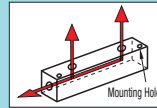


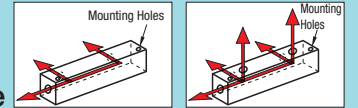
Manifold Blocks - Hydraulic / Pneumatic

Blind Lateral Hole



Manifold Blocks - Hydraulic / Pneumatic

Blind Lateral Hole, Vertical Semi-Through Hole / L-Shaped Hole



For details of recommended tapered male thread tightening torque and through pilot holes, see **P.1224**.
By inserting "G-" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

For details of recommended tapered male thread tightening torque and through pilot holes, see **P.1224**.
By inserting "G-" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

| Usage | Type | | | | | | | | | | Material | Surface Treatment | Max. Operating Pressure | |
|-----------|--------------------|-----------|--------|--------|--------|------------------------|-----------|-----------|--------|--------|----------|-------------------|---|--|
| | Pitch (P) Standard | | | | | Pitch (P) Configurable | | | | | | | | |
| Hydraulic | 25x32 Sq. | 30x35 Sq. | 15 Sq. | 20 Sq. | 30 Sq. | 40 Sq. | 25x32 Sq. | 30x35 Sq. | 20 Sq. | 30 Sq. | 40 Sq. | EN 1.0038 Equiv. | Trivalent Chromate Electroless Nickel Plating | 20.6MPa=210kgf/cm ² or less |
| | BMZS | BMZSM | BMZSR | BMZF | BMZFM | BMZFR | BMZSP | BMZSM | BMZSR | BMZFP | BMZFM | | | |
| Pneumatic | - | | | | | - | - | | | | | EN AW-5052 Equiv. | Clear Anodize | 1MPa=10kgf/cm ² or less |
| | - | | | | | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | | | |

Mounting Hole Dimensions

*Drawing for 4 Circuit Type is selected.
The total number of Q and G threads is 5.
Mounting holes will be through holes for 15 and 20 Sq. Types.

| Usage | Type | | | | Material | Surface Treatment | Max. Operating Pressure |
|-----------|----------------------------|--------|---------------|--------|-------------------|---|--|
| | Vertical Semi-Through Hole | | L-Shaped Hole | | | | |
| Hydraulic | 30x35 Sq. | 40 Sq. | 30x40 Sq. | 50 Sq. | EN 1.0038 Equiv. | Trivalent Chromate Electroless Nickel Plating | 20.6MPa=210kgf/cm ² or less |
| | BMZRS | BMZRF | BMZFR | BMZFR | | | |
| Pneumatic | - | | | | EN AW-5052 Equiv. | - | 1MPa=10kgf/cm ² or less |
| | - | | | | | | |

Mounting Hole Dimensions

*Drawing for 4 Circuit Type is selected.
The total number of Q, R and G threads is 5 for Vertical Semi-Through Hole Type and 9 for the L-Shape Type.

| Part Number Type | Rc (PT), M (Coarse) Selection | Pitch P | Standard | Pitch Configurable 1mm Increment | Number of Pitches N | Total Number of Q and G Threads | Mounting Hole Dimension | | | | | | | | | | | | | | | | |
|-----------------------|-------------------------------|---------|----------|----------------------------------|---------------------|---------------------------------|-------------------------|----|----|----|----|---|-----|-----|-----|---|---|--|--|--|--|--|--|
| | | | | | | | L | A | B | E | F | X | Y | d | D | h | | | | | | | |
| Hydraulic (25x32 Sq.) | 1 | 2 | 25 | 20-50 | 0 | 2 | 25 | 32 | 20 | 20 | 15 | 6 | 5.5 | 9.5 | 5.5 | | | | | | | | |
| Pitch Standard | 2 | 1 (1/8) | | Specify within NxP≤140. | 1 | 3 | | | | | | | | | | | | | | | | | |
| Pitch Configurable | 3 | 2 (1/4) | | | 2 | 4 | | | | | | | | | | 3 | 5 | | | | | | |
| BMZS | 4 | 3 (3/8) | | | 3 | 5 | | | | | | | | | | 4 | 6 | | | | | | |
| BMZSM | 5 | 4 (1/2) | | | 4 | 6 | | | | | | | | | | 5 | 7 | | | | | | |

| Part Number Type | Rc (PT), M (Coarse) Selection | Pitch P | Pitches N | Vertical Semi-Through Hole | L-Shaped Hole | Mounting Hole Dimension | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------------------------|--------------------|-----------|----------------------------|---------------|-------------------------|----|----|----|----|----|---|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | L | A | B | E | F | X | Y | d | D | h | | | | | | | | | | | | | | | |
| Hydraulic (30x35 Sq.) | 1 | 30 | 0 | 2 | - | 40 | 30 | 35 | 20 | 20 | 15 | 6 | 5.5 | 9.5 | 5.5 | | | | | | | | | | | | | | | |
| Vertical Semi-Through Hole | 2 | 1 (1/8) 2 (1/4) | 1 | 3 | - | 70 | | | | | | | | | | | | | | | | | | | | | | | | |
| BMZRS | 2 | | 4 | - | 100 | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMZSRM | 3 | | 5 | - | 130 | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMZSRM | 4 | | 6 | - | 160 | | | | | | | | | | | | | | | | | | | | | | | | | |

By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering, see the Ordering Example.
For Q and G, specify 1, 2, 3, 4, 5, M3 or M4 indicated before (). Single Circuit is not available for Pitch Configurable Type.
When marked 5 pneumatic outlet port configuration is selected from 20 Sq. / 30 Sq., 5 (M5) is not available for G.

By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering, see the Ordering Example.
For Q, R and G, specify 1, 2, 3, 4 or 5 indicated before (). When marked 4 or 5 pneumatic outlet port configuration is selected from 30x40 Sq., 5 (M5) is not available for G.

Ordering Example: Part Number - Q - G - P
BMZF4 - Q1 - G2 - P30
BMZFP3 - Q2 - G2 - P30
G-BMZFP3 - Q2 - G2 - P30 (G Thread)

Ordering Example: Part Number - Q - R - G
BMZRF3 - R3 - G3
BMZUF4 - Q2 - R2 - G3
G-BMZUF4 - Q2 - R2 - G3 (G Thread)

| Number of Circuits | Unit Price | | | | | | | |
|--------------------|----------------|--------|--------|--------|--------------------|--------|--------|-------|
| | Pitch Standard | | | | Pitch Configurable | | | |
| | 15 Sq. | 20 Sq. | 30 Sq. | 40 Sq. | 20 Sq. | 30 Sq. | 40 Sq. | |
| 1 | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS |
| 2 | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS |
| 3 | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS |
| 4 | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS |
| 5 | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS | BMZAS |

Alterations Part Number - Q - G - P - (CR)
BMZFS - Q2 - G2 - CR

Alteration Through hole orientation Symmetrically opposite
Machine lateral hole G on the opposite side.

Spec.

Code CR

| Number of Circuits | Unit Price | | | |
|--------------------|----------------------------|--------|-----------------------------|--------|
| | Vertical Semi-Through Hole | | | |
| 1-5 | Material: EN 1.0038 Equiv. | | Material: EN AW-5052 Equiv. | |
| | 30x35 Sq. | 40 Sq. | 30x40 Sq. | 50 Sq. |
| | BMZRS | BMZSRM | BMZRF | BMZFRM |
| | BMZRS | BMZSRM | BMZRF | BMZFRM |
| | BMZRS | BMZSRM | BMZRF | BMZFRM |

| Number of Circuits | Unit Price | | | |
|--------------------|----------------------------|-----------|-----------------------------|---------|
| | L-Shaped Hole | | | |
| 1-5 | Material: EN 1.0038 Equiv. | | Material: EN AW-5052 Equiv. | |
| | 40 Sq. | 30x40 Sq. | 50 Sq. | |
| | BMZUF | BMZFUM | BMZAUF | BMZAUFL |
| | BMZUF | BMZFUM | BMZAUF | BMZAUFL |
| | BMZUF | BMZFUM | BMZAUF | BMZAUFL |

Alterations Part Number - Q - R - G - (CR)
BMZRS2 - R2 - G2 - CR

Alteration Through hole orientation Symmetrically opposite
Machine lateral hole G on the opposite side.

Spec.

Code CR