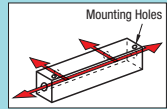


Manifold Blocks - Pneumatic

Lateral Through Hole, Vertical Semi-Through 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).

Type							Material	Surface Treatment	Max. Operating Pressure
Pitch (P) Standard			Pitch (P) Configurable						
15 Sq.	25 Sq.	30x40 Sq.	50 Sq.	25 Sq.	30x40 Sq.	50 Sq.	Aluminum Alloy	Clear Anodize	1MPa=10kgf/cm ² or less
BMRASA	BMRAC	BMRAF	BMRAL	BMRACP	BMRAFP	BMRALP			
	BMRACA	BMRAFA	BMRALA	BMRACAP	BMRAFAP	BMRALAP			

Material of 15 Sq. is A6063.

Standard Hole Shape

Mounting Hole Dimension	d	D	h	D1	d1	h1
M4	4.3	-	-	-	-	-
M5	5.5	9.5	5.5	8	4.2	4.5
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)

Mounting Hole Change

Through Hole (NA)

Tapped Hole (T)

Counterbore Tapped Hole (ZT)

Mounting Hole Change

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

2-Hole Selection

* Drawing for 3 Circuit Type is selected.
The total number of R, G and K threads is 5.

Mounting hole shape can be selected freely.
Standard hole shape is selected when no hole shape modification is specified.
Note that the default of 15 Sq. and 25 Sq. is Through Hole.

<L Dimension Calculation>
Ex.: For BTSP3- - -P35,
L=NxP+2E= (Number of Circuits 3 - 1) x 35 + 2 x 20 = 110

RoHS 10

Part Number	Type	Mounting Hole Change	Number of Circuits	Rc (PT), NPT, M (Coarse) Selection	Pitch P		Number of Pitches	Total Number of R, G and K Threads	A	B	E	F	X	Y	Mounting Hole
					Standard	Configurable (1mm Increment)									
15 Sq. Pitch Standard BMRASA	Pitch Standard	T (Tapped)	1	M3 (M3) M4 (M4) M5 (M5)	15	-	0	3	15	15	15	10	5	3.5	M4
			2				1	4							
			3				2	5							
			4				3	6							
			5				4	7							
			6				5	8							
			7				6	9							
			8				7	10							
25 Sq. Pitch Standard BMRAC BMRACA	Pitch Standard	T (Tapped)	1	M3 (M3) M4 (M4) M5 (M5)	15	15-50	0	3	25	25	20	12.5	10	4	M5
			2				1	4							
			3				2	5							
			4				3	6							
			5				4	7							
			6				5	8							
			7				6	9							
			8				7	10							
30x40 Sq. Pitch Standard BMRAF BMRACA	Pitch Standard	NA (Through)	1	M3 (M3) M4 (M4) M5 (M5)	30	20-50	0	3	30	40	20	20	7.5	7	M5
			2				1	4							
			3				2	5							
			4				3	6							
			5				4	7							
			6				5	8							
			7				6	9							
			8				7	10							
50 Sq. Pitch Standard BMRALP BMRALAP	Pitch Standard	ZT (Counterbore Tapped)	1	M3 (M3) M4 (M4) M5 (M5)	40	35-60	0	3	50	50	25	25	8.5	8.5	M8
			2				1	4							
			3				2	5							
			4				3	6							
			5				4	7							
			6				5	8							
			7				6	9							
			8				7	10							

- By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMRAF) For ordering, see the Ordering Example.
- For R, G and K, specify 1, 2, 3, 4, 5, M3, M4, 1N, or 2N indicated before ().
- Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
- When "marked 7 or 8 Circuit is selected from 25 Sq. / 30x40 Sq., M3, M4 - and 5(M5) are not available for G or K.(M5)
- Single Circuit is not available for Pitch Configurable Type.Number of Circuits
- Number of Circuits Each 6 and 8 Circuit Type has an additional mounting hole at the midpoint of the overall length. 7 Circuit Type has an additional mounting hole at each midpoint of the 2 - 3 port pitch, and 5 - 6 port pitch from the left to the right. (Except for 15 Sq.) (Number of Circuits
- M3, M4 and 5(M5) are not available for 25 Sq., 30x40 Sq. Pitch Configurable Type G and K.

Ordering Example

Part Number: **R** - **G** - **K** - **P**

Example: BMRAC T 2 - R5 - G1 - K1

BMRAFP ZT 3 - R1 - G2 - K2 - P40

G-BMRAFP ZT 3 - R1 - G2 - K2 - P40 (G Thread)

Number of Circuits	Pitch (P) Standard				Pitch (P) Configurable				Unit Price
	15 Sq.	25 Sq.	30x40 Sq.	50 Sq.	25 Sq.	30x40 Sq.	50 Sq.		
1	BMRASA	BMRAC	BMRACA	BMRAL	BMRACP	BMRAFP	BMRALP		
2									
3									
4									
5									
6									
7									
8									