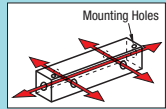


Manifold Blocks - Hydraulic / Pneumatic

Lateral and VERTICAL 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).

Usage	Pitch (P) Standard						Pitch (P) Configurable			Material	Surface Treatment	Max. Operating Pressure	
	30x35 Sq.	40 Sq.	60 Sq.	70 Sq.	30x40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.				60 Sq.
Hydraulic	BMIS	BMIF	BMIFLR	BMIL	-	-	-	BMISP	BMIFP	BMIFLRP	SS400	Trivalent Chromate	20.6MPa≈210kgf/cm ² or less
	-	BMIFR	BMIFRS	-	BMIAF	BMIAL	BMIAF	-	-	-	SUS304		
Pneumatic	-	-	-	-	BMIAFA	-	-	-	-	-	A5052	Clear Anodize	1MPa≈10kgf/cm ² or less
	-	-	-	-	-	-	-	-	-	-	SUS316		

Standard Hole Shape

Mounting Hole Dimension Table:

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.1.20.1-1983(NPT)

Mounting Hole Change

Through Hole (NA)

Tapped Hole (T)

Counterbore Tapped Hole (ZT)

* Drawing for 3 Circuit Type is selected. The total number of R, S, G and K threads is 8.
 Ⓢ Mounting hole shape can be selected freely.
 Ⓢ Standard hole shape is selected when no hole shape modification is specified.
 <L Dimension Calculation> Ex.: For BMIFP3--P35, L=NxP+2E= (Number of Circuits 3 - 1) x 35 + 2 x 35 = 140

Type	Part Number	Rc (PT), NPT, M (Coarse) Selection	Pitch P		Number of Pitches (N)	Total Number of R, S, G and K Threads	A	B	E	F	X	Y	Mounting Hole M	
			Standard	Configurable (mm Increment)										
Hydraulic (30x35 Sq.)	Pitch Standard BMIS	1 (1/8) 2 (1/4)	1 (1/8) 2 (1/4)	-	-	0	4	30	35	30	17.5	17	6	M5
				30	20-50	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Hydraulic (40 Sq.)	Pitch Standard BMIF	1 (1/8) 2 (1/4) 3 (3/8)	2 (1/4) 3 (3/8) 4 (1/2)	-	-	0	4	40	40	35	20	20	7	M6
				40	25-50	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Hydraulic (60 Sq.)	Pitch Standard BMIFLR	2 (1/4) 3 (3/8) 4 (1/2) 6 (3/4)	2 (1/4) 3 (3/8) 4 (1/2) 6 (3/4)	-	-	0	4	60	60	30	30	7.5	8	M8
				60	35-60	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Hydraulic (70 Sq.)	Pitch Standard BMIL	3 (3/8) 4 (1/2) 6 (3/4)	6 (3/4) 8 (1)	-	-	0	4	70	70	40	35	16.5	8	M8
				60	40-60	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Pneumatic (30x40 Sq.)	Pitch Standard BMIAF BMIAFA	1 (1/8) 2 (1/4) 5 (M5) 1N (NPT1/8) 2N (NPT1/4)	1 (1/8) 2 (1/4) 5 (M5) 1N (NPT1/8) 2N (NPT1/4)	-	-	0	4	30	40	20	20	7.5	7	M5
				30	-	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Pneumatic (50 Sq.)	Pitch Standard BMIAL	2 (1/4) 3 (3/8) 4 (1/2)	2 (1/4) 3 (3/8) 4 (1/2)	-	-	0	4	40	50	25	25	8.5	8.5	M8
				40	-	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							
Pneumatic (70 Sq.)	Pitch Standard BMIAF BMIAFA	4 (1/2) 6 (3/4)	4 (1/2) 6 (3/4) 8 (1)	-	-	0	4	60	70	40	35	16.5	8	M8
				60	-	1	6							
				-	-	2	8							
				-	-	3	10							
				-	-	4	12							
				-	-	5	14							

Ⓢ By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMIF) For ordering, see the Ordering Example.
 Ⓢ For R, S, 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.
 Ⓢ Only 6 Circuit Type has an additional mounting hole at the midpoint of the overall length.

Part Number

Type - Mounting Hole Change - Number of Circuits - R - S - G - K - P

BMIAF	ZT	3	R1	S2	G2	K2	
BMIFRP	ZT	3	R2	S1	G2	K2	P25
G-BMIFRP	ZT	3	R2	S1	G2	K2	P25 (G Thread)

No.	Unit Price												
	Usage: Hydraulic						Usage: Pneumatic			Usage: Hydraulic			
	Pitch (P) Standard		Pitch (P) Configurable				Pitch (P) Standard		Pitch (P) Configurable	Pitch (P) Standard		Pitch (P) Configurable	
	30x35 Sq.	40 Sq.	60 Sq.	70 Sq.	30x40 Sq.	50 Sq.	70 Sq.	30x35 Sq.	40 Sq.	60 Sq.			
	BMIS	BMIF	BMIFR	BMIFS	BMIFLR	BMIL	BMIAF	BMIAFA	BMIAL	BMIAF	BMIF	BMIFR	BMIFLR
1													
2													
3													
4													
5													
6													