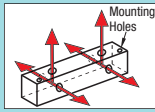


Manifold Blocks - Hydraulic

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).

Type	Pitch (P) Standard					Pitch (P) Configurable			Material	Surface Treatment	Max. Operating Pressure
	25x32 Sq.	40 Sq.	50 Sq.	60 Sq.	70 Sq.	40 Sq.	50 Sq.	60 Sq.			
BMAS	BMAF	BMAFLM	BMAFL	BMAFLM	BMAL	BMAFP	BMAFLP	BMAFLK	SS400	Trivalent Chromate	20.6MPa=210kgf/cm ² or less
BMAFR	BMAFM	BMAFLM	BMAFL	BMAL	BMAFP	BMAFLP	BMAFLK	SUS304	Electroless Nickel Plating		
BMAFR	BMAFM	BMAFLM	BMAFL	BMAL	BMAFP	BMAFLP	BMAFLK	SUS316		1MPa=10kgf/cm ² or less	
BMAFR	BMAFM	BMAFLM	BMAFL	BMAL	BMAFP	BMAFLP	BMAFLK	Brass		1MPa=10kgf/cm ² or less	

* 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)

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

Side Mounting Hole Change
Side Counterbore (YZ) Side Through (YN)

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Part Number	Type	Mounting Hole Change	Rc (PT), NPT Selection	Pitch P	Number of Pitches	Total Number of Q, R and S Threads	A	B	E	F	X	Y	Mounting Hole
Pitch Standard BMAS BMAFR	(25x32 Sq.)	NA (Through)	1	25	0	3	25	32	20	16	7.5	7	M5
			2	25	1	6	25	32	20	16	7.5	7	M5
			3	25	2	9	25	32	20	16	7.5	7	M5
			4	25	3	12	25	32	20	16	7.5	7	M5
			5	25	4	15	25	32	20	16	7.5	7	M5
			6	25	5	18	25	32	20	16	7.5	7	M5
			7	25	6	21	25	32	20	16	7.5	7	M5
			8	25	7	24	25	32	20	16	7.5	7	M5
Pitch Standard BMAFR BMAFM BMAFLM BMAFLR	(40 Sq.)	T (Tapped)	1	40	0	3	40	40	20	20	7.5	7	M6
			2	40	1	6	40	40	20	20	7.5	7	M6
			3	40	2	9	40	40	20	20	7.5	7	M6
			4	40	3	12	40	40	20	20	7.5	7	M6
			5	40	4	15	40	40	20	20	7.5	7	M6
			6	40	5	18	40	40	20	20	7.5	7	M6
			7	40	6	21	40	40	20	20	7.5	7	M6
			8	40	7	24	40	40	20	20	7.5	7	M6
Pitch Standard BMAFL BMAFLM BMAFLR	(50 Sq.)	YZ (Side Counterbore)	1	60	0	3	60	50	30	25	7.5	8	M8
			2	60	1	6	60	50	30	25	7.5	8	M8
			3	60	2	9	60	50	30	25	7.5	8	M8
			4	60	3	12	60	50	30	25	7.5	8	M8
			5	60	4	15	60	50	30	25	7.5	8	M8
			6	60	5	18	60	50	30	25	7.5	8	M8
			7	60	6	21	60	50	30	25	7.5	8	M8
			8	60	7	24	60	50	30	25	7.5	8	M8
Pitch Standard BMAFLK BMAFLKP	(60 Sq.)	YN (Side Through)	1	60	0	3	60	60	30	30	7.5	8	M8
			2	60	1	6	60	60	30	30	7.5	8	M8
			3	60	2	9	60	60	30	30	7.5	8	M8
			4	60	3	12	60	60	30	30	7.5	8	M8
			5	60	4	15	60	60	30	30	7.5	8	M8
			6	60	5	18	60	60	30	30	7.5	8	M8
			7	60	6	21	60	60	30	30	7.5	8	M8
			8	60	7	24	60	60	30	30	7.5	8	M8
Pitch Standard BMAL BMALM	(70 Sq.)		1	70	0	3	70	70	40	35	10	10	M8
			2	70	1	6	70	70	40	35	10	10	M8
			3	70	2	9	70	70	40	35	10	10	M8
			4	70	3	12	70	70	40	35	10	10	M8

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.
For Q, R and S, specify 1, 2, 3, 4, 5, 6, 8, 1N, 2N or 3N indicated before ().
Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
For Block Square 50 Type, when 3/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square 35 Type instead.
Select NA, T or ZT for the mounting hole shape of 7 and 8 Circuit Types.

Ordering Example

Part Number: BMAF - Q3 - R2 - S3 - P45

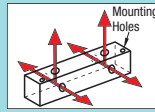
Type: BMAF, Mounting Hole Change: NA, Number of Circuits: 4

Q: 3, R: 2, S: 3, P: 45 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price										Pitch (P) Configurable Unit Price			
	25x32 Sq.	40 Sq.				50 Sq.	60 Sq.	70 Sq.	40 Sq.	50 Sq.	60 Sq.	40 Sq.	50 Sq.	60 Sq.
1	BMAS	BMAFR	BMAFM	BMAFLM	BMAFLR	BMAFLK	BMAL	BMALM	BMAFP	BMAFLP	BMAFLK	BMAFLK	BMAFLK	
2														
3														
4														
5														
6														
7														
8														

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).

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

* 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)

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

Side Mounting Hole Change
Side Counterbore (YZ) Side Through (YN)

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Part Number	Type	Mounting Hole Change	Rc (PT), NPT Selection	Pitch P	Number of Pitches	Total Number of Q, R and S Threads	A	B	E	F	X	Y	Mounting Hole
Pitch Standard BMGFC BMGFCA	(20 Sq.)	T (Tapped)	1	15	0	3	20	20	20	10	5	4	M5
			2	15	1	6	20	20	20	10	5	4	M5
			3	15	2	9	20	20	20	10	5	4	M5
			4	15	3	12	20	20	20	10	5	4	M5
			5	15	4	15	20	20	20	10	5	4	M5
			6	15	5	18	20	20	20	10	5	4	M5
			7	15	6	21	20	20	20	10	5	4	M5
			8	15	7	24	20	20	20	10	5	4	M5
Pitch Standard BMGFL BMGFLA	(40 Sq.)	YN (Side Through)	1	40	0	3	40	50	25	25	8.5	8.5	M8
			2	40	1	6	40	50	25	25	8.5	8.5	M8
			3	40	2	9	40	50	25	25	8.5	8.5	M8
			4	40	3	12	40	50	25	25	8.5	8.5	M8

For the purposes of improved standardization, the 40 sq. type (BMAF, BMAFM, BMAFR, BMAFS, BMAFC and BMAFLP) will be discontinued after September 2022. After the standards are revised, the part numbers will be changed to BMAFA, BMAFMA, BMAFRA, BMAFSA, BMAFCA and BMAFLPA. (E Dimension will change from 20 mm to 25 mm.)

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.
For Q, R and S, 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.
For Block Square 50 Type, when 3/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square 35 Type instead.
Select NA, T or ZT for the mounting hole shape of 7 and 8 Circuit Types.

Ordering Example

Part Number: BMGF - Q2 - R5 - S2 - P50

Type: BMGF, Mounting Hole Change: T, Number of Circuits: 4

Q: 2, R: 5, S: 2, P: 50 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price					Pitch (P) Configurable Unit Price					
	20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.
1	BMGFC	BMGFCA	BMGFK	BMGFL	BMGFCP	BMGFP	BMGFKP	BMGFLA	BMGFCAP	BMGFAP	BMGFKAP
2											
3											
4											
5											
6											
7											
8											