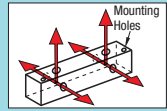


Manifold Blocks - Pneumatic

T-Shaped Hole



For details of recommended tapered male thread tightening torque and through pilot hole, 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).

RoHS 10

Type							Material	Surface Treatment	Max. Operating Pressure
Pitch (P) Standard			Pitch (P) Configurable						
20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.	Aluminum Alloy	Clear Anodize	1MPa=10kgf/cm ² or less
BMGFC	BMGF	BMGFK	BMGFL	BMGFCP	BMGFP	BMGFKP			
BMGFCA	BMGFA	-	BMGFLA	BMGFCA	BMGFAP	-			

* Drawing for 3 Circuit Type is selected.
The total number of Q, R and S threads is 9.

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

Number of Circuits 1

Number of Circuits 2

Number of Circuits 3

2-Hole Selection

Side Mounting Hole Change

Standard hole shape

Mounting Hole Change

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

Side Mounting Hole Change

Side Counterbore (ZT) Side Through (YN)

Mounting Hole Dimension	d	D	h	D1	d1	h1
M5	5.5	9.5	5.5	8	4.2	4.5
M8	8.5	14	8.5	11	6.8	6.5

<L Dimension Calculation>
Ex.: For BMGFP3~P25
L=NxP+2E= (Number of Circuits 3-1) x 25 + 2 x 20 = 90

Part Number		Rc (PT), NPT, M (Coarse) Selection	Pitch P		Number of Pitches N	Total Number of Q, R and S Threads	A	B	E	F	X	Y	Mounting Hole M
Type	Mounting Hole Change	Number of Circuits	Standard	Configurable Term Increment									
Pitch Standard 20 Sq.	T (Tapped)	1	-	-	0	3	20	20	20	10	5	4	M5
		2			1	6							
		3	1 (1/8)	15~50	2	9							
		4	M3 (M3)		3	12							
	YN (Side Through)	5	M4 (M4)	20~50	4	15							
		6	5 (M5)		5	18							
		7			6	21							
		8			7	24							
Pitch Standard 25 Sq.	NA (Through)	1	-	-	0	3	25	25	20	12.5	7.5	7	M5
		2			1	6							
		3	1 (1/8)	20~50	2	9							
		4	2 (1/4)		3	12							
	T (Tapped)	5	5 (M5)	25~50	4	15							
		6	1N (NPT1/8)		5	18							
		7	2N (NPT1/4)		6	21							
		8			7	24							
Pitch Standard 35 Sq.	ZT (Counterbore Tapped)	1	-	-	0	3	35	35	20	17.5	7.5	7	M5
		2			1	6							
		3	1 (1/8)	20~50	2	9							
		4	2 (1/4)		3	12							
	YZ (Side Counterbore)	5	5 (M5)	25~50	4	15							
		6	1N (NPT1/8)		5	18							
		7	2N (NPT1/4)		6	21							
		8			7	24							
Pitch Standard 50 Sq.	YN (Side Through)	1	-	-	0	3	50	50	25	25	8.5	8.5	M8
		2			1	6							
		3	2 (1/4)		2	9							
		4	3 (3/8)		3	12							
		5	4 (1/2)		4	15							
		6			5	18							

- ① By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMGF) For ordering, see the Ordering Example.
- ② For Q, R and S, specify 1, 2, 3, 4, 5, M3, M4, 1N or 2N indicated before (). ③ Single Circuit is not available for Pitch Configurable Type.
- ④ Specify the pitch taking into consideration the necessary dimensions for fitting the couplings. ⑤ 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. and 25 Sq.)
- ⑥ For Block Square 25□□ Type, when 1/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square□□35 Type instead.
- ⑦ Select NA, T or ZT for the mounting hole shape of 7 and 8 Circuit Types.

Ordering Example

Part Number	Q	R	S	P
Type Mounting Hole Change Number of Circuits				
BMGF T 4	- Q2	- R5	- S2	
BMGFP ZT 4	- Q2	- R2	- S2	- P50
G-BMGFP ZT 4	- Q2	- R2	- S2	- P50 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price						Pitch (P) Configurable Unit Price					
	20 Sq.		25 Sq.		35 Sq.		20 Sq.		25 Sq.		35 Sq.	
	BMGFC	BMGFCA	BMGF	BMGFA	BMGFK	BMGFL	BMGFLA	BMGFCA	BMGFAP	BMGF	BMGFAP	BMGFKP
1												
2												
3												
4												
5												
6												
7												
8												