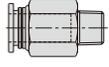
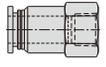
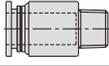
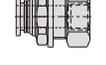


## Metal one-touch fittings

### Ordering code

BPC 6 01 □

① ② ③ ④

① Model		② Port size	③ Thread connection	④ Thread type
BPC: Metal male connector 	BPCF: Metal female connector 	4: Φ4mm 6: Φ6mm 8: Φ8mm 10: Φ10mm 12: Φ12mm	M5: M5X0.8 01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	Blank: PT
BPOC: Hexagon socket head metal male connector 	BPMF: Metal bulkhead female connector 			

### Specification

<b>Operating pressure range</b>	0~9kgf/cm <sup>2</sup> (0~0.9MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	1.5MPa
Ambient and fluid temperature (°C)	0~150
Applicable tubing	Soft nylon or polyurethane
Color	Gray/black

Note: The temperature resistance level of the tubing should be confirmed first when used in high temperature environments.

### Product feature

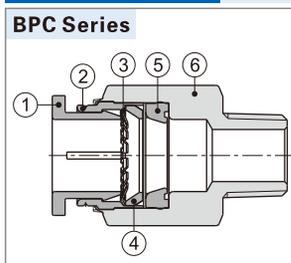
1. High flow capacity; The flow rate of these fittings is equivalent to that of the adaptable tubings.
2. Inserting or removal tubing is simple and convenient, and the connecting portion is reliable and durable.
3. Sealant is coated on threaded portion.
4. The fitting metal body adopts a special nickel-plating process, which has good corrosion resistance.
5. Metal fittings can be used in high temperature environment.

### Table for interface port and tube O.D.

Product series	Thread type	Port size				
		Φ4	Φ6	Φ8	Φ10	Φ12
BPC	1/8"	●	●	●	●	
	1/4"	●	●	●	●	●
	3/8"		●	●	●	●
BPOC	1/2"				●	●
	M5	●	●			
	1/8"	●	●	●		
	1/4"		●	●	●	
BPCF	3/8"				●	●
	1/2"					●
	1/8"	●	●	●		
BPMF	1/4"		●	●	●	
	3/8"				●	●
	1/2"					●
	1/8"	●	●	●		

### Inner structure

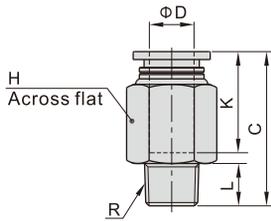
BPC Series		
NO.	Name	Material
1	Metal connector	Brass
2	Locating ring	Aluminum alloy
3	Spring gasket	Stainless steel
4	Locating seat	Aluminum alloy
5	Special shape O-ring	Viton
6	Straight connector body	Brass



## Metal one-touch fittings

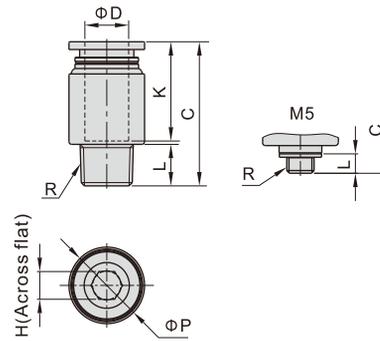
### Dimensions

#### BPC Series



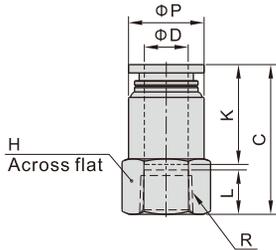
Model/Item	ΦD	R	L	C	K	H	Weight(g)	PCS/bag
BPC401	4	PT1/8	7.5	19.5	14	10	7.9	10
BPC402		PT1/4	10	19	14	14	8.7	10
BPC601	6	PT1/8	7.5	21.5	18	12	14.2	10
BPC602		PT1/4	10	24	18	14	19.1	10
BPC603	8	PT3/8	11	22.5	18	17	26.8	10
BPC801		PT1/8	7.5	27.5	18	14	16.1	10
BPC802	10	PT1/4	10	26.5	18	14	16	10
BPC803		PT3/8	11	23	18	17	25.4	10
BPC1001	12	PT1/8	7.5	29.5	20.5	17	24.5	10
BPC1002		PT1/4	10	32	20.5	17	28	10
BPC1003	10	PT3/8	11	27.5	20.5	17	34.6	10
BPC1004		PT1/2	14	25.5	20.5	21	39.3	10
BPC1201	12	PT1/4	10	34.5	22	21	44.5	10
BPC1203		PT3/8	11	30	22	21	34.2	10
BPC1204	12	PT1/2	14	32	22	21	47	10

#### BPOC Series



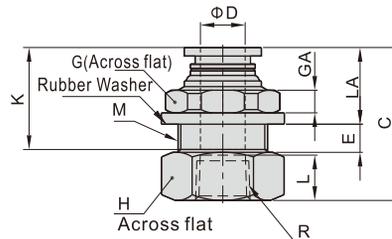
Model/Item	ΦD	R	ΦP	L	C	K	H	Weight(g)	PCS/bag
BPOC4M5	4	M5X0.8	9	3.5	18.5	14	2	4.4	10
BPOC401		PT1/8	10	7.5	17.5	14	2.5	6.6	10
BPOC6M5	6	M5X0.8	12	3.5	21	16	2	7.1	10
BPOC601		PT1/8	12	7.5	21.5	18	4	8.4	10
BPOC602	8	PT1/4	14	10	21.5	18	4	13.6	10
BPOC801		PT1/8	14	7.5	26	17.5	5	12.3	10
BPOC802	10	PT1/4	14	10	24.5	17.5	6	12.7	10
BPOC1002		PT1/4	17	10	28.5	20.5	6	18.5	10
BPOC1003	12	PT3/8	17	11	27.5	20.5	8	24.9	10
BPOC1203		PT3/8	21	11	29.5	22	8	30.4	10
BPOC1204	12	PT1/2	21	14	31.5	22	8	42.4	10

#### BPCF Series



Model/Item	ΦD	R	ΦP	L	C	K	H	Weight(g)	PCS/bag
BPCF401	4	PT1/8	9.5	8	23	14	14	5.3	10
BPCF601		PT1/8	12.5	8	25	16	14	7.2	10
BPCF602	6	PT1/4	12.5	11	28	16	17	9.2	10
BPCF801		PT1/8	14	8	27	18	14	7.1	10
BPCF802	8	PT1/4	14.5	11	30	18	17	10.6	10
BPCF1002		PT1/4	17	11	32.5	20.5	17	13.5	10
BPCF1003	10	PT3/8	18	12	33.5	20.5	21	17.5	10
BPCF1203		PT3/8	21	12	35	22	21	22	10
BPCF1204	12	PT1/2	21	13.5	36.5	22	25	24.9	10

#### BPMF Series



Model/Item	ΦD	R	M	L	C	K	LA	E	GA	G	H	Weight(g)	PCS/bag
BPMF401	4	PT1/8	M12X1	8	25	14	12	4	4	14	14	7.6	10
BPMF601		PT1/8	M14X1	8	25	16	12	5	4	17	17	10.4	10
BPMF602	6	PT1/4	M14X1	11	30	16	12	5	4	17	17	12.2	10
BPMF801		PT1/8	M16X1	8	27	18	13	5.5	4	19	19	13.9	10
BPMF802	8	PT1/4	M16X1	11	31.5	18	13	5.5	4	19	19	15.3	10
BPMF1002		PT1/4	M20X1	11	34.5	20.5	14	7.5	5	24	22	26.2	10
BPMF1003	10	PT3/8	M20X1	12	35.5	20.5	14	7.5	5	24	22	24.4	10
BPMF1203		PT3/8	M22X1	12	37	22	15	8	6	27	24	32.6	10
BPMF1204	12	PT1/2	M22X1	13.5	38.5	22	15	8	6	27	25	31.8	10

## One-touch fittings—threaded type

### Ordering code

BB 01 01 □  
 ① ② ③ ④

① Model	② Thread connection I	③ Thread connection II	④ Thread type
BB: Male connector 	BD: Male & female connector[Note1] 	BU: Double female connector 	BZ: Hexagon head cap plug[Note2] 
	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	Blank: PT

[Note1] For BD series, Thread I is Female thread, Thread II is male thread; [Note2] For BZ series, no thread II and thread I is male thread.

### Specification

Operating pressure range	0~10kgf/cm <sup>2</sup> (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	3.0MPa
Ambient and fluid temperature (°C)	0~150

### Product feature

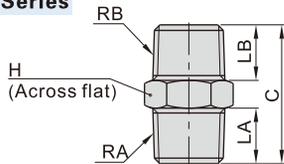
1. Variable models can be widely used in every kind of pneumatic systems.
2. High circulation performance bear the same flow with the volume of the tube innerdiameter.
3. The nickel plated body is anti-corrosion and anti-pollution, which allows a broader application.
4. Metal fittings can be used in high temperature environment.

### Configuration table of tubing thread

Product series	Thread connection I	Thread connection II			
		01	02	03	04
BB	01	●	●	●	●
	02		●	●	●
	03			●	●
	04				●
BD	01		●	●	●
	02			●	●
	03				●
	04				
BU	01	●			
	02		●		
	03			●	
	04				●
Product series	Thread connection				
	01	02	03	04	
BZ	●	●	●	●	

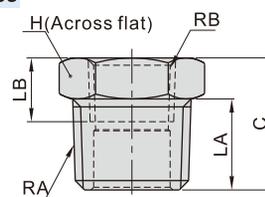
### Dimensions

#### BB Series



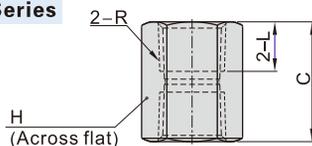
Model/Item	RA	RB	LA	LB	C	H	Weight(g)	PCS/bag
BB0101	PT1/8	PT1/8	7.5	7.5	19.5	10	6.6	10
BB0102	PT1/4	PT1/8	10	7.5	22.5	14	12.1	10
BB0103	PT3/8	PT1/8	11	7.5	24	17	18.3	10
BB0202	PT1/4	PT1/4	10	10	25	14	14.6	10
BB0203	PT3/8	PT1/4	11	10	26.5	17	20.3	10
BB0204	PT1/2	PT1/4	14	10	30	21	34.3	10
BB0303	PT3/8	PT3/8	11	11	27.5	17	23.2	10
BB0304	PT1/2	PT3/8	14	11	31	21	36.2	10
BB0404	PT1/2	PT1/2	14	14	34	21	42.8	10

#### BD Series



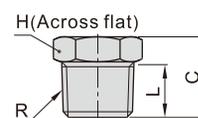
Model/Item	RA	RB	LA	LB	C	H	Weight(g)	PCS/bag
BD0102	PT1/4	PT1/8	10	8	14.5	14	8.8	10
BD0103	PT3/8	PT1/8	11	8	16	17	17.1	10
BD0104	PT1/2	PT1/8	14	8	19.5	21	33.1	10
BD0203	PT3/8	PT1/4	11	11	16	17	12.7	10
BD0204	PT1/2	PT1/4	14	11	19.5	21	29.9	10
BD0304	PT1/2	PT3/8	14	12	19.5	21	22.5	10

#### BU Series



Model/Item	R	L	C	H	Weight(g)	PCS/bag
BU0101	PT1/8	8	17	12	8.4	10
BU0202	PT1/4	11	23	17	25.4	10
BU0303	PT3/8	12	25	21	40	10
BU0404	PT1/2	13.5	28	24	46.6	10

#### BZ Series



Model/Item	R	L	C	H	Weight(g)	PCS/bag
BZ01	PT1/8	7.5	11	10	4.6	10
BZ02	PT1/4	10	14.5	14	10.8	10
BZ03	PT3/8	11	16	17	17.4	10
BZ04	PT1/2	14	19.5	21	33	10

## One-touch fittings—threaded type

### Ordering code

BKC 06 04 - 01 □

① ② ③ ④ ⑤

① Model	② Tubing outer diameter	③ Tubing inner diameter	④ Thread connection	⑤ Thread type
BKC: Straight locknut connector 	04: Φ4mm 06: Φ6mm 08: Φ8mm 10: Φ10mm 12: Φ12mm	25: Φ2.5mm 04: Φ4mm 05: Φ5mm 06: Φ6mm 65: Φ6.5mm 75: Φ7.5mm 08: Φ8mm 09: Φ9mm	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	Blank: PT

Note: When using the tubing Φ8×Φ5.5, the straight lock nut connector of BKC0806 can be used.

### Specification

Operating pressure range	0~10kgf/cm <sup>2</sup> (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	3.0MPa
Ambient and fluid temperature (°C)	0~150

Note: The temperature resistance level of the tubing should be confirmed first when used in high temperature environments.

### Product feature

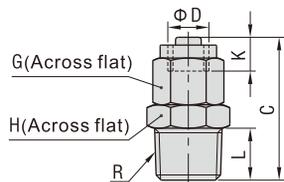
1. Variable models can be widely used in every kind of pneumatic systems.
2. High circulation performance bear the same flow with the volume of the tube innerdiameter.
3. The nickel plated body is anti-corrosion and anti-pollution, which allows a broader application.
4. Metal fittings can be used in high temperature environments.

### Configuration table of tubing and tubing thread

Product series	Tubing outer diameter	Tubing inner diameter	Thread connection			
			01	02	03	04
BKC	04	25	●			
	06	04	●	●	●	
	08	05	●	●	●	
		06	●	●	●	
	10	65		●	●	●
		75		●	●	●
	12	08		●	●	●
		09		●	●	●

### Dimensions

#### BKC Series



Model\Item	ΦD		R	L	C	K	G	H	Weight (g)	PCS/bag	
	O.D	I.D									
BKC0425-01	4	2.5	PT1/8	7.5	20.5	5	8	10	7.1	10	
BKC0604-01	6	4	PT1/8	7.5	22	5.5	10	10	9.9	10	
BKC0604-02			PT1/4	10	25.5			14	15.8	10	
BKC0604-03			PT3/8	11	27			17	22.5	10	
BKC0805-01	8	5	PT1/8	7.5	24	6.5	12	12	12.8	10	
BKC0805-02			PT1/4	10	27.5			14	17.2	10	
BKC0805-03			PT3/8	11	29			17	23.7	10	
BKC0806-01			5.5 or 6	PT1/8	7.5			24	12	13.1	10
BKC0806-02				PT1/4	10			27.5	14	17.2	10
BKC0806-03	PT3/8	11		29	17	23.6	10				

Model\Item	R	ΦD		L	C	K	G	H	Weight (g)	PCS/bag
		O.D	I.D							
BKC1065-02	PT1/4	10	6.5	10	30	7.5	15	15	25.3	10
BKC1065-03	PT3/8			11	31.5			17	29.1	10
BKC1065-04	PT1/2			14	35.5			21	44	10
BKC1075-02	PT1/4			7.5 or 8	10			30	15	24.1
BKC1075-03	PT3/8	11	31.5			17	28.9	10		
BKC1075-04	PT1/2	14	35.5	21	43.6	10				
BKC1208-02	PT1/4	12	8	10	30	7.5	17	17	30.5	10
BKC1208-03	PT3/8			11	31.5			17	32.1	10
BKC1208-04	PT1/2			14	35.5			21	46.7	10
BKC1209-02	PT1/4			9 or 10	10			30	17	30.6
BKC1209-03	PT3/8	11	31.5			17	31.9	10		
BKC1209-04	PT1/2	14	35.5			21	46.4	10		

### Installation and application

1. Method of inserting or removal a tubing
  - 1.1 Inserting a tubing  
Place the locking cap over the tubing, and insert the tubing into the body, then tighten the locking cap. (As figure 1)
  - 1.2 Removing a tubing  
Loosen the locking cap first, then remove the tubing. (As figure 2)
2. Method of tightening the connector thread  
Tighten the connector with a hex wrench, as shown right.

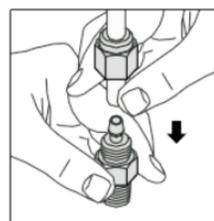


Figure 1

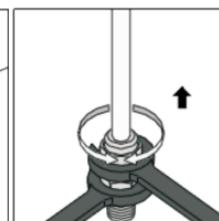


Figure 2

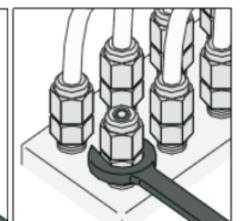


Figure 3