
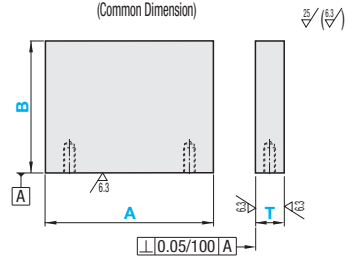


6 Surface Milled Mounting Plates, Brackets

Side Hole Type



| Part Number | | Material | Surface Treatment | |
|----------------------------------|-----------------|----------|-------------------|----------------------------|
| Type | Material Symbol | | Material | Treatment |
| VFMQA VFMQA VFMQA VFMQA | SC | S45C | - | Black Oxide |
| | SCB | | - | Black Oxide |
| | SCM | | - | Electroless Nickel Plating |
| | AM | | - | - |
| VFMCC VFMCA | AMW | A5052 | - | Anodize (Clear) |
| | AMB | | - | Anodize (Black) |
| | SU | | SUS304 | - |

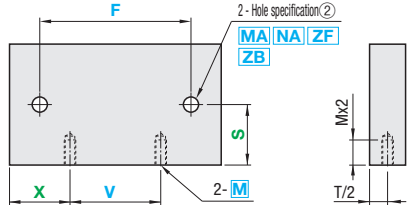


(Common Dimension) $\sqrt{R1.5}$

$\perp 0.05/100 A$

① C0.2 to C0.5, unless otherwise specified.

VFMQA



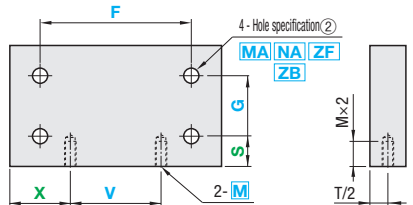
2-Hole specification ②

MA|NA|ZF|ZB

2-M

(Hole Machining)

VFMQA



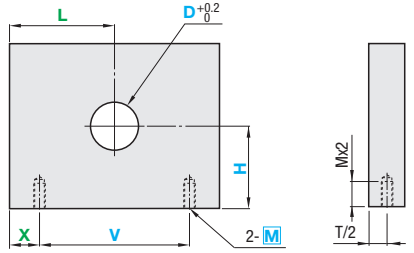
4-Hole specification ②

MA|NA|ZF|ZB

2-M

(Hole Machining)

VFMCC



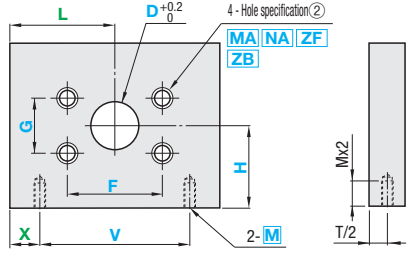
D+0.2

H

2-M

(Hole Machining)

VFMCA



4-Hole specification ②

MA|NA|ZF|ZB

2-M

(Hole Machining)

① Green colored parameters can be omitted. If the parameter setting is omitted, the holes will be evenly distributed about the center. For details, see P.1834.

| Part Number Type | Material Symbol | 0.1mm Increment | | | X | V | Hole Specification ① | | L | H | D | F | S | G | Hole Specification ② | |
|------------------|------------------|-----------------|-------|------|-----------------|---|----------------------|--------------|-----------------|-----------------------------|-----------------|---|-----------|----------------------|----------------------|--------------|
| | | A | B | T | | | Code | Nominal Dia. | | | | | | | Code | Nominal Dia. |
| VFMQA VFMQA | SC SCB SCM | 30.0 | 10.0 | 5.0 | 0.1mm Increment | M | 0 | (No Hole) | 0.1mm Increment | 3~30 (0.5mm Increment) | 0.1mm Increment | 0 | (No Hole) | NA MA ZF ZB | 0 | (No Hole) |
| | | 150.0 | 150.0 | 20.0 | | | | | | | | | | | | |
| VFMCC VFMCA | AM AMW AMB SU | 150.0 | 30.0 | 10.0 | 0.1mm Increment | M | 0 | (No Hole) | 0.1mm Increment | 31~100 (0.1mm Increment) | 0.1mm Increment | 0 | (No Hole) | NA MA ZF ZB | 0 | (No Hole) |
| | | 150.0 | 30.0 | 20.0 | | | | | | | | | | | | |

For the machining dimensions, see Hole Type Selection Chart, Hole Type Selection Chart.

Ordering Example

Part Number: Type - Material Symbol - A - B - T - X - V - Hole Specification ① Code, Nominal Value - L - H - D - F - S - G - Hole Specification ② Code, Nominal Value

VFMQA - AM - A50 - B30 - T5 - X10 - V30 - M4 - L40 - H45 - D15 - F40 - S20 - MA4

VFMCC - SC - A80 - B60 - T10 - X10 - V60 - M4 - L40 - H45 - D15

Hole Type Selection Chart

| Hole Type | Tapped Holes | Bolt Hole | Counterbore Front | Counterbore Back | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|-----------|---|------------------|------------|----|----|----|---|---|----|----|----|------|-----|-----|-----|-----|---|----|----|----|----|-----|---|-----|----|----|----|----|----|
| Code | M, MA | NA | ZF | ZB | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shape Diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Machining Specifications | Effective Tap Length Max. M, MAx2 ① When T=M, MAx2, tap pilot might not go through. | | Screw Nominal Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <thead> <tr> <th>Dimensions</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</th> <th>10</th> <th>12</th> <th>16</th> </tr> </thead> <tbody> <tr> <td>d, h</td> <td>3.5</td> <td>4.5</td> <td>5.5</td> <td>6.5</td> <td>9</td> <td>11</td> <td>14</td> <td>18</td> </tr> <tr> <td>d1</td> <td>6.5</td> <td>8</td> <td>9.5</td> <td>11</td> <td>14</td> <td>18</td> <td>20</td> <td>26</td> </tr> </tbody> </table> | | Dimensions | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 | d, h | 3.5 | 4.5 | 5.5 | 6.5 | 9 | 11 | 14 | 18 | d1 | 6.5 | 8 | 9.5 | 11 | 14 | 18 | 20 | 26 |
| Dimensions | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| d, h | 3.5 | 4.5 | 5.5 | 6.5 | 9 | 11 | 14 | 18 | | | | | | | | | | | | | | | | | | | | | | | |
| d1 | 6.5 | 8 | 9.5 | 11 | 14 | 18 | 20 | 26 | | | | | | | | | | | | | | | | | | | | | | | |

Min. Thickness per Taps on Side

| M Nominal | Min. Thickness T |
|-----------|------------------|
| 3 | 5 |
| 4 | 5.6 |
| 5 | 6.6 |
| 6 | 8 |
| 8 | 10 |
| 10 | 12 |

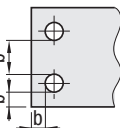
Machining Specifications

① Even if the holes and side taps interfere, they will be machined as specified. However, there may be some remaining burrs if interference exists.

Machining Limits

There are machining limits for thickness between holes, and between hole and edge. (Ex.: "b" on the right diagram)

For limit values, see P.1833.



| A | B | T | Body Price Unit Price | | | | | | | | | | | | | | |
|-------|-------|-----------|-----------------------|-----|-----|-------|-----|-----|-------|----|-----|-------|----|-----|-----|----|--|
| | | | VFMQA | | | VFMQA | | | VFMQA | | | VFMQA | | | | | |
| | | | SC | SCB | SCM | AM | AMW | AMB | SU | SC | SCB | SCM | AM | AMW | AMB | SU | |
| 30.0 | 10.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | 50.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| 50.1 | 10.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | 100.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| 100.1 | 10.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | 150.0 | 5.0~7.0 | | | | | | | | | | | | | | | |
| | | 7.1~10.0 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |

| A | B | T | Body Price Unit Price | | | | | | | | | | | | | | |
|-------|-------|-----------|-----------------------|-----|-----|-------|-----|-----|-------|----|-----|-------|----|-----|-----|----|--|
| | | | VFMCC | | | VFMCA | | | VFMCA | | | VFMCA | | | | | |
| | | | SC | SCB | SCM | AM | AMW | AMB | SU | SC | SCB | SCM | AM | AMW | AMB | SU | |
| 30.0 | 10.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |
| | 50.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |
| 50.1 | 10.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |
| | 100.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |
| 100.1 | 10.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |
| | 150.0 | 10 | | | | | | | | | | | | | | | |
| | | 10.1~15.0 | | | | | | | | | | | | | | | |
| | | 15.1~20.0 | | | | | | | | | | | | | | | |

Alterations

Part Number: Type - Material Symbol - A - B - T - X - V - Hole Specification ① Code, Nominal Value - L - H - D (DC) - F - S - G - Hole Specification ② Code, Nominal Value (CC)

VFMQA - AM - A50 - B30 - T5 - X10 - V30 - M4 - L40 - H45 - D15 - F40 - S20 - MA4 - CC10

| Alterations | Corner cut change | Center Hole Change to H7 |
|-------------|--|---|
| Code | CC | DC |
| Spec. | Changes corner cuts. CC = 1mm Increment ① ≤ CC ≤ 20 (Ordering Code) Add CC at the end of the Part Number designation. (Ex.) --CC10 | Center hole D is changed to a precision hole (H7). DC = 0.1mm Increment ① 3 ≤ DC ≤ 100 ② Applicable to VFMCC, VFMCA only. (Ordering Code) Specify by replacing dim. D with DC. (Ex.) --DC30 |