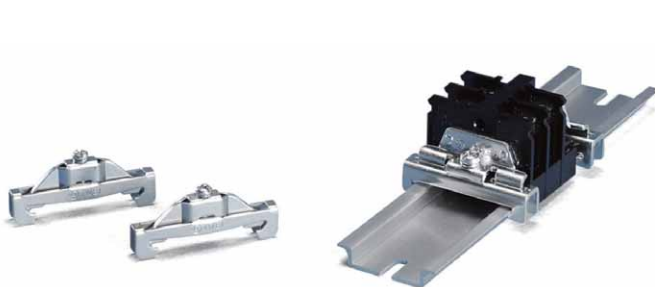
**Product no. / Dimensions**

| Product no. | W   | a   | b   | c   | d  | Pack of |
|-------------|-----|-----|-----|-----|----|---------|
| CKD- 80     | 77  | 75  | 66  | 56  | 17 | 2       |
| CKD-120     | 117 | 115 | 106 | 96  | 37 | 2       |
| CKD-160     | 157 | 155 | 147 | 136 | 57 | 2       |

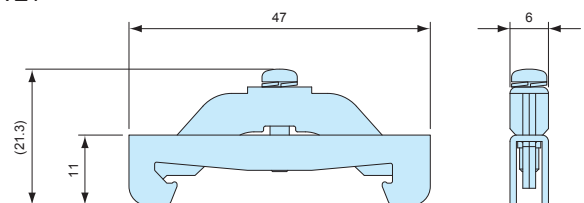
**TKR SERIES**

**DIN-RAIL TERMINAL BLOCKS END STOPPER**

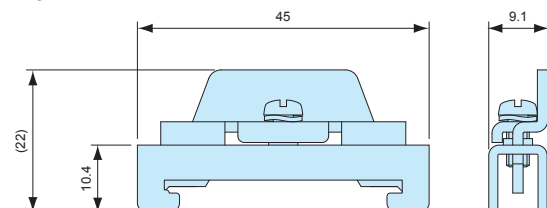
■ DXF/DWG/PDF drawings available on our website.



TKR-TWE1



TKR-JTXE3



- Stopper bracket for use with 35mm DIN-rail to keep an attachment at a fixed location.
- TKR-TWE1 is used with small DIN rail attachment parts. For larger/higher attachment parts, TKR-JTXE3 is recommended for providing additional support.

**Product no. / Feature**

| Product no. | Material    | Color / Finish     | Pack of |
|-------------|-------------|--------------------|---------|
| TKR-TWE1    | Steel sheet | Trivalent chromate | 2       |
| TKR-JTXE3   | Steel sheet | Trivalent chromate | 2       |

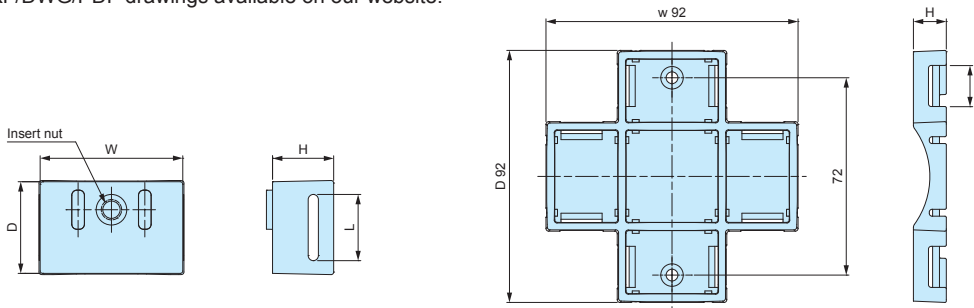
WPMB SERIES

POLE MOUNT BRACKET

← NEW SIZE



- Pole mount bracket made from weather resistant ASA material.
- Hole milling is not required when installing the mount bracket, thus allowing the enclosure to maintain its IP67 protection.
- WPMB-M4-2 can be used both for vertical and horizontal installation.
- Together with WPMB series, the PKB series mounting belt enables the unit to be mounted onto a pole.
- DXF/DWG/PDF drawings available on our website.



WPMB-M3 □ WPMB-M4

WPMB-M4-2

Color Type

| Code | Color      |
|------|------------|
| G    | White gray |
| D    | Dark Gray  |

Product no. / Dimensions

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

| Product no.            | Dimensions |    |     |    | Material / Finish | Screw                        | Suitable enclosures   | Recommended torque (N · m) | Weight (g) | Pack of  |
|------------------------|------------|----|-----|----|-------------------|------------------------------|---|----------------------------|------------|----------|
|                        | W          | D  | H   | L  |                   |                              |   |                            |            |          |
| WPMB-M3 □              | 18         | 14 | 9.5 | 11 | ASA UL94HB        | Stainless steel M3-6 x 2 pcs | WP5-7-2 • 5-7-3 • 6-8-2 • 6-8-3 • 8-8-2 • 8-8-4 • 8-10-2 • 8-10-4               | 0.4 ~ 0.45                 | 3          | 2 (pair) |
| WPMB-M4 □              | 28         | 18 | 12  | 13 | ASA UL94HB        | Stainless steel M4-8 x 2 pcs | WP9-13-3 • 9-13-4 • 10-10-3 • 10-10-4 • 11-15-3 • 11-15-4 • 13-18-3 • 13-18-5   | 0.45 ~ 0.5                 | 10         | 2 (pair) |
| <b>NEW</b> WPMB-M4-2 □ | 92         | 92 | 12  | 13 | ASA UL94HB        | Stainless steel M4-6 x 2 pcs | WP15-15-4 • 15-15-6 • 15-21-4 • 15-21-6 • 20-20-5 • 20-20-7 • 20-28-5 • 20-28-7 | 0.45 ~ 0.5                 | 24         | 1        |

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

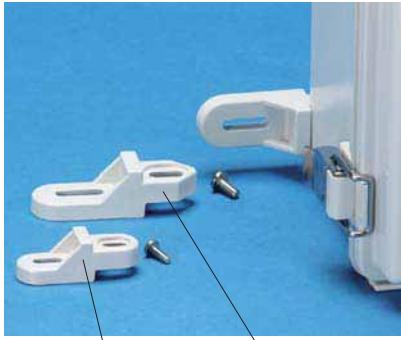
WPMB-M3/WPMB-M4

WPMB-M4-2



**BFL SERIES**

**PLASTIC MOUNTING BRACKET**



Color G      Color S

- 2 different colored type to match box colors.
- Tough and strong glass fiber filled polycarbonate.

**Color Type**

| Color | Color Name | Compatible Models  |
|-------|------------|--------------------|
| G     | White gray | BCAP • BCAR        |
| S     | Light gray | BCPC • BCPK • BCPR |

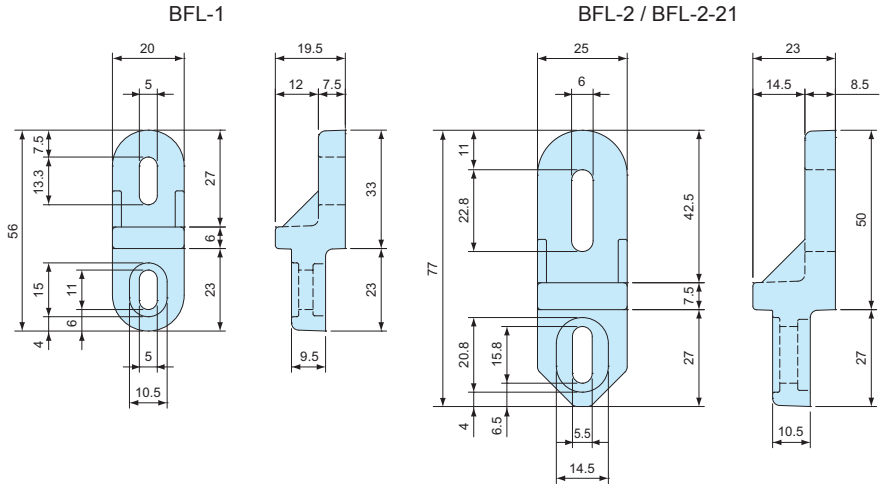
**Components**

| Part name        | Pcs | Material / Finish                |
|------------------|-----|----------------------------------|
| Mounting bracket | 4   | Glass fiber filled polycarbonate |
| Screw            | 4   | Stainless steel / Unfinished     |

**Product no. / Dimensions**

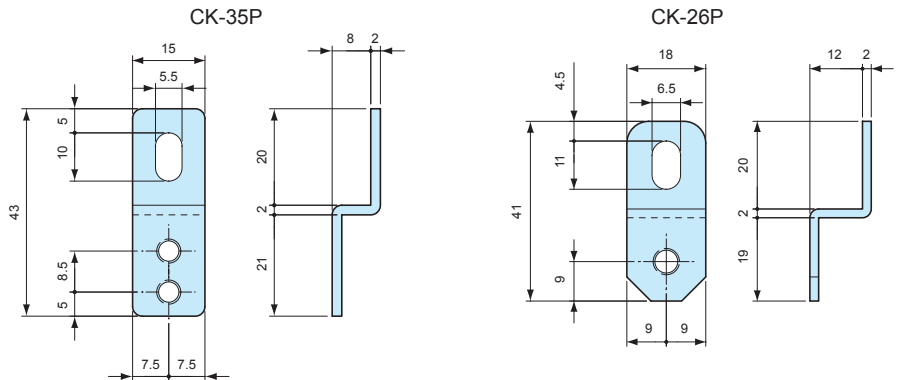
| Product no. | Suitable box  | Screw |
|-------------|---|-------|
| BFL-1□      | BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1621, 1626, 1722, 1727, 212113     | M4-12 |
| BFL-2□      | BCAP • R, BCPC • K • R 1928, 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060, 5060 | M5-12 |
| BFL-2-21□   | BCAP • R, BCPC • K • R 212110   | M4-12 |

- Please suffix color code at the end of the product number.
- ※Not suitable for BCAP1515 model. Use CK-35P (Stainless steel) instead.



**CK SERIES**

**STAINLESS STEEL MOUNTING BRACKET**



**Components**

| Part name        | Pcs | Material        | Finish        |
|------------------|-----|-----------------|---------------|
| Mounting bracket | 4   | Stainless steel | Barrel finish |
| Screw            | 4   | Stainless steel | Unfinished    |

**Product no. / Dimensions**

| Product no. | Suitable box  | Screw |
|-------------|---|-------|
| CK-35P      | BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1515, 1621, 1626, 1722, 1727, 2121 | M4-10 |
| CK-26P      | BCAP • R, BCPC • K • R 1928, 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060       | M5-10 |

**MT SERIES**

**PCB MOUNTING SCREW**

- PCB mounting screws for inner bosses of BCAP • BCAR • BCPC • BCPK • BCPR series.

**Product no. / Dimensions**

| Product no. | Material | Finish             | Pack of |
|-------------|----------|--------------------|---------|
| MT4-8T      | Steel M4 | Trivalent chromate | 20      |
| MT5-8T      | Steel M5 | Trivalent chromate | 20      |



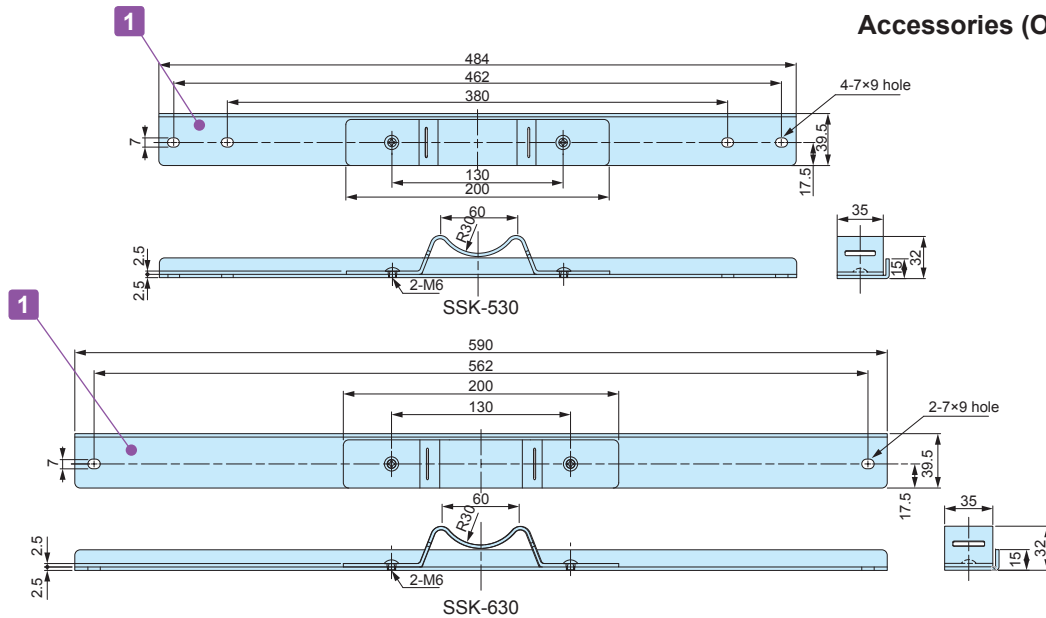
**Suitable Box**

| Product no. | Suitable box  | Weight / Torque       |
|-------------|---|-----------------------|
| MT4-8T      | BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1515, 1621, 1626, 1722, 1727, 1928, 2121 | 7kgf • cm (0.7N • m)  |
| MT5-8T      | BCAP • R, BCPC • K • R 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060, 5060, 5070, 6080 | 14kgf • cm (1.4N • m) |





Accessories (Optional parts)



Components

| No. | Part name                         | Pcs   | Material               | Color / Finish       |
|-----|-----------------------------------|-------|------------------------|----------------------|
| 1   | Bracket                           | 2 / 4 | Stainless Steel SUS304 | Barrel finish        |
| 2   | Plastic bracket (SSK-P type only) | 2     | ASA UL94HB             | White gray (RAL7035) |
| -   | Screw                             | 4     | Stainless Steel SUS304 | Unfinished           |

Product no. / Dimensions

| Product no. | W     | a     | b     | c        | Box size   | Belt to use with | Pack of |
|-------------|-------|-------|-------|----------|--|------------------|---------|
| SSK-S1      | 32.25 | 18.25 | 14    | -        | 0912, 1015, 1121, 1126, 1315, 1318, 1621, 1626, 1722, 1727, 2121 | PKB-10P, PKB-10S | 4       |
| SSK-P60     | 60    | 54.5  | 46.5  | 5.5x9    | 0912   | PKB-10P, PKB-10S | 2       |
| SSK-P75     | 75    | 69.5  | 53.5  | 5.5x12.5 | 1015   | PKB-10P, PKB-10S | 2       |
| SSK-P80     | 80    | 74.5  | 64.5  | 5.5x10.5 | 1121, 1126   | PKB-10P, PKB-10S | 2       |
| SSK-P120    | 120   | 106.5 | 88.5  | 5.5x14.5 | 1315, 1318   | PKB-10P, PKB-10S | 2       |
| SSK-160     | 142   | 129.5 | 101   | -        | 1515, 1621, 1626   | PKB-10P, PKB-10S | 2       |
| SSK-170     | 152   | 142.3 | 101   | -        | 1722, 1727   | PKB-10P, PKB-10S | 2       |
| SSK-200     | 174   | 161.5 | 112.5 | -        | 1928, 2030   | PKB-10P, PKB-10S | 2       |
| SSK-210     | 192   | 180.5 | 131.5 | -        | 2121   | PKB-10P, PKB-10S | 2       |
| SSK-250     | 230   | 215.5 | 166.5 | -        | 2535   | PKB-10P, PKB-10S | 2       |
| SSK-280     | 260   | 244.5 | 195.5 | -        | 2828, 2838   | PKB-10P, PKB-10S | 2       |
| SSK-300     | 280   | 264.5 | 215.5 | -        | 3030, 3040   | PKB-10P, PKB-10S | 2       |
| SSK-350     | 324   | 302.5 | 253.5 | -        | 3535, 3545   | PKB-10P, PKB-10S | 2       |
| SSK-400     | 374   | 354.5 | 305.5 | -        | 4050, 4060   | PKB-20S          | 2       |
| SSK-530     | 484   | 462   | 380   | 7x9      | 5060, 5070   | PKB-20S          | 2       |
| SSK-630     | 590   | 562   | -     | 7x9      | 6080   | PKB-20S          | 2       |

PKB SERIES

POLE MOUNTING BELT



PKB-10PM, 10P

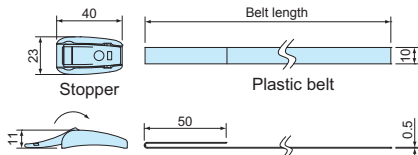


PKB-10S, 20S

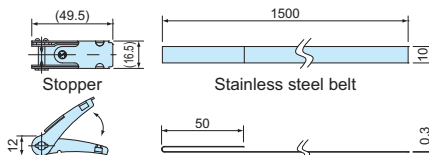
- New shorter belt type PKB-10PM is available for Φ25 to Φ60mm poles. Other belt types are for Φ60 to Φ400mm poles.
- Designed for one time use only (not reusable).
- Strong stainless steel clamping type and easy installation plastic type are available.
- Use SSK mounting bracket for installation onto a pole.

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

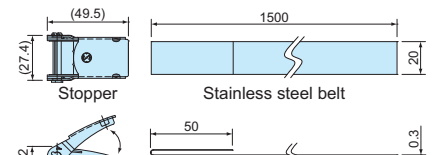
PKB-10PM, 10P



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  | a  | b   | Belt material   | Belt length | Tensile strength (horizontal) | Weight (g) | Pack of |
|--------------|--------|--------|----|----|-----|-----------------|-------------|-------------------------------|------------|---------|
| NEW PKB-10PM | 24     | 23     | 11 | 10 | 0.5 | PET             | 500mm       | 0.8kN                         | 14         | 2       |
| PKB-10P      | 23     | 40     | 11 | 10 | 0.5 | PET             | 1,500mm     | 1.3kN                         | 31.8       | 2       |
| PKB-10S      | (16.5) | (49.5) | 12 | 10 | 0.3 | Stainless steel | 1,500mm     | 1.4kN                         | 101.6      | 2       |
| PKB-20S      | (27.4) | (49.5) | 12 | 20 | 0.3 | Stainless steel | 1,500mm     | 2.9kN                         | 182.2      | 2       |

SSK SERIES

POLE MOUNTING BRACKET

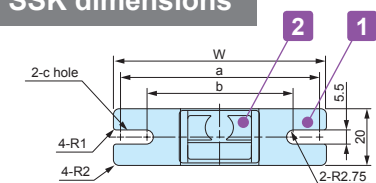


- Stainless steel pole mounting bracket for SPCM • SPCP and BCAL • BCAS series.
- Easy pole mount with the use of SSK-B mounting screw and PKB mounting belt.
- DXF/DWG/PDF drawings available on our website.
- SSK-P models includes plastic mounting brackets.

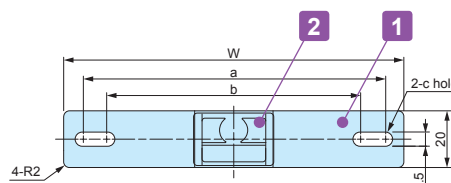


PKB series

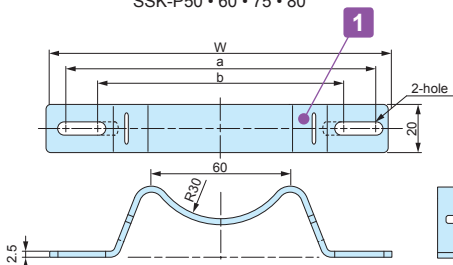
SSK dimensions



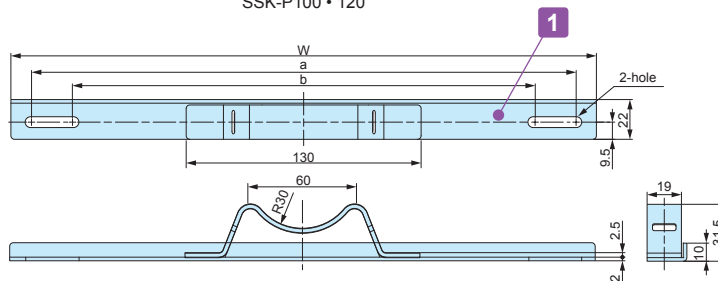
SSK-P50 • 60 • 75 • 80



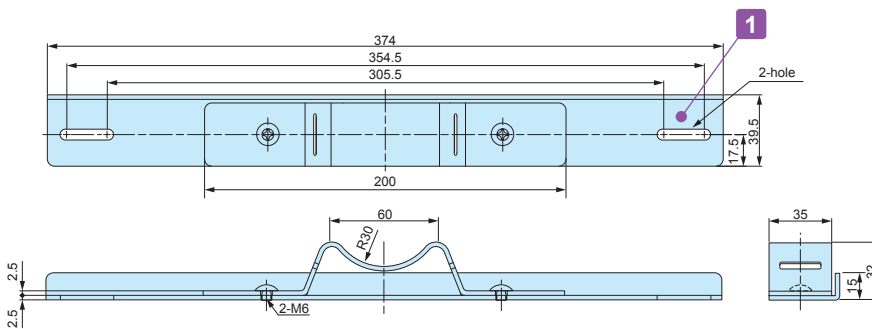
SSK-P100 • 120



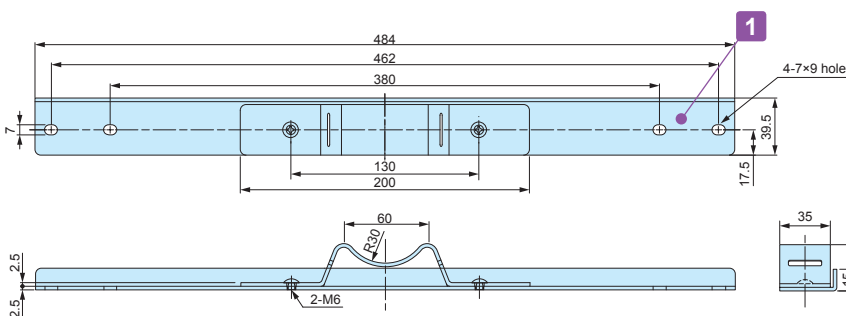
SSK-160 ~ 250



SSK-280 ~ 350



SSK-400



SSK-530

SSK-1



Components

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

■ Screws included with SSK brackets are for BCAP • BCAR • BCPK • BCPR series use only. For other series, please utilize SSK-B screw set.

Product no. / Dimensions

| Product no. | W   | a     | b     | c        | Suitable mounting belt | Pack of |
|-------------|-----|-------|-------|----------|------------------------|---------|
| 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**



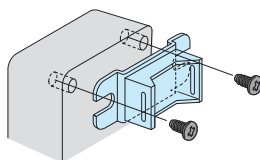
- Mounting screw set for use with SSK pole mounting bracket.
- See chart on page SSK-3 for appropriate bracket/screw/box combination.
- Material / Finish : Stainless steel / Unfinished.

Product no. / Dimensions

| Product no. | Included screws         | Suitable box        | Pcs |
|-------------|-------------------------|---------------------|-----|
| SSK-B4-15N  | M4-15 Pan head with nut | BCAS060905 ~ 212310 | 4   |
| SSK-B4-25N  | M4-25 Pan head with nut | SPCP • SPCM series  | 4   |
| SSK-B5-10   | M5-10 Pan head          | BCAL series         | 4   |

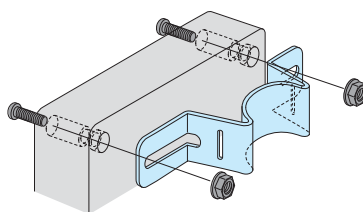
■ Installation Example

BCAS050604, 050605



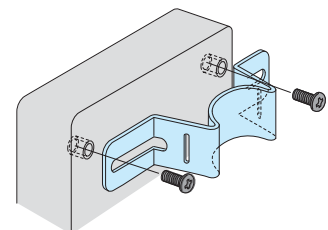
Use screws included with SSK-P

M4 / M5 Pan head with nut fastening



SSK-B4-15N    SSK-B4-25N

Pan head screw into insert nut



SSK-B5-10

# POLE MOUNTING BRACKET / SCREW SET MATCHING CHART

## SPCM • SPCP series

|              | Box Product no.  | SSK Product no. |                  | Screw set Product no. |
|--------------|--|-----------------|------------------|-----------------------|
|              |  | Vertical mount  | Horizontal mount |                       |
| SPCP<br>SPCM | 081304, 081305<br>081306, 081308<br>081310, 081313         | SSK-P75         | SSK-160          | SSK-B4-25N            |
|              | 101004, 101006   | SSK-P100        | SSK-P100         | SSK-B4-25N            |
|              | 131304, 131305<br>131306, 131308<br>131310, 131313         | SSK-160         | SSK-160          | SSK-B4-25N            |
|              | 131804, 131805<br>131806, 131808<br>131810, 131813, 131815 | SSK-160         | SSK-200          | SSK-B4-25N            |
|              | 181808, 181810<br>181813, 181815                           | SSK-200         | SSK-200          | SSK-B4-25N            |
|              | 182508, 182510, 182515                                     | SSK-200         | SSK-280          | SSK-B4-25N            |

## BCAL series

|      | Box Product no. | SSK Product no. |                  | Screw set Product no. |
|------|-----------------|-----------------|------------------|-----------------------|
|      |                 | Vertical mount  | Horizontal mount |                       |
| BCAL | 191913 ※        | SSK-P120        | SSK-200          | SSK-B5-10             |
|      | 192813, 192818  | SSK-200         | SSK-250          | SSK-B5-10             |
|      | 193813, 193818  | SSK-200         | SSK-350          | SSK-B5-10             |
|      | 282813          | SSK-250         | SSK-280          | SSK-B5-10             |
|      | 283413          | SSK-280         | SSK-280          | SSK-B5-10             |
|      | 283813, 283818  | SSK-280         | SSK-350          | SSK-B5-10             |
|      | 285613          | SSK-280         | SSK-530          | SSK-B5-10             |
|      | 385618          | SSK-400         | SSK-530          | SSK-B5-10             |

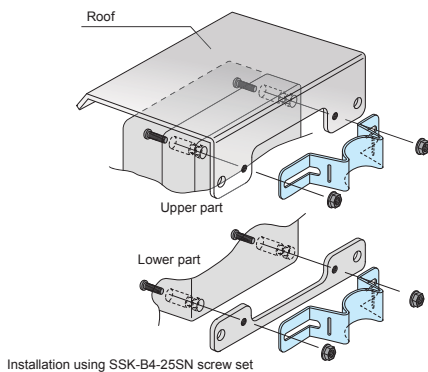
※Use screws included with SSK bracket for vertical mount

## BCAS series

|      | Box Product no.                          | SSK Product no. |                  | Screw set Product no.                |
|------|--|-----------------|------------------|--------------------------------------|
|      |  | Vertical mount  | Horizontal mount |                                      |
| BCAS | 050604, 050605                           | SSK-P50         | SSK-P60          | Use screws included with SSK bracket |
|      | 060905                                   | SSK-P60         | SSK-P100         | SSK-B4-15N                           |
|      | 071005 ※                                 | SSK-P75         | SSK-P100         | SSK-B4-15N                           |
|      | 080806                                   | SSK-P75         | SSK-P75          | SSK-B4-15N                           |
|      | 081104, 081107<br>081108, 081110         | SSK-P75         | SSK-P120         | SSK-B4-15N                           |
|      | 081307, 081308                           | SSK-P75         | SSK-160          | SSK-B4-15N                           |
|      | 081807, 081808                           | SSK-P75         | SSK-210          | SSK-B4-15N                           |
|      | 082507, 082508                           | SSK-P75         | SSK-280          | SSK-B4-15N                           |
|      | 101007, 101010                           | SSK-P100        | SSK-P100         | SSK-B4-15N                           |
|      | 101807                                   | SSK-P100        | SSK-210          | SSK-B4-15N                           |
|      | 102007                                   | SSK-P100        | SSK-250          | SSK-B4-15N                           |
|      | 102307                                   | SSK-P100        | SSK-250          | SSK-B4-15N                           |
|      | 121207, 121210                           | SSK-P120        | SSK-200          | SSK-B4-15N                           |
|      | 141709                                   | SSK-160         | SSK-200          | SSK-B4-15N                           |
|      | 142309                                   | SSK-160         | SSK-250          | SSK-B4-15N                           |
|      | 151507, 151510                           | SSK-170         | SSK-170          | SSK-B4-15N                           |
|      | 152004, 152007<br>152020, 152013, 152016 | SSK-170         | SSK-250          | SSK-B4-15N                           |
|      | 152510, 152513                           | SSK-170         | SSK-280          | SSK-B4-15N                           |
|      | 161607                                   | SSK-170         | SSK-170          | SSK-B4-15N                           |
|      | 202010, 202013<br>202016, 202019         | SSK-250         | SSK-250          | SSK-B4-15N                           |
|      | 212310                                   | SSK-250         | SSK-250          | SSK-B4-15N                           |

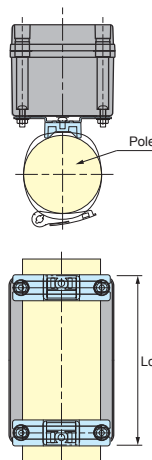
※Use screws included with SSK bracket for vertical mount

- For installation of SR series outdoor roof on SPCM • SPCP series SR series (For SPCM • SPCP - see page SPCM • SPCM-ACC-2)

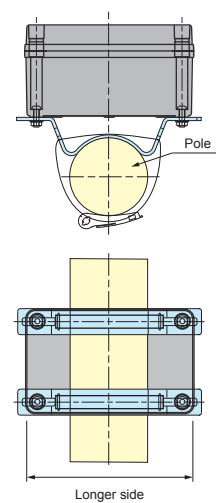


- Select SSK bracket depending on mounting type (Vertical or Horizontal).

**Vertical mount**  
(Longer vertical side)



**Horizontal mount**  
(Longer horizontal side)



**WPMB-M4-3** SERIES

**POLE MOUNTING BRACKET**



- Pole mount bracket made from weather resistant ASA material.
- Suitable for both for vertical and horizontal mounting.
- Hole milling is required for bracket installation.
- IPX7 protection can be maintained through the use of sealing washers.
- Pole mount is possible with the use of PKB series mounting belt.

**Components**

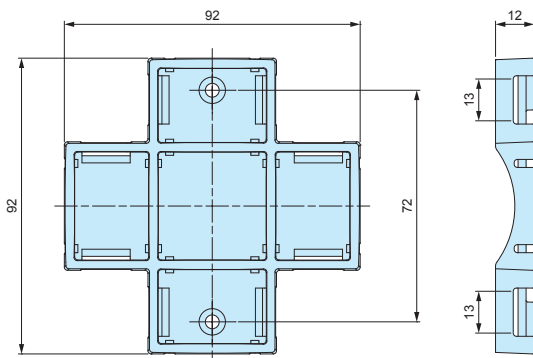
| No. | Part name                    | Pcs | Material        | Color / Finish         |
|-----|------------------------------|-----|-----------------|------------------------|
| 1   | Bracket                      | 1   | ASA UL94HB      | White gray • Dark gray |
| 2   | Sealing washer               | 2   | NBR, SPCC       | Black                  |
| 3   | Screw (M4-10 Pan head)       | 2   | Stainless steel | Unfinished             |
| 4   | Hexagonal nut (M4 x 3 types) | 2   | Stainless steel | Unfinished             |

**Product no. / Dimensions**

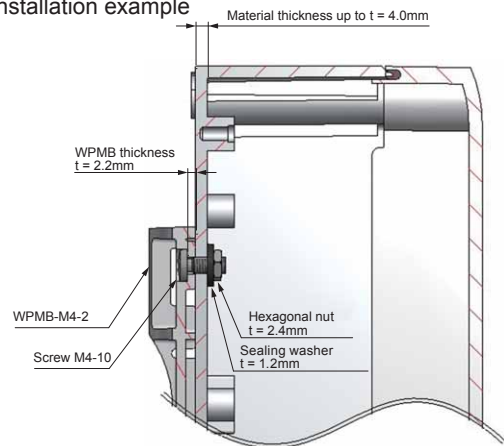
| Product no.  |             | Material thickness | Tightening torque | Tensile strength | Weight (g) |
|--------------|-------------|--------------------|-------------------|------------------|------------|
| • White gray | • Dark gray |                    |                   |                  |            |
| WPMB-M4-3G   | WPMB-M4-3D  | Up to t = 4.0mm    | 0.45N • m         | 5 kg             | 26.5       |

■ Listed tightening torque values are for reference only. Actual required torque may differ.

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



**Installation example**



**PKB** SERIES

**POLE MOUNTING BELT**



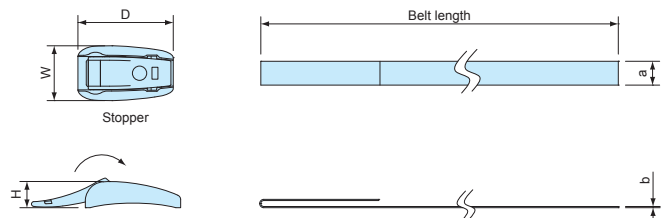
PKB-10PM, 10P



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 • WPMB mounting bracket for installation onto a pole.

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



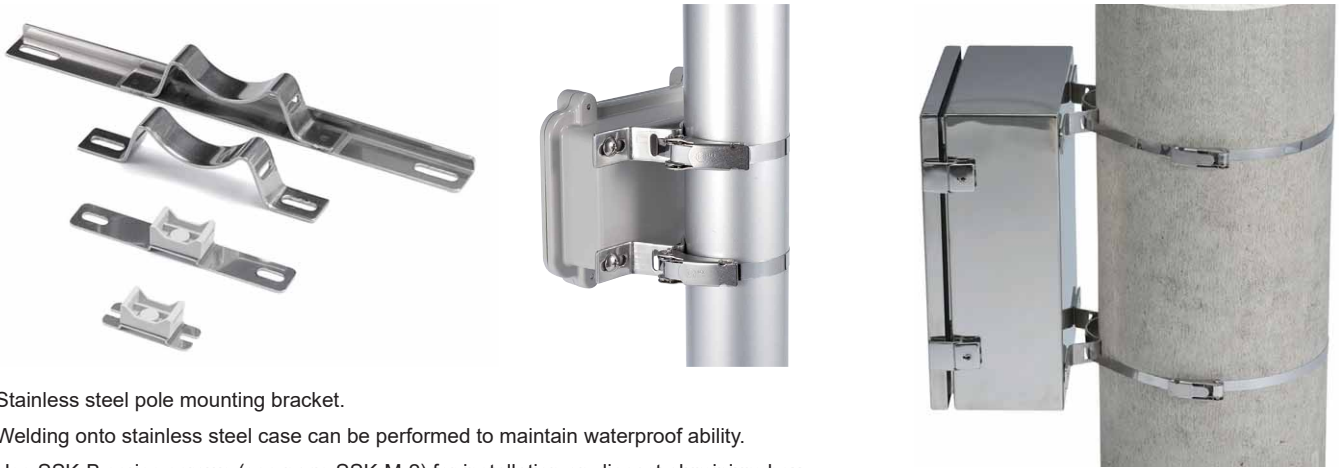
**Components**

| 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  | a  | b   | Belt material   | Belt length | Tensile strength (horizontal) | Weight (g) | Pack of |
|---------------------|--------|--------|----|----|-----|-----------------|-------------|-------------------------------|------------|---------|
| <b>NEW</b> PKB-10PM | 24     | 23     | 11 | 10 | 0.5 | PET             | 500mm       | 0.8kN                         | 14         | 2       |
| PKB-10P             | 23     | 40     | 11 | 10 | 0.5 | PET             | 1,500mm     | 1.3kN                         | 31.8       | 2       |
| PKB-10S             | (16.5) | (49.5) | 12 | 10 | 0.3 | Stainless steel | 1,500mm     | 1.4kN                         | 101.6      | 2       |
| PKB-20S             | (27.4) | (49.5) | 12 | 20 | 0.3 | Stainless steel | 1,500mm     | 2.9kN                         | 182.2      | 2       |

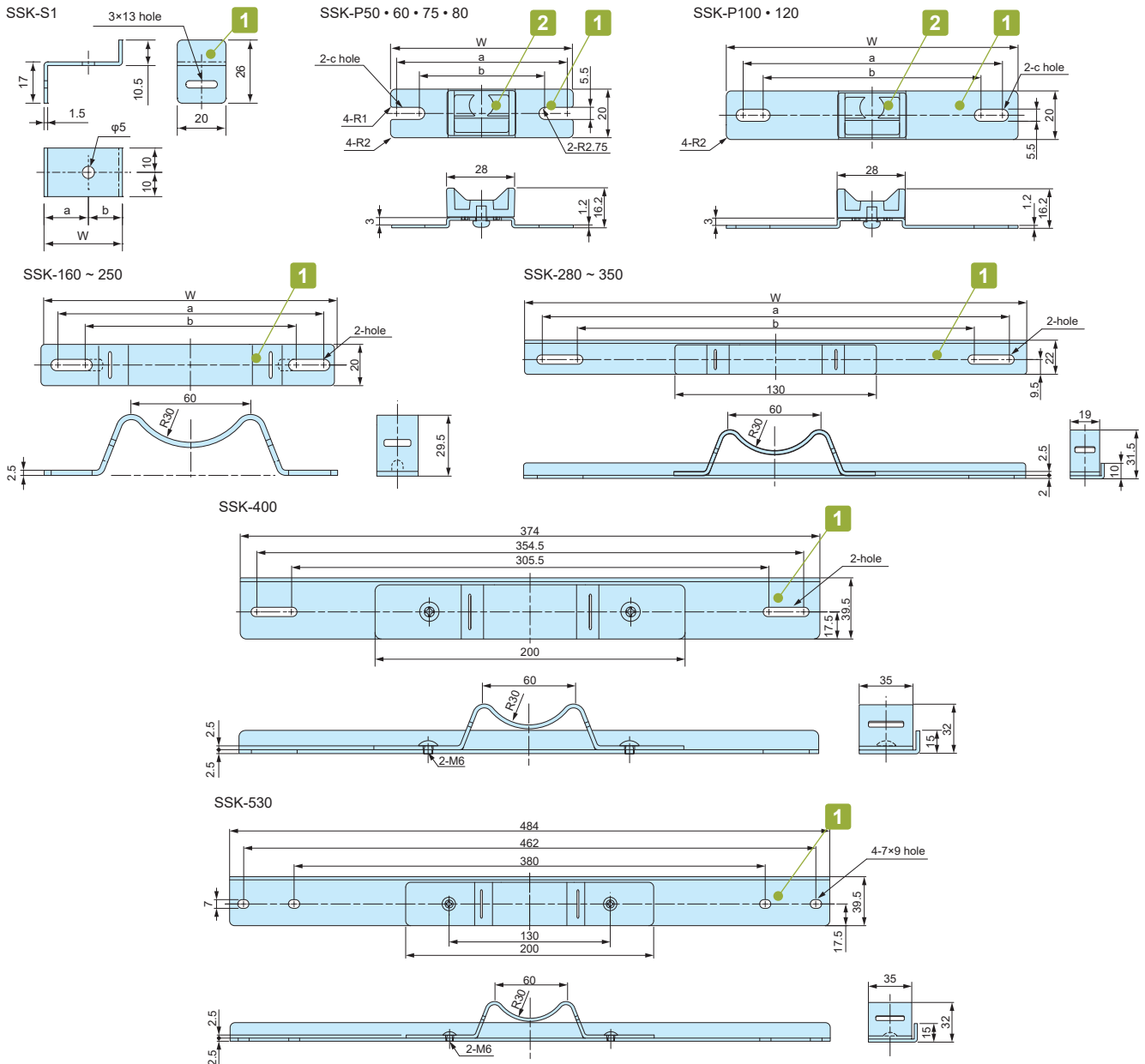
**SSK SERIES POLE MOUNTING BRACKET**



- 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**

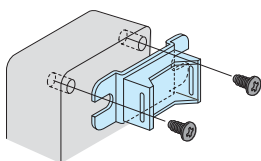
- Mounting screw set for use with SSK pole mounting bracket.
- See below chart for appropriate screw / box combination.
- Material / Finish : Stainless steel / Unfinished.

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   |

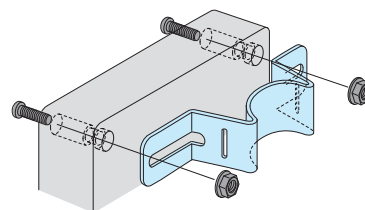
- Installation Example

**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

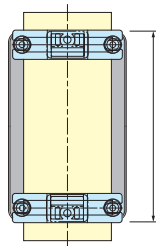
| Box Product no. |                             | SSK Product no. |                  | Screw set Product no. |
|-----------------|-----------------------------|-----------------|------------------|-----------------------|
|                 |                             | Vertical mount  | Horizontal 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.

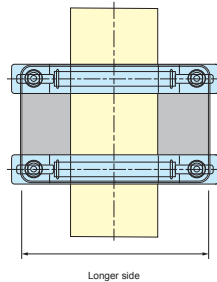
| Box Product no. |        |        | SSK Product no. |                  |   |
|-----------------|--------|--------|-----------------|------------------|---|
|                 |        |        | Vertical mount  | Horizontal mount |   |
| SSM<br>SSB      | 121508 |        | SSK-S1          | —                |   |
|                 | 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

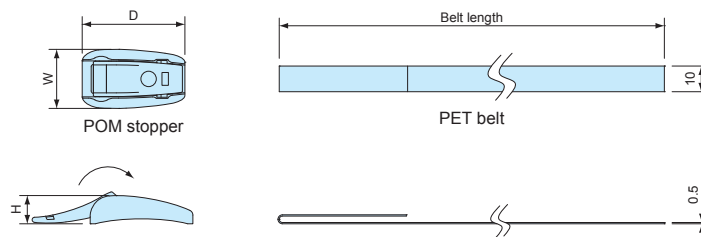


PKB-10S, 20S

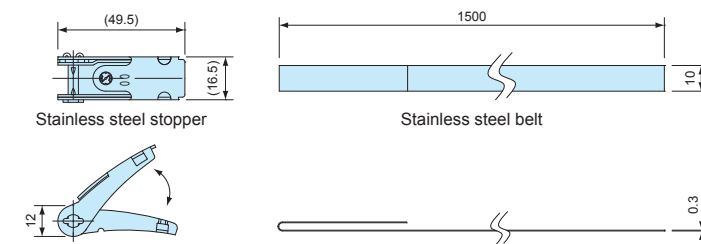
- New shorter belt type PKB-10PM is available for  $\phi 25$  to  $\phi 60$ mm poles. Other belt types are for  $\phi 60$  to  $\phi 400$ mm poles.
- Designed for one time use only (not reusable).
- Strong stainless steel clamping type and easy installation plastic type are available.
- Use SSK mounting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

**PKB dimensions**

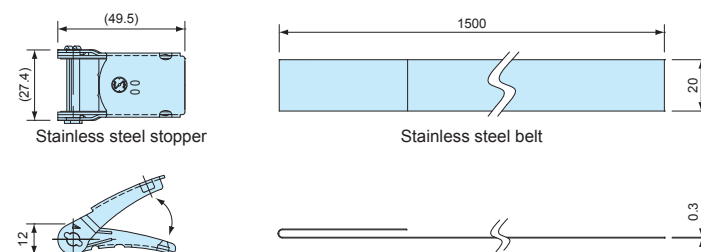
PKB-10PM, 10P



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 |

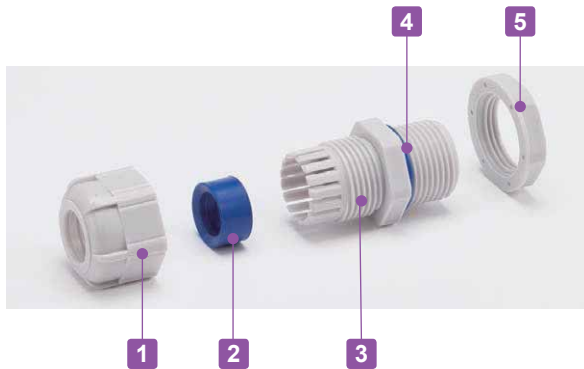
**Product no. / Dimensions**

| Product no.         | W  | D  | H  | Belt material   | Belt length | Tensile strength (horizontal) | Weight (g) | Pack of |
|---------------------|----|----|----|-----------------|-------------|-------------------------------|------------|---------|
| <b>NEW</b> 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       |





- Weatherproof cable gland equipped with high ultraviolet and degradation resistant silicone sealing insert and O-ring.
- Recommended to use outdoors where waterproofing is critical.

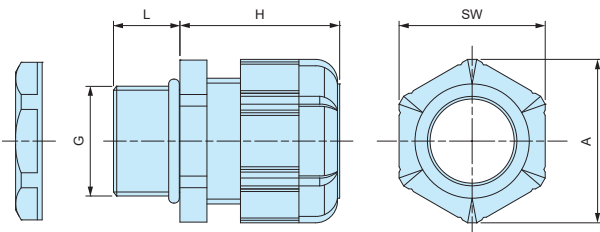


Components

■ PA = Polyamide

| No. | Part name      | Material     |
|-----|----------------|--------------|
| 1   | Cap            | PA66 UL94V-2 |
| 2   | Sealing insert | Silicone     |
| 3   | Connector      | PA66 UL94V-2 |
| 4   | O-ring         | Silicone     |
| 5   | Nut            | PA66 UL94V-2 |

RMW dimensions



Technical Data

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

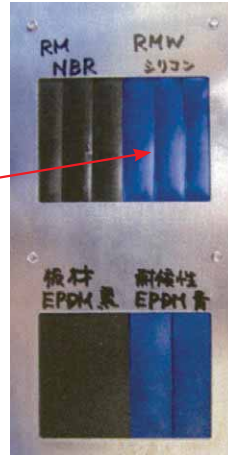
- DXF/DWG/PDF drawings available on our website.
- Lock nut is not included for RMW10S-6.  
Please drill a proper thread hole into the enclosure for installation.

Product no. / Dimensions

| Product no.  |              | G           |               | Cable range |     | L    | H Max | SW   | A    | Pack of |
|--------------|--------------|-------------|---------------|-------------|-----|------|-------|------|------|---------|
| ● Black      | ● Light gray | Thread size | Mounting hole | Min         | Max |      |       |      |      |         |
| RMW8L-2.5B   | RMW8L-2.5S   | M8×1.25     | Φ8.2          | 1           | 2.5 | 13   | 19.5  | 11.8 | 13.5 | 1       |
| RMW8L-4B     | RMW8L-4S     | M8×1.25     | Φ8.2          | 2.5         | 4   | 13   | 19.5  | 11.8 | 13.5 | 1       |
| RMW10S-6B    | RMW10S-6S    | M10×1.5     | —             | 3           | 6   | 8    | 20.5  | 13   | 14.4 | 1       |
| RMW10L-6B    | RMW10L-6S    | M10×1.5     | Φ10.2         | 3           | 6   | 13   | 20.5  | 13   | 14.4 | 1       |
| RMW12S-7B    | RMW12S-7S    | M12×1.5     | Φ12.2         | 3.5         | 7   | 9    | 20.5  | 16   | 17.6 | 1       |
| RMW12L-7B    | RMW12L-7S    | M12×1.5     | Φ12.2         | 3.5         | 7   | 14.5 | 20.5  | 16   | 17.7 | 1       |
| RMW16S-8B    | RMW16S-8S    | M16×1.5     | Φ16.2         | 4           | 8   | 9    | 23.5  | 19   | 21   | 1       |
| RMW16L-8B    | RMW16L-8S    | M16×1.5     | Φ16.2         | 4           | 8   | 15   | 24    | 19   | 21   | 1       |
| RMW20S-12B   | RMW20S-12S   | M20×1.5     | Φ20.2         | 6           | 12  | 10   | 29    | 24   | 26.2 | 1       |
| RMW20L-12B   | RMW20L-12S   | M20×1.5     | Φ20.2         | 6           | 12  | 15   | 28.5  | 24   | 26.2 | 1       |
| RMW25L-17B   | RMW25L-17S   | M25×1.5     | Φ25.2         | 11          | 17  | 15   | 35    | 33   | 36.2 | 1       |
| RMW32L-21B   | RMW32L-21S   | M32×1.5     | Φ32.3         | 13          | 21  | 15   | 38    | 36   | 39.5 | 1       |
| RMW40L-27B   | RMW40L-27S   | M40×1.5     | Φ40.3         | 18          | 27  | 18   | 43.5  | 45.7 | 50.5 | 1       |
| RMW50L-38B   | RMW50L-38S   | M50×1.5     | Φ50.4         | 27          | 38  | 20   | 50.5  | 60   | 66.5 | 1       |
| RMW8L-2.5B-P | RMW8L-2.5S-P | M8×1.25     | Φ 8.2         | 1           | 2.5 | 13   | 19.5  | 11.8 | 13.5 | 100     |
| RMW8L-4B-P   | RMW8L-4S-P   | M8×1.25     | Φ 8.2         | 2.5         | 4   | 13   | 19.5  | 11.8 | 13.5 | 100     |
| RMW10L-6B-P  | RMW10L-6S-P  | M10×1.5     | Φ10.2         | 3           | 6   | 13   | 20.5  | 13   | 14.4 | 100     |
| RMW12S-7B-P  | RMW12S-7S-P  | M12×1.5     | Φ12.2         | 3.5         | 7   | 9    | 20.5  | 16   | 17.6 | 100     |
| RMW12L-7B-P  | RMW12L-7S-P  | M12×1.5     | Φ12.2         | 3.5         | 7   | 14.5 | 20.5  | 16   | 17.7 | 100     |
| RMW16S-8B-P  | RMW16S-8S-P  | M16×1.5     | Φ16.2         | 4           | 8   | 9    | 23.5  | 19   | 21   | 100     |
| RMW16L-8B-P  | RMW16L-8S-P  | M16×1.5     | Φ16.2         | 4           | 8   | 15   | 24    | 19   | 21   | 100     |
| RMW20S-12B-P | RMW20S-12S-P | M20×1.5     | Φ20.2         | 6           | 12  | 10   | 29    | 24   | 26.2 | 100     |
| RMW20L-12B-P | RMW20L-12S-P | M20×1.5     | Φ20.2         | 6           | 12  | 15   | 28.5  | 24   | 26.2 | 100     |
| RMW25L-17B-P | RMW25L-17S-P | M25×1.5     | Φ25.2         | 11          | 17  | 15   | 35    | 33   | 36.2 | 100     |

# RMW series silicone sealing insert weatherproof test report

Object: Cut into a piece of the silicone sealing insert from RMW series and attach it onto an aluminium plate.  
 For comparison, NBR sealing insert from our RM and EPDM sealing insert from another manufacturer is also attached for comparison purposes.



Before



After

**Testing conditions**

**Equipment :** 7.5kW Super Xenon Weather Meter SX75 (Suga Test Instruments Co., Ltd.- <http://www.sugatest.co.jp/english/>)  
**Conditions :** JIS B7754 : 1991

Testing with an authorized Xenon arc lamp weathering test equipment under the conditions denoted below.  
 Irradiance : 180W/m<sup>2</sup> at 300-400nm  
 Black Panel Temperature : 63±3°C Humidity Range : 50±10%  
 Cycle Conditions : 120 minutes cycle (18 minutes irradiation + water spray - 102 minutes irradiation)

**Time period :** 2,000 hours (equivalent to a period of 4 years under natural conditions)

**Total radiant exposure :** 1296MJ/m<sup>2</sup>

**Test result (visual / touch inspection)**

**Silicone sealing insert material :** No cracks, no gloss transition, no powder - no appearance change at all. Flexibility remains unchanged.

Before



After



**NBR material from our RM series :** Lost glossiness on the surface and material is stiffened.

Before

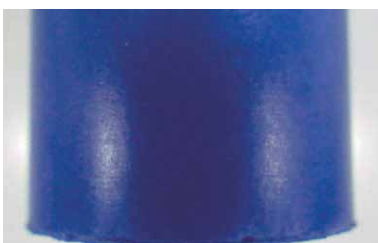


After

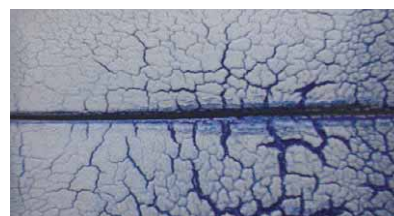


**EPDM material from weatherproof cable gland of another manufacturer :** Cracked, color drastically faded and powder appeared on the surface.

Before

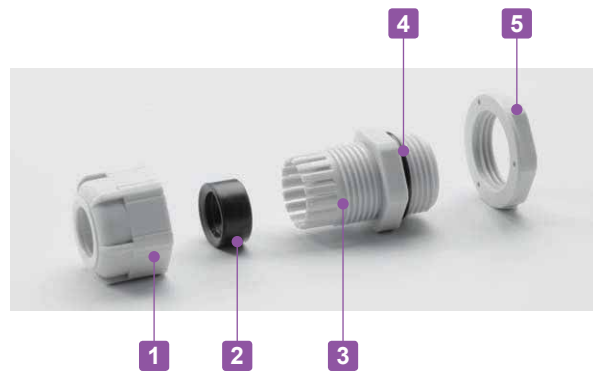


After



# RM SERIES

# POLYAMIDE CABLE GLAND



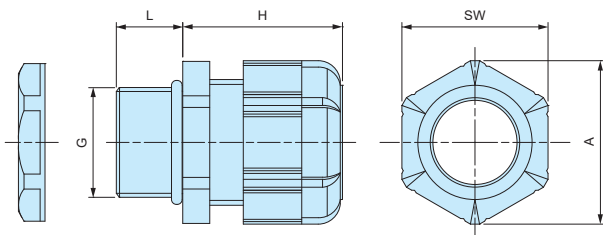
- Low cost cable glands made from polyamide material.
- Wide selection, for M8 ~ M63, suitable for  $\Phi 1\text{mm} \sim \Phi 44\text{ mm}$  cable.
- High oil resistant NBR rubber sealing and O-ring.
- IP67 protection class.

### Components

■ PA = Polyamide

| No. | Part name      | Material     |
|-----|----------------|--------------|
| 1   | Cap            | PA66 UL94V-2 |
| 2   | Sealing insert | NBR          |
| 3   | Connector      | PA66 UL94V-2 |
| 4   | O-ring         | NBR          |
| 5   | Lock nut       | PA66 UL94V-2 |

### RM dimensions



### Technical Data

Protection class: IP67  
Operating temperature:  $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$

- DXF/DWG/PDF drawings available on our website.
- Lock nut is not included for RM8S-2.5, 8S-4, and 10S-6 models.  
Please drill a proper thread hole into the enclosure for installation.

### Product no. / Dimensions

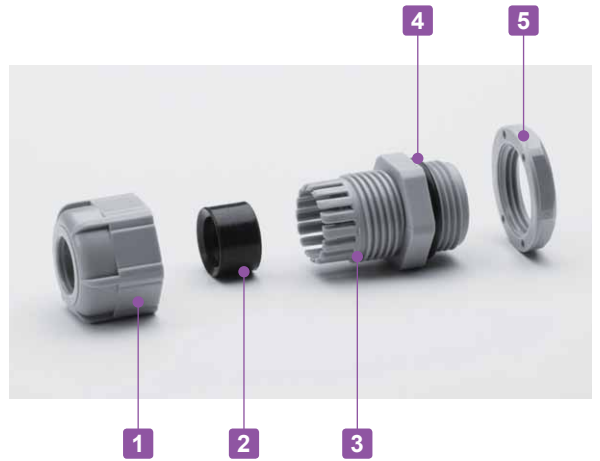
| Product no. |              | G           |               | Cable range |     | L    | H Max | SW   | A    | Pack of |
|-------------|--------------|-------------|---------------|-------------|-----|------|-------|------|------|---------|
| ● Black     | ● Light gray | Thread size | Mounting hole | Min         | Max |      |       |      |      |         |
| RM8S-2.5B   | RM8S-2.5S    | M8×1.25     | —             | 1           | 2.5 | 7.5  | 19.5  | 11.8 | 13.5 | 1       |
| RM8L-2.5B   | RM8L-2.5S    | M8×1.25     | $\Phi 8.2$    | 1           | 2.5 | 13   | 19.5  | 11.8 | 13.5 | 1       |
| RM8S-4B     | RM8S-4S      | M8×1.25     | —             | 2.5         | 4   | 7.5  | 19.5  | 11.8 | 13.5 | 1       |
| RM8L-4B     | RM8L-4S      | M8×1.25     | $\Phi 8.2$    | 2.5         | 4   | 13   | 19.5  | 11.8 | 13.5 | 1       |
| RM10S-6B    | RM10S-6S     | M10×1.5     | —             | 3           | 6   | 8    | 20.5  | 13   | 14.4 | 1       |
| RM10L-6B    | RM10L-6S     | M10×1.5     | $\Phi 10.2$   | 3           | 6   | 13   | 20.5  | 13   | 14.4 | 1       |
| RM12S-7B    | RM12S-7S     | M12×1.5     | $\Phi 12.2$   | 3.5         | 7   | 9    | 20.5  | 16   | 17.6 | 1       |
| RM12L-7B    | RM12L-7S     | M12×1.5     | $\Phi 12.2$   | 3.5         | 7   | 14.5 | 20.5  | 16   | 17.7 | 1       |
| RM16S-8B    | RM16S-8S     | M16×1.5     | $\Phi 16.2$   | 4           | 8   | 9    | 23.5  | 19   | 21   | 1       |
| RM16L-8B    | RM16L-8S     | M16×1.5     | $\Phi 16.2$   | 4           | 8   | 15   | 24    | 19   | 21   | 1       |
| RM20S-12B   | RM20S-12S    | M20×1.5     | $\Phi 20.2$   | 6           | 12  | 10   | 29    | 24   | 26.2 | 1       |
| RM20L-12B   | RM20L-12S    | M20×1.5     | $\Phi 20.2$   | 6           | 12  | 15   | 28.5  | 24   | 26.2 | 1       |
| RM25L-17B   | RM25L-17S    | M25×1.5     | $\Phi 25.2$   | 11          | 17  | 15   | 35    | 33   | 36.2 | 1       |
| RM32L-21B   | RM32L-21S    | M32×1.5     | $\Phi 32.3$   | 13          | 21  | 15   | 38    | 36   | 39.5 | 1       |
| RM40L-27B   | RM40L-27S    | M40×1.5     | $\Phi 40.3$   | 18          | 27  | 18   | 43.5  | 45.7 | 50.5 | 1       |
| RM50L-38B   | RM50L-38S    | M50×1.5     | $\Phi 50.4$   | 27          | 38  | 20   | 50.5  | 60   | 66.5 | 1       |
| RM63L-44B   | RM63L-44S    | M63×1.5     | $\Phi 63.4$   | 37          | 44  | 20   | 53    | 68   | 75.5 | 1       |
| RM8L-2.5B-P | RM8L-2.5S-P  | M8×1.25     | $\Phi 8.2$    | 1           | 2.5 | 13   | 19.5  | 11.8 | 13.5 | 100     |
| RM8L-4B-P   | RM8L-4S-P    | M8×1.25     | $\Phi 8.2$    | 2.5         | 4   | 13   | 19.5  | 11.8 | 13.5 | 100     |
| RM10L-6B-P  | RM10L-6S-P   | M10×1.5     | $\Phi 10.2$   | 3           | 6   | 13   | 20.5  | 13   | 14.4 | 100     |
| RM12S-7B-P  | RM12S-7S-P   | M12×1.5     | $\Phi 12.2$   | 3.5         | 7   | 9    | 20.5  | 16   | 17.6 | 100     |
| RM12L-7B-P  | RM12L-7S-P   | M12×1.5     | $\Phi 12.2$   | 3.5         | 7   | 14.5 | 20.5  | 16   | 17.7 | 100     |
| RM16S-8B-P  | RM16S-8S-P   | M16×1.5     | $\Phi 16.2$   | 4           | 8   | 9    | 23.5  | 19   | 21   | 100     |
| RM16L-8B-P  | RM16L-8S-P   | M16×1.5     | $\Phi 16.2$   | 4           | 8   | 15   | 24    | 19   | 21   | 100     |
| RM20S-12B-P | RM20S-12S-P  | M20×1.5     | $\Phi 20.2$   | 6           | 12  | 10   | 29    | 24   | 26.2 | 100     |
| RM20L-12B-P | RM20L-12S-P  | M20×1.5     | $\Phi 20.2$   | 6           | 12  | 15   | 28.5  | 24   | 26.2 | 100     |
| RM25L-17B-P | RM25L-17S-P  | M25×1.5     | $\Phi 25.2$   | 11          | 17  | 15   | 35    | 33   | 36.2 | 100     |

# RPG SERIES

# POLYAMIDE CABLE GLAND

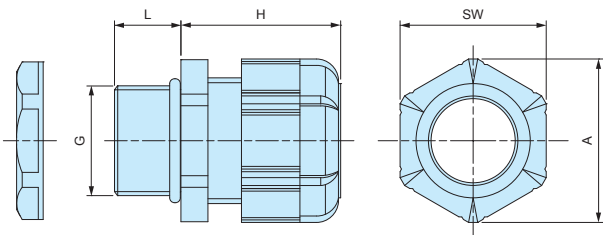


IP67



- Inexpensive cable glands made from polyamide material with PG threading.
- High oil resistant NBR rubber sealing and O-ring.
- IP67 protection class.

## RPG dimensions



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

## Components

■ PA = Polyamide

| No. | Part name      | Material     |
|-----|----------------|--------------|
| 1   | Cap            | PA66 UL94V-2 |
| 2   | Sealing insert | NBR          |
| 3   | Connector      | PA66 UL94V-2 |
| 4   | O-Ring         | NBR          |
| 5   | Lock-nut       | PA66 UL94V-2 |

## Technical Data

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

## Product no. / Dimensions

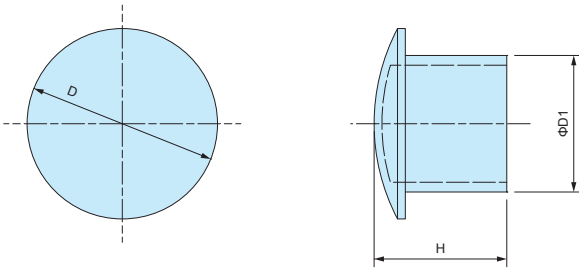
| Product no. |             | G           |             |               | Cable range |     | L  | H Max | SW   | A    | Pack of |
|-------------|-------------|-------------|-------------|---------------|-------------|-----|----|-------|------|------|---------|
| ● Black     | ● Gray      | Thread size | Thread dia. | Mounting hole | Min         | Max |    |       |      |      |         |
| RPG7-7B     | RPG7-7G     | PG7         | 12.5        | Φ12.7         | 3           | 7   | 9  | 20.5  | 16   | 17.7 | 1       |
| RPG9-8B     | RPG9-8G     | PG9         | 15.2        | Φ15.4         | 4           | 8   | 9  | 23.5  | 19   | 21   | 1       |
| RPG11-10B   | RPG11-10G   | PG11        | 18.6        | Φ18.8         | 5           | 10  | 9  | 26    | 22   | 24   | 1       |
| RPG13.5-11B | RPG13.5-11G | PG13.5      | 20.4        | Φ20.6         | 6           | 11  | 10 | 29    | 24   | 26.4 | 1       |
| RPG16-14B   | RPG16-14G   | PG16        | 22.5        | Φ22.7         | 8           | 14  | 10 | 30    | 26.7 | 29.5 | 1       |
| RPG21-18B   | RPG21-18G   | PG21        | 28.3        | Φ28.5         | 13          | 18  | 12 | 35    | 33   | 36.5 | 1       |
| RPG29-25B   | RPG29-25G   | PG29        | 37          | Φ37.2         | 18          | 25  | 12 | 41.5  | 42   | 46.5 | 1       |

**SP SERIES**

**SEALING PLUG**



**SP dimensions**



■ Material : Nylon

- Sealing plug for cable glands when not in use.
- Maintain a waterproof seal when plugged into the sealing insert on cable glands.

**Product no. / Dimensions**

| Product no. | D    | D1   | H    | Suitable cable glands                | Pack of |
|-------------|------|------|------|--------------------------------------|---------|
| SP-12       | 10.2 | 6    | 15.5 | RMW12, RM12, RMW16, RM16, RPG7, RPG9 | 10      |
| SP-16       | 15.6 | 9.5  | 15.5 | RMW20, RM20, RPG11, RPG13.5          | 10      |
| SP-20       | 19.6 | 13.5 | 16.5 | RPG16                                | 10      |
| SP-25       | 24.4 | 17.5 | 17   | RMW25, RM25, RMW32, RM32, RPG21      | 5       |
| SP-40       | 32.5 | 24.5 | 17.5 | RMW40, RM40, RPG29                   | 5       |
| SP-50       | 47.2 | 38.9 | 17.6 | RMW50, RM50                          | 5       |



- High water protection IP68 (1bar / 30min) polyamide cable gland.
- Wide selection, for M8 ~ M50, suitable for  $\Phi 2.5\text{mm} \sim \Phi 42\text{mm}$  cable.
- Super tough and superior heat resistant PA6GF (glass fiber filled PA6) material on cap and connector.
- Safer halogen free, eco-friendly product.

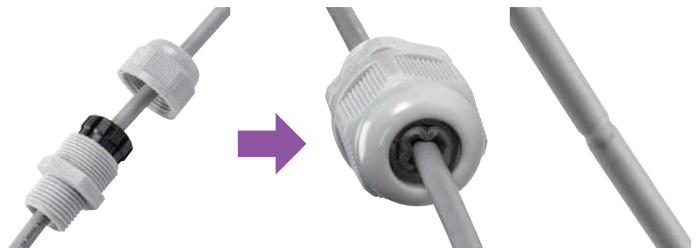
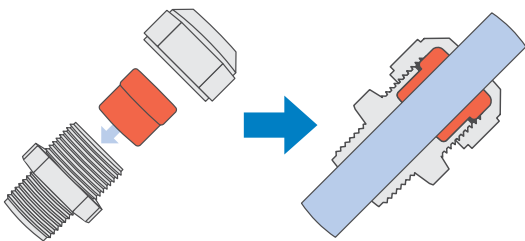
| Technical Data                        |
|---------------------------------------|
| Protection class: IP68 1bar / 30min   |
| Operating temperature: -20°C ~ +100°C |
| Compliant with EN50262 Ver. A         |

**AG 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.



**Components**

■ PA6GF = Polyamide6 Glass Fiber Filled

| No. | Part name      | Material |
|-----|----------------|----------|
| 1   | Cap            | PA6GF    |
| 2   | Sealing insert | TPE      |
| 3   | Connector      | PA6GF    |
| 4   | Lock nut       | PA6      |

- Lock nut is not included for M8 and M10 sizes.  
Please drill a proper thread hole into the enclosure for installation.

- 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.

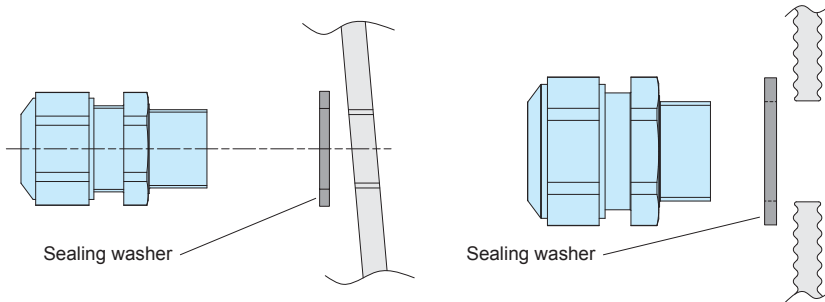




■ No optional sealing washer is required when installing on an even surface because of the built-in waterproof rib.

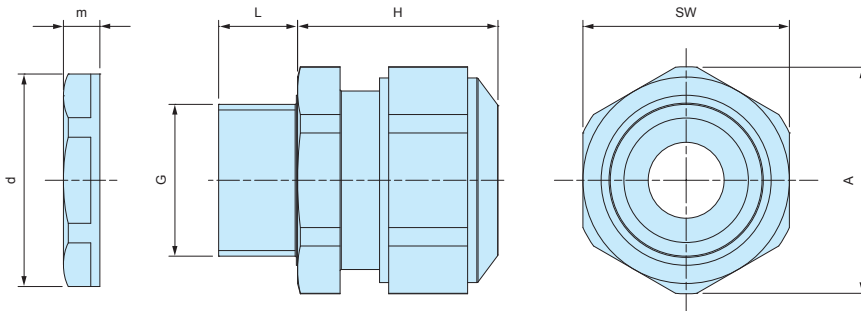
■ An optional sealing washer is required when installing on an uneven surface. (See page AGP-1 for more information on the optional sealing washer)

Waterproof rib



**AG dimensions**

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



■ Lock nut is not included for M8 and M10 sizes. Please drill a proper thread hole into the enclosure for installation.

**Product no. / Dimensions**

| Product no. |              | G           |               | Cable range |      | L  | H Max | SW | A    | d    | m   | Pack of |
|-------------|--------------|-------------|---------------|-------------|------|----|-------|----|------|------|-----|---------|
| ● Black     | ● Light gray | Thread size | Mounting hole | Min         | Max  |    |       |    |      |      |     |         |
| AG8-3.5B    | AG8-3.5S     | M8×1.0      | —             | 2.5         | 3.5  | 10 | 17    | 12 | 13.2 | —    | —   | 1       |
| AG8-5B      | AG8-5S       | M8×1.0      | —             | 3.5         | 4.7  | 10 | 17    | 12 | 13.2 | —    | —   | 1       |
| AG10-6B     | AG10-6S      | M10×1.0     | —             | 4           | 6    | 10 | 19    | 15 | 16.5 | —    | —   | 1       |
| AG12-5B     | AG12-5S      | M12×1.5     | Φ12.2         | 3.5         | 4.7  | 12 | 23.5  | 17 | 18.7 | 18.8 | 5   | 1       |
| AG12-6.5B   | AG12-6.5S    | M12×1.5     | Φ12.2         | 5           | 6.5  | 12 | 23    | 17 | 18.7 | 18.8 | 5   | 1       |
| AG12-8B     | AG12-8S      | M12×1.5     | Φ12.2         | 6.5         | 7.8  | 12 | 23    | 17 | 18.7 | 18.8 | 5   | 1       |
| AG16-10B    | AG16-10S     | M16×1.5     | Φ16.2         | 8           | 10   | 12 | 26    | 21 | 23.1 | 24.3 | 5   | 1       |
| AG20-15B    | AG20-15S     | M20×1.5     | Φ20.2         | 11          | 15   | 13 | 27    | 27 | 29.7 | 29   | 6   | 1       |
| AG25-16B    | AG25-16S     | M25×1.5     | Φ25.2         | 12.5        | 16   | 13 | 34    | 34 | 37.4 | 36   | 6.7 | 1       |
| AG25-20B    | AG25-20S     | M25×1.5     | Φ25.2         | 16          | 20   | 13 | 34    | 34 | 37.4 | 36   | 6.7 | 1       |
| AG32-25.5B  | AG32-25.5S   | M32×1.5     | Φ32.3         | 21          | 25.5 | 15 | 36    | 41 | 45.6 | 46   | 8   | 1       |
| AG40-28.5B  | AG40-28.5S   | M40×1.5     | Φ40.3         | 24          | 28.5 | 15 | 41    | 50 | 55.4 | 53.5 | 9   | 1       |
| AG40-33B    | AG40-33S     | M40×1.5     | Φ40.3         | 28.5        | 33   | 15 | 41    | 50 | 55.4 | 53.5 | 9   | 1       |
| AG50-37B    | AG50-37S     | M50×1.5     | Φ50.4         | 33          | 37   | 16 | 45    | 60 | 65.5 | 66   | 9.6 | 1       |
| AG50-42B    | AG50-42S     | M50×1.5     | Φ50.4         | 37          | 42   | 16 | 45    | 60 | 65.5 | 66   | 9.6 | 1       |

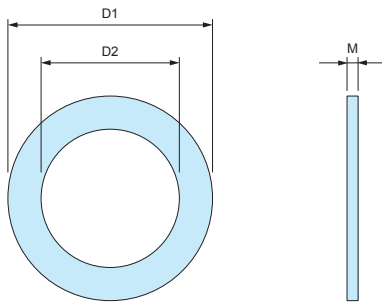
# AGP SERIES

# SEALING WASHER for AG • AGSP



- Sealing washer for AG series.
- Made from oil resistant NBR material.
- Use in the case of installation on a rough or uneven surfaces.
- Selectable in 7 sizes (from M12 to M50)
- Sealing washer is not necessary for installation on flat surfaces.

## AGP Dimensions



- Material : NBR



### Product no. / Dimensions

| Product no. | D1   | D2   | M   | Suitable cable gland | Pack of |
|-------------|------|------|-----|----------------------|---------|
| AGP-12      | 20   | 12   | 1.6 | AG12                 | 10      |
| AGP-16      | 23.5 | 16.5 | 2.0 | AG16                 | 10      |
| AGP-20      | 29   | 20   | 2.0 | AG20                 | 10      |
| AGP-25      | 37   | 25   | 2.0 | AG25                 | 10      |
| AGP-32      | 44   | 32   | 2.2 | AG32                 | 5       |
| AGP-40      | 52   | 40   | 2.2 | AG40                 | 5       |
| AGP-50      | 64   | 50   | 3.1 | AG50                 | 5       |

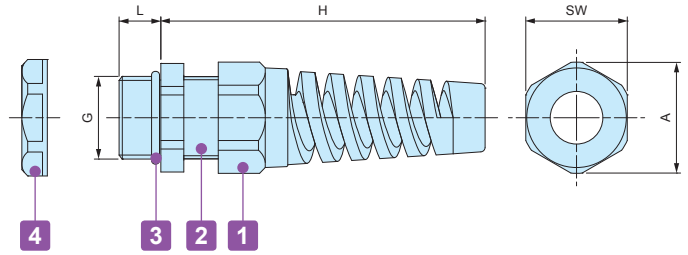
# RSP SERIES

# STRAIN RELIEF CABLE GLAND



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

### RSP dimensions



### Components

■ PA = Polyamide

| No. | Part name         | Material       |
|-----|-------------------|----------------|
| 1   | Strain relief cap | PA66 (UL94V-2) |
| -   | Sealing insert    | NBR            |
| 2   | Connector         | PA66 (UL94V-2) |
| 3   | O-ring            | NBR            |
| 4   | Lock- nut         | PA66 (UL94V-2) |

| Technical Data   |
|--|
| Protection class : IP67<br>Temperature range -20°C ~ +80°C |

### Product no. / Dimensions

| Product no. |              | G           |               | Cable range |     | L  | H Max | SW   | A  | Pack of |
|-------------|--------------|-------------|---------------|-------------|-----|----|-------|------|----|---------|
| ● Black     | ● Light gray | Thread size | Mounting hole | Min         | Max |    |       |      |    |         |
| RSP12-6B    | RSP12-6S     | M12×1.5     | φ12.2         | 3.5         | 6   | 9  | 62    | 16   | 17 | 1       |
| RSP16-8B    | RSP16-8S     | M16×1.5     | φ16.2         | 4           | 8   | 9  | 69    | 19.5 | 21 | 1       |
| RSP20-11B   | RSP20-11S    | M20×1.5     | φ20.2         | 6           | 11  | 10 | 82    | 24   | 26 | 1       |
| RSP25-16B   | RSP25-16S    | M25×1.5     | φ25.2         | 11          | 16  | 12 | 102   | 33   | 36 | 1       |

# AGM SERIES

# METAL CABLE GLAND

IP68



- 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.

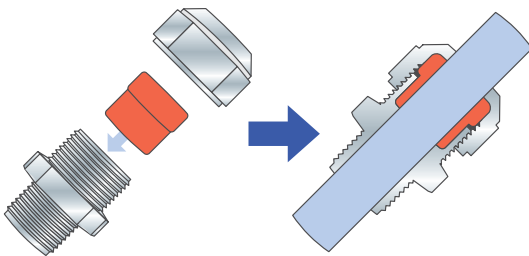
| Technical Data                        |
|---------------------------------------|
| Protection class: IP68 1bar / 30min   |
| Operating temperature: -40°C ~ +100°C |
| Compliant with EN50262 Ver. A         |

### 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.

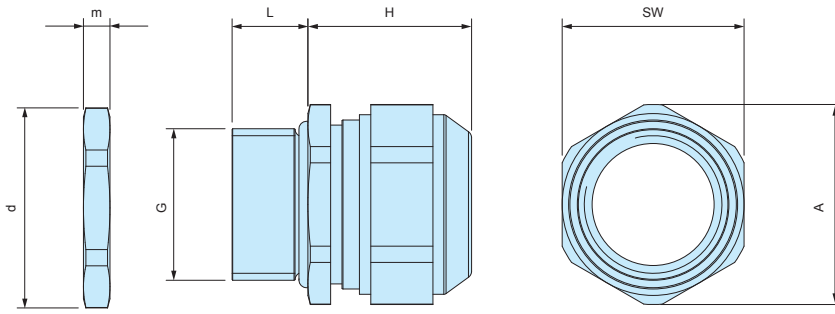


### Components

| 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       |

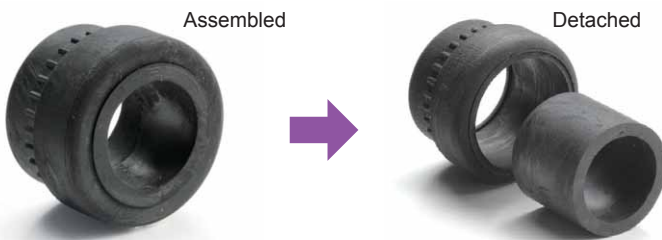
# AGE SERIES

# EMC SHIELDED CABLE GLAND



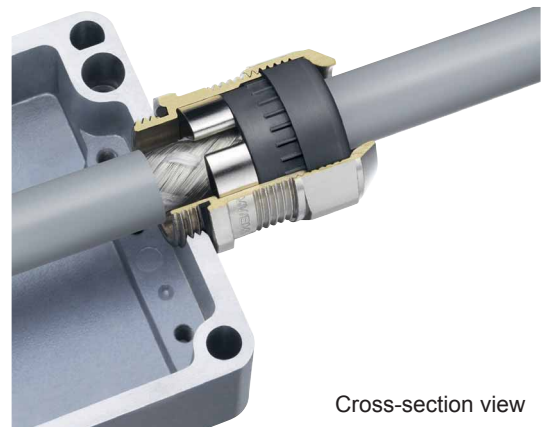
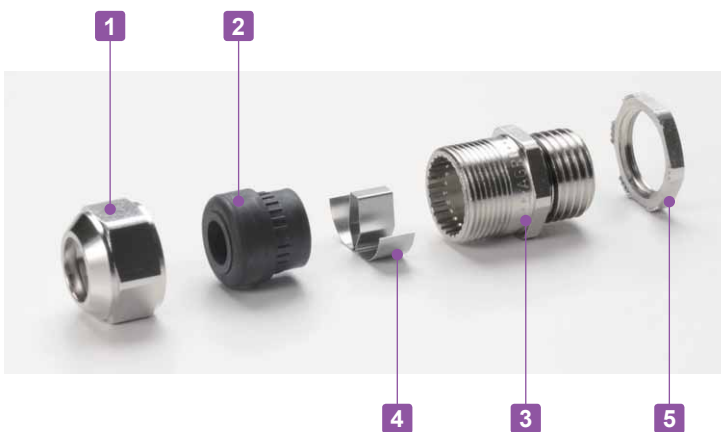
- Optimal contact spring provides excellent shield contact and the smallest possible transfer impedance.
- Clawed lock nut makes a good EMC shield contact possible on conductive enclosures.
- Shape of the contact spring not only allows for a large clamping range to the shield but also enables easy and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



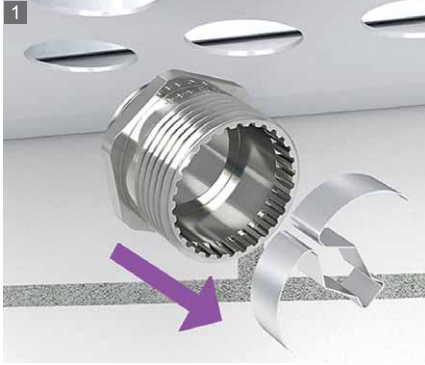
Cross-section view

### 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**



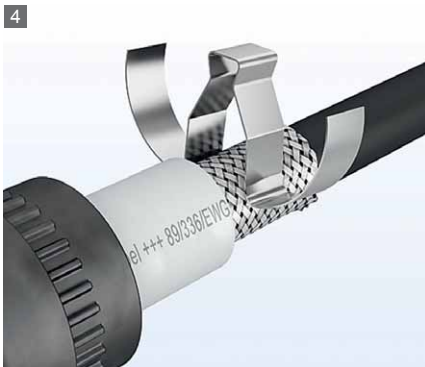
1 Remove the contact spring from the connector.



2 Install the connector onto the enclosure.



3 Strip the cable.



4 Clip the contact spring on the shielded cable.



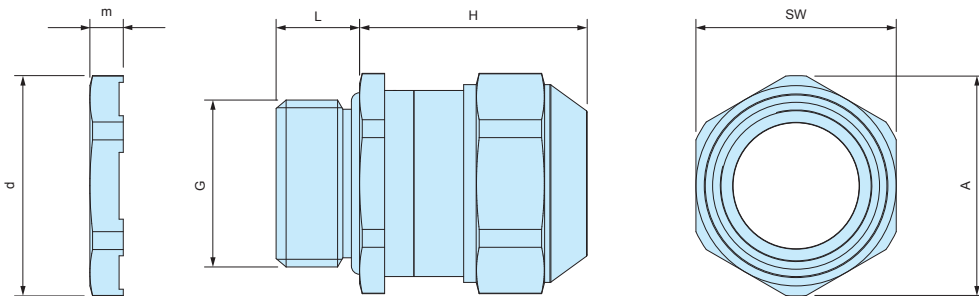
5 Pass the cable through the Sealing insert and cap.



6 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       |

# AGH SERIES

# HEAT RESISTANT METAL CABLE GLAND

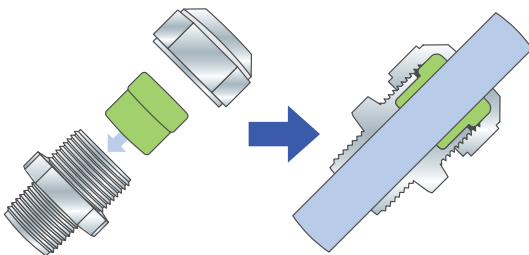


- Heat resistant sealing insert made of FPM material. Resistant up to 200°C
- IP68 1bar / 30min high performance waterproof cable gland.

| Technical Data   |
|--|
| Protection class : Protection class IP68 1bar / 30min<br>10m depth immersion in 30 minutes |
| Operating temperature : -40°C ~ +200°C   |
| Compliant with EN50262 Var. A  |

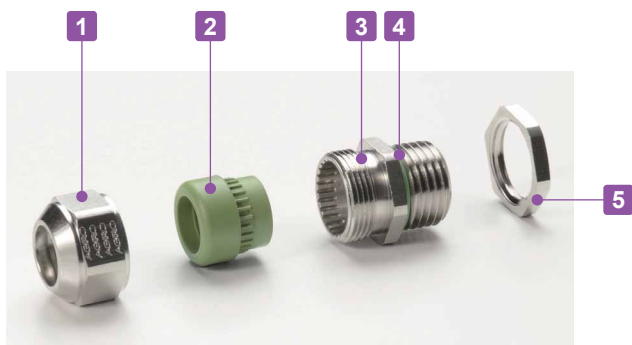
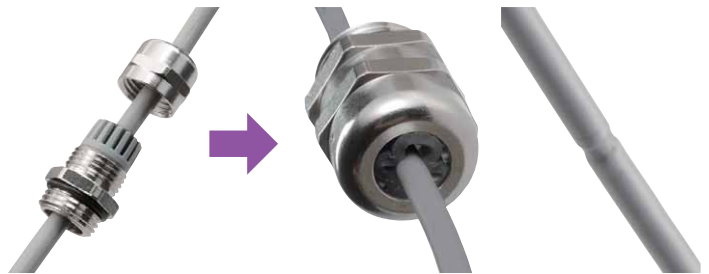
### AGH series

Thicker sealing insert evenly clasp onto the cable by having a larger area. Remains durable even after repeated tightening / loosening.



### Conventional cable gland

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



- Tightening torque varies depending on the cable diameter. Tighten until the sealing insert protrudes slightly from the cap.

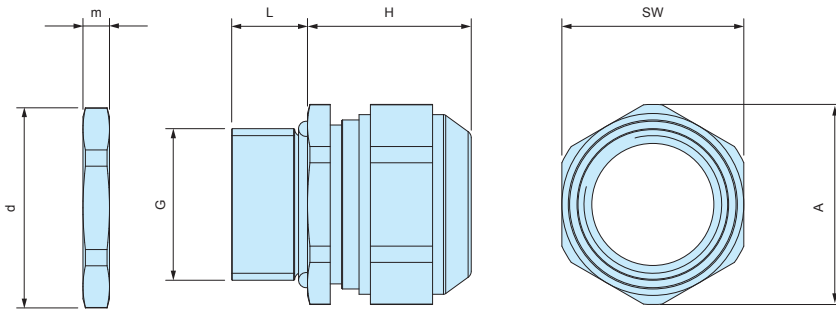


### Components

| No. | Part name      | Material | Color / Finish |
|-----|----------------|----------|----------------|
| 1   | Cap            | Brass    | Nickel plated  |
| 2   | Sealing insert | FPM      | Green          |
| 3   | Connector      | Brass    | Nickel plated  |
| 4   | O-Ring         | FPM      | Green          |
| 5   | Lock-nut       | Brass    | Nickel plated  |

**AGH 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  |    |       |    |      |      |     |         |
| AGH10-6     | M10×1.5     | Φ10.2         | 4.0         | 6.0  | 10 | 15    | 13 | 14.3 | 14.2 | 3   | 1       |
| AGH12-8     | M12×1.5     | Φ12.2         | 6.5         | 8.0  | 10 | 17    | 15 | 16.5 | 16.5 | 3   | 1       |
| AGH16-10.5  | M16×1.5     | Φ16.2         | 8.0         | 10.5 | 10 | 20    | 18 | 20   | 21   | 3   | 1       |
| AGH20-15    | M20×1.5     | Φ20.2         | 11.0        | 15.0 | 10 | 23    | 24 | 26.5 | 26.3 | 3.5 | 1       |
| AGH25-20    | M25×1.5     | Φ25.2         | 16.0        | 20.0 | 11 | 27    | 30 | 33   | 33   | 4   | 1       |
| AGH32-25.5  | M32×1.5     | Φ32.3         | 21.0        | 25.5 | 13 | 28.5  | 36 | 39.7 | 39.7 | 4   | 1       |

# PMF-6B

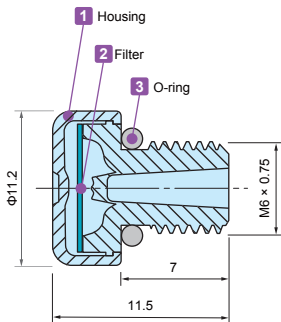
# SMALL PROTECTIVE VENT



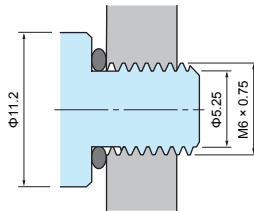
Application example

- Small and screw-in protective vent suitable for compact, and hand-held type devices.
- IP68 protection class (water depth 2 meters / 60 mins) and -40°C ~ +150°C operating temperature range allows it to be used in various environments.
- Suitable for enclosures with capacities of 2.0 litres or under.
- For outdoor use, installation on the side of the enclosure unit is recommended.

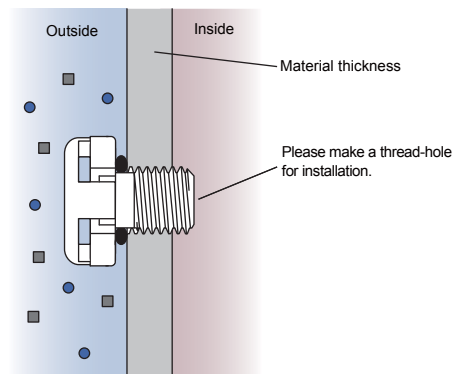
## PMF-6B dimensions



## Hole milling drawings



## Installation drawings



### Technical Data

|                    |   |
|--------------------|---|
| Airflow            | 300ml / min (dp = 7 kPa)  |
| Recommended Torque | 0.2 ~ 0.4 N • m   |
| Certifications     | IEC60529 (Protection class test) : IP66 • IP67 • IP68<br>IEC60068-2-1, 2, 14 (Heat resistance test) : -40°C ~ +150°C<br>IEC60068-2-78 (Humidity test) : 85°C • 85% humidity • 1000 hours<br>IEC60068-2-64 (Vibration test)<br>UL94V-0 (Flame-resistant) • UL746C f1 |

### Product no. / Dimensions

| Product no. | Material                |          |          | G           |            |
|-------------|-------------------------|----------|----------|-------------|------------|
| ● Black     | 1 Housing               | 2 Filter | 3 O-ring | Thread size | Mount hole |
| PMF-6B      | PA6 (Body) • PA66 (Cap) | PTFE     | Silicone | M6 x 0.75   | —          |

PMF-12M

STAINLESS STEEL PROTECTIVE VENT

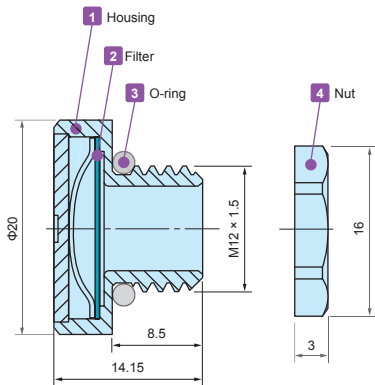
★ ★ NEW

IP68 IP69K

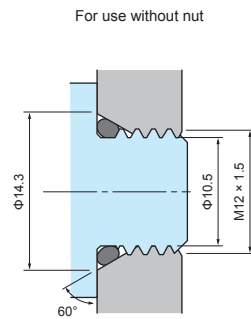


- Stainless steel protective vent for superior durability and chemical resistance.
- IP68 protection class (water depth 2 meters / 60 mins) and -40°C ~ +125°C operating temperature range allows it to be used in various environments.
- Suitable for enclosures with capacities of 20 liters or under.
- For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

PMF-12M dimensions

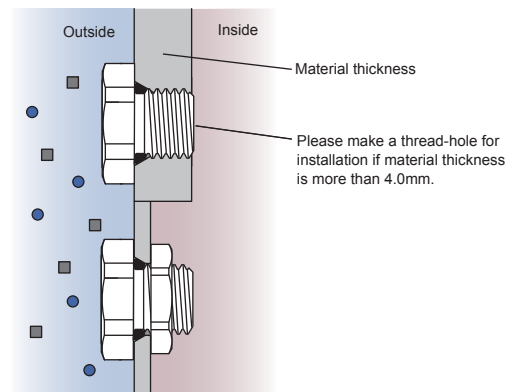


Hole milling drawings



- While Φ12.2mm 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<br>IEC60068-2-1, 2, 14 (Heat resistance test) : -40°C ~ +125°C<br>IEC60068-2-78 (Humidity test) : 85°C • 85% humidity • 1000 hours<br>IEC60068-2-64 (Vibration test) |

Product no. / Dimensions

| Product no. | Material        |          |          |                       | G           |            | Nut SW |
|-------------|-----------------|----------|----------|-----------------------|-------------|------------|--------|
|             | 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   | Φ12.2      | 15     |

PMF SERIES

PROTECTIVE VENT

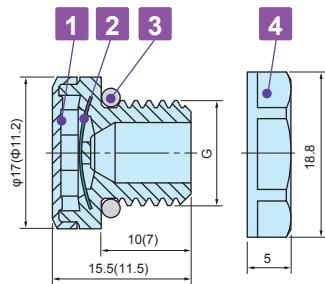


Application example

- Protective vents prevents the ingress of a variety of contaminants, such as water, dust and other particules while allowing water vapor molecules to diffuse through the microporous membrane.
- Equalize pressure and reduce condensation by allowing airflow into and out of sealed enclosures.
- With an IP68 protection class (water depth 2 meters / 60 mins) and -40°C ~ +125°C operating temperature range, it can be used in harsh environmental conditions.
- PMF-6B works up to 2 liters capacity enclosures. Whereas, PMF-12 models work for up to 5 liters and PMF-12HS models work for up to 50 liters.
- For outdoor use, more efficient to install on the side(s).
- Recommended to use for industrial, electric, electronics purpose only.

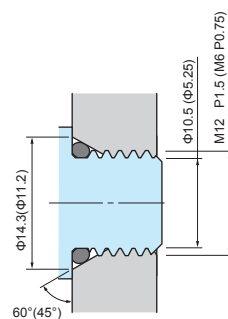
PMF dimensions

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



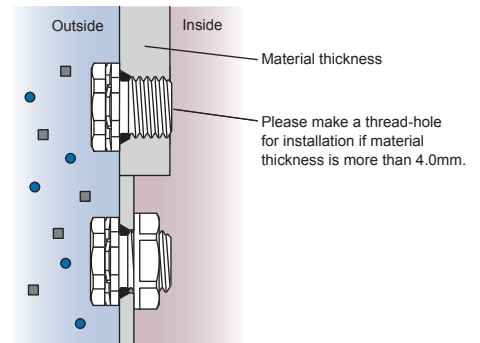
( ) values are for PMF-6B.  
Lock nut is not available for PMF-6B.

Hole milling drawings



■ While  $\Phi 12.2\text{mm}$  through-hole is sufficient for installation,  $60^\circ$  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, and  $\Phi 12.2\text{mm}$  through-hole is sufficient.

Technical Data

| Product no.        | PMF-6B  | PMF-12                   | PMF-12HA                  |
|--------------------|---|--------------------------|---------------------------|
| Airflow            | 300ml / min (dp = 7 kPa)  | 450ml / min (dp = 7 kPa) | 4000ml / min (dp = 7 kPa) |
| Recommended Torque | 0.2 ~ 0.4 N · m   | 0.6 ~ 0.8 N · m          | 0.6 ~ 0.8 N · m           |
| Certifications     | IEC60529 (Protection class test): IP66 • IP67 • IP68 • IP69K (Not for PMF-6B)<br>IEC60068-2-1, 2, 14 (Heat resistance test): - 40°C ~ +125°C (~+150°C for PMF-6B)<br>IEC60068-2-78 (Humidity test): 85°C • 85% humidity • 1000 hours<br>IEC60068-2-64 (Vibration test) (PMF-6B only)<br>UL94V-0 (Flame-resistant) • UL746C f1 |                          |                           |

Product no. / Dimensions

| Product no.  |                   | Material                 |          |          |               | G           |             | Nut SW |
|--------------|-------------------|--------------------------|----------|----------|---------------|-------------|-------------|--------|
| ● Light gray | ● Black           | 1 Housing                | 2 Filter | 3 O-ring | 4 Lock nut    | Thread size | Mount hole  |        |
| —            | <b>NEW</b> PMF-6B | PA6 (Body)<br>PA66 (Cap) | PTFE     | Silicone | n/a           | M6 x 0.75   | —           | —      |
| PMF-12S      | PMF-12B           | PA6                      | PTFE     | Silicone | PA6 (UL94V-2) | M12 x 1.5   | $\Phi 12.2$ | 17     |
| PMF-12HAS    | PMF-12HAB         | PA6                      | PTFE     | Silicone | PA6 (UL94V-2) | M12 x 1.5   | $\Phi 12.2$ | 17     |

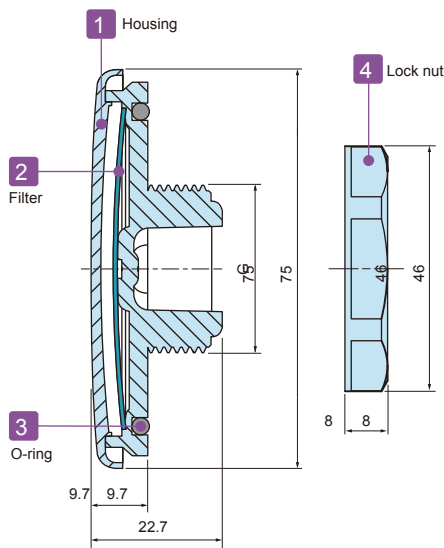
PMF-32 SERIES

LARGE PROTECTIVE VENT

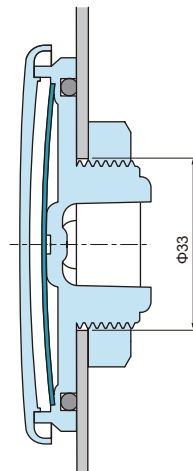


- Maintaining high airflow for large enclosures in an outdoor environment.
- Equalize pressure and reduce condensation by allowing airflow into and out of sealed enclosures.
- Simple and flat design allows it to be used on a wide variety of enclosure types.
- IP68 protection class rated with an operating temperature range of -40°C ~ +125°C allows it to be used in harsh environments.
- Compliant with Solar industry testing IEC62108 standards.
- For superior performance, installation on the side of the enclosure is recommended.

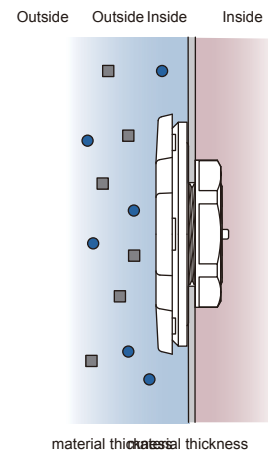
PMF-32 Dimensions



Hole milling drawings



Installation drawings



- If used with a lock nut, material thickness should not exceed 5.0mm.

Technical Data

|                              |   |
|------------------------------|---|
| Airflow                      | 16 ℓ / min (dp = 12 mbar)   |
| Recommended torque           | 5 N · m   |
| Certifications (without nut) | IEC529, 2nd (Protection class test): IP66 • IP67 • IP68 • IP69K<br>IEC60068-2-1, 2, 14 (Heat resistance test): - 40°C ~ +125°C<br>IEC60068-2-78 (Humidity test): 85°C • 85% humidity • 1000 hours<br>IEC62108.10.8 • 9 (Solar industry test): Freezing - high temperature test • Hail impact test<br>UL94V-0 (Flame-resistant) • UL746C |

Product no. / Dimensions

| Product no. | Material  |          |          |            | G           |            | Nut SW |
|-------------|-----------|----------|----------|------------|-------------|------------|--------|
|             | 1 Housing | 2 Filter | 3 O-ring | 4 Lock nut | Thread size | Mount hole |        |
| PMF-32S     | PC        | PTFE     | Silicone | PA6        | M32×1.5     | Φ33        | 41.5   |



VSC SERIES

ADHESIVE PROTECTIVE VENT FILTER



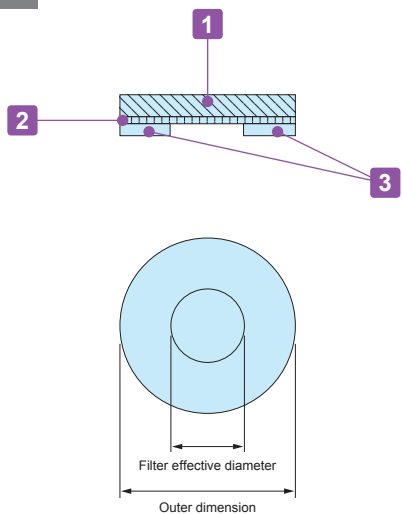
| Technical Data   |
|--|
| Water Entry Pressure (WEP): $\geq 20.0\text{kPa}$                        |
| Airflow: $450\text{cc}/\text{cm}^2 \cdot \text{min}$ at $1.29\text{Kpa}$ |

- Prevents ingress of a variety of contaminants, such as water, dust and other particles.
- Allows water vapor molecules to diffuse through the microporous membrane.
- Recommended to be adhered onto flat plastic or metallic surfaces.

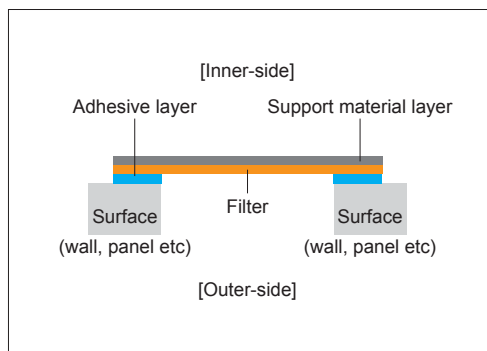
NOTE

- Surface must be wiped dry before adhering.
- An initial period of a few hours is required for the adhesive to properly bond to the surface.
- Please do not adhere onto the top-side of enclosures. Rain water etc will collect on the filter, which will weaken the adhesive seal and prevent ventilation.

Drawing



Installation drawing



Components

| No. | Part name        | Material         | Color       |
|-----|------------------|------------------|-------------|
| 1   | Adhesive         | Acrylic adhesive | Transparent |
| 2   | Filter           | PTFE             | White       |
| 3   | Support material | Polyester fabric | White       |

Product no. / Dimensions

| Product no. | Outer dimension (Φ) | Filter effective diameter (Φ) | Thickness | Sales unit          |
|-------------|---------------------|-------------------------------|-----------|---------------------|
| VSC075      | 7.5                 | 4.0                           | 0.35      | 5 pcs (per pack)    |
| VSC130      | 13.0                | 8.0                           | 0.35      | 4 pcs (per pack)    |
| VSC240      | 24.0                | 16.0                          | 0.35      | 4 pcs (per pack)    |
| VSC075-S    | 7.5                 | 4.0                           | 0.35      | 100 pcs (per sheet) |
| VSC130-S    | 13.0                | 8.0                           | 0.35      | 56 pcs (per sheet)  |
| VSC240-S    | 24.0                | 16.0                          | 0.35      | 20 pcs (per sheet)  |

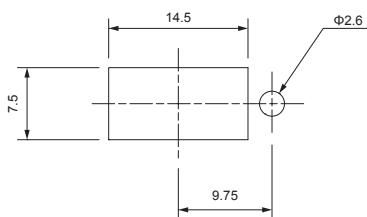
CJCV SERIES

USB DUST COVER FLAP

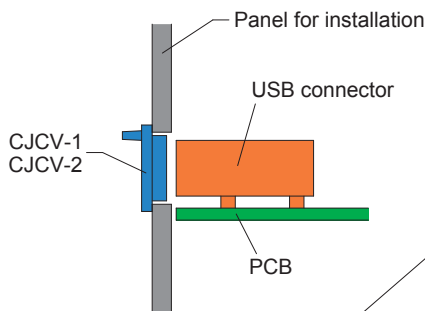


- USB TYPE-A connector dust cover plug with stopper cord.
- Hole milling is required for flap installation.

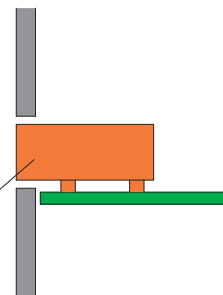
Mounting hole dimension



How to Install



Incorrect Position



- The USB connector should be mounted such that it does not protrude out from the panel's inner side.

Product no. / Feature

| Product no.        | Material | Color | Panel thickness | A    | Pack of |
|--------------------|----------|-------|-----------------|------|---------|
| <b>NEW</b> C.JCV-1 | TPU      | Black | 0.5 ~ 2.0mm     | 8    | 10      |
| <b>NEW</b> C.JCV-2 | TPU      | Black | 2.0 ~ 12.0mm    | 18.2 | 10      |

USBC SERIES

USB TYPE-A DUSTPROOF BLIND PLUG



USB TYPE-A

- Easy insertion plug for USB type-A connector

USBC-2 (Pull-tab type)



USBC-8 (No pull-tab type)



Product no. / Feature

| Product no.       | Material     | Color | Pack of |
|-------------------|--------------|-------|---------|
| <b>NEW</b> USBC-2 | ABS UL94HB   | Black | 10      |
| <b>NEW</b> USBC-8 | PA66 UL94V-2 | Black | 10      |

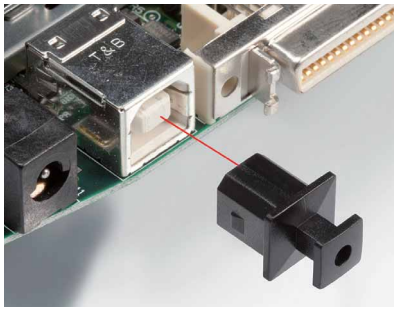
**USBC SERIES**

**USB TYPE-B • TYPE-C DUSTPROOF BLIND PLUG**

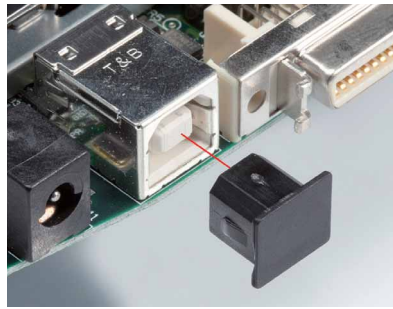


**USB TYPE-B**

USBC-1 (Pull-tab type)



USBC-3 (No pull-tab type)



Product no. / Feature

| Product no.       | Material    | Color | Pack of |
|-------------------|-------------|-------|---------|
| <b>NEW</b> USBC-1 | ABS UL94V-0 | Black | 10      |
| <b>NEW</b> USBC-3 | PP UL94HB   | Black | 10      |

**USB TYPE-C**

USBC-3C



USB Type-C connector



Product no. / Feature

| Product no.        | Material | Color | Pack of |
|--------------------|----------|-------|---------|
| <b>NEW</b> USBC-3C | PE       | Black | 10      |

**USBC SERIES**

**MINI USB • MICRO USB DUSTPROOF BLIND PLUG**



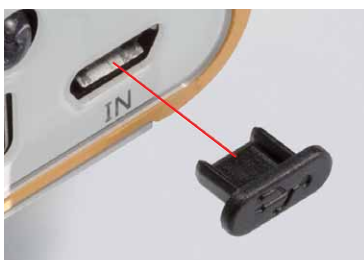
**MINI USB** USBC-10



Product no. / Feature

| Product no.        | Material | Color | Pack of |
|--------------------|----------|-------|---------|
| <b>NEW</b> USBC-10 | TPE      | Black | 10      |

**MICRO USB** USBC-31



Product no. / Feature

| Product no.        | Material | Color | Pack of |
|--------------------|----------|-------|---------|
| <b>NEW</b> USBC-31 | PE       | Black | 10      |

**KPS SERIES**

**USB DUSTPROOF CONNECTOR COVER**

**USB TYPE-A**



**Product no. / Feature**

| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| KPS-6       | PE       | Natural | 10      |

**USB TYPE-B**



**Product no. / Feature**

| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| KPS-5       | PE       | Natural | 10      |

**MINI USB**



**Product no. / Feature**

| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| KPS-20      | PE       | Natural | 10      |

**MICRO USB**

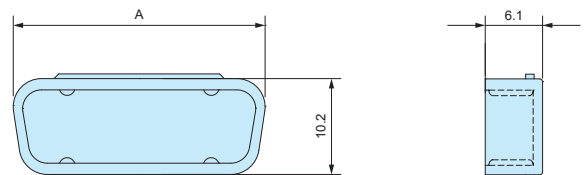


**Product no. / Feature**

| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| KPS-21      | PE       | Natural | 10      |

**DTC SERIES**

**D-SUB • DVI DUSTPROOF CONNECTOR COVER**

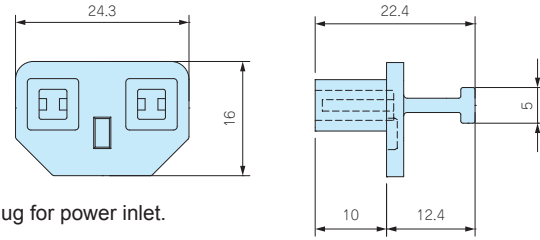
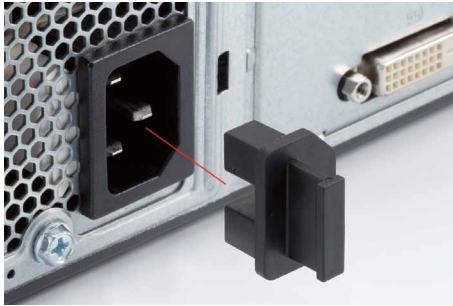


**Product no. / Feature**

| Product no. | Matching connector | A    | Material  | Color | Pack of |
|-------------|--------------------|------|-----------|-------|---------|
| DTC- 9F     | D-sub 9 pin        | 18.5 | PP UL94HB | Gray  | 10      |
| DTC-15F     | D-sub 15 pin • DVI | 26.8 | PP UL94HB | Gray  | 10      |
| DTC-25F     | D-sub 25 pin       | 40.6 | PP UL94HB | Gray  | 10      |

**PLC-3TV**

**POWER INLET DUSTPROOF BLIND PLUG**



■ Pull-tab type blind plug for power inlet.

**Product no. / Feature**

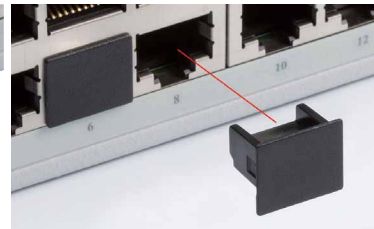
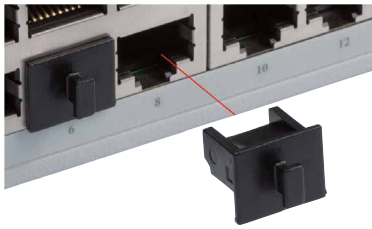
| Product no. | Material    | Color | Pack of |
|-------------|-------------|-------|---------|
| PLC-3TV     | TPE UL94V-0 | Black | 5       |

**PJR • PJS SERIES**

**RJ45 DUSTPROOF BLIND PLUG**

PJR-45 (Pull-tab type)

PJS-45 (No pull-tab type)



**Product no. / Feature**

| Product no. | Material   | Color | Pack of |
|-------------|------------|-------|---------|
| PJR-45      | PE         | Black | 10      |
| PJS-45      | ABS UL94HB | Black | 10      |

**PJCV-1**

**RJ45 DUSTPROOF CONNECTOR COVER**



**Product no. / Feature**

| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| PJCV-1      | PE       | Natural | 10      |

**HDMIC SERIES**

**HDMI DUSTPROOF BLIND PLUG**



HDMIC-1 (Pull-tab type)

HDMIC-3 (No pull-tab type)

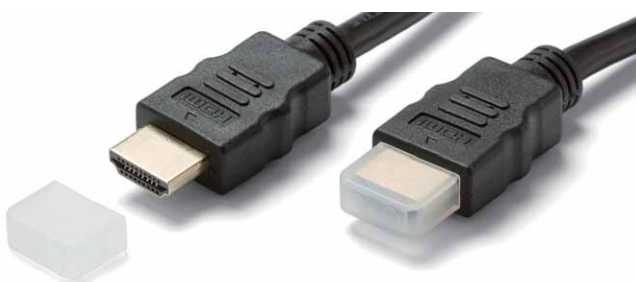


**Product no. / Feature**

| Product no. | Material   | Color | Pack of |
|-------------|------------|-------|---------|
| HDMIC-1     | PE         | Black | 10      |
| HDMIC-3     | ABS UL94HB | Black | 10      |

**HDMIT SERIES**

**HDMI DUSTPROOF CONNECTOR COVER**

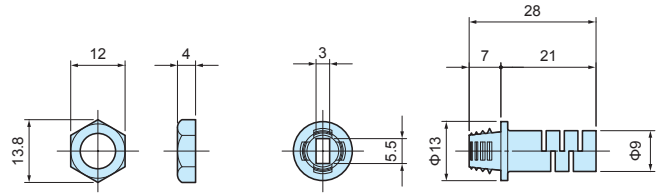


**Product no. / Feature**

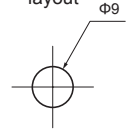
| Product no. | Material | Color   | Pack of |
|-------------|----------|---------|---------|
| HDMIT-1     | PE       | Natural | 10      |

CP SERIES

CORD PROTECTOR



Installation hole layout



- Cord protector for protection against cord twists and breakage.
- Nut can be secured from the back side of the panel for additional stability.

Components

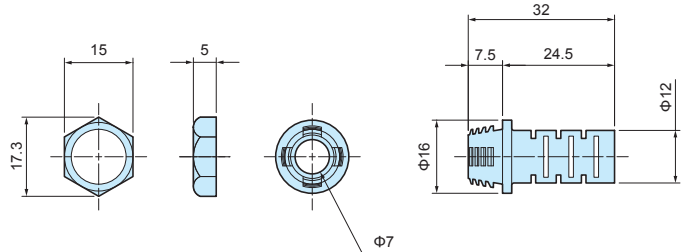
| No. | Part name | Material     |
|-----|-----------|--------------|
| 1   | Connector | PVC          |
| 2   | Nut       | Polyethylene |

Product no. / Feature

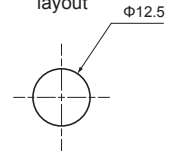
| Product no. |              | Panel thickness | Cord diameter | Pack of |
|-------------|--------------|-----------------|---------------|---------|
| ● Black     | ● Light Gray |                 |               |         |
| CP-Y85B     | CP-Y85G      | 1.5 ~ 2.0       | VFF0.75×2     | 10      |

CP SERIES

CORD PROTECTOR



Installation hole layout



- Cord protector for protection against cord twists and breakage.
- Nut can be secured from the back side of the panel for additional stability.

Components

| No. | Part name | Material     |
|-----|-----------|--------------|
| 1   | Connector | PVC          |
| 2   | Nut       | Polyethylene |

Product no. / Feature

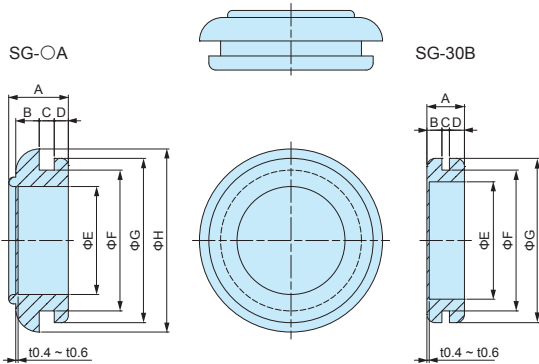
| Product no. |              | Panel thickness | Cord diameter            | Cord shape | Pack of |
|-------------|--------------|-----------------|--------------------------|------------|---------|
| ● Black     | ● Light Gray |                 |                          |            |         |
| CP-127B     | CP-127G      | 1.5 ~ 2.0       | $\phi 5.8 \sim \phi 6.8$ | Round cord | 10      |

**SG SERIES**

**RUBBER MEMBRANE GROMMET**



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



**Technical Data**

Operating temperature: -30°C ~ +100°C

**Components**

| Material | Hardness | Color |
|----------|----------|-------|
| EPDM     | 55°±5°   | Black |

■ Membrane thickness = 0.4 ~ 0.6mm

**Product no. / Dimensions**

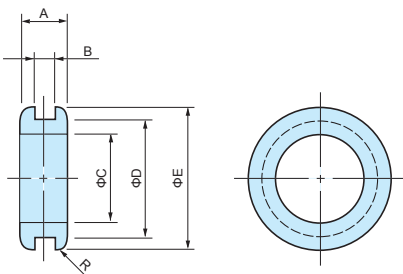
| Product no. | A    | B   | C   | D   | E   | F  | G  | H  | Pack of |
|-------------|------|-----|-----|-----|-----|----|----|----|---------|
| SG- 9A      | 8.5  | 3.5 | 2.3 | 2   | 4.5 | 9  | 13 | 16 | 10      |
| SG-12A      | 6.3  | 2.5 | 1.6 | 1.5 | 7   | 12 | 16 | 19 | 10      |
| SG-14A      | 8    | 2.7 | 2.3 | 2   | 9   | 14 | 18 | 21 | 10      |
| SG-16A      | 8.1  | 3.5 | 1.6 | 2   | 11  | 16 | 20 | 23 | 10      |
| SG-18A      | 8.8  | 3.5 | 2.3 | 2   | 13  | 18 | 22 | 25 | 10      |
| SG-20A      | 9.1  | 4   | 1.6 | 2.5 | 15  | 20 | 24 | 27 | 10      |
| SG-22A      | 9.8  | 4   | 2.3 | 2.5 | 17  | 22 | 26 | 29 | 10      |
| SG-24A      | 11.3 | 5   | 2.3 | 3   | 19  | 24 | 28 | 31 | 10      |
| SG-26A      | 12.2 | 5   | 3.2 | 3   | 19  | 26 | 31 | 35 | 10      |
| SG-28A      | 11.8 | 5   | 2.3 | 3   | 21  | 28 | 33 | 37 | 10      |
| SG-30A      | 12.7 | 5   | 3.2 | 3   | 23  | 30 | 35 | 39 | 10      |
| SG-30B      | 8    | 3.2 | 1.6 | 3.2 | 25  | 30 | 35 | —  | 10      |
| SG-32A      | 11.8 | 5   | 2.3 | 3   | 25  | 32 | 37 | 41 | 10      |
| SG-34A      | 12.7 | 5   | 3.2 | 3   | 27  | 34 | 39 | 43 | 10      |
| SG-36A      | 13.8 | 6   | 2.3 | 4   | 28  | 36 | 42 | 45 | 10      |
| SG-38A      | 14.7 | 6   | 3.2 | 4   | 30  | 38 | 44 | 48 | 10      |
| SG-42A      | 14.7 | 6   | 3.2 | 4   | 34  | 42 | 48 | 52 | 10      |

**NG SERIES**

**RUBBER GROMMET**



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



**Technical Data**

Operating temperature: -30°C ~ +100°C

**Components**

| Material | Hardness  | Color |
|----------|-----------|-------|
| EPDM     | 50° ~ 55° | Black |

**Product no. / Dimensions**

| Product no. | A   | B   | C   | D  | E  | R   | Pack of |
|-------------|-----|-----|-----|----|----|-----|---------|
| NG-79-1     | 3.7 | 1.2 | 3.5 | 6  | 9  | 0.6 | 10      |
| NG-79-A1    | 4   | 1   | 5   | 8  | 11 | 0.6 | 10      |
| NG-79-A     | 4.5 | 1.5 | 5   | 8  | 11 | 0.6 | 10      |
| NG-79-A2    | 5   | 2   | 5   | 8  | 11 | 0.6 | 10      |
| NG-79-B     | 6   | 3   | 5   | 8  | 11 | 0.6 | 10      |
| NG-79-C     | 4.5 | 1.5 | 7   | 10 | 13 | 0.6 | 10      |
| NG-79-D     | 6   | 3   | 7   | 10 | 13 | 0.6 | 10      |
| NG-79-E     | 4.5 | 1.5 | 9   | 12 | 15 | 0.6 | 10      |
| NG-79-F     | 6   | 3   | 9   | 12 | 15 | 0.6 | 10      |
| NG-79-G     | 5.5 | 1.5 | 11  | 15 | 19 | 1   | 10      |
| NG-79-H     | 7   | 3   | 11  | 15 | 19 | 1   | 10      |
| NG-79-J     | 5.5 | 1.5 | 13  | 17 | 21 | 1   | 10      |
| NG-79-K     | 7   | 3   | 13  | 17 | 21 | 1   | 10      |
| NG-79-L     | 5.5 | 1.5 | 15  | 19 | 23 | 1   | 10      |
| NG-79-M     | 7   | 3   | 15  | 19 | 23 | 1   | 10      |
| NG-79-N     | 6.5 | 1.5 | 20  | 25 | 30 | 1.2 | 10      |
| NG-79-O     | 8   | 3   | 20  | 25 | 30 | 1.2 | 10      |
| NG-79-P     | 6.5 | 1.5 | 25  | 30 | 35 | 1.2 | 10      |
| NG-79-Q     | 8   | 3   | 25  | 30 | 35 | 1.2 | 10      |
| NG-79-R     | 7.5 | 1.5 | 30  | 36 | 42 | 1.2 | 10      |
| NG-79-S     | 9   | 3   | 30  | 36 | 42 | 1.2 | 10      |
| NG-74       | 4   | 1   | 3   | 5  | 7  | 1   | 10      |
| NG-742      | 5   | 2   | 3   | 5  | 7  | 1   | 10      |



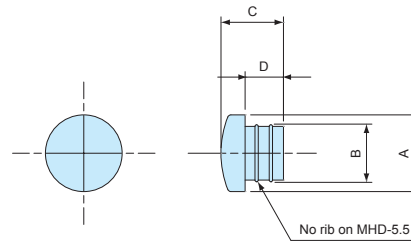
**MHD SERIES**

**SMALL HOLE PLUG**



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

- Small hole plug for  $\Phi 5.0$ ,  $\Phi 5.5$ ,  $\Phi 7.0$ , and  $\Phi 8.0$  sized holes.
- Made from TPE (Elastomer) and silicone material.
- Applicable panel installation thickness between 1.0mm ~ 3.0mm.



**Product no. / Dimensions**

| Product no. | Material | Color | Mounting hole | A  | B   | C   | D   | Pack of |
|-------------|----------|-------|---------------|----|-----|-----|-----|---------|
| MHD-5       | TPE      | Black | $\Phi 5$      | 7  | 5.2 | 5.7 | 3.5 | 10      |
| MHD-5.5     | Silicone | Black | $\Phi 5.5$    | 7  | 5.6 | 5   | 3   | 10      |
| MHD-7       | TPE      | Black | $\Phi 7$      | 9  | 7.2 | 5.7 | 3.5 | 10      |
| MHD-8       | TPE      | Black | $\Phi 8$      | 10 | 8.2 | 5.7 | 3.5 | 10      |

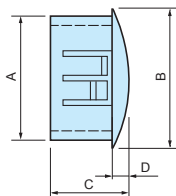
**HPL SERIES**

**HOLE PLUG**



- Hole plug for the unused holes.

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



**Product no. / Dimensions**

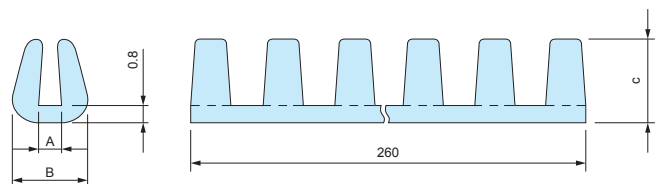
■ Material / Color : PA66 UL94V-2 / Black

| Product no. | A    | B    | C    | D   | Mounting hole | Panel thickness | Pack of |
|-------------|------|------|------|-----|---------------|-----------------|---------|
| HPL- 8      | 7.6  | 10.4 | 8.1  | 1.6 | $\Phi 8$      | 1.5/1.6         | 10      |
| HPL-10      | 9.5  | 13   | 10.5 | 1.6 | $\Phi 9.5$    | 1.0/2.0/2.5     | 10      |
| HPL-13      | 12.5 | 16.7 | 10.9 | 1.6 | $\Phi 12.5$   | 1.0/1.5/2.0/3.0 | 10      |
| HPL-16      | 15.8 | 19.8 | 10   | 1.1 | $\Phi 16$     | 1.0/1.2/3.0     | 10      |
| HPL-19      | 18.9 | 23.2 | 10   | 1.4 | $\Phi 19$     | 1.0/1.2         | 10      |
| HPL-22      | 22   | 26   | 11.3 | 1.6 | $\Phi 22$     | 1.0/1.2/2.0     | 10      |
| HPL-25      | 25.4 | 29.1 | 12.3 | 2.4 | $\Phi 25.5$   | 1.0/1.2/2.0     | 10      |
| HPL-30      | 30   | 35   | 12   | 1.6 | $\Phi 30$     | 1.0/1.2/2.0     | 10      |

■ Confirm first for usability on panel thickness not listed in the above chart.

**JKG SERIES**

**HOLE EDGE PROTECTOR**



- Install protector on the cut edge of the hole on the panel to protect cables and components from damage.
- Cut into suitable lengths to fit the hole.

**Product no. / Dimensions**

■ Material / Color : PA66 UL94V-2 / Natural

| Product no. | A   | B   | C   | Panel thickness | Pack of |
|-------------|-----|-----|-----|-----------------|---------|
| JKG006N     | 0.6 | 3.1 | 3.8 | 0.5 ~ 0.7       | 10      |
| JKG008N     | 0.8 | 3.1 | 3.8 | 0.7 ~ 0.9       | 10      |
| JKG010N     | 1   | 3.3 | 3.8 | 0.9 ~ 1.1       | 10      |
| JKG012N     | 1.2 | 3.5 | 3.8 | 1.1 ~ 1.3       | 10      |
| JKG014N     | 1.4 | 3.7 | 3.8 | 1.3 ~ 1.5       | 10      |
| JKG016N     | 1.6 | 3.9 | 3.8 | 1.4 ~ 1.7       | 10      |
| JKG020N     | 2   | 4.3 | 3.8 | 1.8 ~ 2.0       | 10      |
| JKG030N     | 3   | 6.2 | 4.8 | 2.5 ~ 3.0       | 10      |

**HF SERIES**

**COOLING FAN**

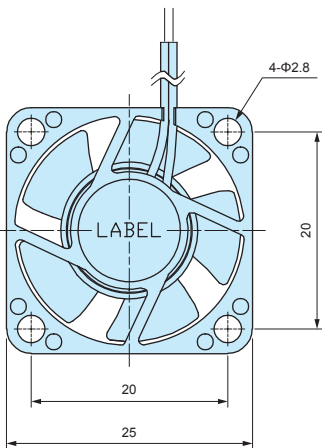


Heat Resistant



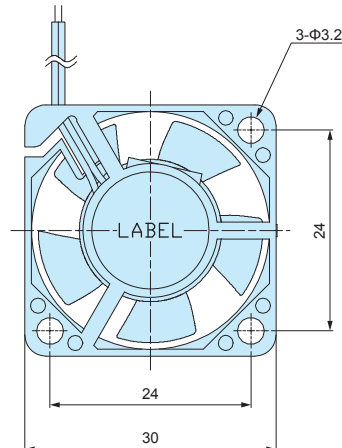
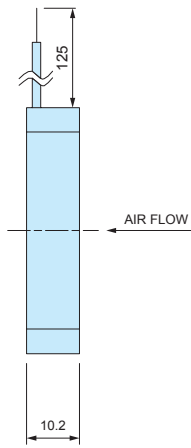
**HF2510AL-05**

Lead wire UL3302HF AWG28



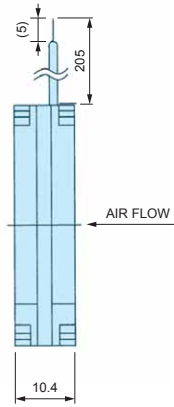
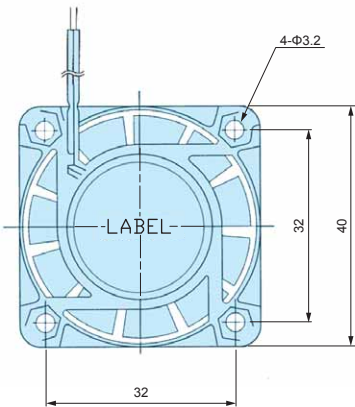
**HF0312ES-12**

Lead wire UL1685LF AWG28



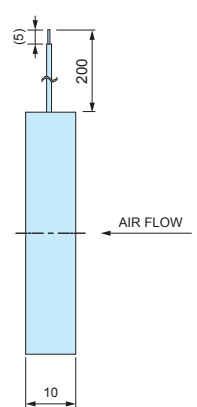
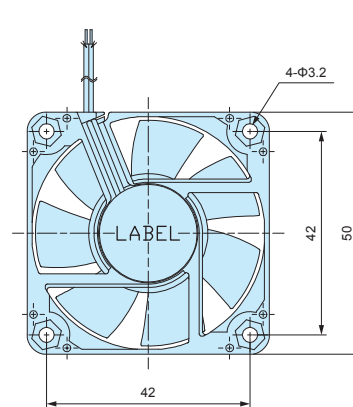
**HF0410N-12**

Lead wire UL1007 AWG26



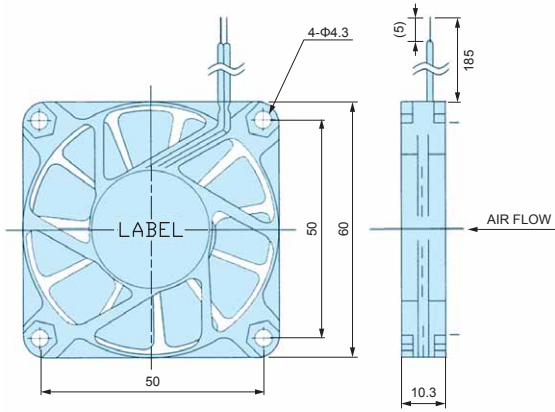
**HF0510ET-12**

Lead wire UL1685LF AWG28



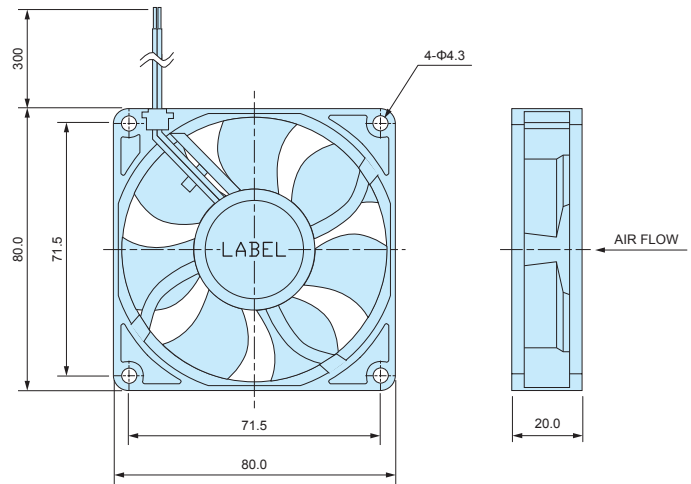
### HF0610-12

Lead wire UL1007 AWG26



### HF0820SA-12

Lead wire UL3385 AWG26



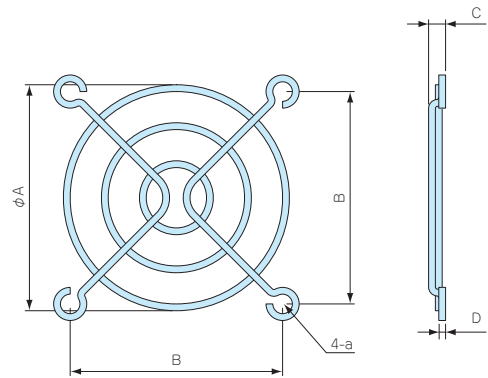
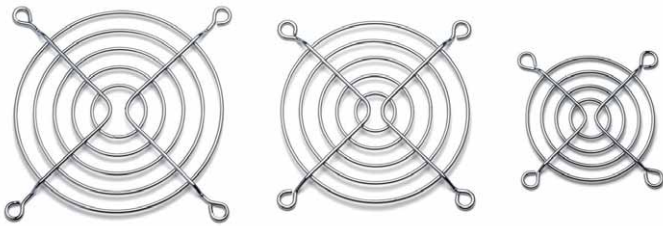
#### Product no. / Dimensions

| Product no. | Outer dimensions (mm) | Rated voltage (V) | Voltage range (V) | Rated current (A) | Rated input (W) | Max airflow (m3/min) | Max static pressure (pa) | Rotation speed (min-1) | Operating temperature | Life expectancy (H) |
|-------------|-----------------------|-------------------|-------------------|-------------------|-----------------|----------------------|--------------------------|------------------------|-----------------------|---------------------|
| HF2510AL-05 | 25.0 x 25.0 x 10.2    | DC 5              | 4.5 ~ 5.5         | 0.15              | 0.75            | 0.048                | 18                       | 8,000                  | -10 ~ +100°C          | 50,000              |
| HF0312ES-12 | 30.0 x 30.0 x 10.2    | DC12              | 10.2 ~ 13.8       | 0.15              | 1.8             | 0.1                  | 36                       | 7,500                  | -10 ~ +100°C          | 50,000              |
| HF0410N-12  | 40.0 x 40.0 x 10.4    | DC12              | 10.2 ~ 13.8       | 0.09              | 1.08            | 0.12                 | 31.4                     | 5,100                  | -5 ~ +60°C            | 50,000              |
| HF0510ET-12 | 50.0 x 50.0 x 10.0    | DC12              | 10.2 ~ 13.8       | 0.25              | 3               | 0.33                 | 33                       | 5,600                  | -10 ~ +100°C          | 50,000              |
| HF0610-12   | 60.0 x 60.0 x 10.3    | DC12              | 10.2 ~ 13.8       | 0.1               | 1.2             | 0.33                 | 16.7                     | 3,300                  | -5 ~ +60°C            | 50,000              |
| HF0820SA-12 | 80.0 x 80.0 x 20.0    | DC12              | 6.0 ~ 13.2        | 0.13              | 1.56            | 1.13                 | 52.8                     | 3,700                  | -10 ~ +70°C           | 40,000              |

■ Life expectancy is measured under normal operational conditions.

## HF-G SERIES

## FINGER GUARD



■ Material : Steel wire

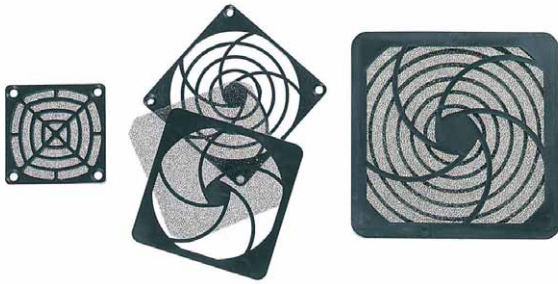
■ Shape vary by model.

#### Product no. / Dimensions

| Product no. | A     | B     | C   | D   | a         | Finish        |
|-------------|-------|-------|-----|-----|-----------|---------------|
| HF-G 30     | 26    | 24    | 4.5 | 1.4 | M3        | Chrome plated |
| HF-G 40     | 28.5  | 32    | 5   | 1.6 | M3 and M4 | Nickel plated |
| HF-G 50     | 41    | 42    | 5   | 1.6 | M3 and M4 | Nickel plated |
| HF-G 60     | 53    | 50    | 4.5 | 1.6 | M4        | Nickel plated |
| HF-G 80     | 76.5  | 71.5  | 5.5 | 1.8 | M4        | Nickel plated |
| HF-G 90     | 85.5  | 82.5  | 5   | 1.8 | M4        | Nickel plated |
| HF-G120     | 115.5 | 104.8 | 6   | 1.8 | M4        | Nickel plated |

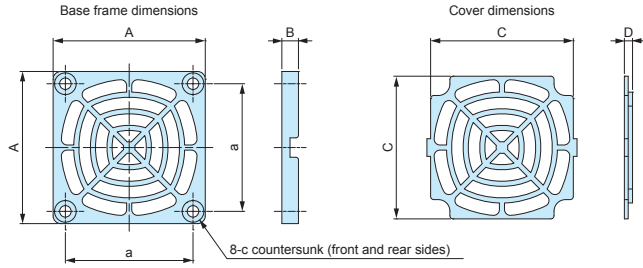
HF-P SERIES

FILTER FRAME

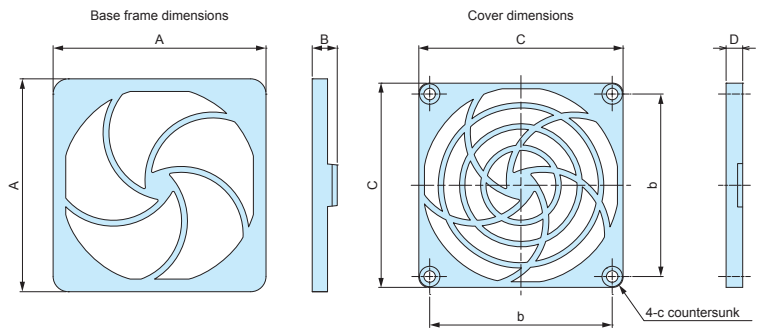


DXF/DWG/PDF drawings available on our website.

HF-P40 • HF-P60  
※Drawings for HF-P60 model



HF-P80 • HF-P90 • HF-P120  
※Drawings for HF-P80 model.



Components

| No. | Part name  | Material          | Color |
|-----|------------|-------------------|-------|
| 1   | Base frame | ABS UL94V-0       | Black |
| 2   | Cover      | ABS UL94V-0       | Black |
| 3   | Filter     | Polyurethane foam | Gray  |

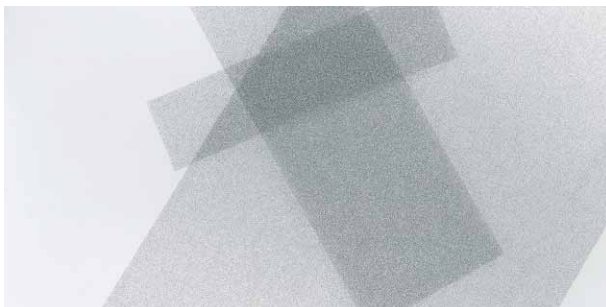
Product no. / Dimensions

Shape vary by model.

| Product no. | A     | B    | C     | D   | a  | b     | c  |
|-------------|-------|------|-------|-----|----|-------|----|
| HF-P 40     | 40    | 6.3  | 37    | 3.2 | 32 | -     | M3 |
| HF-P 60     | 59.6  | 6.5  | 55.9  | 3.2 | 50 | -     | M4 |
| HF-P 80     | 83.4  | 9.8  | 80    | 6.5 | -  | 71.5  | M4 |
| HF-P 90     | 96.2  | 9.7  | 92    | 6.3 | -  | 82.5  | M4 |
| HF-P120     | 123.7 | 10.8 | 117.2 | 7.3 | -  | 104.8 | M4 |

HR SERIES

FILTER



Product no. / Dimensions

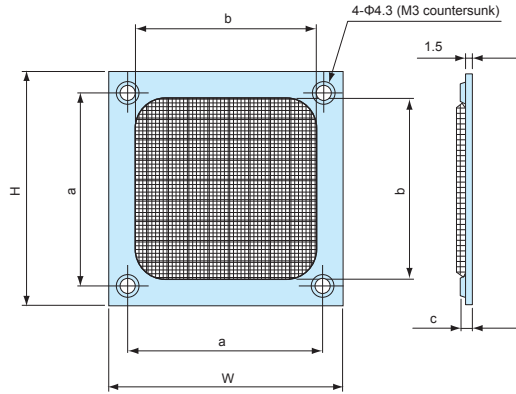
| Product no. | W   | H   | t |
|-------------|-----|-----|---|
| HR0520      | 200 | 50  | 3 |
| HR1030      | 300 | 100 | 3 |
| HR2550      | 500 | 250 | 3 |

Material / Color : Polyurethane foam / Gray

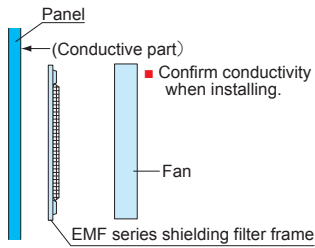
- Replacement filter for HF-P filter frame.
- Can also be used as a dustproof filter over vent holes.

**EMF SERIES**

**EMC SHIELDED FILTER FRAME**



■ Use for EMC shielding on the hole for cooling fan.



**Components**

| Frame material         | Filter material | Mesh |
|------------------------|-----------------|------|
| Aluminium / Unfinished | Stainless steel | 30   |

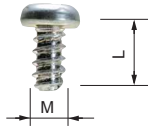
■ Mesh 30 = 30 openings in a 1 square inch area (25.4 x 25.4mm).

**Product no. / Dimensions**

| Product no. | W    | H    | a     | b     | c   | Matching fan size (mm) |
|-------------|------|------|-------|-------|-----|------------------------|
| EMF- 60     | 59.5 | 59.5 | 50    | 46    | 3.5 | 60.0 x 60.0            |
| EMF- 80     | 83.8 | 83.8 | 71.5  | 68.8  | 4   | 80.0 x 80.0            |
| EMF- 90     | 92   | 92   | 82.5  | 78    | 3.5 | 92.0 x 92.0            |
| EMF-120     | 119  | 119  | 104.8 | 104.5 | 3.7 | 120.0 x 120.0          |

EM SERIES

PCB MOUNTING SCREW



- Self-tapping screws for mounting PCB on bosses or standoffs.
- EM-3-6 self-tapping screws are suitable for mounting 1.6mm or thicker PCB.

Product no. / Dimensions

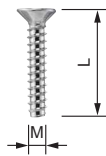
| Product no.         | M   | L | Material | Finish             | Suitable enclosures   | Pack of |
|---------------------|-----|---|----------|--------------------|---|---------|
| EM-1.6              | 1.6 | 4 | Steel    | Trivalent chromate | WC • CSS • CS • PS (M1.6 size)  | 50      |
| EM-2                | 2   | 5 | Steel    | Trivalent chromate | PS • TW • TWN • TWF • WP (M2 size)  | 50      |
| EM-2.3              | 2.3 | 6 | Steel    | Trivalent chromate | WH • LC • LCT • LCS • LCE • PFE<br>WSC (Top cover bosses)<br>PF • PFF (M2.3 size)<br>TW • TWN • TWF (M2.3 size)<br>WP (M2.3 size) | 50      |
| <b>NEW</b> EM-2.3-8 | 2.3 | 8 | Steel    | Trivalent chromate | WSC (Bottom base bosses)  | 50      |
| EM-2.6              | 2.6 | 6 | Steel    | Trivalent chromate | PF • PFF • WP (M2.6 size)   | 50      |
| EM-3                | 3   | 5 | Steel    | Trivalent chromate | SU<br>TWS • TW • TWN • TWF (M3 sizes)   | 50      |
| EM-3-6              | 3   | 6 | Steel    | Trivalent chromate |   | 50      |

MR SERIES

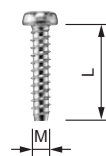
TORX SCREW



Countersunk head



Pan head



With pin



★ Without pin



★ : MR1.6-6S, MR-2S, MR2.6-10□, and MR3-14□ are without pin.

Product no. / Dimensions

★Mark = Without pin

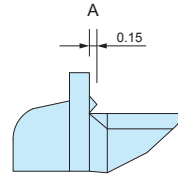
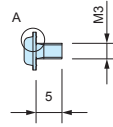
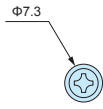
| Product no. | M   | L  | head no. | Head style  | Material | Finish                   | Suitable enclosures   | Pack of |
|-------------|-----|----|----------|-------------|----------|--------------------------|---|---------|
| MR1.6-6S★   | 1.6 | 6  | T3       | Pan         | Steel    | Nickel plated            | CS • CSS  | 20      |
| MR2.5-8PS   | 2.5 | 8  | T8       | Pan         | Steel    | Nickel plated            | PF • PFE • PFF (M2.5 size)  | 20      |
| MR2.6-10S★  | 2.6 | 10 | T8       | Countersunk | Steel    | Nickel plated            | TW • TWN (M2.6 models)<br>TWF (M2.6 models)   | 20      |
| MR2.6-10B★  | 2.6 | 10 | T8       | Countersunk | Steel    | Black trivalent chromate | MX • MXA • MXB • MXF (M2.6 models)  | 20      |
| MR2.6-12PS  | 2.6 | 12 | T8       | Pan         | Steel    | Nickel plated            | LCT • LCS • LC115-F2 / F3<br>LCT • LCS • LC145S-F6  | 20      |
| MR2.6-14PS  | 2.6 | 14 | T8       | Pan         | Steel    | Nickel plated            | LCT • LCS • LC115H-F2 / F3 / M2 / 9V<br>LCT • LCS • LC135-F4 / M2 / M3 / 9V<br>LCT • LCS • LC135H-F4 / M2 / M3 / 9V<br>LCT • LCS • LC145-F6 / M2 / M4<br>LCT • LCS • LC145H-F6 / M2 / M4<br>LCT • LCS • LC165-M4<br>LCT • LCS • LC165H-M4   | 20      |
| MR2.6-14S   | 2.6 | 14 | T8       | Countersunk | Steel    | Nickel plated            | LCT • LCS • LC115-N / F2 / F3<br>LCT • LCS • LC145S-F6 / 145S-N<br>LCE115-N<br>TW • TWN7-2-11 / 7-4-11 / 7-5-11<br>TWF7-2-11 / 7-4-11 / 7-5-11 / 8-2-8 / 8-4-8  | 20      |
| MR2.6-18S   | 2.6 | 18 | T8       | Countersunk | Steel    | Nickel plated            | LCT • LCS • LC115H-N / F2 / F3 / M2 / 9V<br>LCT • LCS • LC135-N / F4 / M2 / M3 / 9V<br>LCT • LCS • LC135H-N / F4 / M2 / M3 / 9V<br>LCT • LCS • LC145-N / F6 / M2 / M4<br>LCT • LCS • LC145H-N / F6 / M2 / M4<br>LCT • LCS • LC165-N / M4<br>LCT • LCS • LC165H-N / M4<br>LCE115H-N • LCE135-N • LCE145H-N • LCE165H-N | 20      |
| MR3-8PS     | 3   | 8  | T10      | Pan         | Steel    | Nickel plated            | PF • PFE • PFF (M3 size)  | 20      |
| MR3-14S★    | 3   | 14 | T10      | Countersunk | Steel    | Nickel plated            | TW • TWN (M3 models)<br>TWF (M3 models)   | 20      |
| MR3-14B★    | 3   | 14 | T10      | Countersunk | Steel    | Black trivalent chromate | MX • MXA • MXB • MXF (M3 models)  | 20      |
| MR-2S★      | 3   | 10 | T10      | Countersunk | Steel    | Nickel plated            | HEN   | 20      |

**EV3-5S**

**CONDUCTIVE SCREW**



Conductive



- When tightened, protrusions on the underside of the screw head will shave away at painted or anodized surface to expose the base material for achieving conductivity.

**Product no. / Dimensions**

| Product no. | M | L | Material | Finish        | Pack of |
|-------------|---|---|----------|---------------|---------|
| EV3-5S      | 3 | 5 | Steel    | Nickel plated | 20      |

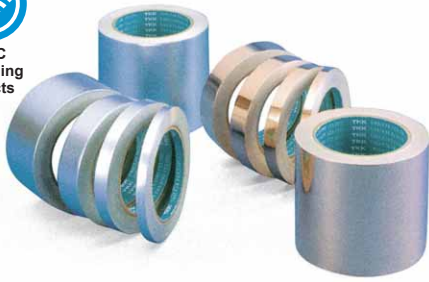


**CUS,CUL,ALS,ALL SERIES**

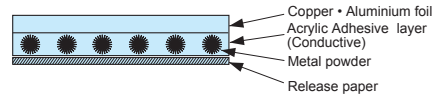
**CONDUCTIVE COPPER • ALUMINIUM FOIL TAPE**



EMC  
Shielding  
Effects



■ **Construction**



■ **Characteristic**

| Contents                                       | Copper | Aluminium |
|--|--------|-----------|
| Foil thickness (µm)                            | 35     | 50        |
| Adhesive layer thickness (µm)                  | 60     | 60        |
| Overall thickness (µm)                         | 95     | 110       |
| Adhesive force (gf/25mm) 180° peel test on SUS | 1300   | 1300      |
| Contact resistance value (Ω/25mm/2kgf)         | 0.003  | 0.005     |

- Flexible copper and aluminium tape.
- Conductive adhesive layer maintains conductivity.
- Copper tape can be soldered onto a metal foil.
- Copper and aluminium tape are UL510 (FR) certified products.

**Usage**

- Grounding and shielding for enclosures.
- Grounding and shielding for cable harnesses or connectors.
- EMI shielded room.
- Can be used for measuring shield characteristics in an emergency situation.

**COPPER FOIL TAPE**

**Product no. / Dimensions**

| Product no. | Width | Length |
|-------------|-------|--------|
| CUS- 8T     | 8.0   | 2m     |
| CUS-13T     | 13.0  | 2m     |
| CUS-25T     | 25.0  | 2m     |
| CUL- 8T     | 8.0   | 20m    |
| CUL-13T     | 13.0  | 20m    |
| CUL-25T     | 25.0  | 20m    |
| CUL-50T     | 50.0  | 20m    |

**ALUMINIUM FOIL TAPE**

**Product no. / Dimensions**

| Product no. | Width | Length |
|-------------|-------|--------|
| ALS- 8T     | 8.0   | 2m     |
| ALS-13T     | 13.0  | 2m     |
| ALS-25T     | 25.0  | 2m     |
| ALL- 8T     | 8.0   | 20m    |
| ALL-13T     | 13.0  | 20m    |
| ALL-25T     | 25.0  | 20m    |
| ALL-50T     | 50.0  | 20m    |