

# Rotary Manifolds

## Economy Type

# Rotary Manifolds

## High Performance Type

**BMRTY**

**Number of Circuits 2**

**Number of Circuits 4**

Plugs are not included. Use MPLGN on P1398.

RoHS 10

Part Number Type	Number of Circuits	Allowable Rotational Speed (min <sup>-1</sup> )	Rotational Torque (N·m)	Minimum Sectional Area (mm <sup>2</sup> )	Mass (g)	Unit Price 1 ~ 5 pc(s).
BMRTY	2	350	0.07	8.55	65	
	4		0.08		85	

Leakage Test: 0 Leakage at 100 Revolutions/min, and in Ambient Temp. (The indicated values are measured values, not guaranteed values.)  
 For orders larger than indicated quantity, please check with WOS.

Ordering Example Part Number BMRTY4

### Features

- 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

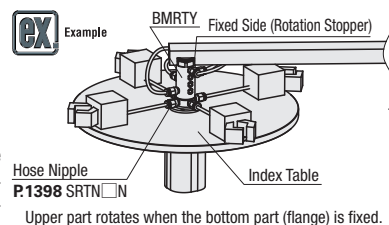
Use clean air preconditioned with dryer or filter. (Do not use synthetic oil containing chemical and organic solvent, or air containing salt and corrosive gas. They may cause damage and malfunction.)

### Installation Method

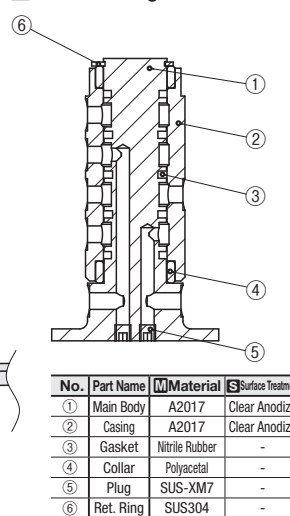
The upper portion of the fixed side should have a rotation stopping measure designed to fit the equipment, and the floating condition should be ensured. Excessive load to the rotating side shaft may cause damages and air leakage.

### Specifications

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



### Structure Diagram



**BMRTN**

**Number of Circuits 4**

**Number of Circuits 6**

**Number of Circuits 8**

RoHS 10

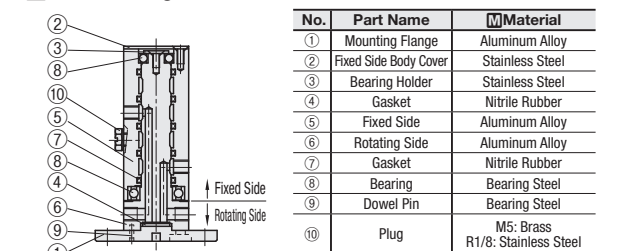
Part Number Type	Number of Circuits	Nominal Thread Size M	L	Dn7	T	A	B	E	P	d	P.C.D	d1H9	d2	F	H	S	Allowable Rotational Speed (min <sup>-1</sup> )	Rotational Torque (N·m)	Minimum Sectional Area (mm <sup>2</sup> )	Accessory Plug (Size x Quantity)	Allowable Leak Amount* (cm <sup>3</sup> /min)	Mass (g)	Unit 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	M5x3 pcs.	11	110		
		1	Rc1/8	94	60	12.5	20.5	15.5	13.5	49				22.5	35	38	240	0.07	12.5	R1/8x3 pcs.	13	280		
	6	M5	M5x0.8 Depth 5	93.5	53	4	10	15	13	10	4.5	45	3 Depth 3	4	20.5	32	34	240	0.12	4.9	M5x5 pcs.	13	160	
		1	Rc1/8	122.5	70	12.5	20.5	17.5	13.5	58				27	41	44	170	0.17	12.5	R1/8x5 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	M5x6 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	R1/8x6 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 - Nominal BMRTN4 - M5

### Structure Diagram



### Features

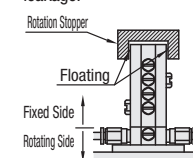
- Can be used for plumbing on rotary parts such as index tables.
- Bearing is embedded to achieve high rigidity and rotation with low friction.
- Seal portion has a low friction gasket structure that ensures low air leakage.

### Precautions for Use

Use clean air preconditioned with dryer or filter. (Do not use synthetic oil containing chemical and organic solvent, or 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.

Example

