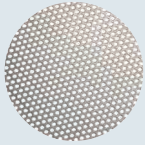



Perforated Metals

Standard / Framed Circular

Perforated Metals – Standard Circular



Perforated Metals – Framed Circular



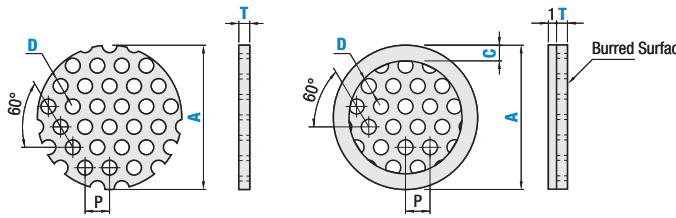
| Type | | Material | Surface Treatment |
|----------|--------|---------------------|-------------------|
| Standard | Framed | | |
| PMC | PMCF | Low Carbon Steel | Nickel Plating |
| PMCU | PMCUF | 304 Stainless Steel | — |

PMCF / PMCUF

- Frame of the same material is spot-welded to Standard Type (PMC / PMCU).
- PMCUF is passivated after spot welding.
- Hole positions on frames cannot be specified.

PMC / PMCU

Punched holes and material edges are in an arbitrary relationship.



| Part Number | | 1mm Increment A | T | | C | P | Perforated Rate % |
|-------------------------|-------------------------|--|------------|--------------|-------------|----------|-------------------|
| Type | D | | PMC / PMCF | PMCU / PMCUF | | | |
| Standard PMC PMCU | Framed PMCF PMCUF | Standard Type 30-300 Framed Type 50-300 | 1 | 0.5 0.8 | 0.5 0.8 | 10 15 20 | 22.6 |
| | | | 2 | 0.5 0.8 1.0 | 1.0 | | |
| | | | 3 | | | | |
| | | | 4 | 1.0 1.2 1.6 | 1.0 1.2 1.5 | | |
| | | | 5 | | | | |

Part Number Example

Part Number - A - T - C

PMC4 - 280 - 1.0

PMCF4 - 200 - 1.2 - 10


Part Number Alterations

Part Number - A - T - C - (XC / XAC / XWC / DRC / NC / NAC / NWC)

PMC1 - 100 - 0.8 - XC9 - Q60

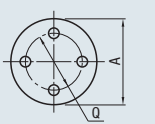
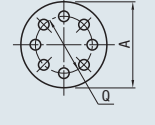
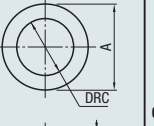
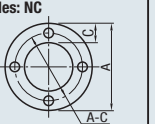
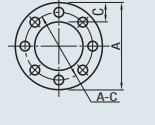
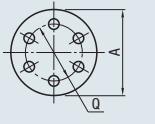
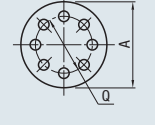
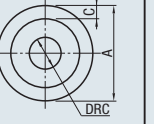
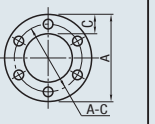
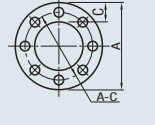
PMCF4 - 200 - 1.2 - 10 - NC4.5

Application Example



As a vent cover


Alteration XC, XAC and XWC are applicable to sizes D₁ and D₂ only.

| Alterations | 4, 6 Mounting Holes | 8 Mounting Holes | Drill Hole | 4, 6 Mounting Holes | 8 Mounting Holes | | | | | | | | | | | | | |
|--------------|--|---|---|---|---|-----|---|---|---|--|---|---|----|---------|----|---------------|----|---------------|
| | 4 Mounting Holes: XC | 6 Mounting Holes: XAC | Standard Type | 4 Mounting Holes: NC | 6 Mounting Holes: NAC | | | | | | | | | | | | | |
| |  |  |  |  |  | | | | | | | | | | | | | |
| |  |  |  |  |  | | | | | | | | | | | | | |
| Code | XC / XAC | | DRC | NC / NAC | | | | | | | | | | | | | | |
| Spec. | <p>XC, XAC=Hole Dia. Selectable Q=1 mm Increment Ordering Code: XC4.5-Q30, XAC5.5-Q50</p> <p>Hole Dia. Selection Table</p> <table border="1"> <tr><th>XC</th><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td></tr> </table> <ul style="list-style-type: none"> XC+10≤Q≤A-XC-6 XAC+20≤Q≤A-XAC-6 Applicable to standard type only. XC hole diameter 9 is applicable to A≥50. XAC is applicable to A≥50. | | XC | 4.5 | 5.5 | 6.5 | 9 | <p>*Adds a drill hole in the center. DRC=1 mm Increment Ordering Code: DRC40</p> <p>Standard Type</p> <ul style="list-style-type: none"> 20≤DRC≤A-30 Combination use of XC, XAC, XWC is not possible. <p>Framed Type</p> <ul style="list-style-type: none"> 20≤DRC≤A-2C-30 Applicable when A≥50 | <p>NC, NAC=Hole Dia. Selection Ordering Code: NC4.5, NAC6.5</p> <p>Hole Dia. Selection Table</p> <table border="1"> <tr><th>C</th><th>d</th></tr> <tr><td>10</td><td>4.5 5.5</td></tr> <tr><td>15</td><td>4.5 5.5 6.5 9</td></tr> <tr><td>20</td><td>4.5 5.5 6.5 9</td></tr> </table> <ul style="list-style-type: none"> Applicable to framed type only. | | C | d | 10 | 4.5 5.5 | 15 | 4.5 5.5 6.5 9 | 20 | 4.5 5.5 6.5 9 |
| XC | 4.5 | 5.5 | 6.5 | 9 | | | | | | | | | | | | | | |
| C | d | | | | | | | | | | | | | | | | | |
| 10 | 4.5 5.5 | | | | | | | | | | | | | | | | | |
| 15 | 4.5 5.5 6.5 9 | | | | | | | | | | | | | | | | | |
| 20 | 4.5 5.5 6.5 9 | | | | | | | | | | | | | | | | | |

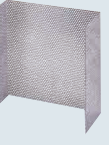
Perforated Metals

L-Shaped / U-Shaped

Perforated Metals – L-Shaped



Perforated Metals – U-Shaped

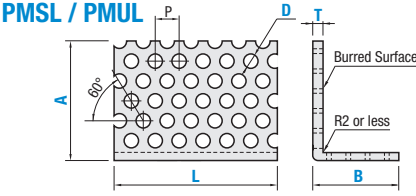


| Type | | Material | Surface Treatment |
|----------|----------|---------------------|-------------------|
| L-Shaped | U-Shaped | | |
| PMSL | PMSU | Low Carbon Steel | Nickel Plating |
| PMUL | PMUU | 304 Stainless Steel | — |

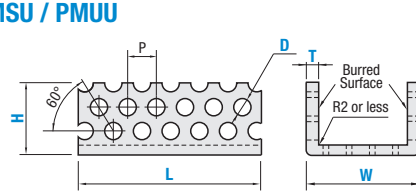
Hole positions on cut surface cannot be specified (The curved section doesn't always have holes).

| T | A / B Tol. | W Tol. | H Tol. |
|-----|------------|--------|--------|
| 0.5 | ±0.5 | ±1.0 | ±0.5 |
| 0.8 | ±0.8 | ±1.6 | ±0.8 |
| 1.0 | ±1.0 | ±2.0 | ±1.0 |

PMSL / PMUL



PMSU / PMUU



L-Shaped

| Part Number | | 1mm Increment | | | T | | p | Perforated Rate % |
|--------------|---|---------------|--------|--------|-------------|---------|---|-------------------|
| Type | D | A | B | L | PMSL | PMUL | | |
| PMSL PMUL | 1 | 30-200 | 30-200 | 30-300 | 0.5 0.8 | 0.5 0.8 | 2 | 22.6 |
| | 2 | | | | 0.5 0.8 1.0 | 1.0 | | |

U-Shaped

| Part Number | | 1mm Increment | | | T | | p | Perforated Rate % |
|--------------|---|---------------|-------------------|--------|-------------|---------|---|-------------------|
| Type | D | W | H | L | PMSU | PMUU | | |
| PMSU PMUU | 1 | 60-200 | 30-100 (H≤W/2) | 30-300 | 0.5 0.8 | 0.5 0.8 | 2 | 22.6 |
| | 2 | | | | 0.5 0.8 1.0 | 1.0 | | |

Part Number Example

Part Number - A - B - L - T

PMUL2 - 100 - 50 - 200 - 1.0

Part Number - W - H - L - T

PMSU1 - 120 - 60 - 200 - 0.8

Part Number Alterations

L-Shaped Type

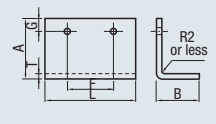
Part Number - A - B - L - T - (XC / XWC / XTC)

PMSL1 - 100 - 70 - 200 - 0.8 - XC4.5 - F45 - G15

U-Shaped Type

Part Number - A - B - L - T - (XWC / XTC)

PMSU2 - 120 - 60 - 85 - 1.0 - XWC4.5 - F25 - G10

| Alterations | 2 Mounting Holes | 4 Mounting Holes | | 6 Mounting Holes | | | | | | | | | | | | | | | | |
|--------------|---|------------------|---------------|------------------|---------------|---|--|--|-----|-----|-----|-----|---|---|--|------|-----|-----|-----|---|
| |  | L-Shaped Type | U-Shaped Type | L-Shaped Type | U-Shaped Type | | | | | | | | | | | | | | | |
| Code | XC | XWC | | XTC | | | | | | | | | | | | | | | | |
| Spec. | <p>*Adds two mounting holes. XC=Hole Dia. Selection F, G=1 mm Increment Ordering Code: XC4.5-F45-G15</p> <p>Hole Dia. Selection Table</p> <table border="1"> <tr><th>XC</th><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td></tr> </table> <ul style="list-style-type: none"> XC+6≤F≤L-XC-6 XC/2+3≤G≤(A-T)-XC/2-6 Applicable to L-shape type only. | XC | 4.5 | 5.5 | 6.5 | 9 | <p>*Adds 4 mounting holes. XWC=Hole Dia. Selection F, G=1 mm Increment Ordering Code: XWC4.5-F55-G12</p> <p>Hole Dia. Selection Table</p> <table border="1"> <tr><th>XWC</th><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td></tr> </table> <ul style="list-style-type: none"> XWC+6≤F≤L-XWC-6 L-Shaped Type XWC+3≤G≤(A(B)-T)-XWC/2-6 U-Shaped Type XWC/2+3≤G≤(H-T)-XWC/2-6 | | XWC | 4.5 | 5.5 | 6.5 | 9 | <p>*Adds 6 mounting holes. XTC=Hole Dia. Selection F, G=1 mm Increment Ordering Code: XTC5.5-F25-G15</p> <p>Hole Dia. Selection Table</p> <table border="1"> <tr><th>XTCa</th><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td></tr> </table> <ul style="list-style-type: none"> XTC+6≤F≤L/2-XTC/2-3 L-Shaped Type XTC+3≤G≤(A(B)-T)-XTC/2-6 U-Shaped Type XTC/2+3≤G≤(H-T)-XTC/2-6 | | XTCa | 4.5 | 5.5 | 6.5 | 9 |
| XC | 4.5 | 5.5 | 6.5 | 9 | | | | | | | | | | | | | | | | |
| XWC | 4.5 | 5.5 | 6.5 | 9 | | | | | | | | | | | | | | | | |
| XTCa | 4.5 | 5.5 | 6.5 | 9 | | | | | | | | | | | | | | | | |

The holes of (1) and (2) might not be in the same position since the folding operation is performed after hole machining.