

Rotary Manifolds

Economy Type

RoHS 10 **BMRTY**

Number of Circuits 2

Number of Circuits 4

Plugs are not included. Use MPLGN on P1308.

Part Number Type	Circuits	Allowable Rotational Speed (min ⁻¹)	Rotational Torque (N·m)	Mass (g)	Unit Price 1~5 pc (s).
BMRTY	2	350	0.07	65	
	4		0.08	85	

Leakage Test: 0 Leakage at 100 Revolutions/min, Ambient Temp. (The indicated values are measured values, not guaranteed values.)
 For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number BMRTY4 - Days to Ship: Configure Online

- Feature**
- Can be used for plumbing on rotary parts such as index tables.
 - Smooth rotation with low leakage is achieved by applying the low friction seal.
 - Each circuit is separated, which stabilizes the flow rate.

Precautions for Use

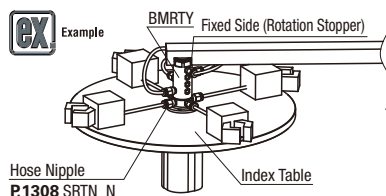
Use clean air preconditioned with dryer or filter. (Do not use synthetic oil containing chemical and organic solvent, air containing salt and corrosive gas. They may cause damage and malfunction.)

Installation Method

The upper portion of the fixed side should have a rotation stopping measure designed to fit the equipment, and the floating condition should be ensured. Excessive load to the rotating side shaft may cause damages and air leakage.

Specifications

Applicable Fluid	Compressed Air
Operating Ambient Temperature	5~70°C
Rotating Angle	Endless
Operating Pressure Range	0~0.7MPa



Upper part rotates when the bottom part (flange) is fixed. Upper part can be used as the rotating section.

Structure Diagram

No.	Part Name	Material	Surface Treatment
1	Main Body	2017 Aluminum Alloy	Clear Anodize
2	Casing	2017 Aluminum Alloy	Clear Anodize
3	Seal	Nitrile Rubber	-
4	Collar	Polyacetal	-
5	Plug	Stainless Steel-VMT	-
6	Ret. Ring	304 Stainless Steel	-

Rotary Manifolds

High Performance Type

RoHS 10 **BMRTN**

Number of Circuits 4

Number of Circuits 6

Number of Circuits 8

Part Number Type	Circuits	Nominal Thread Size M	L	Dn7	T	A	B	E	P	d	P.C.D	d1H9	d2	F	H	S	Allowable Rotational Speed (min ⁻¹)	Rotational Torque (N·m)	Minimum Sectional Area (mm ²)	Accessories Plug (Size x Quantity)	Allowable Leak Amount * (cm ³ /min)	Mass (g)	Unit Price 1~3 pc (s).	
BMRTN	4	M5	M5x0.8 Depth 5	72	45	10	15	12.5	10		36			16	24	26	350	0.05	4.9	M5x 3 pcs.	11	110		
		1	Rc1/8	94	60	12.5	20.5	15.5	13.5	49	49			22.5	35	38	240	0.07	12.5	R1/8x 3 pcs.	13	280		
	6	M5	M5x0.8 Depth 5	93.5	53	4	10	15	13	10	4.5	3	Depth 3	4	20.5	32	34	240	0.12	4.9	M5x 5 pcs.	13	160	
		1	Rc1/8	122.5	70	12.5	20.5	17.5	13.5	58	58			27	41	44	170	0.17	12.5	R1/8x 5 pcs.	15	500		
	8	M5	M5x0.8 Depth 5	118	60	11	16	16	10			49			22.5	36	38	200	0.2	4.9	M5x 6 pcs.	15	380	
		1	Rc1/8	156	80	7	16	24	17.5	13.5	5.5	67	4	Depth 4	5	31	46	48	140	0.4	12.5	R1/8x 6 pcs.	16	900

* Allowable leak amount is the value at factory shipment. For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number BMRTN4 - Nominal M5

Days to Ship: Configure Online

- Feature**
- Can be used for plumbing on rotary parts such as index tables.
 - Bearing is embedded to achieve high rigidity and rotation with low friction.
 - Seal portion has a low friction seal structure that ensures low leakage.

Precautions for Use

Use clean air preconditioned with dryer or filter. (Do not use synthetic oil containing chemical and organic solvent, air containing salt and corrosive gas. They may cause damage and malfunction.)

Installation Method

The upper portion of the fixed side should have a rotation stopping measure designed to fit the equipment, and the floating condition should be ensured. Excessive load to the rotating side shaft may cause damages and air leakage.

Specifications

Applicable Fluid	Oil Free Air
Operating Ambient Temperature	5~60°C
Rotating Angle	Endless
Operating Pressure Range	-100kPa~0.7MPa *

*Cannot retain vacuum.

Structure Diagram

No.	Part Name	Material
1	Mounting Flange	Aluminum Alloy
2	Fixed Side Body Cover	Stainless Steel
3	Bearing Holder	Stainless Steel
4	Gasket	Nitrile Rubber
5	Fixed Side	Aluminum Alloy
6	Rotating Side	Aluminum Alloy
7	Seal	Nitrile Rubber
8	Bearing	Bearing Steel
9	Dowel Pin	Bearing Steel
10	Plug	M5: Brass R1/8: Stainless Steel

