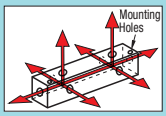
Manifold Blocks - Hydraulic / Pneumatic

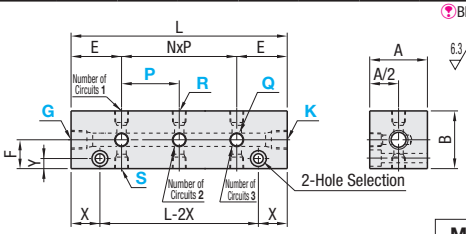
Lateral Through Hole, T-Shaped Hole



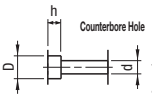
For details of recommended tapered male thread tightening torque and through pilot holes, see **P.1224**.
By inserting "**G-**" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

Usage	Type: Pitch (P) Standard 40 Sq.	60 Sq.	25 Sq.	30x40 Sq.	50 Sq.	Pitch (P) Configurable 40 Sq.	60 Sq.	Material	Surface Treatment	Max. Operating Pressure
Hydraulic	BMTF	BMTFL	-	-	-	-	BMTFLP	SS400	Trivalent Chromate	20.6MPa≈210kgf/cm² or less
	BMTFM	-	-	-	-	BMTFMP	-	Steel for General Structure	Electroless Nickel Plating	
	BMTFR	BMTFLR	-	-	-	BMTFRP	-	SUS304	-	
	BMTFS	-	-	-	-	-	-	SUS316	-	
	BMTFC	-	-	-	-	-	-	Brass	-	1MPa≈10kgf/cm² or less
Pneumatic	-	-	BMTAC	BMTAF	BMTAL	-	-	Aluminum Alloy	-	
	-	-	-	BMTAFA	BMTALA	-	-		Clear Anodize	

BMTFLRP (SUS304, 60 Sq., Pitch Configurable) is available on our website.



· 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

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 Q, R, S, G and K threads is 11.

Mounting hole shape can be selected freely.

Standard hole shape is selected when no **hole shape modification** is specified.

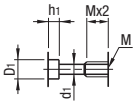
<L Dimension Calculation> Ex.: For BMTFLP3- ~ -P35,
L=NxP+2E= (Number of Circuits 3 - 1) x 35 + 2 x 30 = 130

· Mounting Hole Change

Through Hole (NA)

Tapped Hole (T)

Counterbore Tapped Hole (ZT)



RoHS10

Part Number: Type	Mounting Hole Change	Number of Circuits	Rc (PT), NPT, M (Coarse) Selection: Q, R, S	G, K	Pitch P: Standard	Configurable 1mm Increment	Number of Pitches N	Total Number of Q, R, S, G and K Threads	A	B	E	F	X	Y	Mounting Hole M
Hydraulic (40 Sq.) Pitch Standard: BMTF, BMTFM, BMTFR, BMTFS, BMTFC / Pitch Configurable: BMTFMP, BMTFRP	NA (Through) / T (Tapped)	1	1 (1/8)	2 (1/4)	-	-	0	5	40	40	35	20	20	7	M6
		2	2 (1/4)	3 (3/8)	40	25~50	1	8							
		3	3 (3/8)	4 (1/2)			2	11							
		4	1N (NPT1/8)	2N (NPT1/4)			3	14							
		5	2N (NPT1/4)	3N (NPT3/8)			4	17							
		6	3N (NPT3/8)	4N (NPT1/2)		30~50	5	20							
Hydraulic (60 Sq.) Pitch Standard: BMTFL, BMTFLR / Pitch Configurable: BMTFLP	NA (Through) / T (Tapped) / ZT (Counterbore Tapped)	1			-	-	0	5	60	60	30	30	7.5	8	M8
		2	2 (1/4)	2 (1/4)	60	35~60	1	8							
		3	3 (3/8)	3 (3/8)			2	11							
		4	4 (1/2)	4 (1/2)			3	14							
		5	6 (3/4)	6 (3/4)			4	17							
		6				40~60	5	20							
Pneumatic (25 Sq.) Pitch Standard: BMTAC	T (Tapped)	1			-		0	5	25	25	20	12.5	10	4	M5
		2	1 (1/8)	1 (1/8)			1	8							
		3	M3 (M3)	M3 (M3)	15	-	2	11							
		4	M4 (M4)	M4 (M4)			3	14							
		5	5 (M5)	5 (M5)			4	17							
		6					5	20							
Pneumatic (30x40 Sq.) Pitch Standard: BMTAF, BMTAFA	NA (Through) / T (Tapped)	1			-		0	5	30	40	20	20	7.5	7	M5
		2	1 (1/8)	1 (1/8)			1	8							
		3	2 (1/4)	2 (1/4)	30	-	2	11							
		4	5 (M5)	5 (M5)			3	14							
		5	1N (NPT1/8)	1N (NPT1/8)			4	17							
		6	2N (NPT1/4)	2N (NPT1/4)			5	20							
Pneumatic (50 Sq.) Pitch Standard: BMTAL, BMTALA	NA (Through) / T (Tapped) / ZT (Counterbore Tapped)	1			-		0	5	50	50	25	25	8.5	8.5	M8
		2	2 (1/4)	2 (1/4)			1	8							
		3	3 (3/8)	3 (3/8)	40	-	2	11							
		4	4 (1/2)	4 (1/2)			3	14							
		5					4	17							
		6					5	20							

By inserting "**G-**" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: **G-BMTF**) For ordering, see the Ordering Example.
For Q, R, S, G and K, specify 1, 2, 3, 4, 5, 6, M3, M4, 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.
Only 6 Circuit Type has an additional mounting hole at the midpoint of the overall length. (Except for 25 Sq.)

Part Number	Type	Mounting Hole Change	Number of Circuits	- Q	- R	- S	- G	- K	- P
	BMTFMP		2	Q1	R1	S1	G2	K2	P30
	BMTAC	T	3	QM3	R1	S1	G1	K1	
	G-BMTAC	T	3	QM3	R1	S1	G1	K1	(G Thread)

No.	Unit Price: Pitch (P) Standard, Usage: Hydraulic, 40 Sq. BMTF	BMTFM	BMTFR	BMTFS	BMTFC	60 Sq. BMTFL	BMTFLR	Usage: Pneumatic, 25 Sq. BMTAC	30x40 Sq. BMTAF	BMTAFA	50 Sq. BMTAL	BMTALA	Pitch (P) Configurable, Usage: Hydraulic, 40 Sq. BMTFMP	BMTFRP	60 Sq. BMTFLP
1													-	-	-
2															
3															
4															
5															
6															