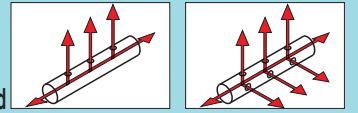


# Aluminum Extrusion Manifolds, Manifolds with Magnets

# Pipe Manifolds

Both Ends Female Thread / One End Male Thread, One End Female Thread / Both Ends Male Thread



For recommended tapered male thread tightening torque, see P.1224.

For recommended tapered male thread tightening torque, see P.1224.

**Aluminum Extrusion Manifolds**

RoHS10

**HFBM**

\*Holes A to E lead to the Ø10.9 hole in the center. However, they do not penetrate to the opposite side.  
\*When B is appended after A ~ E, tap is from the opposite direction.

(Ex.) A15  
AB15

M Material: A6063-T5  
S Surface Treatment: Clear Anodize

The slot is the same size as Aluminum Extrusion 30mm Square (refer to P569)

T Groove Dimension Part A

Part Number Type	No.	H (Number of Holes)	L 1mm Increment	A, B, C, D, E 1mm Increment	Q, R, Rc (PT) Selection	d Rc(PT)	Unit Price/m	Hole Machining Unit Price	
								A, B, C, D, E	Q, R
<b>HFBM</b>	1	0H~5H	50~1000	5~995*	0 (No Tap) 2 (1/4)	1/8			
	2							1/4	

\* Sum up the number of the machined holes for 1H~5H and A~E, AB~EB. (0H indicates no hole.)

Ordering Example: **Part Number** - **H** (Number of Holes) - **L** - **A** - **B** - **C** - **D** - **E** - **Q** - **R**

**HFBM2** - 5H - 180 - A30 - B60 - C90 - D120 - E150 - Q2 - R2

Unit Price/m x Specified Full Length + Hole Machining Charge = Sales Unit Price  
ex:HFBM2-3H-800-A100-B200-C300

**Manifolds with Magnets**

RoHS10

**MGM**

(Max. Operating Pressure: 0.7MPa=7kgf/cm<sup>2</sup> or less)

Neodymium Magnet (Nickel Plating)

M Material: S45C  
S Surface Treatment: Electroless Nickel Plating, Heat Resistant Temperature: 80°C

2-d Through  
Ø: Counterbore Depth h

Part Number Type	D	P Rc(PT),M	H	H <sub>1</sub>	P.C.D.	D <sub>1</sub>	t	d	d <sub>1</sub>	h	Attraction Force N (kgf)	Surface Magnetic Flux Density Gauss (G)	Unit Price
40	1/8	20	11	28	18.5	3.0	4.5	8.0	4.5	98.1 {10}	3400~3600		
50	1/4	25	14	36	23.0	3.0	5.5	9.5	4.5	196.1 {20}	3400~3600		

Ordering Example: **Part Number** **MGM32**

Hole Direction	Type			Material	Surface Treatment
	Both Ends Female Thread	One End Male Thread One End Female Thread	Both Ends Male Thread		
1 Way	PMF	PMMF	-	STPT370	Trivalent Chromate
	PMFS	PMMFS	-	SUS304TP	-
2 Way 90°	PMFL	-	PMML	STPT370	Trivalent Chromate
	PMFSL	PMMFSL	PMMSL	SUS304TP	-
2 Way 180°	PMFT	-	-	STPT370	Trivalent Chromate
	PMFST	-	-	SUS304TP	-

Thread: JIS B0203 (PT)  
Max. Operating Pressure (No.1, 1S, 2): 20.6MPa=210kgf/cm<sup>2</sup> or less  
(No.5) 0.7MPa=7kgf/cm<sup>2</sup> or less

**• Both Ends Female Thread**

1 Way

2 Way 90° Type

2 Way 180° Type

**• One End Male Thread One End Female Thread**

1 Way

2 Way 90° Type

**• Both Ends Male Thread**

2 Way 90° Type

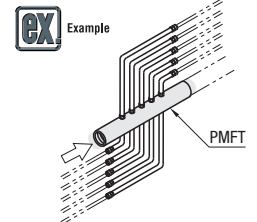
d1 Rc (PT) end face of thread is chamfered.

Part Number Type	No.	Number of Side Tapped Holes H	Pitch P 1mm Increment	S, Q 1mm Increment	d1 Rc(PT)	d2 R/Rc(PT)	D	d
1 Way PMF PMFS	1	*1~12	30~50	35~80	1/8	1 1/4	48.6	34.4
	1S					1/2		16.2
2 Way 90° Type PMFL PMFSL	2				1/4	1 1/4	48.6	34.4
	5				M5	1/2	27.2	16.2

\* When H (the number of side tapped holes) is 1, Pitch P specification is not required. (For the 2 Way Type (90° & 180°), the number of side tapped holes is Hx2.)

Ordering Example: **Part Number** - **H** (Number of Holes) - **P** - **S** - **Q**

PMF1 - 1 - P30 - S40 - Q50  
 PMML1 - 12 - P40 - S35 - Q35  
 PMMF2 - 5 - P40 - S35 - Q40



No.	Unit Price											
	1 Way Type						2 Way Type (90° & 180°)					
	Body Material: STPT370			Body Material: SUS304TP			Body Material: STPT370			Body Material: SUS304TP		
	H1, 2	H3, 4	H5, 6	H7, 8	H9, 10	H11, 12	H1, 2	H3, 4	H5, 6	H7, 8	H9, 10	H11, 12
1												
1S												
2												
5												