

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
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

GWJ

Fitting (small size)

Port size M3 to 1/8 (Rc or R)



● Small push-in fittings suitable for various applications

Space saving with smaller body. Dead space of pipe can be decreased dramatically.

Straight							
Single straight/ GWJS□-□		Female straight/ GWJS3-□-M		Bulkhead/ GWJS3-0-X		Straight/ GWJS3-0	
	Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø
	3.2		3.2		3.2		3.2
	4						
	6						
·Refer to page: 840		·Refer to page: 840		·Refer to page: 840		·Refer to page: 840	
Elbow							
Different diameter straight/ GWJS□-0		Single elbow/ GWJL□-□		Long elbow/ GWJL□-□-L		Elbow/ GWJL3-0	
	Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø
	3.2, 4		3.2		3.2		3.2
	3.2, 6		4		4		
			6		6		
·Refer to page: 840		·Refer to page: 840		·Refer to page: 841		·Refer to page: 841	
Tee							
Double tee/ GWJT3-□		D tee/ GWJT3-□-D		Tee/ GWJT3-0		Y tee/ GWJY□-0	
	Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø		Compatible Tube O.D. ø
	3.2		3.2		3.2		3.2, 3.2
							3.2, 4
·Refer to page: 841		·Refer to page: 841		·Refer to page: 841		·Refer to page: 841	
Plug							
Blanking plug/ GWJP3-B							
	Compatible Tube O.D. ø						
	3.2						
·Refer to page: 842		● Sales unit is 10 pcs./bag.					

● Sales unit is 10 pcs./bag.

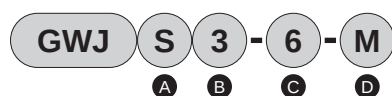
Specifications

Item	GWJ
Working fluid	Compressed air
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)
Ambient temperature °C	-10 (14°F) to 60 (140°F) (no freezing)
Tube used	Soft nylon tube (model No. F-1532, F-1504, F-1506) Urethane tube (model No. U-9532, U-9504, U-9506, NU-04, NU-06) Note

Note: Refer to page 902 for tube dimensions, ambient temperature and working pressure.

How to order

* Refer to the model No. on the dimensions page (pages 840 to 842) for the model No. combination.



A Shape		B Compatible tube O.D.		C Port size		D Other combinations	
S	Straight	3	ø3.2	M3	M3x0.5	L	Long
L	Elbow	4	ø4	M5	M5x0.8	D	D type
Y	Y tee	6	ø6	6	R1/8	X	Bulkhead
T	Tee			0	No thread	M	Female
P	Plug			B	Blanking plug		

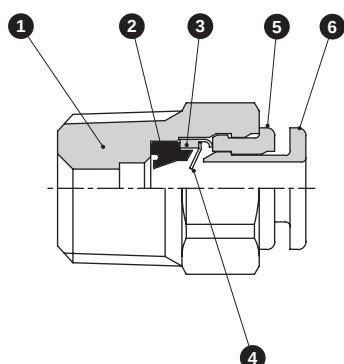
Note: Sales unit is 10 pcs./bag.

Clean-room specifications (Catalog No. CB-033SA)

GWJ- P7*

GWJ- P80

Internal structure and main parts list



No.	Name	Material
1	Body *1	Copper alloy (electroless nickeling treatment) Polybutylene terephthalate
2	Packing	Nitrile rubber
3	Holder	Copper alloy (electroless nickeling treatment)
4	Chuck	Stainless steel
5	Outer ring	Metal : Polyacetal Resin : CU alloy (electroless Ni treatment)
6	Push ring *2	Polyacetal

*1: The body of the single straight, female straight and bulkhead is copper alloy (electroless nickeling).

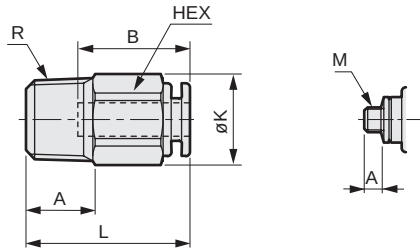
*2: Standard push ring color: white, clean-room specifications P70: pink, P74: orange, P80: light blue.

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Film Resist FR
Oil-ProhrR
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

Dimensions: Single straight/female straight/bulkhead/straight/different diameter straight/single elbow

Single straight

● GWJS□-□

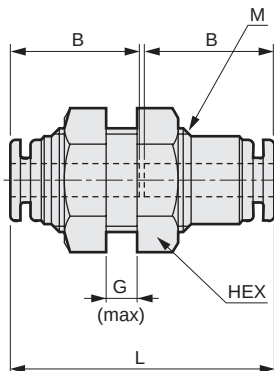


Dimensions with * are for model with punched hexagon hole.

Model No.	Tube O.D. ø	R M	HEX	K	L	A	B	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJS3-M3	3.2	M3x0.5	8	8.8	17	2.4	12.5	1.2	0.9	2.4
GWJS3-M5		M5x0.8	8	8.8	18	3.4	12.5	2.5	2.5	3
GWJS3- 6		1/8	10	11	16.5	8	12.5	2.5*	2.5	5.9
GWJS4-M3	4	M3x0.5	10	11	18	2.4	13.5	1.2	0.9	7.1
GWJS4-M5		M5x0.8	10	11	19	3.4	13.5	2.5	4	5.2
GWJS4- 6		1/8	10	11	20	8	13.5	2.5*	4	7.1
GWJS6-M5	6	M5x0.8	11	12.1	20	3.4	14.5	2.5	4	4.9
GWJS6- 6		1/8	11	12.1	21.5	8	14.5	4*	11	6.8

Bulkhead

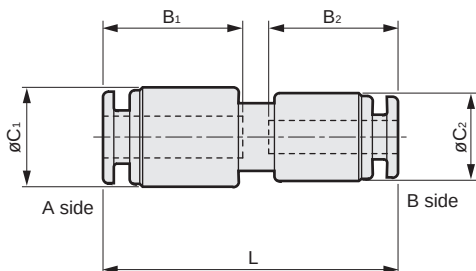
● GWJS3-0-X



Model No.	Tube O.D. ø	L	B	HEX	Min. bore size	M	Panel thickness/ G	Panel bore size	Eff. X-sectional area mm ²	Wt. g
GWJS3-0-X	3.2	26.5	12.5	12	2.5	M10x1.0	5	10.5	2.5	9.8

Different diameter straight

● GWJS□-0

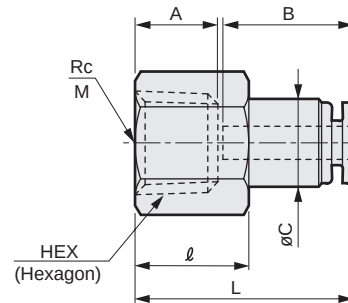


Model No.	Tube O.D. ø		L	B ₁	B ₂	C ₁	C ₂	Min. bore size	Eff. X-sectional area mm ²	Wt. g
	A side	B side								
GWJS34-0	4	3.2	28.5	13.5	12.5	9.6	8.5	2.2	2.5	3.1
GWJS36-0	6	3.2	28.5	14.5	12.5	11.8	8.8	2.2	2.5	4.1

Female straight

● GWJS3-□-M

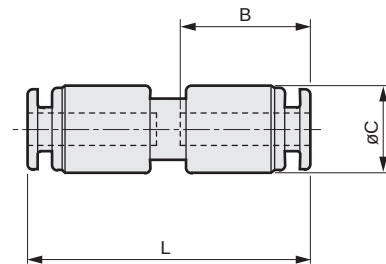
[Sales unit is 10 pcs./bag]



Model No.	Tube O.D. ø	Rc M	HEX	L	A	B	C	ℓ	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJS3-M3-M	3.2	M3x0.5	8	17.5	4	12.5	7.8	7.0	2.5	2.5	4
GWJS3-M5-M		M5x0.8	8	18.5	5	12.5	7.8	8.0	2.5	2.5	4
GWJS3- 6-M		1/8	12	21.5	8	12.5	8.5	11.0	2.5	2.5	4

Straight

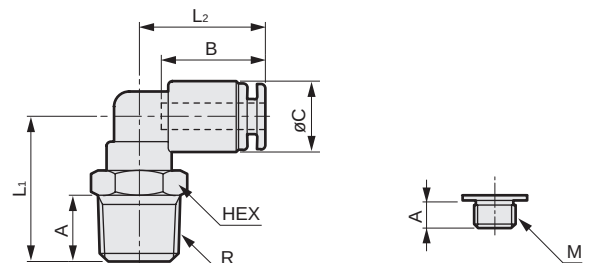
● GWJS3-0



Model No.	Tube O.D. ø	L	B	C	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJS3-0	3.2	27.5	12.5	8.5	2.2	2.5	2.4

Single elbow

● GWJL□-□



Model No.	Tube O.D. ø	R M	HEX	L ₁	L ₂	A	B	C	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJL3-M3	3.2	M3x0.5	8	13	15.5	2.4	12.5	8.5	1.2	0.8	3.3
GWJL3-M5		M5x0.8	8	13	15.5	3.4	12.5	8.5	2.2	2.5	3.6
GWJL3- 6		1/8	10	17.5	15.5	8	12.5	8.5	2.2	2.3	6
GWJL4-M3	4	M3x0.5	8	13	16.5	2.4	13.5	9.6	1.2	0.8	4
GWJL4-M5		M5x0.8	8	13	16.5	3.4	13.5	9.6	2.5	3	4.4
GWJL4- 6		1/8	10	17.5	16.5	8	13.5	9.6	2.5	3	6.8
GWJL6-M5	6	M5x0.8	10	15.5	18.5	3.4	14.5	11.8	2.5	3.5	7
GWJL6- 6		1/8	10	18.5	18.5	8	14.5	11.8	4	9.5	8.4

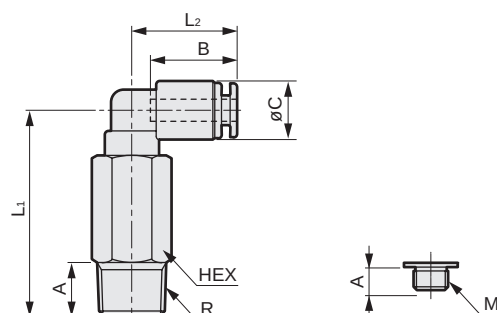


Dimensions: Long elbow/elbow/double tee/D tee/tee/Y tee

[Sales unit is 10 pcs./bag]

Long elbow

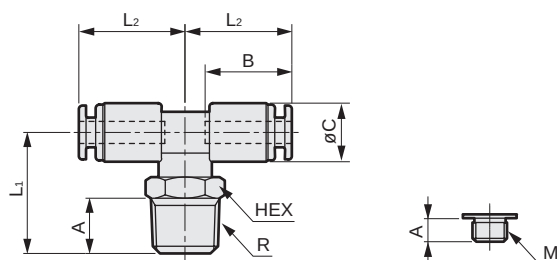
● GWJL□-□-L



Model No.	Tube O.D. Ø	R M	HEX	L ₁	L ₂	A	B	C	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJL3-M3-L	3.2	M3x0.5	8	25.5	15.5	2.4	12.5	8.5	1.2	0.8	8.2
GWJL3-M5-L		M5x0.8	8	25.5	15.5	3.4	12.5	8.5	2.2	2.3	8.6
GWJL3-6-L		1/8	10	30	15.5	8	12.5	8.5	2.2	2.3	13
GWJL4-M5-L	4	M5x0.8	8	25.5	16.5	3.4	13.5	9.6	2.5	3	9.4
GWJL4-6-L		1/8	10	30	16.5	8	13.5	9.6	2.5	3	14
GWJL6-M5-L	6	M5x0.8	10	30.5	18.5	3.4	14.5	11.8	2.5	3.5	16
GWJL6-6-L		1/8	10	33.5	18.5	8	14.5	11.8	4	8.5	16

Double tee

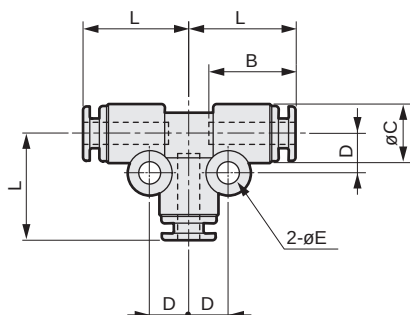
● GWJT3-□



Model No.	Tube O.D. Ø	R M	HEX	L ₁	L ₂	A	B	C	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJT3-M3	3.2	M3x0.5	8	13	15.5	2.4	12.5	8.5	1.2	0.9	4.4
GWJT3-M5		M5x0.8	8	13	15.5	3.4	12.5	8.5	2.2	2.7	4.7
GWJT3-6		1/8	10	17.5	15.5	8	12.5	8.5	2.2	2.7	7.1

Tee

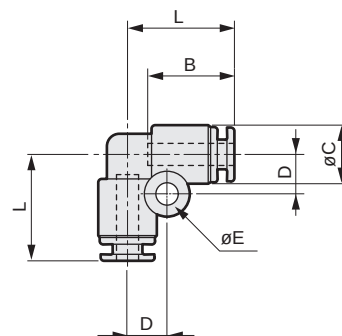
● GWJT3-0



Model No.	Tube O.D. Ø	L	B	C	D	E	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJT3-0	3.2	15.5	12.5	8.5	5.7	3.2	2.2	2.7	2.4

Elbow

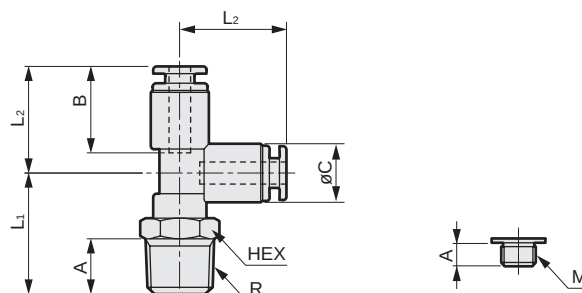
● GWJL3-0



Model No.	Tube O.D. Ø	L	B	C	D	E	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJL3-0	3.2	15.5	12.5	8.5	5.7	3.2	2.2	2.3	2.8

D tee

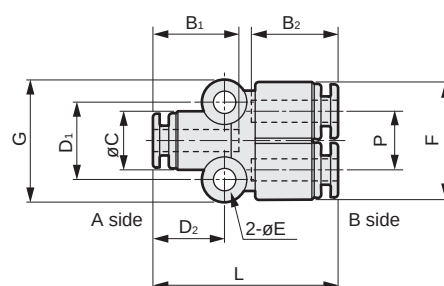
● GWJT3-□-D



Model No.	Tube O.D. Ø	R M	HEX	L ₁	L ₂	A	B	C	Min. bore size	Eff. X-sectional area mm ²	Wt. g
GWJT3-M3-D	3.2	M3x0.5	8	13	15.5	2.4	12.5	8.5	1.2	0.9	4.4
GWJT3-M5-D		M5x0.8	8	13	15.5	3.4	12.5	8.5	2.2	2.7	4.8
GWJT3-6-D		1/8	10	17.5	15.5	8	12.5	8.5	2.2	2.7	7.2

Y tee

● GWJY□-0



Model No.	Tube O.D. Ø		L	B ₁	B ₂	C	D ₁	D ₂	E	F	P	G	Eff. X-sectional area mm ²	Wt. g
GWJY33-0	3.2	3.2	27	12.5	12.5	8.5	11.2	10.5	3.2	17	8.5	17.7	2.7	4
GWJY43-0	4	3.2	28.5	13.5	12.5	9.6	12.2	12	3.2	17	8.5	18.7	2.7	4.9

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Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
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Silncr
CheckV/ other
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MainFiltr Dischrg etc
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VacF/R
Clean FR
ElecPneuR
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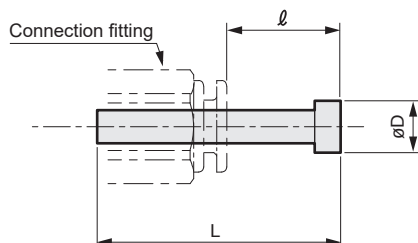
Dimensions: Blanking plug



[Sales unit is 10 pcs./bag]

Blanking plug

- GWJP3-B
- GWP□-B



Material: Polyamide

Model No.	Fitting port size ø	L	L*	D	Weight g
GWJP3-B	3.2	23.5	11	5	0.2
GWP 4-B	4	27	13.5	6	0.5
GWP 6-B	6	29	14.5	8	1

* For connection fitting, dimensions of CKD (GWJ Series) are shown.