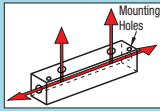


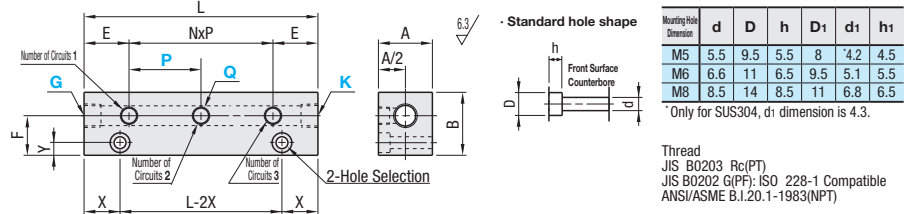
Manifold Blocks - Hydraulic

Lateral Through Hole, Upper 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).

Pitch (P) Standard				Pitch (P) Configurable				Material	Surface Treatment	Max. Operating Pressure
25x32 Sq.	30x35 Sq.	50 Sq.	60 Sq.	25x32 Sq.	30x35 Sq.	50 Sq.				
BMSB	BMBF	BMBFL	BMBL	BMBSP	BMBFP	BMBFLP	SS400	Trivalent Chromate	20.6MPa=210kgf/cm ² or less	
	BMBFM	BMBFLM			BMBFMP	BMBFLMP	Steel for General Structure	Electroless Nickel Plating		
BMSBR	BMBFR	BMBFLR		BMSBRP	BMBFRP	BMBFLRP	SUS304			
	BMBFS				BMBFSP		SUS316			
	BMBFC						Brass		1MPa=10kgf/cm ² or less	



* Drawing for 3 Circuit Type is selected. The total number of Q, G and K threads is 5.
 * X dimension for 30x35 Sq. 1 Circuit Type is 15.
 * Mounting hole shape can be selected freely.
 * Standard hole shape is selected when no hole shape modification is specified.

Mounting Hole Change

- Back Surface Counterbore (ZB)
- Through Hole (NA)
- Tapped Hole (T)
- Counterbore Tapped Hole (ZT)

<L Dimension Calculation>
 Ex.: For BMBFP3-~P35
 L=NxP+2E= (Number of Circuits 3-1) x 35 + 2 x 25 = 120

Part Number	Type	Mounting Hole Change	Rc (PT), NPT Selection	Pitch P		Number of Pitches	Total Number of Q, G and K Threads	A	B	E	F	X	Y	Mounting Hole
				Standard	Configurable from Increment									
(25x32 Sq.)	Pitch Standard													
BMSB	Pitch Configurable													
BMSBR														
(30x35 Sq.)		ZB (Back Surface Counterbore)												
BMBF		NA (Through)												
BMBFM		T (Tapped)												
BMBFR														
BMBFS														
BMBFC														
(50 Sq.)		ZT (Counterbore Tapped)												
BMBFL														
BMBFLM														
BMBFLR														
(60 Sq.)														
BMBL														

* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMBF) For ordering, see the Ordering Example.
 * For Q, G and K, specify 1, 2, 3, 4, 5, 6, 8, M3, M4, 1N, or 2N indicated before (.).
 * Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
 * Single Circuit is not available for Pitch Configurable Type.
 * SUS316 or Brass is for up to 6 connections.
 * 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.

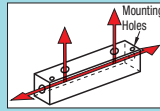
Ordering Example

Part Number	Type	Mounting Hole Change	Number of Circuits	Q	G	K	P
BMBF	T		3	Q3	G4	K2	
BMBFLP	NA		3	Q3	G4	K6	P45
G-BMBFLP	NA		3	Q3	G4	K6	P45 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price				Pitch (P) Configurable Unit Price													
	25x32 Sq.	30x35 Sq.	50 Sq.	60 Sq.	25x32 Sq.	30x35 Sq.	50 Sq.	60 Sq.										
1	BMSB	BMSBR	BMBF	BMBFM	BMBFR	BMBFS	BMBFC	BMBFL	BMBFLM	BMBFLR	BMBL	BMBSP	BMSBRP	BMBFP	BMBFRP	BMBFLP	BMBFLMP	BMBFLRP
2																		
3																		
4																		
5																		
6																		
7																		
8																		

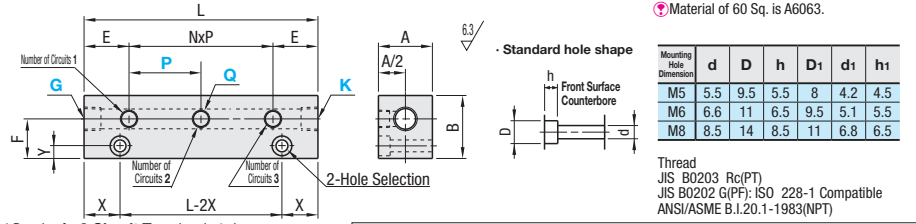
Manifold Blocks - Pneumatic

Lateral Through Hole, Upper 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).

Pitch (P) Standard				Pitch (P) Configurable				Material	Surface Treatment	Max. Operating Pressure
20 Sq.	30 Sq.	40 Sq.	60 Sq.	20 Sq.	30 Sq.	40 Sq.				
BMSFC	BMSFA	BMSFL	BMSFLA	BMSFCP	BMSFAP	BMSFLP	Aluminum Alloy		1MPa=10kgf/cm ² or less	
							Clear Anodize			



* Drawing for 3 Circuit Type is selected. The total number of Q, 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 20 Sq. is Through Hole.

<L Dimension Calculation>
 Ex.: For BMSFCP3-~P25
 L=NxP+2E= (Number of Circuits 3-1) x 25 + 2 x 20 = 90

Mounting Hole Change

- Back Surface Counterbore (ZB)
- Through Hole (NA)
- Tapped Hole (T)
- Counterbore Tapped Hole (ZT)

Part Number	Type	Mounting Hole Change	Rc (PT), NPT, M (Coarse) Selection	Pitch P		Number of Pitches	Total Number of Q, G and K Threads	A	B	E	F	X	Y	Mounting Hole
				Standard	Configurable from Increment									
(20 Sq.)	Pitch Standard													
BMSFC	Pitch Configurable													
BMSFCA														
(30 Sq.)		ZB (Back Surface Counterbore)												
BMSF		NA (Through)												
BMSFA		T (Tapped)												
BMSFL														
BMSFLA		ZT (Counterbore Tapped)												
(40 Sq.)														
BMSFLP														
BMSFLAP														
(60 Sq.)														
BMSFB														

* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMBF) For ordering, see the Ordering Example.
 * 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. (Except for 20 Sq.)
 * For G and K of 20 Sq. Pitch Configurable Type, M3, M4 or 5 (M5) are not selectable.

Ordering Example

Part Number	Type	Mounting Hole Change	Number of Circuits	Q	G	K	P
BMSF	T		5	Q2	G1	K2	
BMSFLP	ZT		5	Q2	G3	K3	P50
G-BMSFLP	ZT		5	Q2	G3	K3	P50 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price				Pitch (P) Configurable Unit Price			
	20 Sq.	30 Sq.	40 Sq.	60 Sq.	20 Sq.	30 Sq.	40 Sq.	60 Sq.
1	BMSFC	BMSFCA	BMSFL	BMSFLA	BMSFCP	BMSFAP	BMSFLP	BMSFLMP
2								
3								
4								
5								
6								
7								
8								