

Rotary Manifolds

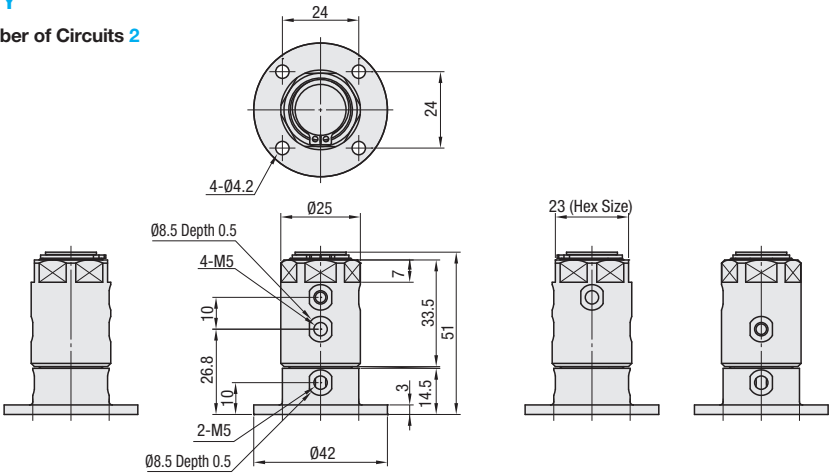
Economy Type

Rotary Manifolds

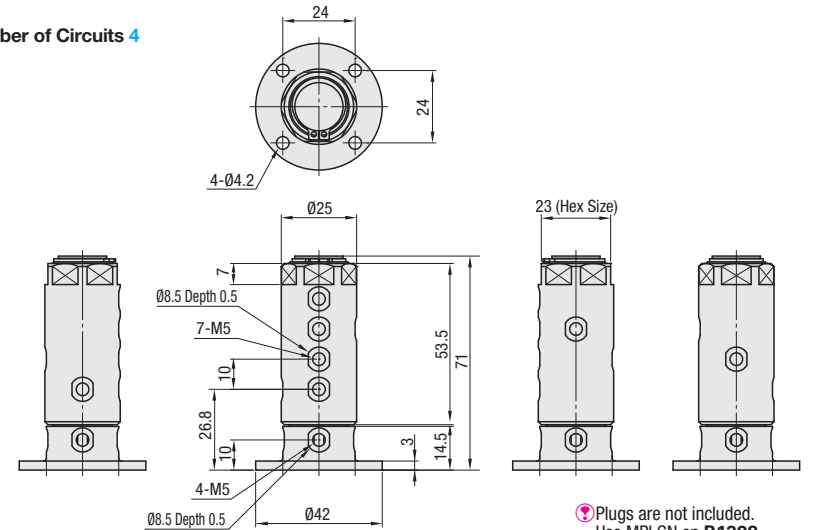
High Performance Type

BMRTY

Number of Circuits 2



Number of Circuits 4



Plugs are not included.
Use MPLGN on P1398.

Part Number	Allowable Rotational Speed	Rotational Torque	Minimum Sectional Area	Mass (g)	Unit Price
Type	Number of Circuits	(min ⁻¹)	(N · m)	(mm ²)	1 ~ 5 pc(s).
BMRTY	2	350	0.07	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.)

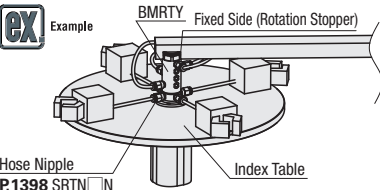
Installation Method

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.

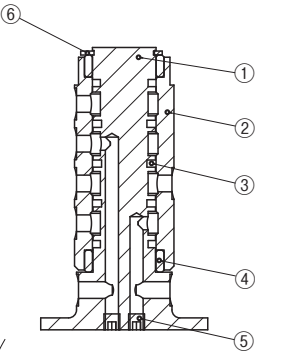
Specifications

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

Example
BMRTY Fixed Side (Rotation Stopper)



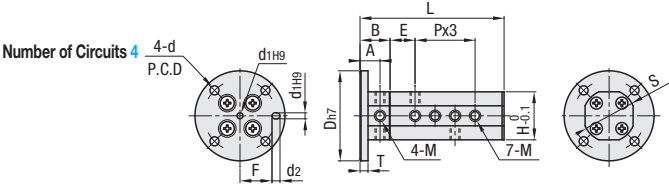
Structure Diagram



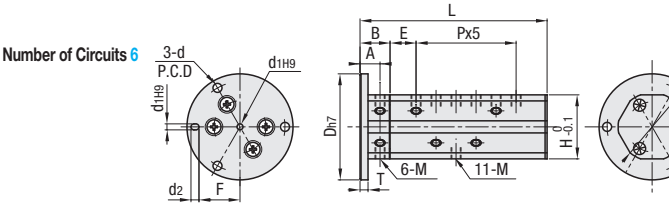
No.	Part Name	Material	Surface Treatment
①	Main Body	EN AW-2017 Equiv.	Clear Anodize
②	Casing	EN AW-2017 Equiv.	Clear Anodize
③	Gasket	Nitrile Rubber	-
④	Collar	Polycetal	-
⑤	Plug	SUS-XM7	-
⑥	Ret. Ring	EN 1.4301 Equiv.	-

BMRTN

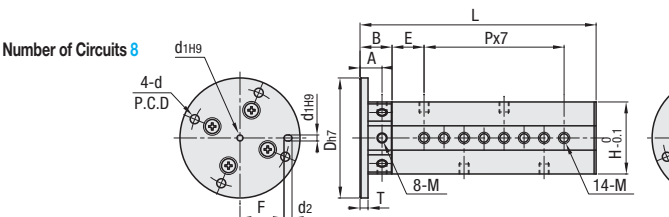
Number of Circuits 4



Number of Circuits 6



Number of Circuits 8



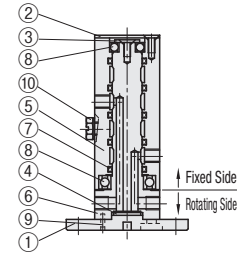
Part Number Type	Number of Cuts	Nominal	Thread Size M	L	Dn7	T	A	B	E	P	d	P.C.D	d1H9	d2	F	H	S	Allowable Rotational Speed (min ⁻¹)	Rotational Torque (N · m)	Minimum Sectional Area (mm ²)	Accessory Plug (Size x Quantity)	Allowable Leak Amount * (cm ³ /min)	Mass (g)	Unit Price 1 ~ 3 pcs(.
BMRTN	4	M5	M5x0.8 Depth 5	72	45		10	15	12.5	10		36	3 Depth 3	4	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			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

* Allowable leak amount is the value at factory shipment.

For orders larger than indicated quantity, please request a quotation.

Ordering Example
Part Number
BMRTN4 - M5

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	Gasket	Nitrile Rubber
⑧	Bearing	Bearing Steel
⑨	Dowel Pin	Bearing Steel
⑩	Plug	M5: Brass R1/8: Stainless Steel

Features

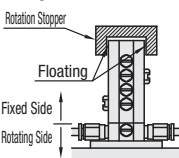
- Can be used for plumbing on rotary parts such as index tables.
- Bearing is embedded to achieve high rigidity and rotation with low friction.
- Seal portion has a low friction gasket structure that ensures low air leakage.

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

