



Rotary fitting

RJF Series

- Port size: M5, Rc1/8

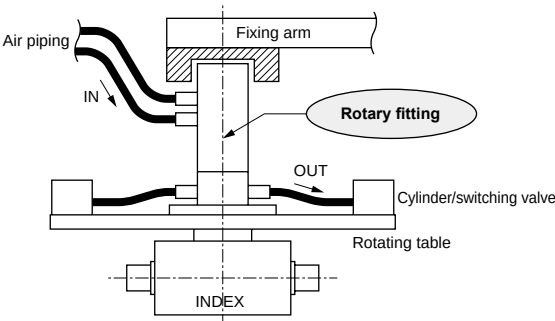


Features

- Built-in bearing for high rigidity/low sliding resistance
- Ample lineup includes 4/6/8/12/16 circuits.
- Space saving type is available for 12/16 circuits.
- M5 and Rc 1/8 port sizes are available.
(Number of circuits: 4/6/8)

Applications

This fitting supplies compressed air to the air cylinder for rotary shaft parts such as indexing table, rotary table or rotary drum, and for air blowing or changeover valves.

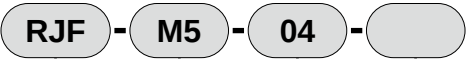


Specifications

Item	RJF-M5-04	RJF-6A-04	RJF-M5-06	RJF-6A-06	RJF-M5-08	RJF-6A-08	RJF-M5-12	RJF-M5-16	RJF-M5-12-S	RJF-M5-16-S
Working fluid	Compressed air									
Working pressure	-100 kPa (≈15 psi, -1 bar) (*1) to 0.7 MPa (≈100 psi, 7 bar)									
Ambient temperature °C	5 (41°F) to 60 (140°F)									
Number of circuits	4		6		8		12	16	12	16
Port size	M5	Rc1/8	M5	Rc1/8	M5	Rc1/8	M5	M5	M5	M5
Tolerable rotation rate (*2) min ⁻¹	350	240	240	170	200	140	175	155	100	90
Rotation resistance N·m	0.05	0.07	0.12	0.17	0.2	0.4	0.85	1.5	0.85	1.3
Min. air port sectional area mm ²	4.9	12.5	4.9	12.5	4.9	12.5	4.9	4.9	4.9	4.9
Weight Kg	0.11	0.28	0.16	0.50	0.38	0.90	0.70	1.30	0.93	1.23

*1: Vacuum cannot be retained.
*2: Number of rotations per minute.

How to order



Model No.

● A Port size

● B Number of circuits

● C Shape

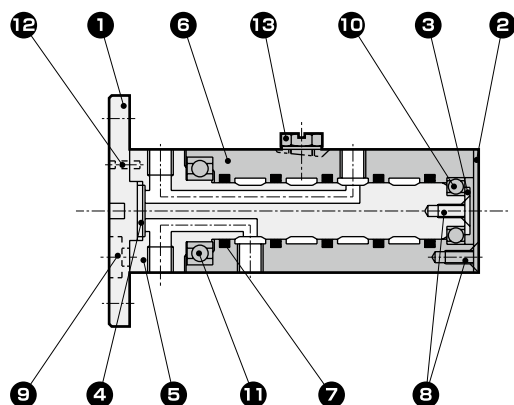
Code	Description
A Port size	
M5	M5
6A *1	Rc1/8
B Number of circuits	
04	4 pcs.
06	6 pcs.
08	8 pcs.
12	12 pcs.
16	16 pcs.
C Shape	
Blank	Basic
S *2	Space saving structure

*1: Only for 04/06/08 number of circuits.
*2: Only for 12/16 number of circuits.

Internal structure and parts list

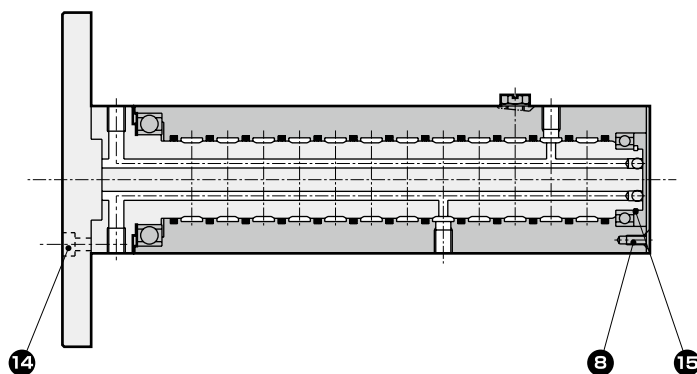
● RJF-M5-04

06
08
6A-04
06
08



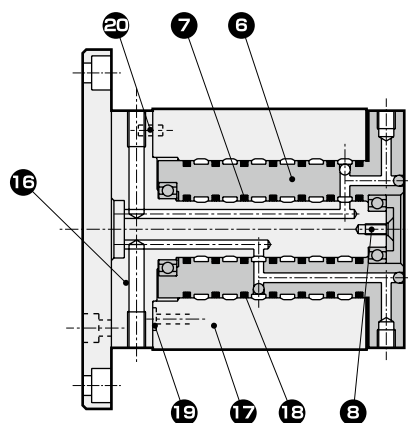
● RJF-M5-12

16



● RJF-M5-12-S

16-S



Parts list

No.	Part name	Material	No.	Part name	Material
1	Mounting flange	Aluminum alloy	11	Single row deep groove ball bearing	Steel bearing
2	Fixed side body lid	Stainless steel	12	Parallel pin	Steel bearing
3	Bearing holder	Stainless steel	13	Plug	Copper alloy, stainless steel
4	Gasket	Nitrile rubber	14	Hexagon socket head cap screw	Stainless steel
5	Rotating side body	Aluminum alloy	15	C type snap ring	Stainless steel
6	Fixed side body	Aluminum alloy	16	Rotating side body 1	Aluminum alloy
7	Packing	Nitrile rubber	17	Rotating side body 2	Aluminum alloy
8	Cross-recessed flat head machine screw	Stainless steel	18	Packing	Nitrile rubber
9	Truss machine screw	Stainless steel	19	Gasket	Nitrile rubber
10	Single row deep groove ball bearing	Steel bearing	20	Parallel pin	Steel bearing

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.

Dimensions (basic)



F.R.

● RJF-M5-04

F (Filtr)

R (Reg)

L (Lub)

Drain Separ

Mech Press SW

Res press

exh valve

SlowStart

Anti-bac/Bac-

remove Filtr

Film

Resist FR

Oil-ProhR

Med Press FR

No Cu/ PTFE FRL

Outdrs FRL

Adapter Joiner

Press Gauge

CompFRL

LgFRL

PrecsR

VacF/R

Clean FR

ElecPneuR

AirBoost

Speed Ctrl

Silncr

CheckV/ other

Fit/Tube

Nozzle

Air Unit

PrecsCompn

Electro Press SW

ContactSW

AirSens

PresSW Cool

Air Flo Sens/Ctrl

WaterRtSens

TotAirSys (Total Air)

TotAirSys (Gamma)

Gas generator

RefrDry

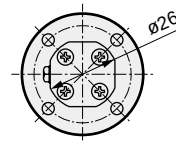
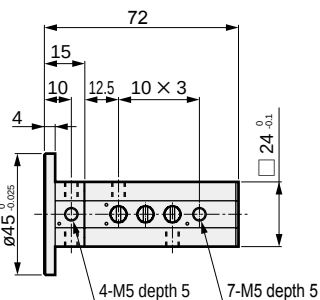
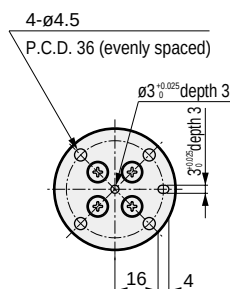
DesicDry

HiPolymDry

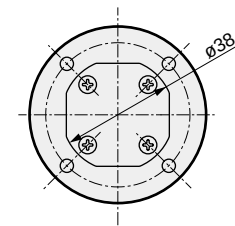
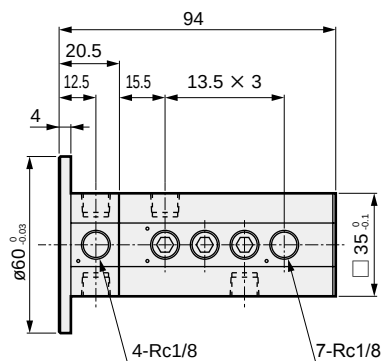
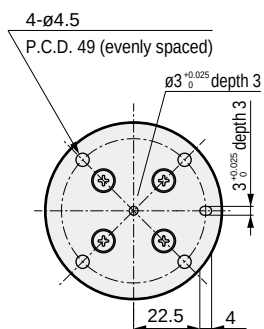
MainFiltr

Dischrg etc

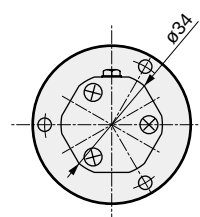
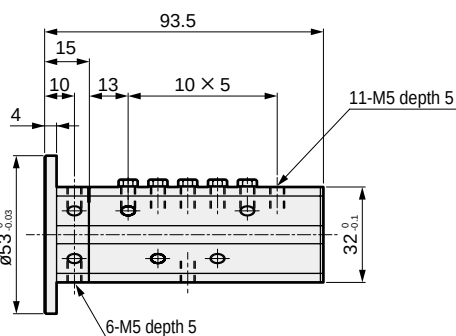
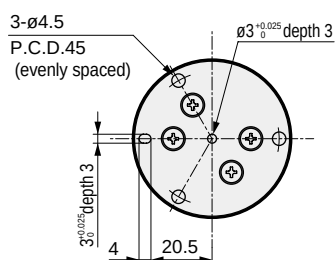
Ending



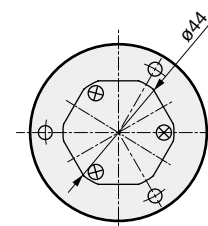
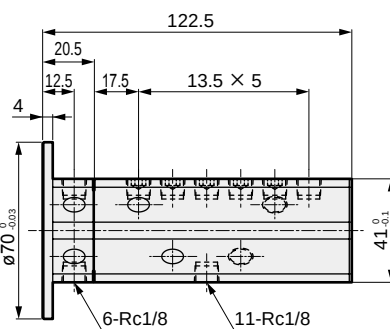
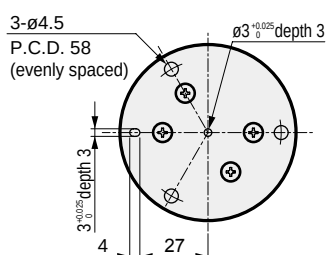
● RJF-6A-04



● RJF-M5-06



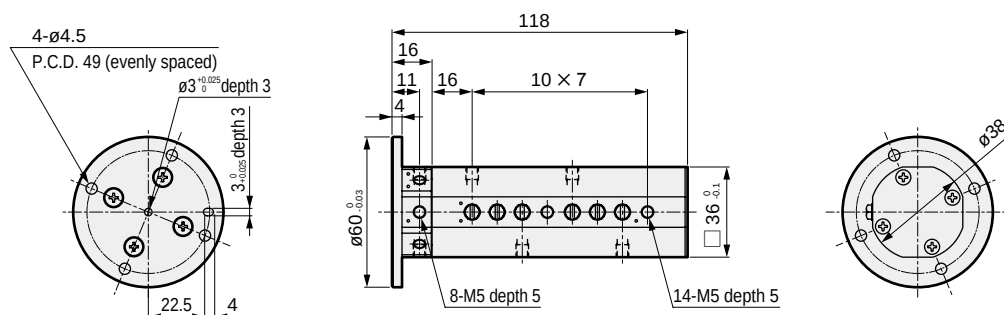
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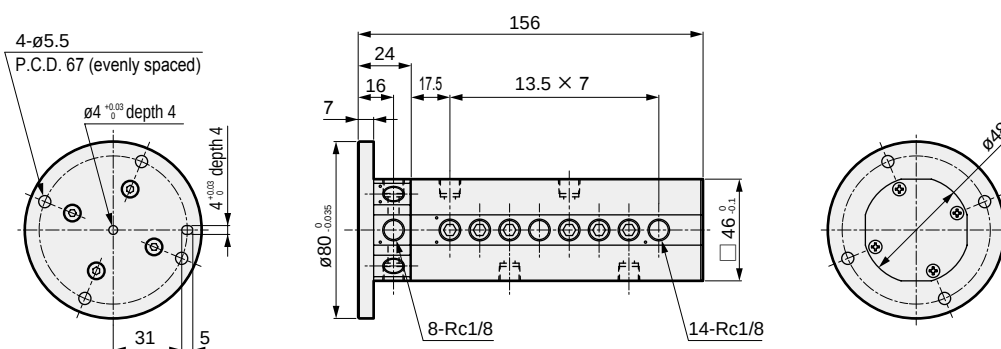
Dimensions (basic)



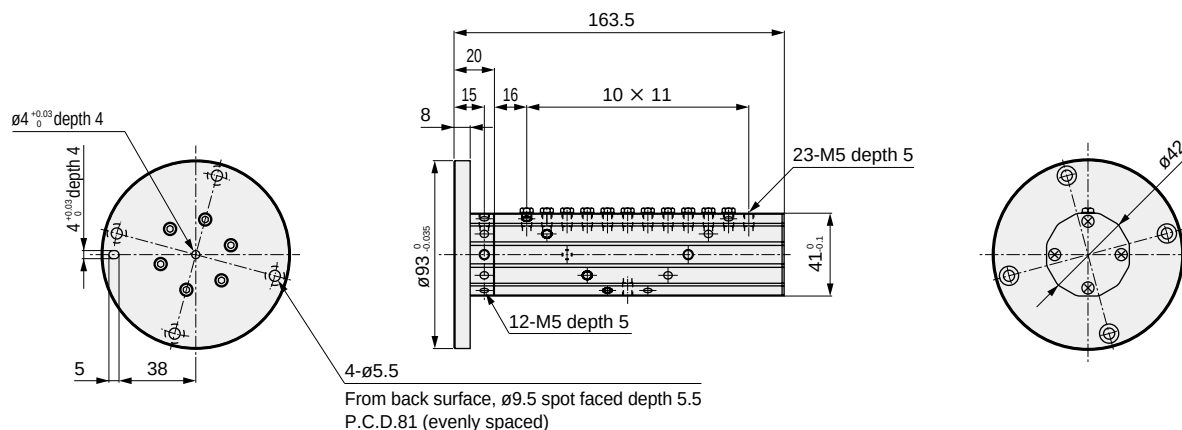
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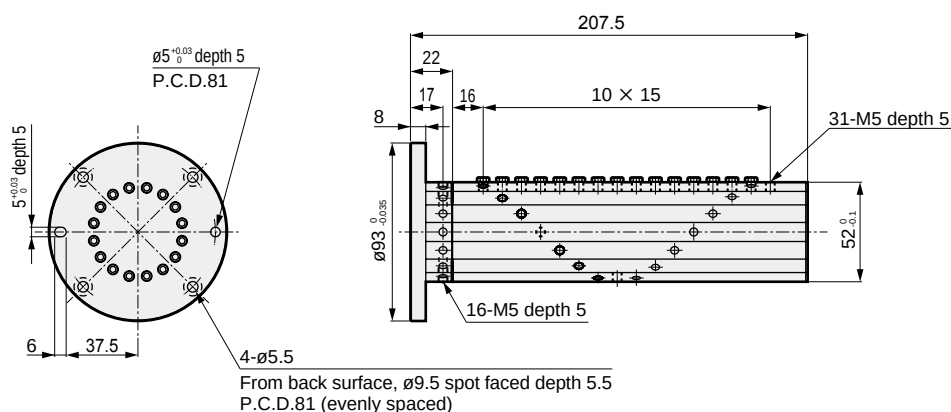
● RJF-6A-08



● RJF-M5-12



● RJF-M5-16



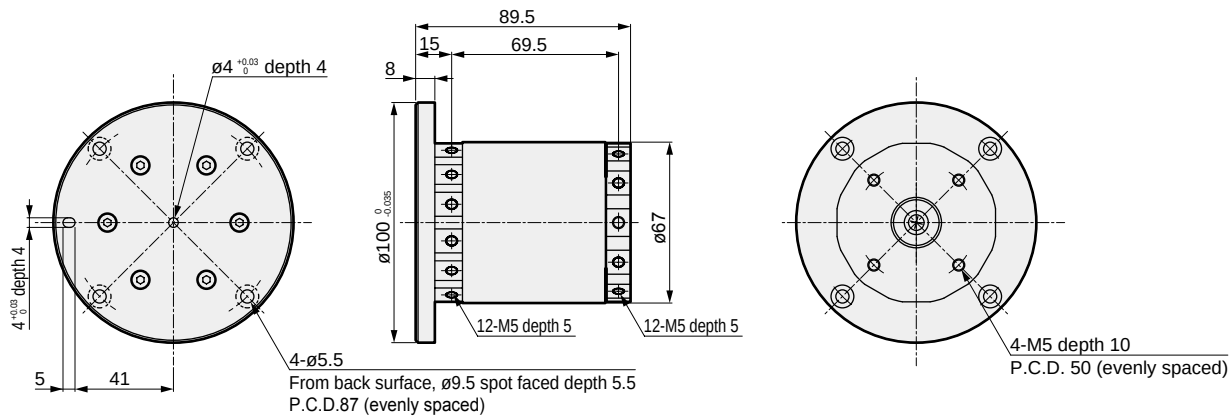
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HiPolymDry
MainFiltr
Dischrg etc
Ending

Dimensions (space saving structure)



● RJF-M5-12-S



● RJF-M5-16-S

