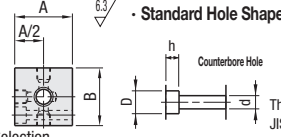
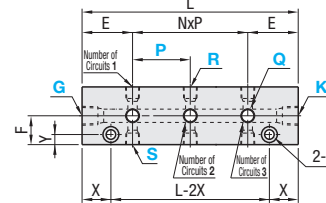


A 3D perspective diagram of a rectangular block. Two circular mounting holes are located on the top surface of the block. Red arrows point upwards from the center of each hole, representing the upward force exerted by the actuators. Several other red arrows point outwards from the faces of the block, representing the reaction forces or the forces applied to the block by the actuators.

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).



! BMTFLRP (EN 1.4301 Equiv., 60 Sq., Pitch Configurable) is available on our website.



| Mounting Hole Dimension | d   | D   | h   | D <sub>1</sub> | d <sub>1</sub> | h <sub>1</sub> |
|-------------------------|-----|-----|-----|----------------|----------------|----------------|
| M5                      | 5.5 | 9.5 | 5.5 | 8              | 4.2            | 4.5            |
| M6                      | 6.6 | 11  | 6.5 | 9.5            | 5.1            | 5.5            |
| M8                      | 8.5 | 14  | 8.5 | 11             | 6.8            | 6.5            |

Thread  
JIS B0203 Rc(PT)  
JIS B0202 G(PF): ISO 228-1 Compatible  
ANSI/ASME B.1.20.1-1983(NPT)

Through Hole (NA)      Tapped Hole (T)      Counterbore Tapped Hole (ZT)

The image shows three technical drawings of different hole types in a cross-section of a material.   
 1. **Through Hole (NA):** A simple hole passing through the entire thickness of the material. The diameter is labeled  $d$ .   
 2. **Tapped Hole (T):** A hole with a threaded section at the bottom. The diameter of the hole is labeled  $Mx2$ , and the diameter of the threaded section is labeled  $M$ .   
 3. **Counterbore Tapped Hole (ZT):** A hole with a counterbore at the top and a threaded section at the bottom. The outer diameter of the counterbore is labeled  $D_1$ , the inner diameter of the counterbore is labeled  $d_1$ , the depth of the counterbore is labeled  $h_1$ , the diameter of the hole is labeled  $Mx2$ , and the diameter of the threaded section is labeled  $M$ .

<L Dimension Calculation> Ex.: For BMTFLP3- ~ -P35,  
 $L = N \times P + 2E = (\text{Number of Circuits } 3 - 1) \times 35 + 2 \times 30 = 130$



\* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: **G-BMTF**) For ordering, see the Ordering Example.  
 \* For Q, R, S, G and K, specify 1, 2, 3, 4, 5, 6, M3, M4, 1N, 2N, 3N or 4N indicated before ( ).  
 \* Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.  
 \* Only 6 Circuit Type has an additional mounting hole at the midpoint of the overall length. (Except for 25 Sq.)

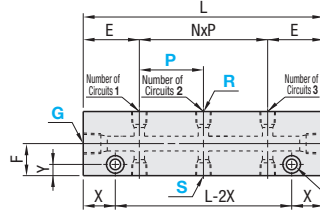
|  | Part Number |                      |                 | Q   | R  | S  | G  | K  | P          |
|-------------------------------------------------------------------------------------|-------------|----------------------|-----------------|-----|----|----|----|----|------------|
|                                                                                     | Type        | Mounting Hole Change | Number of Coils |     |    |    |    |    |            |
| BMTFMP                                                                              |             |                      | 2               | Q1  | R1 | S1 | G2 | K2 | P30        |
| BMTAC                                                                               | T           |                      | 3               | QM3 | R1 | S1 | G1 | K1 |            |
| G-BMTAC                                                                             | T           |                      | 3               | QM3 | R1 | S1 | G1 | K1 | (G Thread) |

A diagram of a rectangular block with four mounting holes, one on each of its four vertical faces. Red arrows point away from each hole, representing force vectors. The text "Mounting Holes" is written above the block with an arrow pointing to the top-right hole.

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).



Material of 70 Square is EN AW-6063 Equiv.



| Dimension |                  | M5  |     | M6  |     | M8  |     | M10 |  |
|-----------|------------------|-----|-----|-----|-----|-----|-----|-----|--|
|           | h                | 5.5 | 9.5 | 5.5 | 8   | 4.2 | 4.5 |     |  |
|           | Counterbore Hole | 6.6 | 11  | 6.5 | 9.5 | 5.1 | 5.5 |     |  |
|           | D                | 8.5 | 14  | 8.5 | 11  | 6.8 | 6.5 |     |  |
|           | d1               |     |     |     |     |     |     |     |  |

\*Only for EN 1.4301 Equv., d1 dimension is 4.3.  
 Thread  
 JIS B0203 Rc(PT)  
 JIS B0202 G(PF): ISO 228-1 Compatible  
 ANSI/ASME B1.20.1-1983(NPT)

Through Hole (NA)      Tapped Hole (T)      Counterbore Tapped Hole (ZT)

The image shows three technical drawings of hole types in a plate of thickness  $M$ .

- Through Hole (NA):** A simple hole with diameter  $\varnothing$  and length  $M$ .
- Tapped Hole (T):** A hole with diameter  $\varnothing$  and length  $M$ . It has two sections of length  $Mx2$  with a smaller diameter  $\varnothing_1$  for tapping.
- Counterbore Tapped Hole (ZT):** A hole with diameter  $\varnothing$  and length  $M$ . It has a counterbore section with diameter  $\varnothing_1$  and depth  $h1$ , followed by a section of length  $Mx2$  with diameter  $\varnothing_1$  for tapping.

\* Drawing for **3 Circuit Type** is selected.  
The total number of R, S, G and K threads is 8.

🌀 Mounting hole shape can be selected freely.

🌀 **Standard hole shape** is selected when  
**no hole shape modification** is specified.

[ L Dimension Calculation] Ex: For BMIFP3~ ~P35,  
 $L = N \times P + 2E$  (Number of Circuits 3 - 1) x 35

• By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: **G-BMIF**) For ordering, see the Ordering Example.  
 • For R, S, G and K, specify 1, 2, 3, 4, 6, 8, 1N, 2N, 3N or 4N indicated before ( ).  
 • Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.

• Single Circuit is not available for Pitch Configurable Type.  
 • Only 6 Circuit Type has an additional mounting hole at the midpoint of the overall length.

|  | Part Number |                      |                    | -  | R | -  | S | -  | G | -  | K | -   | P          |
|---------------------------------------------------------------------------------------|-------------|----------------------|--------------------|----|---|----|---|----|---|----|---|-----|------------|
|                                                                                       | Type        | Mounting Hole Change | Number of Contacts |    |   |    |   |    |   |    |   |     |            |
| BMAF                                                                                  | ZT          | 3                    | -                  | R1 | - | S2 | - | G2 | - | K2 | - | P25 |            |
| BMIFRP                                                                                | ZT          | 3                    | -                  | R2 | - | S1 | - | G2 | - | K2 | - | P25 |            |
| G-BMIFRP                                                                              | ZT          | 3                    | -                  | R2 | - | S1 | - | G2 | - | K2 | - | P25 | (G Thread) |

[illegible][illegible]