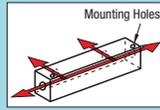


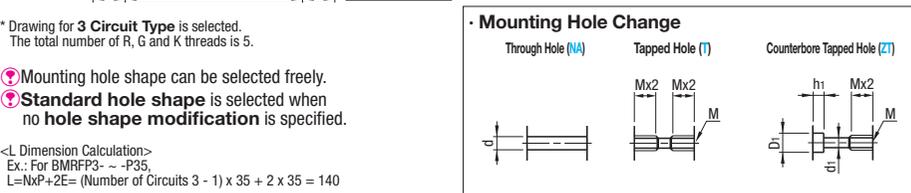
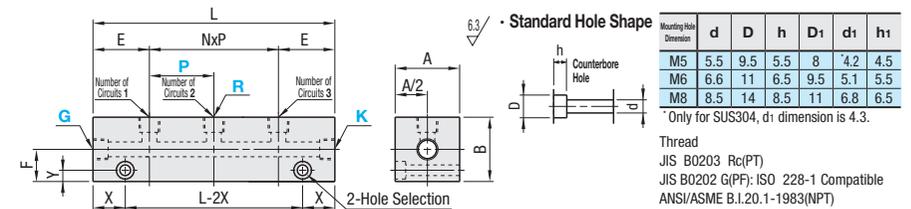
Manifold Blocks - Hydraulic

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		Pitch (P) Standard			Pitch (P) Configurable			Material	Surface Treatment	Max. Operating Pressure
30x35 Sq.	40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	50 Sq.				
BMRS	BMRF	BMRFL	BMRL	-	BMRFP	BMRFLP	SS400	Trivalent Chromate	20 MPa=210kgf/cm ² or less	
-	BMRFM	BMRFLM	BMRLM	-	-	BMRFLMP	SS400 (BMRFLM)	Electroless Nickel Plating		
BMRSR	BMRFR	BMRFLR	-	BMRSRP	BMRFRP	BMRFLRP	SUS304	-	1MPa=10kgf/cm ² or less	
-	BMRFC	-	-	-	-	-	Brass	-		



* 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.

<L Dimension Calculation>
Ex.: For BMRFP3 - -P35,
L=NxP+2E= (Number of Circuits 3 - 1) x 35 + 2 x 35 = 140



Part Number	Type	Mounting Hole Change	Rc (PT), NPT Selection		Pitch P		Number of Pitches	Total Number of R, G and K Threads	A	B	E	F	X	Y	Mounting Hole	
			R	G, K	Standard	Configurable Item Increment										
(30x35 Sq.)	Pitch Standard		1		-	-	0	3								
	Configurable		2				1	4								
			3				2	5								
			4	1 (1/8)	1 (1/8)	30	3	6	30	35	20	20	15	6	M5	
			5	2 (1/4)	2 (1/4)		4	7								
			6				5	8								
			7				6	9								
			8				7	10								
(40 Sq.)	Pitch Standard		1		-	-	0	3								
	Configurable		2				1	4								
			3	1 (1/8)	2 (1/4)	40	2	5	40	40	35	20	20	7	M6	
			4	2 (1/4)	3 (3/8)		3	6								
			5	3 (3/8)	4 (1/2)		4	7								
			6	1N (NPT1/8)	2N (NPT1/4)		5	8								
			7	2N (NPT1/4)	3N (NPT3/8)		6	9								
			8	3N (NPT3/8)	4N (NPT1/2)		7	10								
(50 Sq.)	Pitch Standard		1		-	-	0	3								
	Configurable		2				1	4								
			3	2 (1/4)	2 (1/4)	60	2	5	50	50	30	28	20	8	M8	
			4	3 (3/8)	3 (3/8)		3	6								
			5	4 (1/2)	4 (1/2)		4	7								
			6	6 (3/4)	6 (3/4)		5	8								
			7				6	9								
			8				7	10								
(70 Sq.)	Pitch Standard		1		-	-	0	3								
	Configurable		2				1	4								
			3	6 (3/4)	8 (1)	60	2	5	70	70	40	35	25	9	M8	
			4	8 (1)			3	6								

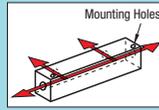
* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMRF) For ordering, see the Ordering Example.
* For R, G and K, specify 1, 2, 3, 4, 6, 8, 1N, 2N, 3N or 4N indicated before (.)
* Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
* Single Circuit is not available for Pitch Configurable Type.
* 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.
* Brass is for up to 6 connections.

Part Number	Type	Mounting Hole Change	Number of Circuits	R	G	K	P
BMRF			3	R3	G2	K2	
BMRFLP	NA		4	R2	G3	K4	P50
G-BMRFLP	NA		4	R2	G3	K4	P50 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price								Pitch (P) Configurable Unit Price								
	30x35 Sq.	40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	50 Sq.		
1	BMRS	BMRSR	BMRF	BMRFM	BMRFR	BMRFC	BMRFL	BMRFLM	BMRFLR	BMRL	BMRLM	BMRSRP	BMRFP	BMRFRP	BMRFLP	BMRFLMP	BMRFLRP
2																	
3																	
4																	
5																	
6																	
7																	
8																	

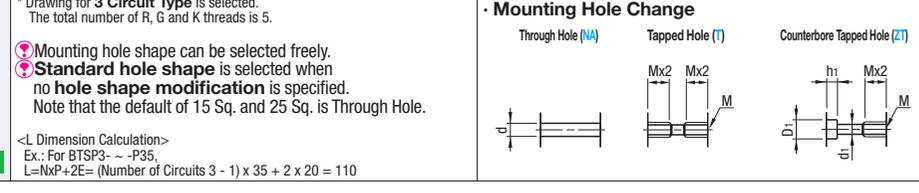
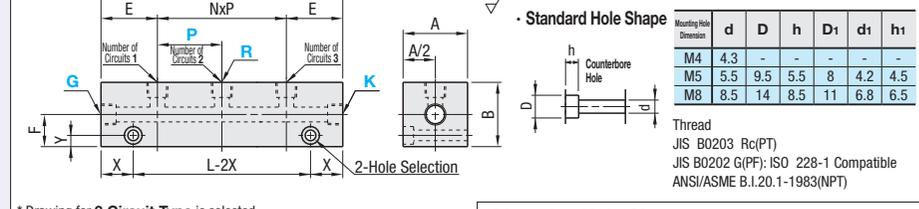
Manifold Blocks - Pneumatic

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		Pitch (P) Standard			Pitch (P) Configurable			Material	Surface Treatment	Max. Operating Pressure
15 Sq.	25 Sq.	30x40 Sq.	50 Sq.	25 Sq.	30x40 Sq.	50 Sq.				
-	BMRAC	BMRAC	BMRAL	BMRAC	BMRAC	BMRALP	Aluminum Alloy	-	1MPa=10kgf/cm ² or less	
BMRASA	BMRAC	BMRAC	BMRALA	BMRAC	BMRAC	BMRALP	Clear Anodize			



* 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



Part Number	Type	Mounting Hole Change	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
			R, G, K	Standard	Configurable Item Increment										
(15 Sq.)	Pitch Standard		1		-	-	0	3							
	Configurable		2				1	4							
			3				2	5							
			4	M3 (M3)	15		3	6	15	15	15	10	5	3.5	M4
			5	M4 (M4)			4	7							
			6	M5 (M5)			5	8							
			7				6	9							
			8				7	10							
(25 Sq.)	Pitch Standard		1		-	-	0	3							
	Configurable		2				1	4							
			3	1 (1/8)	2 (1/4)	15	2	5	25	25	20	12.5	10	4	M5
			4	M3 (M3)	M4 (M4)		3	6							
			5	M4 (M4)	M5 (M5)		4	7							
			6				5	8							
			7				6	9							
			8				7	10							
(30x40 Sq.)	Pitch Standard		1		-	-	0	3							
	Configurable		2				1	4							
			3	1 (1/8)	2 (1/4)	30	2	5	30	40	20	20	7.5	7	M5
			4	M3 (M3)	M4 (M4)		3	6							
			5	M4 (M4)	M5 (M5)		4	7							
			6	1N (NPT1/8)	2N (NPT1/4)		5	8							
			7				6	9							
			8				7	10							
(50 Sq.)	Pitch Standard		1		-	-	0	3							
	Configurable		2				1	4							
			3	2 (1/4)	2 (1/4)	40	2	5	50	50	25	25	8.5	8.5	M8
			4	3 (3/8)	3 (3/8)		3	6							
			5	4 (1/2)	4 (1/2)		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-BMRAC) 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

Part Number	Type	Mounting Hole Change	Number of Circuits	R	G	K	P
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 Unit Price								Pitch (P) Configurable Unit Price							
	15 Sq.	25 Sq.	30x40 Sq.	50 Sq.	25 Sq.	30x40 Sq.	50 Sq.	30x40 Sq.	50 Sq.	25 Sq.	30x40 Sq.	50 Sq.	30x40 Sq.	50 Sq.		
1	BMRASA	BMRAC	BMRACA	BMRAC	BMRAC	BMRAL	BMRALA	BMRAC								