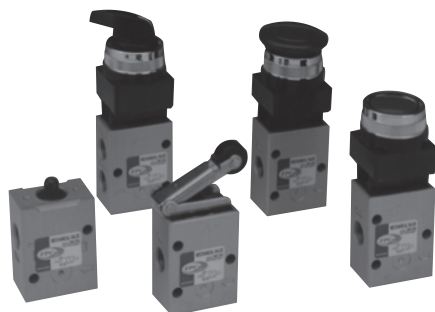


Series **DM**

3 · 5 Port Mechanical Valves



- VARIOUS ACTUATORS AVAILABLE
- EASY TO INTERCHANGE ACTUATOR ASSEMBLIES

Specifications

Body Type	DM230	DM330	DM450	DM550
Fluid	Air			
Operating Pressure Range	0~7kgf/cm ² (0~99.57psi)		1.5~7kgf/cm ² (21.34~7psi)	
Effective Orifice mm ² (Ov)	11.0(0.6)	19.0(1.0)	14.0(0.7)	19.0(1.0)
Lubrication	Not Required			
Port Size	Rc(PT)1/8	Rc(PT)1/4	Rc(PT)1/8	Rc(PT)1/4
Weight g(ozs)	88(3.1)	125(4.4)	163(5.75)	191(6.74)
Actuator	Basic Type, Roller Plunger, Roller, Push Button(Mushroom), Push Button(Flush), Selector			
Symbol				

How To Order

DM 2 30 — ○ — 01 B —

1 2 3 4 5 6 7

1 Mechanical Valve

2 Body Type / Size

- 2 : B Type
- 3 : C Type
- 4 : D Type
- 5 : E Type

3 Type of Actuation

- 30 : 2 Position 3 Port N.O./N.C.
- 50 : 2 Position 5 Port

4 Mounting

- Blank : Standard
- *B : Bracket
- *Bracket Part No
- DM450 Series : DM-4B
- DM550 Series : DM-5B

5 Port Size

- 01 : 1/8
- 02 : 1/4

6 Actuator

- B : Basic Type

- R : Roller Plunger
- RB : Roller Bearing Type
- E : Push Button(Mushroom)
- R2 : One Way Roller
- RB2 : One Way Roller Bearing Type
- P : Push Button(Flush)
- S : Selector

7 Actuator's Color(switch)

- Blank : Red
- G : Green
- B : Black

B TYPE	C TYPE	D TYPE	E TYPE
<p>3 Ways</p>		<p>5 Ways</p>	

inch(mm)

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

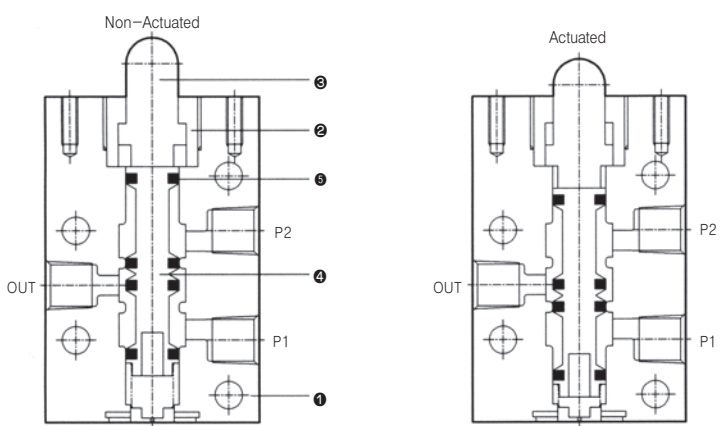
DH

DP300
DP3000
DP5000

DM

DT220

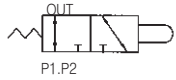
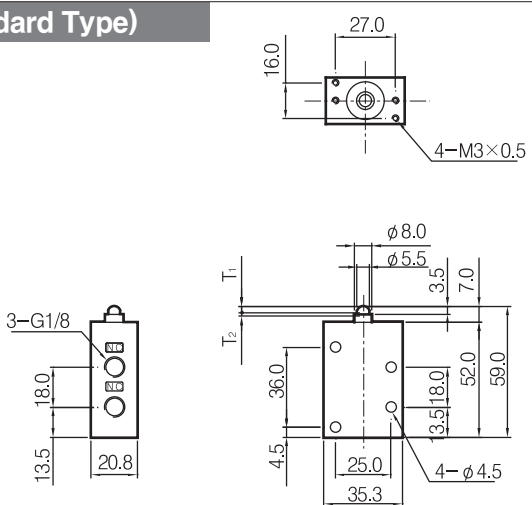
DM230 Construction/Parts List



No.	Description	Material
①	Body	A l DC
②	Housing	C3604
③	Button	POM
④	Spool	A l
⑤	Spool Packing	NBR

DM230-01B(Standard Type)

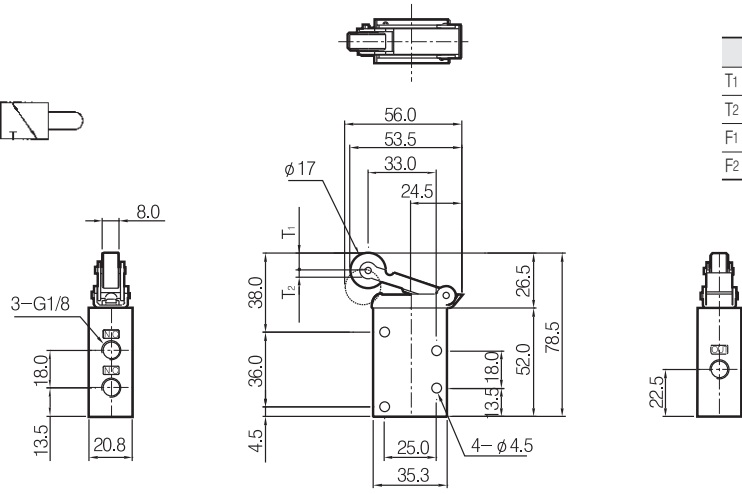
Symbol



Specifications		
T1	Effective Moving Area	3.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

DM230-01R(Roller Type)/ DM230-01RB(Roller Bearing Type)

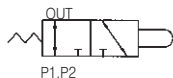
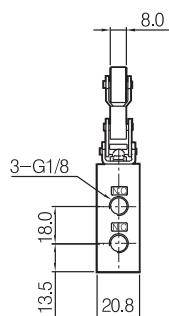
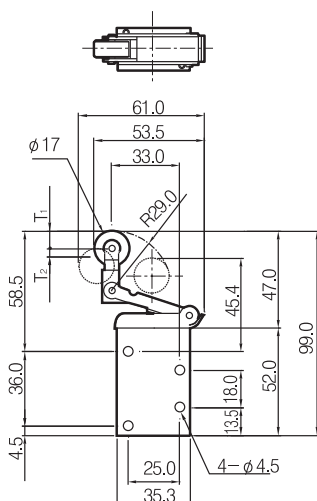
Symbol



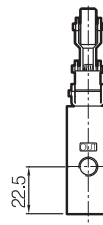
Specifications		
T1	Effective Moving Area	8.0mm
T2	Non-Effective Moving Area	3.0mm
F1	Able to Withstand the Weight	2.0kg
F2	Unable to Withstand the Weight	

DM230-01R2(One Way Roller Type) / DM230-01R2B(One Way Roller Bearing Type)

Symbol

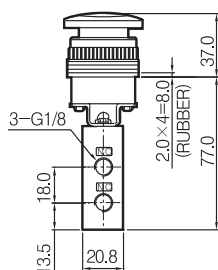
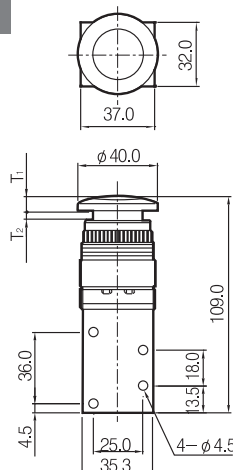
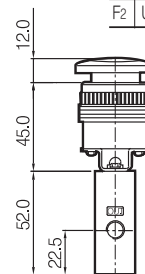


Specifications		
T1	Effective Moving Area	9.0mm
T2	Non-Effective Moving Area	3.5mm
F1	Able to Withstand the Weight	2.0kg
F2	Unable to Withstand the Weight	



DM230-01E(Mushroom Button Type)

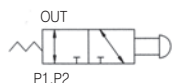
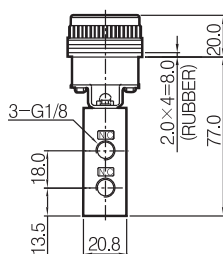
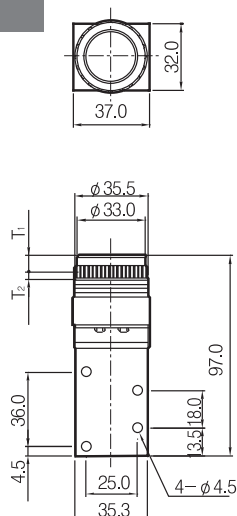
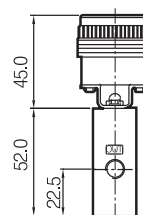
Symbol



Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

DM230-01P(Push Button Type)

Symbol



Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

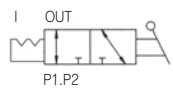
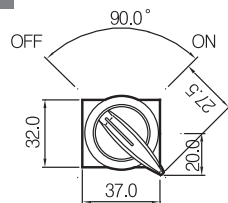
DP300
DP3000
DP5000

DM

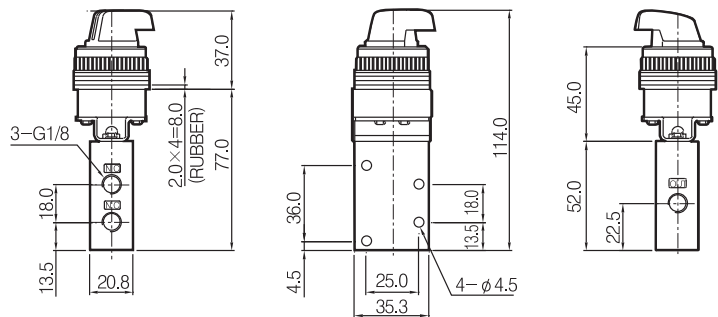
DT220

DM230-01S(Twist Selector Type)

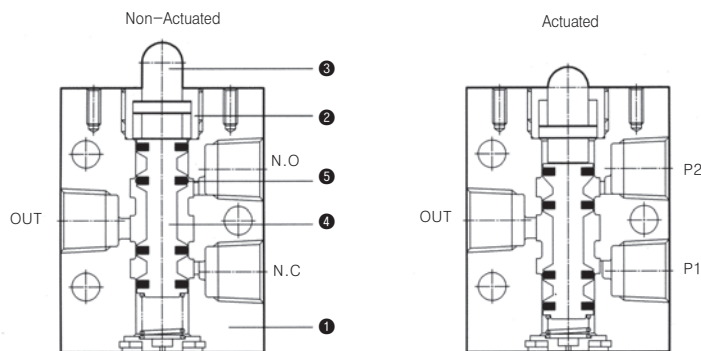
Symbol



Specifications		
T1	Effective Moving Area	3.6mm
T2	Non-Effective Moving Area	
F1	Able to Withstand the Weight	2.5kg
F2	Unable to Withstand the Weight	



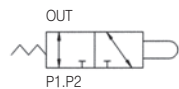
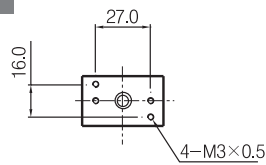
DM330/Construction/Parts List



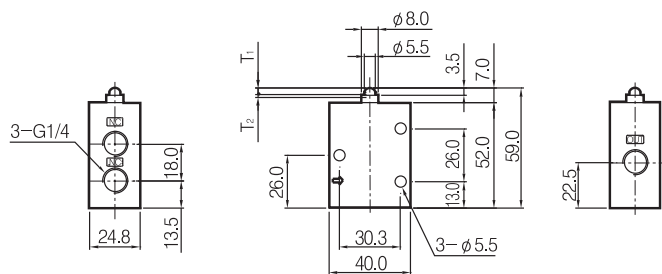
NO.	Description	Material
①	Body	A l DC
②	Housing	C3604
③	Button	POM
④	Spool	A2011
⑤	Spool Packing	NBR

DM330-02B(Standard Type)

Symbol

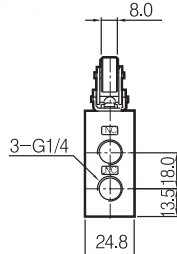
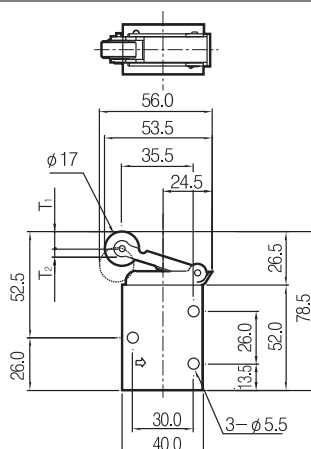
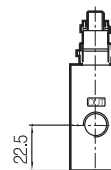


Specifications		
T1	Effective Moving Area	3.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	



DM330-02R(Roller Type)/DM330-02RB(Roller Bearing Type)

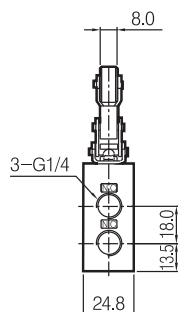
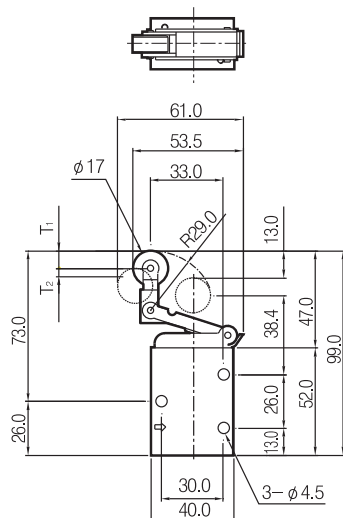
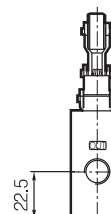
Symbol



Specifications		
T1	Effective Moving Area	8.0mm
T2	Non-Effective Moving Area	3.0mm
F1	Able to Withstand the Weight	2.0kg
F2	Unable to Withstand the Weight	

DM330-02R2(Only Way Roller Type) / DM330-02R2B(Only Way Roller Bearing Type)

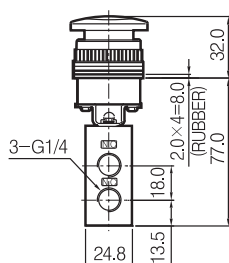
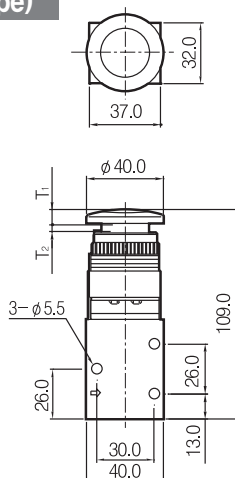
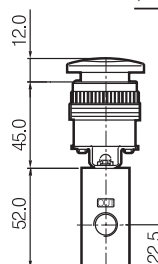
Symbol



Specifications		
T1	Effective Moving Area	9.0mm
T2	Non-Effective Moving Area	3.5mm
F1	Able to Withstand the Weight	2.0kg
F2	Unable to Withstand the Weight	

DM330-02E(Mushroom Button Type)

Symbol



Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

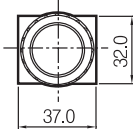
DM

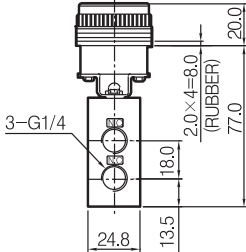
DT220

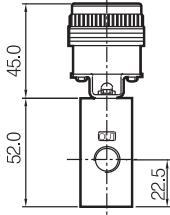
DM330-02P(Push Button Type)

Symbol







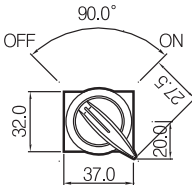


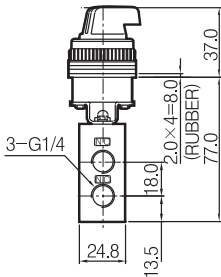
Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

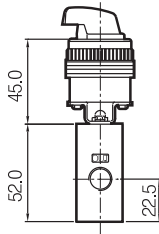
DM330-02S(Twist Selector Type)

Symbol



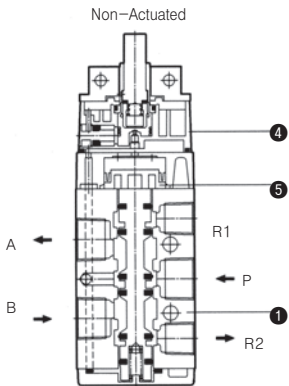


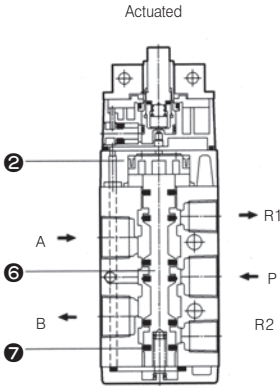




Specifications		
T1	Effective Moving Area	3.6mm
T2	Non-Effective Moving Area	
F1	Able to Withstand the Weight	2.5kg
F2	Unable to Withstand the Weight	

DM450/Construction/Parts List

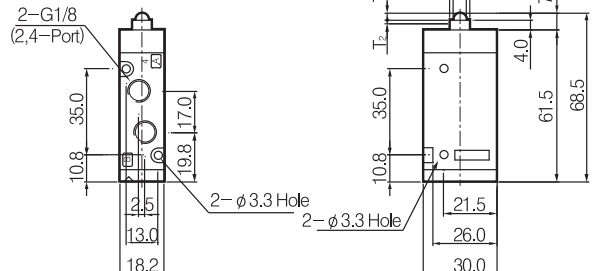




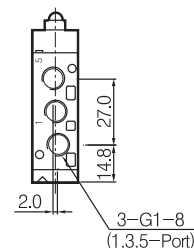
NO.	Description	Material
①	Body	A l DC
②	Semi Pilot	ZADC
③	Cap	ZnDC
④	Pilot	ZnDC
⑤	Piston	PBT
⑥	Spool	A2011
⑦	Spool Packing	NBR

DM450-01B (Standard Type)

Symbol

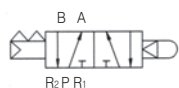
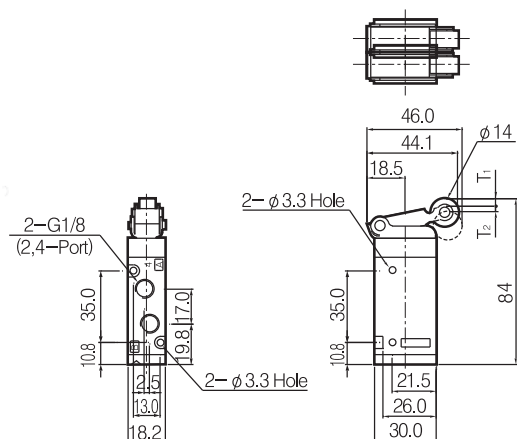


Specifications		
T1	Effective Moving Area	3.0mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	2.5kg
F2	Unable to Withstand the Weight	

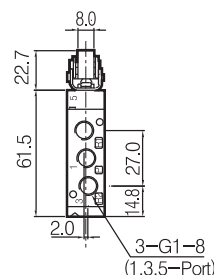


DM450-01R(Roller Type)/DM450-01RB(Roller Bearing Type)

Symbol

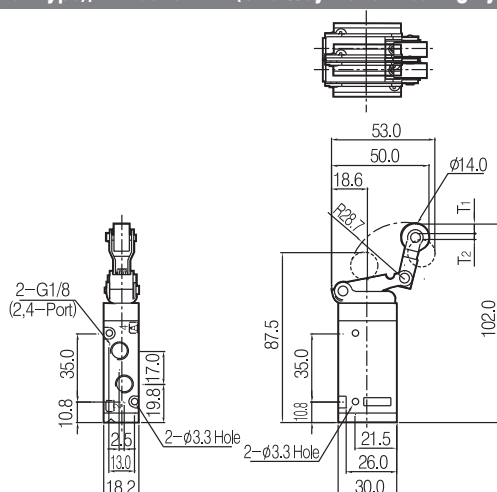


Specifications		
T1	Effective Moving Area	8.5mm
T2	Non-Effective Moving Area	2.0mm
F1	Able to Withstand the Weight	1.5kg
F2	Unable to Withstand the Weight	

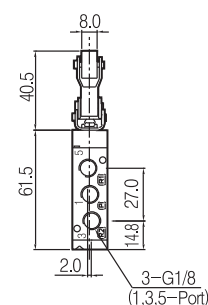


DM450-01R2(One Way Roller Type)/DM450-01R2B(One Way Roller Bearing Type)

Symbol



Specifications		
T1	Effective Moving Area	9.5mm
T2	Non-Effective Moving Area	2.0mm
F1	Able to Withstand the Weight	1.5kg
F2	Unable to Withstand the Weight	



DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

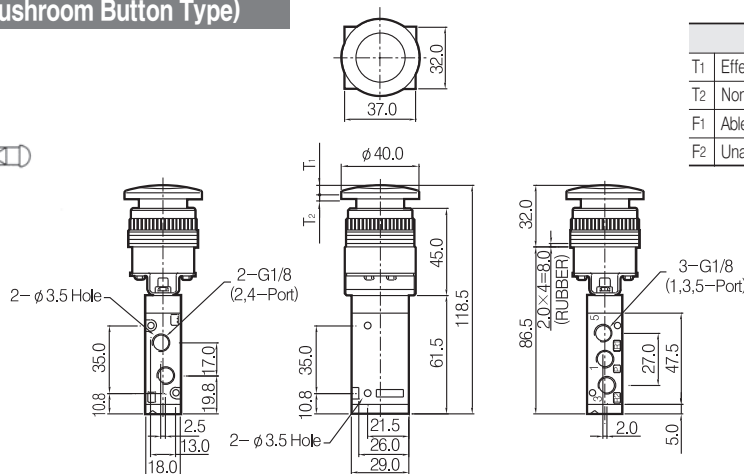
DP300
DP3000
DP5000

DM

DT220

DM450-01E(Mushroom Button Type)

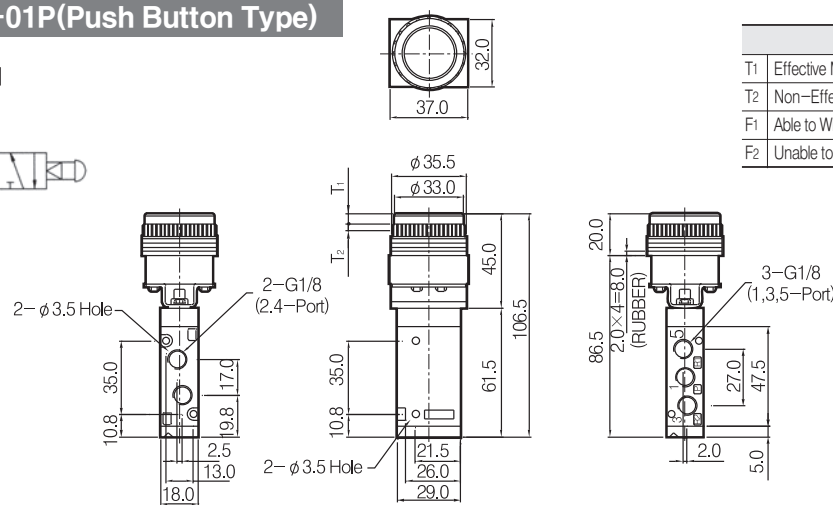
Symbol



Specifications		
T1	Effective Moving Area	6.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.0kg
F2	Unable to Withstand the Weight	

DM450-01P(Push Button Type)

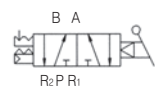
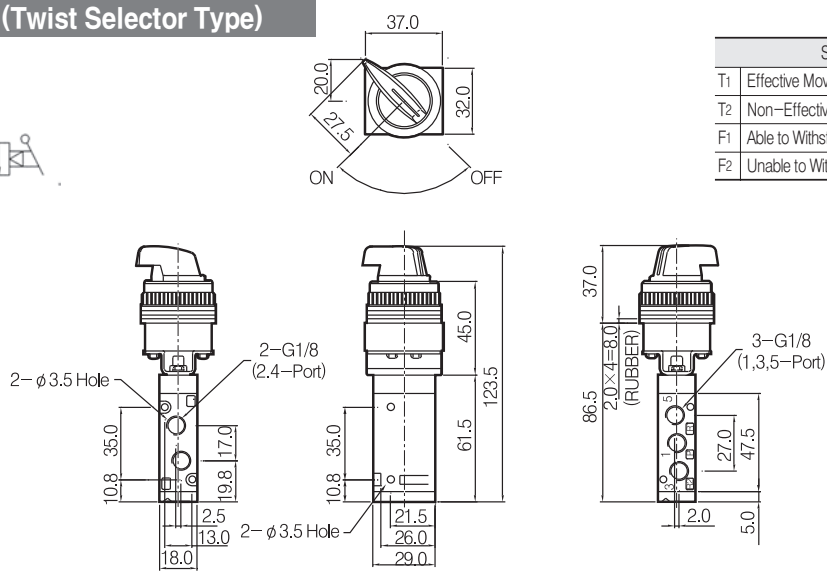
Symbol



Specifications		
T1	Effective Moving Area	6.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.0kg
F2	Unable to Withstand the Weight	

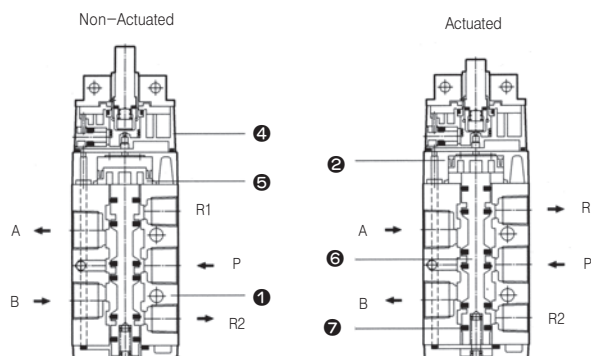
DM450-01S(Twist Selector Type)

Symbol



Specifications		
T1	Effective Moving Area	3.6mm
T2	Non-Effective Moving Area	
F1	Able to Withstand the Weight	2.5kg
F2	Unable to Withstand the Weight	

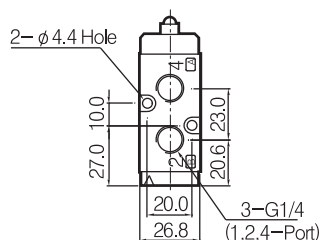
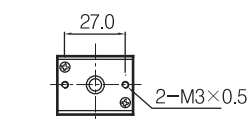
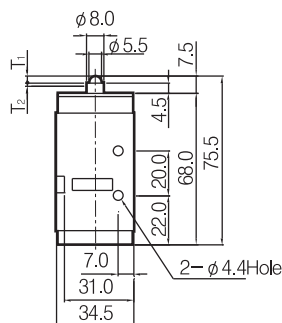
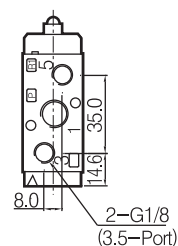
DM450/Construction/Parts List



No.	Description	Material
1	Body	Al DC
2	Semi Pilot	ZnDC
3	Cap	ZnDC
4	Pilot	PBT
5	Piston	POM
6	Spool	A2011
7	Spool Packing	NBR

DM550-02B(Standard Type)

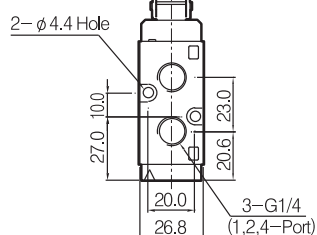
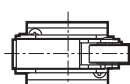
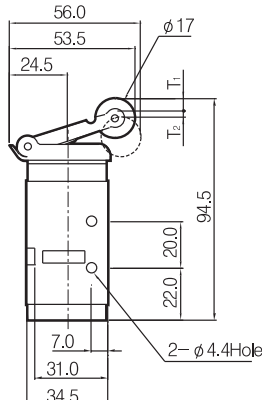
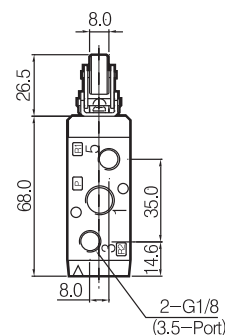
Symbol



Specifications		
T1	Effective Moving Area	3.6mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	3.5kg
F2	Unable to Withstand the Weight	

DM550-02R(Roller Type)/ DM550-02RB(Roller Bearing Type)

Symbol



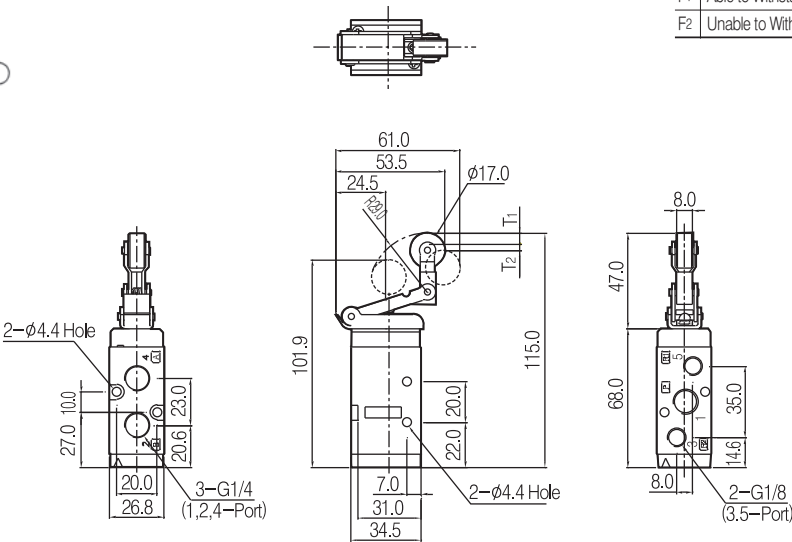
Specifications		
T1	Effective Moving Area	9.0mm
T2	Non-Effective Moving Area	3.0mm
F1	Able to Withstand the Weight	1.5kg
F2	Unable to Withstand the Weight	

DM550-02R2(One Way Roller Type)/ DM550-02R2B(One Way Roller Bearing Type)

Symbol



Specifications		
T1	Effective Moving Area	10.5mm
T2	Non-Effective Moving Area	3.0mm
F1	Able to Withstand the Weight	1.5kg
F2	Unable to Withstand the Weight	

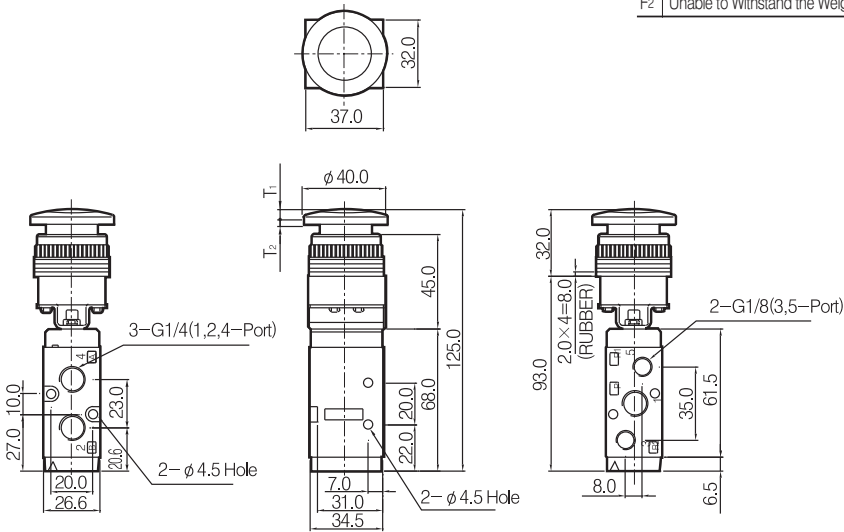


DM550-02E(Mushroom Button Type)

Symbol

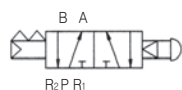


Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	4.0kg
F2	Unable to Withstand the Weight	

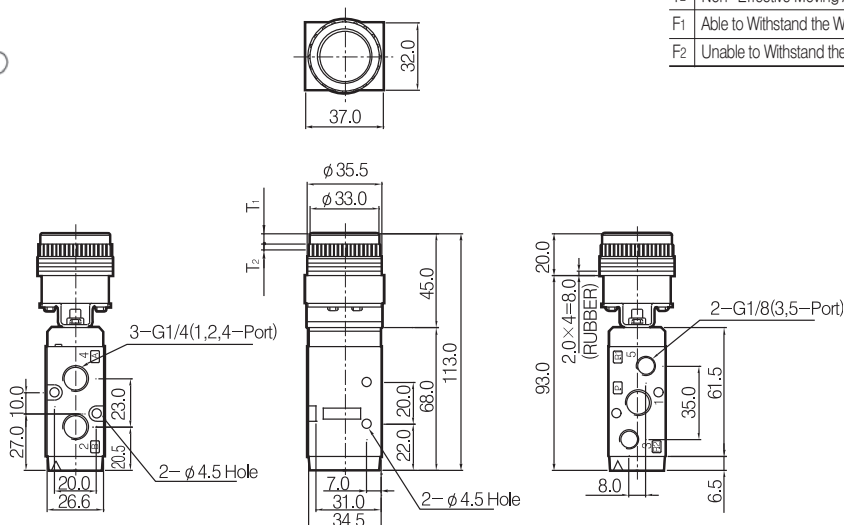


DM550-02P(Push Button Type)

Symbol



Specifications		
T1	Effective Moving Area	5.5mm
T2	Non-Effective Moving Area	1.0mm
F1	Able to Withstand the Weight	4.0kg
F2	Unable to Withstand the Weight	



DM550-02S (Twist Selector Type)

Symbol



Specifications		
T1	Effective Moving Area	3.6mm
T2	Non-Effective Moving Area	
F1	Able to Withstand the Weight	2.5kg
F2	Unable to Withstand the Weight	

