



# Fitting GW Series

- Port size M3 to R1/2, ø4 to ø12
- Applicable tube ø3.2 to ø12



## Specifications

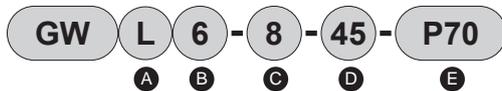
Descriptions		GW
Working fluid		Compressed air
Max. working pressure	MPa	1.0
Negative pressure	kPa	-100 *2
Ambient temperature	°C	-10 to 60 (no freezing)
Applicable tube		Urethane tube (U-95**, NU-**) *1

\*1: Refer to page 947 for tube dimensions, ambient temperature and working pressure.

\*2: Use an insert ring when using urethane tube (U-92\*\*, U-95\*\*, NU-\*\*) under vacuum pressure.

## How to order

\* Refer to model No. sections on dimensions page (pages 958 to 967) for combination of model No.



A Shape	
S	Straight
L	Elbow
T	Tee
TR	Tetrapod shaped
Y	Y tee
FY	FY
WY	Double Y
CR	Cross shaped
P	Plug
C	Cap
M	Bulkhead female connector
MF	Manifold

B Applicable tube O.D.	
3	ø3.2
4	ø4
6	ø6
8	ø8
10	ø10
12	ø12
16	ø16
44	ø4/ø4
46	ø4/ø6
48	ø4/ø8
64	ø6/ø4
66	ø6/ø6
68	ø6/ø8
610	ø6/ø10
86	ø8/ø6
88	ø8/ø8
810	ø8/ø10
812	ø8/ø12
108	ø10/ø8
1010	ø10/ø10
1012	ø10/ø12
1210	ø12/ø10
1212	ø12/ø12

C Port size	
M3	M3 x 0.5
M5	M5 x 0.8
6	R1/8*
8	R1/4*
10	R3/8*
15	R1/2*
0	No thread
4P	Plug for ø4
6P	Plug for ø6
8P	Plug for ø8
10P	Plug for ø10
12P	Plug for ø12
B	Blanking plug
C	C plug
L	L plug
Y	Y plug

\* Sealant is not applied.

D Other combination	
L	Long
T	Turn
D	D type
X	Bulk head
S	Round
M	Female
E	Bulkhead female
W	Double
2T	2-port turn
45	Single 45°

Note: Sales unit is 10 pcs. /1 bag.

E Clean room specifications		
	Structure/treatment	Material restriction
P70	Dust generation preventing	-
P74	Dust generation preventing	Copper-based/silicon-based/halogen-based materials (fluorine, chlorine, bromine) are prohibited
P80	Oil-prohibited	-

Note 1: P80 Series

- Metal material: Brass + electroless nickeling
- Sealant material: Nitrile rubber (NBR)
- Without grease: Grease is not used as this is oil-prohibited specifications.
- Without sealant on screws: PTFE resin coating is not applied.

For this reason, it is same product as P84 Series. Specify in P80 Series when placing an order.

Note 2: Push ring colors are:

- P70...Pink
- P74...Orange
- P80...Light blue

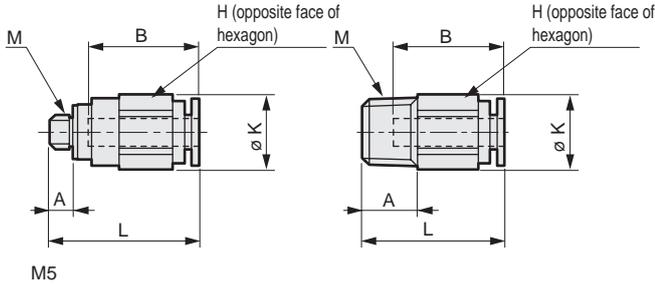
SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/ tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending



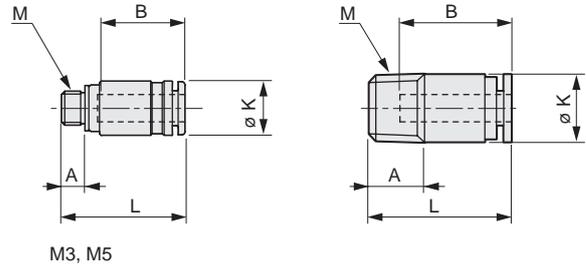
## Dimensions: Single straight/single straight (round)/female straight/bulkhead female

(Sales unit is 10 pcs./1 bag)

Single straight  
● GWS □ - □ -P7\*/P80



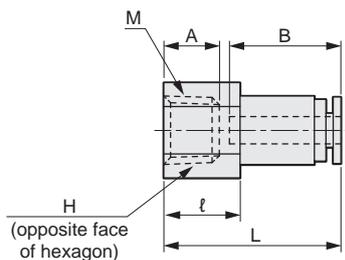
Single straight (round)  
● GWS □ - □ -S-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	M	H	K	L	A	B	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4-M5	4	M5 x 0.8	10	11	21.5	3.4	16	2.5	4	6
GWS 4-6		R1/8	10	11	20.5	8	16	2.5	4	8
GWS 4-8	6	R1/4	14	15.8	19.5	11	16	2.5	4	15
GWS 6-M5		M5 x 0.8	12	13.5	23	3.4	17.5	2.5	4.4	9
GWS 6-6	6	R1/8	12	13.5	23	8	17.5	4	10.3	11
GWS 6-8		R1/4	14	15.8	23.5	11	17.5	4	10.3	18
GWS 6-10	8	R3/8	17	19.1	21.5	12	17.5	4	10.3	26
GWS 8-6		R1/8	14	15.8	28	8	19	5	17.5	18
GWS 8-8	8	R1/4	14	15.8	27	11	19	6	22.4	17
GWS 8-10		R3/8	17	19.1	22.5	12	19	6	22.4	24
GWS10-6	10	R1/8	17	19.1	31	8	21.5	5	17.5	26
GWS10-8		R1/4	17	19.1	32.5	11	21.5	8	30.5	22
GWS10-10	10	R3/8	17	19.1	28.5	12	21.5	8	30.5	26
GWS10-15		R1/2	22	24	26.5	15	21.5	8	30.5	49
GWS12-8	12	R1/4	19	21.4	35.5	11	23	8	35.5	37
GWS12-10		R3/8	19	21.4	30.5	12	23	10	40	32
GWS12-15	12	R1/2	22	24	29.5	15	23	10	40	51

Note: "Clean room specifications" code is omitted in model number above.

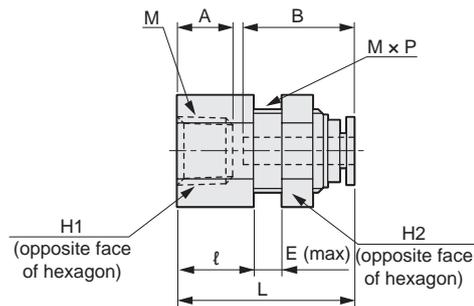
Female straight  
● GWS □ - □ -M-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	M	H	L	$\ell$	A	B	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4-6-M	4	Rc1/8	12	25.5	11	8	16	2.5	4	9
GWS 4-8-M		Rc1/4	17	28.5	14	11	16	2.5	4	23
GWS 6-6-M	6	Rc1/8	14	27	11	8	17.5	4	10.3	16
GWS 6-8-M		Rc1/4	17	30	14	11	17.5	4	10.3	24
GWS 6-10-M	6	Rc3/8	19	31	15	12	17.5	4	10.3	25
GWS 8-6-M		Rc1/8	17	28.5	11	8	19	6	22.4	26
GWS 8-8-M	8	Rc1/4	17	31.5	14	11	19	6	22.4	27
GWS 8-10-M		Rc3/8	19	32.5	15	12	19	6	22.4	29
GWS10-8-M	10	Rc1/4	19	34.5	14	11	21.5	8	30.5	42
GWS10-10-M		Rc3/8	19	35.5	15	12	21.5	8	30.5	35
GWS12-8-M	12	Rc1/4	22	36	14	11	23	10	35.5	57
GWS12-10-M		Rc3/8	22	37	15	12	23	10	35.5	53
GWS12-15-M	12	Rc1/2	24	40	18	15	23	10	35.5	56

Note: "Clean room specifications" code is omitted in model number above.

Bulkhead female  
● GWS □ - □ -E-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	M	H <sub>1</sub>	H <sub>2</sub>	L	$\ell$	A	B	E	M x P	Mounting hole diameter	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4-6-E	4	Rc1/8	14	14	25.5	11	8	16	5	M12 x 1	13	2.5	4	21
GWS 4-8-E		Rc1/4	17	14	28.5	14	11	16	5	M12 x 1	13	2.5	4	28
GWS 6-6-E	6	Rc1/8	17	17	27	11	8	17.5	5	M14 x 1	15	4	10.3	33
GWS 6-8-E		Rc1/4	17	17	30	14	11	17.5	5	M14 x 1	15	4	10.3	33
GWS 6-10-E	6	Rc3/8	19	17	31.5	15	12	17.5	5	M14 x 1	15	4	10.3	35
GWS 8-6-E		Rc1/8	19	19	28.5	11	8	19	6	M16 x 1	17	6	22.4	42
GWS 8-8-E	8	Rc1/4	19	19	31.5	14	11	19	6	M16 x 1	17	6	22.4	56
GWS 8-10-E		Rc3/8	19	19	32.5	15	12	19	6	M16 x 1	17	6	22.4	38
GWS10-8-E	10	Rc1/4	22	23	34.5	14	11	21.5	9	M20 x 1	21	8	30.5	73
GWS10-10-E		Rc3/8	22	23	35.5	15	12	21.5	9	M20 x 1	21	8	30.5	68
GWS12-10-E	12	Rc3/8	24	26	37.5	15	12	23	10	M22 x 1	23	9	35.5	88
GWS12-15-E		Rc1/2	24	26	40.5	18	15	23	10	M22 x 1	23	9	35.5	82

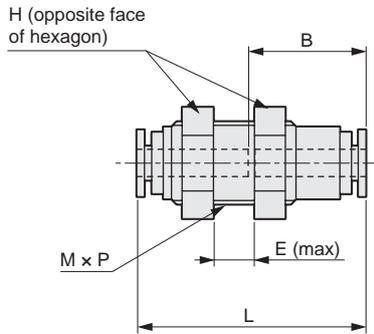
Note: "Clean room specifications" code is omitted in model number above.

### Dimensions: Bulk head/bulk head female connector/straight/different diameter straight

(Sales unit is 10 pcs./1 bag)

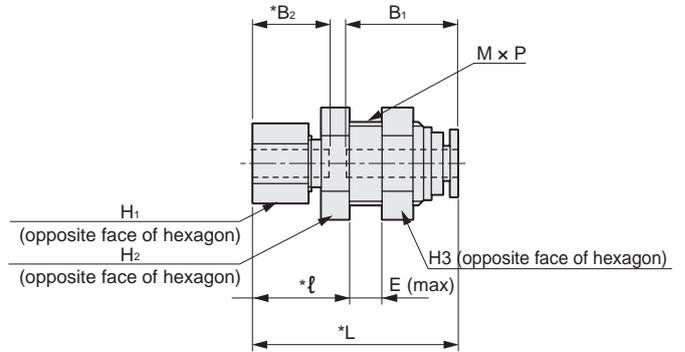
#### Bulk head

- GWS □ - □ -X-P7\*/P80



#### Bulkhead female connector

- GWM □ - □ -X-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	H	L	B	E	M x P	Mounting hole diameter	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4-0-X	4	14	33	16	7.5	M12 x 1	13	2.5	4	20
GWS 6-0-X	6	17	36	17.5	9.5	M14 x 1	15	4	10	33
GWS 8-0-X	8	19	39	19	12.5	M16 x 1	17	6	22	42
GWS10-0-X	10	23	44.5	21.5	18	M20 x 1	21	8	30	75
GWS12-0-X	12	26	47	23	20.5	M22 x 1	23	9	35	92

Note: "Clean room specifications" code is omitted in model number above.

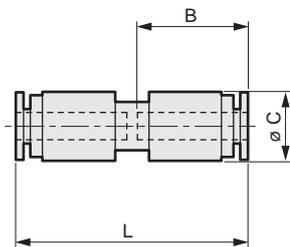
Note: An insert ring (MJU) is required for urethane tube on tightening the fitting side. Dimensions with \* show a rough dimension before tightening a nut.

Model No.	Applicable tube O.D. $\phi$	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	L	$\ell$	B <sub>1</sub>	B <sub>2</sub>	E	M x P	Mounting hole diameter	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWM 4-0-X	4	10	14	14	29.5	15	16	11	5	M12 x 1	13	2.5	4	21
GWM 6-0-X	6	12	17	17	33	16	17.5	11.5	5	M14 x 1	15	4	10	31
GWM 8-0-X	8	14	19	19	35	17.5	19	13	6	M16 x 1	17	6	22	41
GWM10-0-X	10	17	22	23	40	19.5	21.5	14.5	9	M20 x 1	21	8	30	68
GWM12-0-X	12	19	24	26	43.5	21	23	16	10	M22 x 1	23	9	35	85

Note: "Clean room specifications" code is omitted in model number above.

#### Straight

- GWS □ -0-P7\*/P80

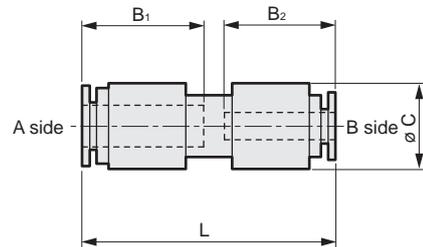


Model No.	Applicable tube O.D. $\phi$	L	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4-0	4	33.5	16	10	2.5	4	4
GWS 6-0	6	36.5	17.5	12.5	4	10	6
GWS 8-0	8	39.5	19	14.5	6	22	8
GWS10-0	10	45	21.5	17.5	8	30	13
GWS12-0	12	47.5	23	20	10	35	17
GWS16-0	16	58	28	26.5	13.2	90	38

Note: "Clean room specifications" code is omitted in model number above.

#### Different diameter straight

- GWS □ -0-P7\*/P80



Model No.	Applicable tube O.D. $\phi$		L	B <sub>1</sub>	B <sub>2</sub>	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
	A side	B side							
GWS 46-0	6	4	36.5	17.5	16	12.5	2.5	4	6
GWS 68-0	8	6	39.5	19	17.5	14.5	4	10	8
GWS 810-0	10	8	45	21.5	19	17.5	6	22	12
GWS1012-0	12	10	47.5	23	21.5	20	8	30	17

Note: "Clean room specifications" code is omitted in model number above.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
<b>Fitting/ tube</b>
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending



## Dimensions: Plug reducer/plug/plug reducer/single elbow

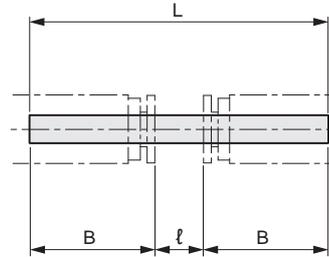
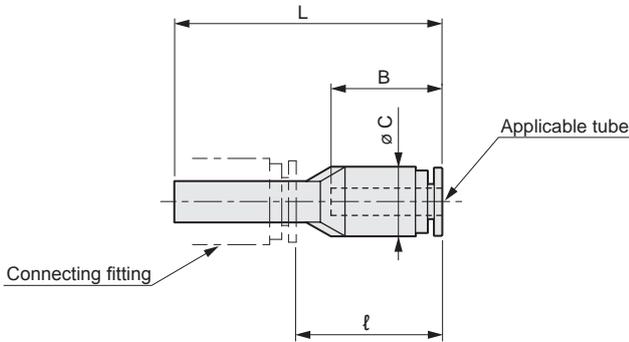
(Sales unit is 10 pcs./1 bag)

### Plug reducer

● GWS □ - □ P-P7\*/P80

### Plug

● GWP □ -0-P7\*/P80



Model No.	Applicable tube O.D. ø	Fitting port size ø	L	ℓ*	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWS 4- 6P	4	6	38.5	21	16	10	2.3	3.5	3
GWS 6- 4P	6	4	42	26	17.5	12.5	2.3	3.5	4
GWS 6- 8P		8	41	22	17.5	12.5	4	10	4
GWS 6-10P	8	10	42	20	17.5	12.5	4	10	5
GWS 8-10P		10	44.5	22.5	19	14.5	6	22	6
GWS 8-12P	10	12	44	21	19	14.5	6	22	7
GWS10-12P		12	48	25	21.5	17.5	8	30	9

\* Dimensions with CKD connecting fittings (GW Series) are shown.  
Note: "Clean room specifications" code is omitted in model number above.

Material: polyamide resin

Model No.	Fitting port size ø	L	B*	ℓ*	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWP 4-0	4	43	16	11	2.5	4	0.5
GWP 6-0	6	43	17.5	8	4	10.3	1
GWP 8-0	8	47	19	9	6	22.4	1.5
GWP10-0	10	56	21.5	13	7.5	30	2.5
GWP12-0	12	61	23	15	9.2	35.5	3.5

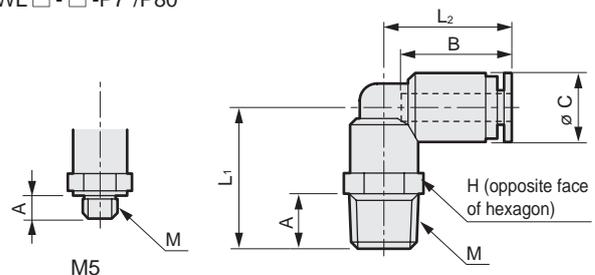
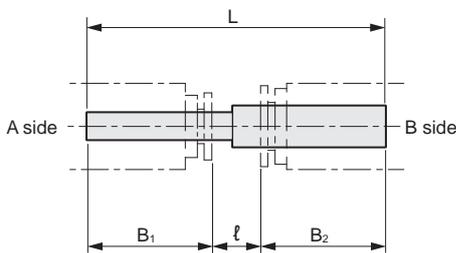
\* Dimensions with CKD connecting fittings (GW Series) are shown.  
Note: "Clean room specifications" code is omitted in model number above.

### Plug reducer

● GWP □ -0-P7\*/P80

### Single elbow

● GWL □ - □ -P7\*/P80



Material: polyamide resin

Model No.	Fitting port size ø		L	ℓ*	B <sub>1</sub> *	B <sub>2</sub> *	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
	A side	B side							
GWP 46-0	4	6	43	9.5	16	17.5	2.3	4	0.8
GWP 68-0	6	8	45	8.5	17.5	19	4	10.3	1
GWP 810-0	8	10	50.5	10	19	21.5	6	22.4	2
GWP1012-0	10	12	58	13.5	21.5	23	7.5	30	3

\* Dimensions with CKD connecting fittings (GW Series) are shown.  
Note: "Clean room specifications" code is omitted in model number above.

Model No.	Applicable tube O.D. ø	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4-M5	4	M5 x 0.8	8	15	18	3.4	16	10	2.5	3.2	5
GWL 4- 6		R1/8	10	20.5	18.5	8	16	10	2.5	3.2	8
GWL 4- 8		R1/4	14	24	18.5	11	16	10	2.5	3.2	15
GWL 6-M5	6	M5 x 0.8	10	15	20	3.4	17.5	12.5	2.5	4.2	7
GWL 6- 6		R1/8	12	24	21	8	17.5	12.5	4	8	13
GWL 6- 8		R1/4	14	27.5	21	11	17.5	12.5	4	8	18
GWL 6-10	8	R3/8	17	29	21	12	17.5	12.5	4	8	26
GWL 8- 6		R1/8	14	25.5	23.5	8	19	14.5	6	18	17
GWL 8- 8		R1/4	14	28.5	23.5	11	19	14.5	6	18	20
GWL 8-10	10	R3/8	17	30	23.5	12	19	14.5	6	18	28
GWL10- 6		R1/8	17	28	27	8	21.5	17.5	6.5	24.3	26
GWL10- 8		R1/4	17	31	27	11	21.5	17.5	8	27	28
GWL10-10	12	R3/8	17	32.5	27	12	21.5	17.5	8	27	33
GWL10-15		R1/2	22	35.5	27	15	21.5	17.5	8	27	49
GWL12- 8		R1/4	19	33	29.5	11	23	20	8.5	33	37
GWL12-10	12	R3/8	19	34.5	29.5	12	23	20	9	35	43
GWL12-15		R1/2	22	37.5	29.5	15	23	20	9	35.5	56

\* Dimensions with CKD connecting fittings (GW Series) are shown.  
Note: "Clean room specifications" code is omitted in model number above.

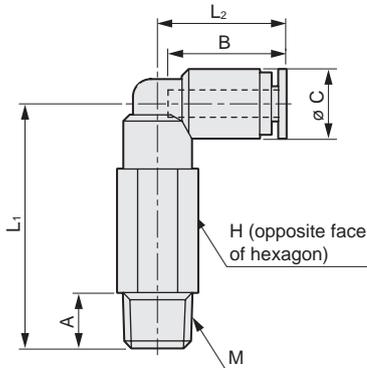
## Dimensions: Long elbow/single 45° elbow/turn elbow/elbow



(Sales unit is 10 pcs./1 bag)

### Long elbow

- GWL □ - □ -L-P7\*/P80

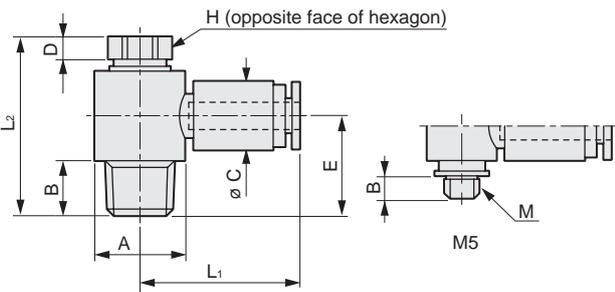


Model No.	Applicable tube O.D. $\phi$	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4- 6-L	4	R1/8	10	35.5	18.5	8	16	10	2.5	3.2	15
GWL 4- 8-L		R1/4	14	39	18.5	11	16	10	2.5	3.2	24
GWL 6- 6-L	6	R1/8	12	40	21	8	17.5	12.5	4	8	26
GWL 6- 8-L		R1/4	14	43.5	21	11	17.5	12.5	4	8	34
GWL 8- 6-L	8	R1/8	14	44.5	23.5	8	19	14.5	6	18	39
GWL 8- 8-L		R1/4	14	47.5	23.5	11	19	14.5	6	18	39
GWL 8-10-L	8	R3/8	17	49	23.5	12	19	14.5	6	18	56
GWL10- 8-L		R1/4	17	56	27	11	21.5	17.5	8	27	69
GWL10-10-L	10	R3/8	17	57.5	27	12	21.5	17.5	8	27	70
GWL10-15-L		R1/2	22	60.5	27	15	21.5	17.5	8	27	109
GWL12- 8-L	12	R1/4	19	60	29.5	11	23	20	8.5	33	94
GWL12-10-L		R3/8	19	61.5	29.5	12	23	20	9	34.5	95
GWL12-15-L	R1/2	22	64.5	29.5	15	23	20	9	34.5	122	

Note: "Clean room specifications" code is omitted in model number above.

### Turn elbow

- GWL □ - □ -T-P7\*/P80

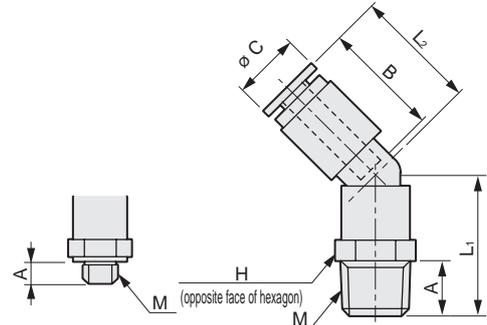


Model No.	Applicable tube O.D. $\phi$	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	D	E	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4-M5-T	4	M5 x 0.8	8	21.5	18.5	10	3.4	10	3	10.5	2.8	6
GWL 4- 6-T		R1/8	8	23	26	13	8	10	3	15	3.7	13
GWL 4- 8-T		R1/4	10	24	30	15	11	10	3.5	18	3.7	24
GWL 6-M5-T	6	M5 x 0.8	8	22.5	18.5	10	3.4	12.5	3	10.5	3.4	8
GWL 6- 6-T		R1/8	8	24	26	13	8	12.5	3	15	7.5	14
GWL 6- 8-T		R1/4	10	25	30	15	11	12.5	3.5	18	8	25
GWL 6-10-T	6	R3/8	14	27.5	36.5	20	12	12.5	4	21.5	9	45
GWL 8- 6-T		R1/8	10	26.5	29	15	8	14.5	4	16	16.5	20
GWL 8- 8-T	8	R1/4	12	28	32	17.6	11	14.5	4	19	17	31
GWL 8-10-T		R3/8	14	29	36.5	20	12	14.5	4	21.5	19	46
GWL10- 8-T	10	R1/4	14	31.5	35.5	20	11	17.5	4	20.5	24	42
GWL10-10-T		R3/8	14	31.5	36.5	20	12	17.5	4	21.5	24	49
GWL10-15-T	10	R1/2	17	34	42.5	25	15	17.5	4	25.7	27	82
GWL12- 8-T		R1/4	17	35.5	38.5	25	11	20	4	21.7	32	66
GWL12-10-T	12	R3/8	17	35.5	39.5	25	12	20	4	22.7	32	68
GWL12-15-T		R1/2	17	35.5	42.5	25	15	20	4	25.7	32	84

Note: "Clean room specifications" code is omitted in model number above.

### Single 45° elbow

- GWL □ - □ -45-P7\*/P80

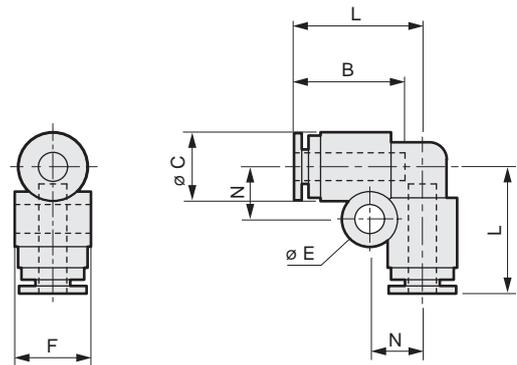


Model No.	Applicable tube O.D. $\phi$	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4-M5-45	4	M5 x 0.8	8	14.5	18	3.4	16	10	2.5	3.6	5
GWL 4- 6-45		R1/8	10	20.5	18	8	16	10	2.5	3.6	8
GWL 4- 8-45		R1/4	14	24	18	11	16	10	2.5	3.6	15
GWL 6-M5-45	6	M5 x 0.8	10	15	18.5	3.4	17.5	12.5	2.5	4.3	6
GWL 6- 6-45		R1/8	12	23.5	20	8	17.5	12.5	4	9.2	12
GWL 6- 8-45		R1/4	14	27	20	11	17.5	12.5	4	9.2	17
GWL 6-10-45	6	R3/8	17	28.5	20	12	17.5	12.5	4	9.2	26
GWL 8- 6-45		R1/8	14	25	22	8	19	14.5	6	20	16
GWL 8- 8-45	8	R1/4	14	28	22	11	19	14.5	6	20	19
GWL 8-10-45		R3/8	17	29.5	22	12	19	14.5	6	20	28
GWL10- 6-45	10	R1/8	17	26	25	8	21.5	17.5	6.5	25.5	25
GWL10- 8-45		R1/4	17	29	25	11	21.5	17.5	8	29	26
GWL10-10-45		R3/8	17	30.5	25	12	21.5	17.5	8	29	31
GWL10-15-45	10	R1/2	22	33.5	25	15	21.5	17.5	8	29	47
GWL12- 8-45		R1/4	19	30.5	27	11	23	20	8.5	35.5	35
GWL12-10-45	12	R3/8	19	32	27	12	23	20	9	39	41
GWL12-15-45		R1/2	22	35	27	15	23	20	9	39	55

Note: "Clean room specifications" code is omitted in model number above.

### Elbow

- GWL □ -0-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	L	B	C	N	E	F	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4-0	4	18.5	16	10	7.5	4.2	11	2.5	3	5
GWL 6-0	6	21	17.5	12.5	8.5	4.2	13.5	4	7.5	7
GWL 8-0	8	23.5	19	14.5	9.5	4.2	15.5	6	17	9
GWL10-0	10	27	21.5	17.5	11	4.2	18.5	8	25.5	15
GWL12-0	12	29.5	23	20	12	4.2	21	10	34	18

Note: "Clean room specifications" code is omitted in model number above.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
<b>Fitting/ tube</b>
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

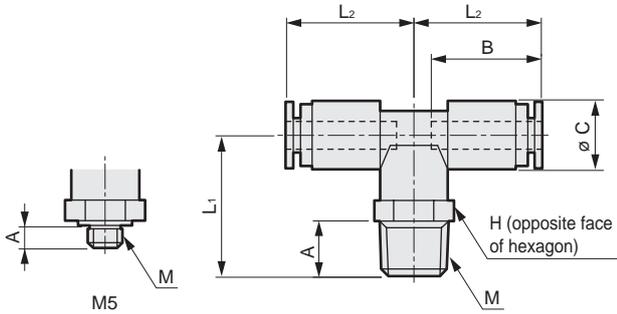


## Dimensions: Both ports tee/D tee/tee/Y tee

(Sales unit is 10 pcs./1 bag)

Both ports tee

● GWT □ - □ -P7\*/P80

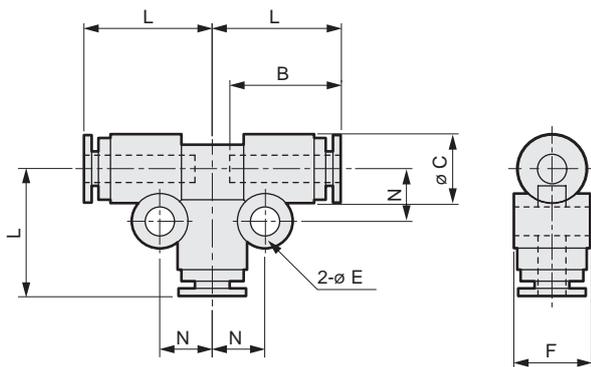


Model No.	Applicable tube O.D. ø	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWT 4-M5	4	M5 x 0.8	10	16.5	18.5	3.4	16	10	2.5	4.3	8
GWT 4-6		R1/8	10	20.5	18.5	8	16	10	2.5	4.3	10
GWT 4-8	6	R1/4	14	24	18.5	11	16	10	2.5	4.3	17
GWT 6-M5		M5 x 0.8	12	20	21	3.4	17.5	12.5	2.5	4.3	13
GWT 6-6	6	R1/8	12	24	21	8	17.5	12.5	4	10.5	16
GWT 6-8		R1/4	14	27.5	21	11	17.5	12.5	4	10.5	21
GWT 6-10	8	R3/8	17	29	21	12	17.5	12.5	4	10.5	29
GWT 8-6		R1/8	14	25.5	23.5	8	19	14.5	6	23.5	20
GWT 8-8	8	R1/4	14	28.5	23.5	11	19	14.5	6	23.5	24
GWT 8-10		R3/8	17	30	23.5	12	19	14.5	6	23.5	32
GWT10-8	10	R1/4	17	31	27	11	21.5	17.5	8	33.5	34
GWT10-10		R3/8	17	32.5	27	12	21.5	17.5	8	33.5	39
GWT10-15	12	R1/2	22	35.5	27	15	21.5	17.5	8	33.5	55
GWT12-8		R1/4	19	33	29.5	11	23	20	8.5	37	45
GWT12-10	12	R3/8	19	34.5	29.5	12	23	20	9	41	51
GWT12-15		R1/2	22	37.5	29.5	15	23	20	9	41	64

Note: "Clean room specifications" code is omitted in model number above.

Tee

● GWT □ -0-P7\*/P80

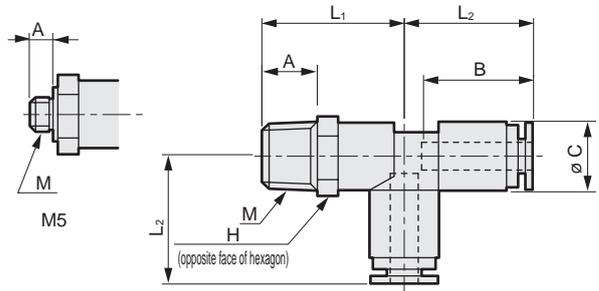


Model No.	Applicable tube O.D. ø	L	B	C	E	F	N	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWT 4-0	4	18.5	16	10	4.2	11	7.5	2.5	3.6	8
GWT 6-0	6	21	17.5	12.5	4.2	13.5	8.5	4	9.7	11
GWT 8-0	8	23.5	19	14.5	4.2	15.5	9.5	6	22	14
GWT10-0	10	27	21.5	17.5	4.2	18.5	11	8	30	23
GWT12-0	12	29.5	23	20	4.2	21	12	10	35.5	30

Note: "Clean room specifications" code is omitted in model number above.

D tee

● GWT □ - □ -D-P7\*/P80

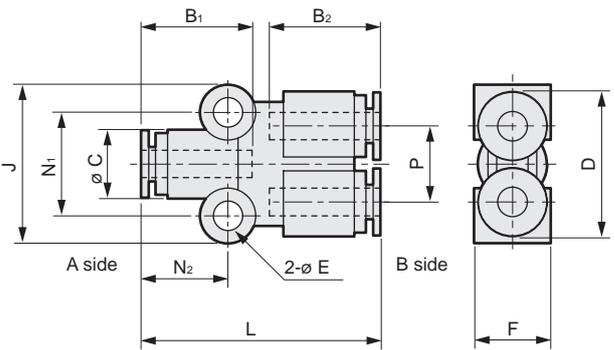


Model No.	Applicable tube O.D. ø	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWT 4-M5-D	4	M5 x 0.8	10	16.5	18.5	3.4	16	10	2.5	4.3	8
GWT 4-6-D		R1/8	10	20.5	18.5	8	16	10	2.5	4.3	10
GWT 4-8-D	6	R1/4	14	24	18.5	11	16	10	2.5	4.3	17
GWT 6-M5-D		M5 x 0.8	12	19.5	21	3.4	17.5	12.5	2.5	4.3	13
GWT 6-6-D	6	R1/8	12	24	21	8	17.5	12.5	4	10.5	16
GWT 6-8-D		R1/4	14	27.5	21	11	17.5	12.5	4	10.5	21
GWT 6-10-D	8	R3/8	17	29	21	12	17.5	12.5	4	10.5	29
GWT 8-6-D		R1/8	14	25.5	23.5	8	19	14.5	6	23.5	20
GWT 8-8-D	8	R1/4	14	28.5	23.5	11	19	14.5	6	23.5	24
GWT 8-10-D		R3/8	17	30	23.5	12	19	14.5	6	23.5	32
GWT10-8-D	10	R1/4	17	31	27	11	21.5	17.5	8	33.5	34
GWT10-10-D		R3/8	17	32.5	27	12	21.5	17.5	8	33.5	39
GWT10-15-D	12	R1/2	22	35.5	27	15	21.5	17.5	8	33.5	55
GWT12-8-D		R1/4	19	33	29.5	11	23	20	8.5	37	45
GWT12-10-D	12	R3/8	19	34.5	29.5	12	23	20	9	41	51
GWT12-15-D		R1/2	22	37.5	29.5	15	23	20	9	41	64

Note: "Clean room specifications" code is omitted in model number above.

Y tee

● GWY □ -0-P7\*/P80



Model No.	Applicable tube O.D. ø	L	B <sub>1</sub>	B <sub>2</sub>	C	D	E	F	J	N <sub>1</sub>	N <sub>2</sub>	P	Effective cross-sectional area mm <sup>2</sup>	Weight g	
GWY 44-0	4	4	34.5	16	16	10	21	4.2	11	23	15	12.5	11	3.6	8
GWY 66-0	6	6	37.5	17.5	17.5	12.5	26	4.2	13.5	25.5	17.5	14	13.5	10.5	11
GWY 88-0	8	8	40.5	19	19	14.5	30	4.2	15.5	27	19	15	15.5	23	14
GWY1010-0	10	10	48	21.5	21.5	17.5	36	4.2	18.5	30	22	18	18.5	38	23
GWY1212-0	12	12	53	23	23	20	41	4.2	21	32	24	19.5	21	50	30
GWY 64-0	6	4	37.5	17.5	16	12.5	26	4.2	13.5	25.5	17.5	14	13.5	5.4	11
GWY 86-0	8	6	40.5	19	17.5	14.5	30	4.2	15.5	27	19	15	15.5	14.3	16
GWY 108-0	10	8	48	21.5	19	17.5	36	4.2	18.5	30	22	18	18.5	21.1	20
GWY1210-0	12	10	53	23	21.5	20	41	4.2	21	32	24	19.5	21	35.5	30

Note: "Clean room specifications" code is omitted in model number above.

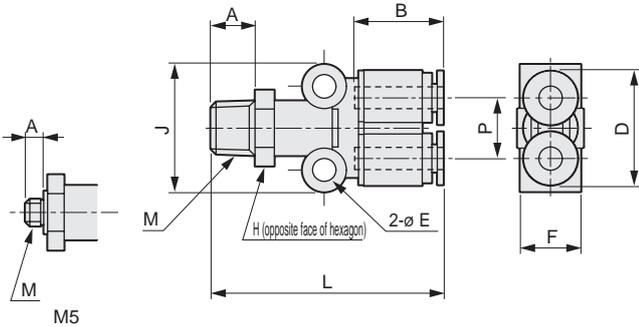


### Dimensions: Both ports Y tee union/cross shaped/2-port turn elbow/tetrapod (with R)

(Sales unit is 10 pcs./1 bag)

Both ports Y tee union

● GWY □ - □ -P7\*/P80

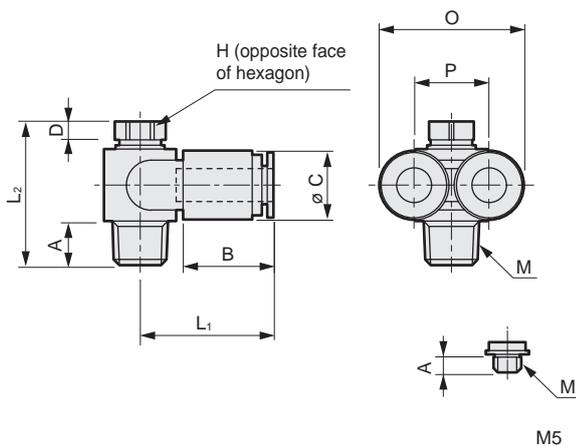


Model No.	Applicable tube O.D. ø	M	H	L	A	B	D	E	F	J	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWY 4-M5	M5 x 0.8	12	38	3.4	16	21	4.2	11	23	11	4.5	12	
GWY 4-6	R1/8	12	42	8	16	21	4.2	11	23	11	5.5	14	
GWY 4-8	R1/4	14	45.5	11	16	21	4.2	11	23	11	5.5	19	
GWY 6-M5	M5 x 0.8	14	41	3.4	17.5	26	4.2	13.5	25.5	13.5	4.5	17	
GWY 6-6	R1/8	14	46	8	17.5	26	4.2	13.5	25.5	13.5	17.5	19	
GWY 6-8	R1/4	14	49	11	17.5	26	4.2	13.5	25.5	13.5	17.5	22	
GWY 6-10	R3/8	17	50.5	12	17.5	26	4.2	13.5	25.5	13.5	17.5	31	
GWY 8-6	R1/8	17	49	8	19	30	4.2	15.5	27	15.5	25.5	27	
GWY 8-8	R1/4	17	52	11	19	30	4.2	15.5	27	15.5	25.5	29	
GWY 8-10	R3/8	17	53.5	12	19	30	4.2	15.5	27	15.5	25.5	34	
GWY10-8	R1/4	19	59.5	11	21.5	36	4.2	18.5	30	18.5	35	42	
GWY10-10	R3/8	19	61	12	21.5	36	4.2	18.5	30	18.5	38.5	48	
GWY10-15	R1/2	22	64	15	21.5	36	4.2	18.5	30	18.5	38	61	
GWY12-8	R1/4	22	64.5	11	23	41	4.2	21	32	21	37	51	
GWY12-10	R3/8	22	66	12	23	41	4.2	21	32	21	37	57	
GWY12-15	R1/2	22	69	15	23	41	4.2	21	32	21	40.5	67	

Note: "Clean room specifications" code is omitted in model number above.

2-port turn elbow

● GWL □ - □ -2T-P7\*/P80

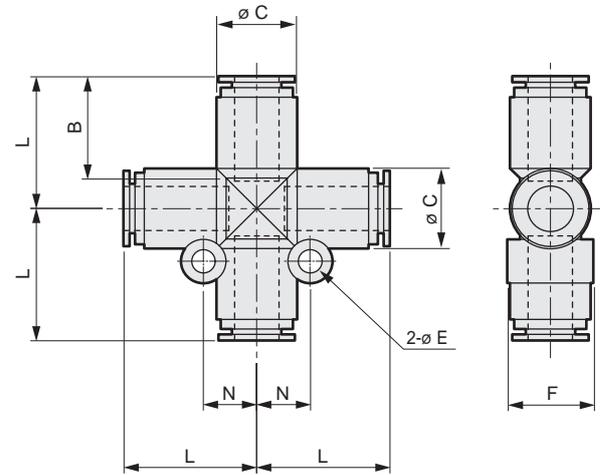


Model No.	Applicable tube O.D. ø	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	D	O	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWL 4-M5-2T	M5 x 0.8	8	21.5	18.5	3.4	16	10	3	21	11	3.6	9	
GWL 6-6-2T	R1/8	8	24	26	8	17.5	12.5	3	26	13.5	8.5	18	
GWL 8-8-2T	R1/4	12	28	32	11	19	14.5	4	30	15.5	19	36	
GWL10-10-2T	R3/8	14	31.5	36.5	12	21.5	17.5	4	36	18.5	26	54	
GWL12-15-2T	R1/2	17	35.5	42.5	15	23	20	4	41	21	34	90	

Note: "Clean room specifications" code is omitted in model number above.

Cross shaped

● GWCR □ - □ -P7\*/P80

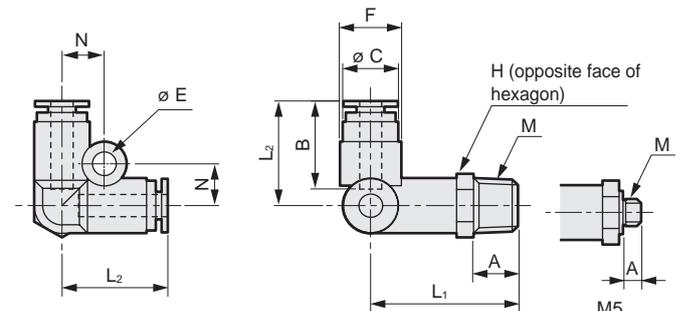


Model No.	Applicable tube O.D. ø	L	B	C	E	F	N	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWCR 8-0	8	24	19	14.5	4.2	15.5	9.5	6	22	19
GWCR10-0	10	27.5	21.5	17.5	4.2	18.5	11	8	30.5	30
GWCR12-0	12	30	23	20	4.2	21	12	10	35.9	39

Note: "Clean room specifications" code is omitted in model number above.

Tetrapod (with R)

● GWTR □ - □ -P7\*/P80



Model No.	Applicable tube O.D. ø	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	E	F	N	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWTR 4-M5	M5 x 0.8	10	22.5	19	3.4	16	10	4.2	11	7.5	2.5	2.5	4.3	11
GWTR 4-6	R1/8	10	26.5	19	8	16	10	4.2	11	7.5	2.5	2.5	4.5	13
GWTR 4-8	R1/4	14	30	19	11	16	10	4.2	11	7.5	2.5	2.5	4.5	20
GWTR 6-M5	M5 x 0.8	14	25	21.5	3.4	17.5	12.5	4.2	13.5	8.5	2.5	2.5	4.3	19
GWTR 6-6	R1/8	14	30	21.5	8	17.5	12.5	4.2	13.5	8.5	4	4	10.5	22
GWTR 6-8	R1/4	14	33	21.5	11	17.5	12.5	4.2	13.5	8.5	4	4	10.5	25
GWTR 6-10	R3/8	17	34.5	21.5	12	17.5	12.5	4.2	13.5	8.5	4	4	10.5	33
GWTR 8-6	R1/8	17	32.5	24	8	19	14.5	4.2	15.5	9.5	6	6	23.5	28
GWTR 8-8	R1/4	17	35.5	24	11	19	14.5	4.2	15.5	9.5	6	6	23.5	33
GWTR 8-10	R3/8	17	37	24	12	19	14.5	4.2	15.5	9.5	6	6	23.5	38
GWTR10-8	R1/4	19	39.5	27.5	11	21.5	17.5	4.2	18.5	13	8	8	35.5	45
GWTR10-10	R3/8	19	41	27.5	12	21.5	17.5	4.2	18.5	13	8	8	35.5	52
GWTR10-15	R1/2	22	44	27.5	15	21.5	17.5	4.2	18.5	13	8	8	35.5	65
GWTR12-8	R1/4	22	41.5	30	11	23	20	4.2	21	14	8.5	8.5	37.5	60
GWTR12-10	R3/8	22	43	30	12	23	20	4.2	21	14	8.5	8.5	37.5	68
GWTR12-15	R1/2	22	46	30	15	23	20	4.2	21	14	8.5	8.5	37.5	77

Note: "Clean room specifications" code is omitted in model number above.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

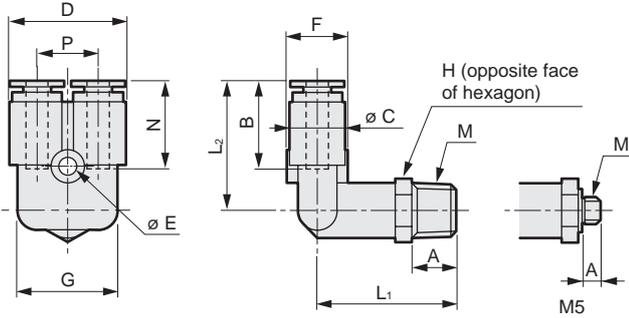


## Dimensions: FY (with R)/double Y (with R)/tetrapod/FY

(Sales unit is 10 pcs./1 bag)

### FY (with R)

- GWFY □ - □ -P7\*/P80

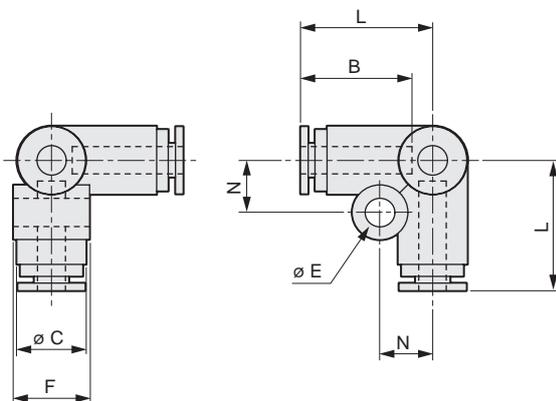


Model No.	Applicable tube O.D. $\phi$	M	H	L <sub>1</sub>	L <sub>2</sub>	A	B	C	D	E	F	G	N	P	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWFY 4-M5	M5×0.8	10	21	23.5	3.4	16	10	21	3.2	11	18	15.5	11	2.5	4.5	12	
GWFY 4-6	R1/8	10	25	23.5	8	16	10	21	3.2	11	18	15.5	11	2.5	4.6	14	
GWFY 4-8	R1/4	14	28.5	23.5	11	16	10	21	3.2	11	18	15.5	11	2.5	4.6	20	
GWFY 6-M5	M5×0.8	14	23	27	3.4	17.5	12.5	26	4.2	13.5	22.5	17	13.5	2.5	4.5	21	
GWFY 6-6	R1/8	14	28	27	8	17.5	12.5	26	4.2	13.5	22.5	17	13.5	4	10.5	23	
GWFY 6-8	R1/4	14	31	27	11	17.5	12.5	26	4.2	13.5	22.5	17	13.5	4	10.5	26	
GWFY 6-10	R3/8	17	32.5	27	12	17.5	12.5	26	4.2	13.5	22.5	17	13.5	4	10.5	35	
GWFY 8-6	R1/8	17	30.5	29	8	19	14.5	30	4.2	15.5	26.5	18	15.5	6	23	30	
GWFY 8-8	R1/4	17	33.5	29	11	19	14.5	30	4.2	15.5	26.5	18	15.5	6	23	34	
GWFY 8-10	R3/8	17	35	29	12	19	14.5	30	4.2	15.5	26.5	18	15.5	6	23	39	
GWFY10-8	R1/4	19	37.5	33	11	21.5	17.5	36	4.2	18.5	31.5	20	18.5	8	34.4	47	
GWFY10-10	R3/8	19	39	33	12	21.5	17.5	36	4.2	18.5	31.5	20	18.5	8	34.4	53	
GWFY10-15	R1/2	22	42	33	15	21.5	17.5	36	4.2	18.5	32.5	20	18.5	8	34.4	66	
GWFY12-8	R1/4	22	39.5	35.5	11	23	20	41	4.2	21	37	21.5	21	8.5	37.5	63	
GWFY12-10	R3/8	22	41	35.5	12	23	20	41	4.2	21	37	21.5	21	8.5	37.5	71	
GWFY12-15	R1/2	22	44	35.5	15	23	20	41	4.2	21	37	21.5	21	8.5	37.5	80	

Note: "Clean room specifications" code is omitted in model number above.

### Tetrapod shaped

- GWTR □ -0-P7\*/P80

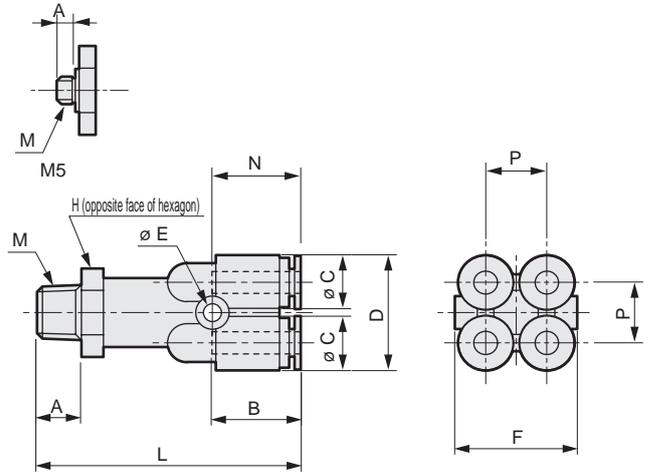


Model No.	Applicable tube O.D. $\phi$	L	B	C	E	F	N	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWTR 4-0	4	19	16	10	4.2	11	7.5	2.5	4	7
GWTR 6-0	6	21.5	17.5	12.5	4.2	13.5	8.5	4	9.5	11
GWTR 8-0	8	24	19	14.5	4.2	15.5	9.5	6	12.5	14
GWTR10-0	10	27.5	21.5	17.5	4.2	18.5	13	8	29.5	24
GWTR12-0	12	30	23	20	4.2	21	14	10	35.5	31

Note: "Clean room specifications" code is omitted in model number above.

### Double Y (with R)

- GWWY □ - □ -P7\*/P80

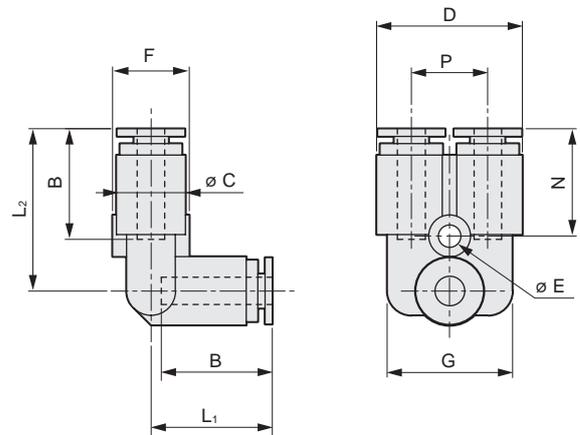


Model No.	Applicable tube O.D. $\phi$	M	H	L	A	B	C	D	E	F	N	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWWY4-M5	M5×0.8	14	42.5	3.4	16	10	21	3.2	22	15.5	11	4.3	23	
GWWY4-6	R1/8	14	47.5	8	16	10	21	3.2	22	15.5	11	9.7	25	
GWWY4-8	R1/4	14	50.5	11	16	10	21	3.2	22	15.5	11	9.7	28	
GWWY6-M5	M5×0.8	17	46.5	3.4	17.5	12.5	26	3.2	27	17	13.5	4.3	36	
GWWY6-6	R1/8	17	51.5	8	17.5	12.5	26	3.2	27	17	13.5	23	34	
GWWY6-8	R1/4	17	54.5	11	17.5	12.5	26	3.2	27	17	13.5	23	39	
GWWY6-10	R3/8	17	56	12	17.5	12.5	26	3.2	27	17	13.5	23	44	

Note: "Clean room specifications" code is omitted in model number above.

### FY

- GWFY □ -0-P7\*/P80



Model No.	Applicable tube O.D. $\phi$	L <sub>1</sub>	L <sub>2</sub>	B	C	D	E	F	G	N	P	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWFY 4-0	4	17.5	23.5	16	10	21	3.2	11	18	15.5	11	2.5	4	8
GWFY 6-0	6	19.5	27	17.5	12.5	26	4.2	13.5	22.5	17	13.5	4	10	12
GWFY 8-0	8	22	29	19	14.5	30	4.2	15.5	26.5	18	15.5	6	21	16
GWFY10-0	10	25.5	33	21.5	17.5	36	4.2	18.5	31.5	20	18.5	8	29	25
GWFY12-0	12	28	35.5	23	20	41	4.2	21	37	21.5	21	10	35.5	34

Note: "Clean room specifications" code is omitted in model number above.

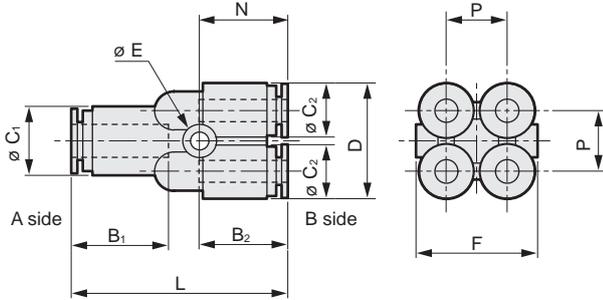
## Dimensions: Double Y/blanking plug/L plug/C plug



(Sales unit is 10 pcs./1 bag)

### Double Y

- GWWY □ -0-P7\*/P80

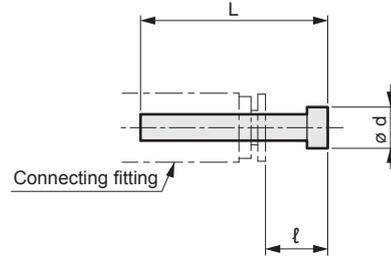


Model No.	Applicable tube O.D. Ø		L	B <sub>1</sub>	B <sub>2</sub>	C <sub>1</sub>	C <sub>2</sub>	D	E	F	N	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
	A side	B side												
GWWY64-0	6	4	39	17.5	16	12.5	10	21	3.2	22	15.5	11	9	14
GWWY86-0	8	6	43	19	17.5	14.5	12.5	26	3.2	27	17	13.5	22	20

Note: "Clean room specifications" code is omitted in model number above.

### Blanking plug

- GWP □ -B-P7\*/P80



Material: polyamide resin

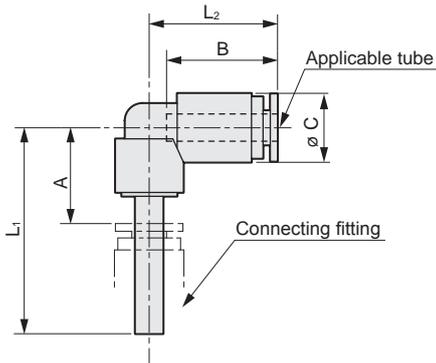
Model No.	Fitting port size Ø	L	ℓ*	d	Weight g
GWJP 3-B	3.2	23.5	11	5	0.2
GWP 4-B	4	27	11	6	0.5
GWP 6-B	6	29	11.5	8	1
GWP 8-B	8	33	14	10	2
GWP10-B	10	40	18.5	12	3
GWP12-B	12	43	20	14	4

\* Dimensions with CKD connecting fittings (GW Series) are shown.

Note: "Clean room specifications" code is omitted in model number above.

### L plug

- GWP □ -L-P7\*/P80



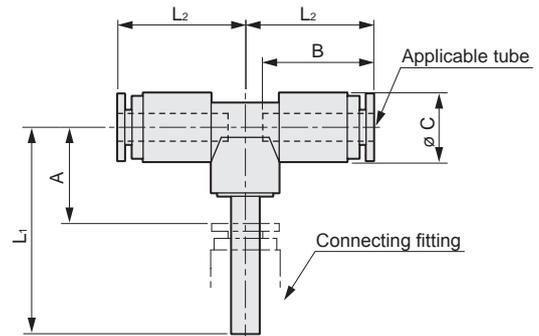
Model No.	Applicable tube O.D. Ø	Fitting port size Ø	L <sub>1</sub>	L <sub>2</sub>	A*	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWP 44-L	4	4	30	18.5	14	16	10	1.7	2.1	4
GWP 46-L		6	31	18.5	13.5	16	10	1.7	2.1	4
GWP 48-L		8	32.5	18.5	13.5	16	10	1.7	2.1	5
GWP 66-L	6	6	34	21	16.5	17.5	12.5	3.4	6.7	6
GWP 68-L		8	35.5	21	16.5	17.5	12.5	3.4	6.7	7
GWP 610-L		10	38	21	16.5	17.5	12.5	3.4	6.7	8
GWP 88-L	8	8	36.5	23.5	17.5	19	14.5	5.4	16.6	9
GWP 810-L		10	39	23.5	17.5	19	14.5	5.4	16.6	10
GWP 812-L		12	40	23.5	17	19	14.5	5.4	16.6	11
GWP1010-L	10	10	41.5	27	20	21.5	17.5	6.8	24.7	14
GWP1012-L		12	42.5	27	19.5	21.5	17.5	6.8	24.7	15
GWP1212-L		12	44.5	29.5	21.5	23	20	8.8	34	18

\* Dimensions with CKD connecting fittings (GW Series) are shown.

Note: "Clean room specifications" code is omitted in model number above.

### C plug

- GWP □ -C-P7\*/P80



Model No.	Applicable tube O.D. Ø	Fitting port size Ø	L <sub>1</sub>	L <sub>2</sub>	A*	B	C	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWP 44-C	4	4	30	18.5	14	16	10	1.7	2.4	6
GWP 46-C		6	31	18.5	13.5	16	10	1.7	2.4	6
GWP 48-C		8	32.5	18.5	13.5	16	10	1.7	2.4	7
GWP 66-C	6	6	34	21	16.5	17.5	12.5	3.4	7.3	9
GWP 68-C		8	35.5	21	16.5	17.5	12.5	3.4	7.3	10
GWP 610-C		10	38	21	16.5	17.5	12.5	3.4	7.3	11
GWP 88-C	8	8	36.5	23.5	17.5	19	14.5	5.4	19.3	13
GWP 810-C		10	39	23.5	17.5	19	14.5	5.4	19.3	14
GWP 812-C		12	40	23.5	17	19	14.5	5.4	19.3	15
GWP1010-C	10	10	41.5	27	20	21.5	17.5	6.8	28.6	20
GWP1012-C		12	42.5	27	19.5	21.5	17.5	6.8	28.6	21
GWP1212-C		12	44.5	29.5	21.5	23	20	8.8	35.5	26

\* Dimensions with CKD connecting fittings (GW Series) are shown.

Note: "Clean room specifications" code is omitted in model number above.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E

MN4E

4GA/B

M4GA/B

MN4GA/B

F.R.(module unit)

Clean F.R

Precision R

Press gauge

Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending

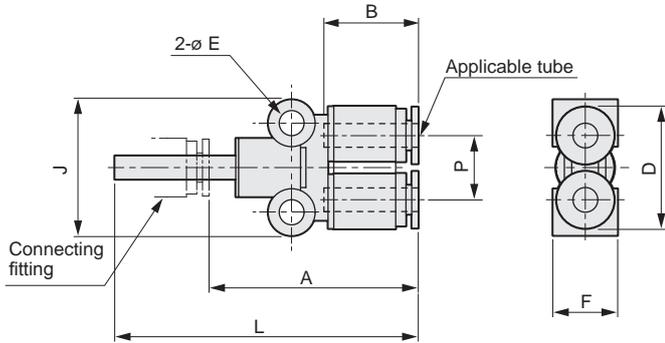


## Dimensions: Y plug/cap/manifold (single/with R)/manifold (single)

(Sales unit is 10 pcs./1 bag)

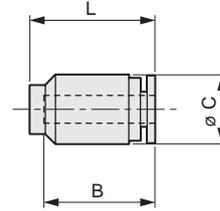
### Y plug

- GWP □ -Y-P7\*/P80



### Cap

- GWC □ -P7\*/P80

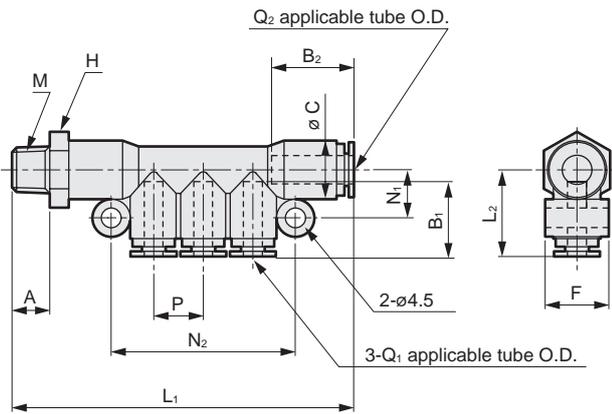


Model No.	Applicable tube O.D. ø	Fitting port size ø	L	A	B	D	E	F	J	P	Min. bore size	Effective cross-sectional area mm <sup>2</sup>	Weight g
GWP 44-Y	4	4	51.5	35.5	16	21	4.2	11	23	11	1.7	2.1	8
GWP 46-Y	4	6	52.5	35	16	21	4.2	11	23	11	2.5	5.8	8
GWP 48-Y	4	8	54	35	16	21	4.2	11	23	11	2.5	5.8	8
GWP 66-Y	6	6	55.5	38	17.5	26	4.2	13.5	25.5	13.5	3.9	9.1	11
GWP 68-Y	6	8	57	38	17.5	26	4.2	13.5	25.5	13.5	4	15.9	11
GWP 610-Y	6	10	59.5	38	17.5	26	4.2	13.5	25.5	13.5	4	15.9	12
GWP 88-Y	8	8	60	41	19	30	4.2	15.5	27	15.5	5.9	22.2	14
GWP 810-Y	8	10	62.5	41	19	30	4.2	15.5	27	15.5	6	24.9	15
GWP 812-Y	8	12	63.5	40.5	19	30	4.2	15.5	27	15.5	6	24.9	16
GWP1010-Y	10	10	70	48.5	21.5	36	4.2	18.5	30	18.5	6.8	28.2	23
GWP1012-Y	10	12	71	48	21.5	36	4.2	18.5	30	18.5	8	35.5	23
GWP1212-Y	12	12	76	53	23	41	4.2	21	32	21	8.8	36.3	29

\* Dimensions with CKD connecting fittings (GW Series) are shown.  
Note: "Clean room specifications" code is omitted in model number above.

### Manifold (single/with R)

- GWMF □ - □ -P7\*/P80



Model No.	Applicable tube O.D. ø		M	H	L <sub>1</sub>	L <sub>2</sub>	A	B <sub>1</sub>	B <sub>2</sub>	C	F	N <sub>1</sub>	N <sub>2</sub>	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
	Q1	Q2														
GWMF 46-6	4	6	R1/8	14	72.5	18.5	8	16	17.5	12.5	13.5	10.5	39	10.5	8.3	27
GWMF 48-8	4	8	R1/4	17	77.5	19.5	11	16	19	14.5	15.5	11.5	39	10.5	24.2	37
GWMF 68-8	6	8	R1/4	17	84.5	21	11	17.5	19	14.5	15.5	11.5	46.5	13	24.2	41
GWMF610-10	6	10	R3/8	19	91.5	22	12	17.5	21.5	17.5	18.5	13	46.5	13	35.5	56
GWMF810-10	8	10	R3/8	19	97.5	23.5	12	19	21.5	17.5	18.5	13	52.5	15	35.5	61

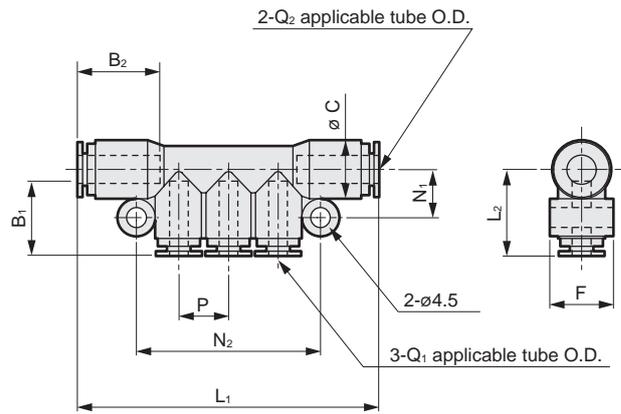
Note: "Clean room specifications" code is omitted in model number above.

Model No.	Applicable tube O.D. ø	B	ø C	L	Weight g
GWC 4	4	16	10	18	2
GWC 6	6	17.5	12.5	19.5	3
GWC 8	8	19	14.5	21	4
GWC 10	10	21.5	17.5	24	7
GWC12	12	23	20	26	9

Note: "Clean room specifications" code is omitted in model number above.

### Manifold (single)

- GWMF □ -0-P7\*/P80



Model No.	Applicable tube O.D. ø		L <sub>1</sub>	L <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	C	F	N <sub>1</sub>	N <sub>2</sub>	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
	Q1	Q2											
GWMF 46-0	4	6	64	18.5	16	17.5	12.5	13.5	10.5	39	10.5	7.9	16
GWMF 48-0	4	8	66	19.5	16	19	14.5	15.5	11.5	39	10.5	22	18
GWMF 68-0	6	8	73	21	17.5	19	14.5	15.5	11.5	46.5	13	22	23
GWMF610-0	6	10	78.5	22	17.5	21.5	17.5	18.5	13	46.5	13	30	28
GWMF810-0	8	10	84.5	23.5	19	21.5	17.5	18.5	13	52.5	15	30	33

Note: "Clean room specifications" code is omitted in model number above.

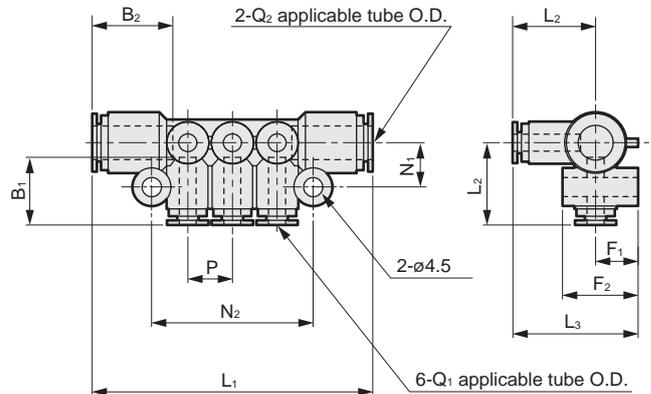
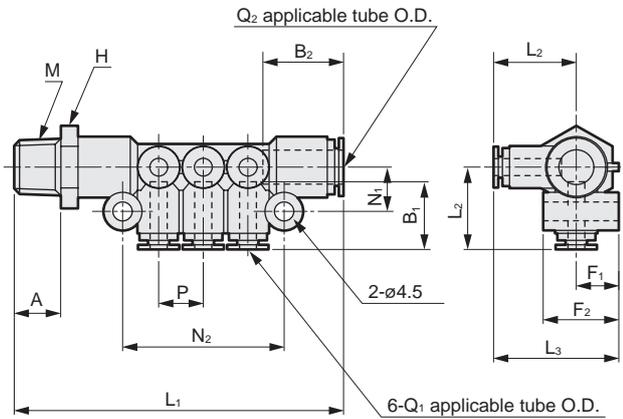
### Dimensions: Manifold (double/with R)/manifold (double)/insert ring



(Sales unit is 10 pcs./1 bag)

Manifold (double/with R)  
 ● GWMF □ - □ -W-P7\*/P80

Manifold (double)  
 ● GWMF □ -0-W-P7\*/P80



Model No.	Applicable tube O.D. φ		M	H	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	A	B <sub>1</sub>	B <sub>2</sub>	F <sub>1</sub>	F <sub>2</sub>	N <sub>1</sub>	N <sub>2</sub>	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
	Q1	Q2															
GWMF 48- 8-W	4	8	R1/4	17	77.5	19.5	29.5	11	16	19	10	17.5	10.5	38	10.5	24.3	43
GWMF 48-10-W	4	8	R3/8	17	79	19.5	29.5	12	16	19	10	17.5	10.5	38	10.5	23.5	48
GWMF610-10-W	6	10	R3/8	19	91.5	22	32	12	17.5	21.5	10	19.5	12	45	13	35.8	65
GWMF610-15-W	6	10	R1/2	19	94.5	22	32	15	17.5	21.5	10	19.5	12	45	13	35.8	78
GWMF612-10-W	8	12	R3/8	22	100	24.5	36	12	19	23	11.5	22	13	51	15	38.2	86
GWMF612-15-W	8	12	R1/2	22	103	24.5	36	15	19	23	11.5	22	13	51	15	38.2	95

Note: "Clean room specifications" code is omitted in model number above.

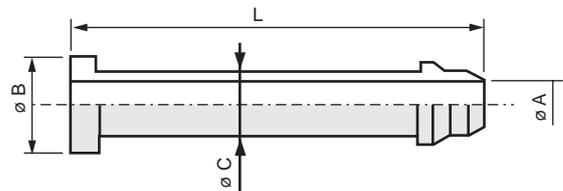
Model No.	Applicable tube O.D. φ		L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	F <sub>1</sub>	F <sub>2</sub>	N <sub>1</sub>	N <sub>2</sub>	P	Effective cross-sectional area mm <sup>2</sup>	Weight g
	Q1	Q2												
GWMF4 8-0-W	4	8	66	19.5	29.5	16	19	10	17.5	10.5	38	10.5	22	24
GWMF610-0-W	6	10	78.5	22	32	17.5	21.5	10	19.5	12	45	13	30.4	37
GWMF612-0-W	8	12	87	24.5	36	19	23	11.5	22	13	51	15	36	47

Note: "Clean room specifications" code is omitted in model number above.

Insert ring (for tube U-92\* U-95\*) [Custom order product]

● INS-U □ -1-P7\*/P80

Material: Brass + electroless nickeling



● Tube for tube U-92\*\* U-95\*\*

Model No.	ø A	ø B	ø C	L	Weight g
INS-U32-1	1.1	2.2	1.7	12.7	0.2
INS-U04-1	1.1	3	1.8	17	0.3
INS-U06-1	3	5	3.8	18	1
INS-U08-1	4	7	4.8	21	1.2
INS-U10-1	5.5	9	6.3	23.5	1.7
INS-U12-1	7	11	7.8	25	2.5

\* Tube for NU is available as custom-order.

\* Use insert ring if tube U-92, U-95\* or NU is used for a vacuum circuit.

Note: "Clean room specifications" code is omitted in model number above.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/ tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending