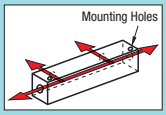
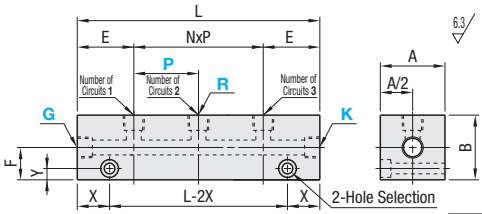
Manifold Blocks - Hydraulic

Lateral Through Hole, Vertical Semi-Through Hole

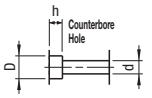


For details of recommended tapered male thread tightening torque and through pilot holes, see **P.1224**.
By inserting "**G-**" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

Type							Material		Surface Treatment	Max. Operating Pressure
Pitch (P) Standard				Pitch (P) Configurable						
30x35 Sq.	40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	50 Sq.				
BMRS	BMRF	BMRFL	BMRL	-	BMRFP	BMRFLP	SS400		Trivalent Chromate	
-	BMRFM	BMRFLM	BMRLM	-	-	BMRFLMP	SS400 (BMRLM)	Steel for General Structure (BMRFM) (BMRFLM) (BMRFLMP)	Electroless Nickel Plating	20.6MPa≈210kgf/cm² or less
BMRSR	BMRFR	BMRFLR	-	BMRSRP	BMRFRP	BMRFLRP	SUS304		-	
-	BMRFC	-	-	-	-	-	Brass			1MPa≈10kgf/cm² or less



· **Standard Hole Shape**



Mounting Hole Dimension	d	D	h	D1	d1	h1
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

*Only for SUS304, d1 dimension is 4.3.

Thread
JIS B0203 Rc(PT)
JIS B0202 G(PF): ISO 228-1 Compatible
ANSI/ASME B.I.20.1-1983(NPT)

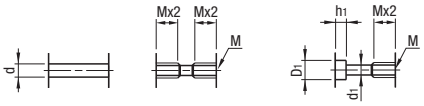
* Drawing for **3 Circuit Type** is selected.
The total number of R, G and K threads is 5.

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

· **Mounting Hole Change**

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



Part Number				Rc (PT), NPT Selection		Pitch P		Number of Pitches N	Total Number of R, G and K Threads	A	B	E	F	X	Y	Mounting Hole
Type		Mounting Hole Change	Number of Circuits	R	G, K	Standard	Configurable 1mm Increment									M
(30x35 Sq.)			1			-	-	0	3							
			2					1	4							
	Pitch		3					2	5							
Pitch Standard	Configurable		4	1 (1/8)	1 (1/8)			3	6							
BMRS			5	2 (1/4)	2 (1/4)	30	20~50	4	7	30	35	20	20	15	6	M5
			6					5	8							
BMRSR	BMRSRP		7					6	9							
			8				20~40	7	10							
(40 Sq.)			1			-	-	0	3							
	Pitch		2					1	4							
Pitch Standard	Configurable		3	1 (1/8)	2 (1/4)			2	5							
BMRF	BMRFP	NA (Through)	4	2 (1/4)	3 (3/8)			3	6							
BMRFM			5	3 (3/8)	4 (1/2)	40	25~50	4	7	40	40	35	20	20	7	M6
BMRFR	BMRFRP	T (Tapped)	6	1N (NPT1/8)	2N (NPT1/4)			5	8							
BMRFC			7	2N (NPT1/4)	3N (NPT3/8)		20~45	6	9							
		ZT (Counterbore Tapped)	8	3N (NPT3/8)	4N (NPT1/2)		20~40	7	10							
(50 Sq.)			1			-	-	0	3							
	Pitch		2					1	4							
Pitch Standard	Configurable		3	2 (1/4)	2 (1/4)			2	5							
BMRFL	BMRFLP		4	3 (3/8)	3 (3/8)			3	6							
BMRFLM	BMRFLMP		5	4 (1/2)	4 (1/2)	60	35~60	4	7	50	50	30	28	20	8	M8
BMRFLR	BMRFLRP		6	6 (3/4)	6 (3/4)			5	8							
(70 Sq.)			1			-		0	3							
Pitch Standard			2	6 (3/4)	8 (1)			1	4							
BMRL			3	8 (1)		60	-	2	5	70	70	40	35	25	9	M8
BMRLM			4					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.		
	BMRS	BMRSR	BMRF	BMRFM	BMRFR	BMRFC	BMRFL	BMRFLM	BMRFLR	BMRL	BMRLM	BMRSRP	BMRFP	BMRFRP	BMRFLP	BMRFLMP	BMRFLRP
1												-	-	-	-	-	-
2																	
3																	
4																	
5										-	-						
6										-	-						
7						-	-	-	-	-	-				-	-	-
8						-	-	-	-	-	-				-	-	-