

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers

Product feature

1. The quick plug-in pneumatic pipe joint is used for pneumatic pipe system.
2. There are many kinds of pipe joints, which can be used in all kinds of gas pipe systems.
3. Even after installation, the direction of the pipe can be changed freely.
4. Nickel plated copper body can prevent corrosion and pollution.
5. All R and NPT thread sealants are used for sealing.
6. Standard O-rings are used for all straight threads.

Specifications

Using fluids	Air, water (conditional)
Working pressure range	0~1.2MPa
Use vacuum pressure	-100KPa (10Torr)
Working temperature range	-10~60℃



Warning

Water (conditional)

1. Service temperature: 0~60℃
2. Working pressure: 0~0.3MPa
3. There should be no water hammer (shock flow)
4. Be sure to install intubation

Ordering code (example)

PL 8 - G01

Model

Tube size

Tube size	Metric size					
Code name	4	6	8	10	12	16
Size (mm)	Φ4	Φ6	Φ8	Φ10	Φ12	Φ16

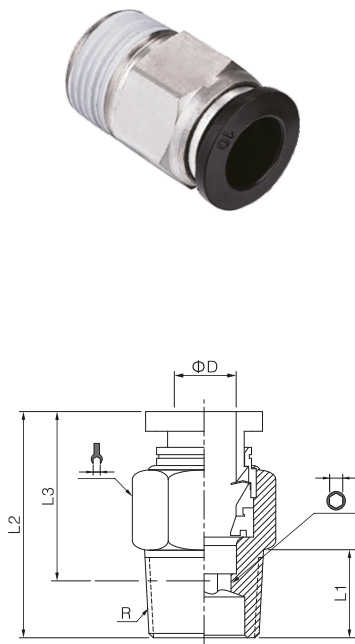
Tube size	Inch size					
Code name	5/32	3/16	1/4	5/16	3/8	1/2
Size (mm)	Φ3.96	Φ4.76	Φ6.35	Φ7.94	Φ9.53	Φ12.7

Thread specification

	55° taper pipe thread					Metric thread			55° straight pipe thread				
Code name	01	02	03	04	06	M3	M5	M6	G01	G02	G03	G04	G06
Thread	R1/8	R1/4	R3/8	R1/2	R3/4	M3x0.5	M5x0.8	M6x1.0	G1/8	G1/4	G3/8	G1/2	G3/4

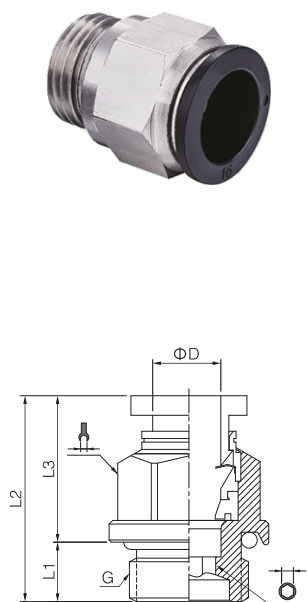
	Unified fine thread/UNF			American 60° tapered pipe thread				
Code name	U10			N01	N02	N03	N04	N06
Thread	10-32UNF			NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

PC-R Series



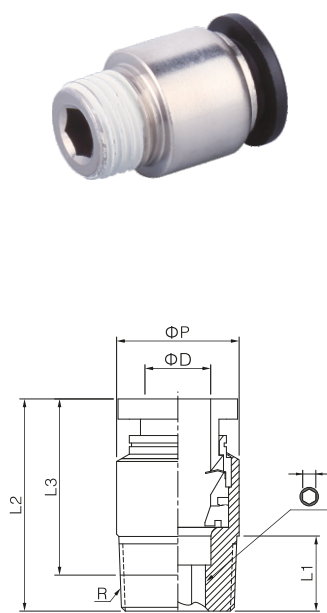
Model	ΦD	R	L1	L2	L3	⌀	⌀I
PC4-M5	4	M5	3.5	20	16.5	10	2
PC4-M6		M6	4	20.5	16.5	10	2.5
PC4-01		R1/8	7.5	19.5	15.5	10	3
PC4-02		R1/4	10	19.5	13.5	14	3
PC4-03	6	R3/8	10.5	20.5	14	17	3
PC6-M5		M5	3.5	21	17.5	12	2
PC6-M6		M6	4	21.5	17.5	12	2.5
PC6-01		R1/8	7.5	21	17	12	4
PC6-02	8	R1/4	10	23	17	14	4
PC6-03		R3/8	10.5	21	14.5	17	4
PC6-04		R1/2	13.5	25	16.5	21	4
PC8-01		R1/8	7.5	26.5	22.5	14	5
PC8-02	10	R1/4	10	25	19	14	6
PC8-03		R3/8	10.5	21.5	15	17	6
PC8-04		R1/2	13.5	25.5	17.5	21	6
PC10-01		R1/8	7.5	29	25	17	5
PC10-02	12	R1/4	10	31	25	17	6
PC10-03		R3/8	10.5	27	20.5	17	8
PC10-04		R1/2	13.5	26.5	18	21	8
PC10-06		R3/4	15	28	18.5	27	8
PC12-01	14	R1/8	7.5	31.5	27.5	21	5
PC12-02		R1/4	10	34	28	21	6
PC12-03		R3/8	10.5	29.5	23	21	8
PC12-04		R1/2	13.5	32.5	24.5	21	10
PC12-06	16	R3/4	15	29	19.5	27	10
PC14-02		R1/4	10	34.5	28.5	22	6
PC14-03		R3/8	10.5	35	28.5	22	10
PC14-04		R1/2	13.5	33	24.5	22	10
PC14-06	16	R3/4	15	29.5	20	27	10
PC16-02		R1/4	10	36	30	24	6
PC16-03		R3/8	10.5	37	30.5	24	10
PC16-04		R1/2	13.5	37	28.5	24	12
PC16-06		R3/4	15	29.5	20	27	12

PC-G Series



Model	ΦD	G	L1	L2	L3		OI
PC4-G01	4	G1/8	5.5	19.5	14	10	3
PC4-G02		G1/4	6.5	19.5	13	12	3
PC6-G01	6	G1/8	5.5	20.5	15	12	4
PC6-G02		G1/4	6.5	21.5	15	12	4
PC6-G03		G3/8	7.5	21	13.5	16	4
PC6-G04	8	G1/2	10	23.5	13.5	17	4
PC8-G01		G1/8	5.5	26	20.5	14	5
PC8-G02		G1/4	6.5	23	16.5	14	6
PC8-G03		G3/8	7.5	24	16.5	16	6
PC8-G04		G1/2	10	25	15	19	6
PC10-G01	10	G1/8	5.5	28.5	23	17	5
PC10-G02		G1/4	6.5	29.5	23	17	6
PC10-G03		G3/8	7.5	26	18.5	17	8
PC10-G04		G1/2	10	26	16	19	8
PC12-G02	12	G1/4	6.5	31.5	25	20	6
PC12-G03		G3/8	7.5	32.5	25.5	20	8
PC12-G04		G1/2	10	30.5	20.5	20	10
PC14-G02	14	G1/4	6.5	32	25.5	22	6
PC14-G03		G3/8	7.5	33.5	26	22	10
PC14-G04		G1/2	10	31	21	24	10
PC16-G02	16	G1/4	6.5	33	26.5	24	6
PC16-G03		G3/8	7.5	34.5	27.5	24	10
PC16-G04		G1/2	10	37	27	24	12

POC-R Series



Model	ΦD	R	L1	L2	L3	ΦP	OI
POC4-M5	4	M5	3.5	20	16.5	10	2
POC4-M6		M6	4	20.5	16.5	10	2.5
POC4-01		R1/8	7.5	19.5	15.5	10	3
POC4-02		R1/4	10	19.5	13.5	14	3
POC6-M5	6	M5	3.5	21	17.5	12	2
POC6-M6		M6	4	21.5	17.5	12	2.5
POC6-01		R1/8	7.5	21	17	12	4
POC6-02		R1/4	10	23	17	14	4
POC6-03	8	R3/8	10.5	21	14.5	17	4
POC8-01		R1/8	7.5	26.5	22.5	14	5
POC8-02		R1/4	10	25	19	14	6
POC8-03		R3/8	10.5	21.5	15	17	6
POC8-04		R1/2	13.5	25.5	17.5	21	8
POC10-01	10	R1/8	7.5	29	25	17	5
POC10-02		R1/4	10	31	25	17	6
POC10-03		R3/8	10.5	27	20.5	17	8
POC10-04		R1/2	13.5	26	18	21	8
POC12-02	12	R1/4	10	34	28	21	6
POC12-03		R3/8	10.5	29.5	23	21	8
POC12-04		R1/2	13.5	32.5	24.5	21	10
POC16-03	16	R3/8	10.5	37	30.5	24	10
POC16-04		R1/2	13.5	37	28.5	24	12

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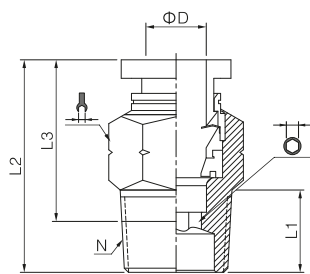
Air Gun

Tracheal
Scissors

Silencers

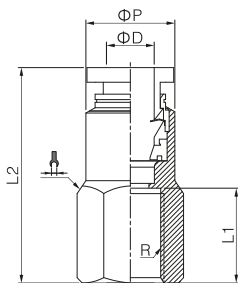
Fittings,
Air Hose

PC-NPT Series



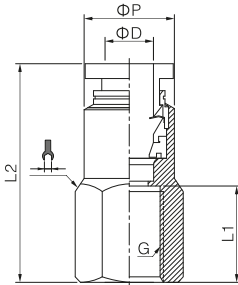
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PC1/8-U10	1/8	10-32UNF	3.5	20	16.5	7/16	2
PC1/8-N01		NPT1/8	7.5	19.5	15.5	7/16	2.4
PC1/8-N02		NPT1/4	10	19.5	13.5	9/16	2.4
PC5/32-U10	5/32	10-32UNF	3.5	20	16.5	7/16	2
PC5/32-N01		NPT1/8	7.5	19.5	16.5	7/16	3.2
PC5/32-N02		NPT1/4	10	19.5	13.5	9/16	3.2
PC3/16-U10	3/16	10-32UNF	3.5	20	16.5	7/16	2
PC3/16-N01		NPT1/8	7.5	19.5	15.5	7/16	4
PC3/16-N02		NPT1/4	10	19.5	13.5	9/16	4
PC1/4-U10	1/4	10-32UNF	3.5	21	17.5	1/2	2
PC1/4-N01		NPT1/8	7.5	21	17	1/2	4
PC1/4-N02		NPT1/4	10	23	17	9/16	4
PC1/4-N03		NPT3/8	10.5	21	15	11/16	4
PC5/16-N01	5/16	NPT1/8	7.5	26.5	22.5	9/16	5.6
PC5/16-N02		NPT1/4	10	25	19.5	9/16	6.4
PC5/16-N03		NPT3/8	10.5	21.5	15.5	11/16	6.4
PC5/16-N04		NPT1/2	13.5	25.5	17.5	7/8	6.4
PC3/8-N01	3/8	NPT1/8	7.5	29	22.5	11/16	5.6
PC3/8-N02		NPT1/4	10	31	25	11/16	6.4
PC3/8-N03		NPT3/8	10.5	27	21	11/16	8
PC3/8-N04		NPT1/2	13.5	26	18	7/8	8
PC1/2-N02	1/2	NPT1/4	10	34	28	7/8	6.4
PC1/2-N03		NPT3/8	10.5	30.5	24	7/8	9.6
PC1/2-N04		NPT1/2	13.5	32.5	24.5	7/8	9.6

PCF-R Series



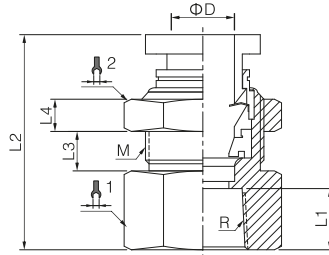
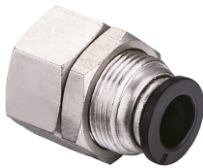
Model	ΦD	R	L1	L2	ΦP	Icon
PCF4-M5	4	M5	5	21.5	10	10
PCF4-M6		M6	5	21.5	10	10
PCF4-01		R1/8	8.5	24.5	10	14
PCF4-02		R1/4	11	27	10	17
PCF6-M5	6	M5	5	22	12	12
PCF6-M6		M6	5	22	12	12
PCF6-01		R1/8	8.5	25.5	12	14
PCF6-02		R1/4	11	28	12	17
PCF6-03	8	R3/8	11.5	28.5	12	20
PCF8-01		R1/8	8.5	27.5	14	14
PCF8-02		R1/4	11	30	14	17
PCF8-03		R3/8	11.5	30.5	14	20
PCF8-04		R1/2	14	33	14	24
PCF10-01	10	R1/8	8.5	30	17	17
PCF10-02		R1/4	11	32.5	17	17
PCF10-03		R3/8	11.5	33	17	20
PCF10-04		R1/2	14	35.5	17	24
PCF12-02	12	R1/4	11	35	20	20
PCF12-03		R3/8	11.5	35.5	20	20
PCF12-04		R1/2	14	38	20	24
PCF14-03	14	R3/8	11.5	36	22	22
PCF14-04		R1/2	14	38.5	22	24
PCF16-03	16	R3/8	11.5	37	24	24
PCF16-04		R1/2	14	39.5	24	24

PCF-G Series



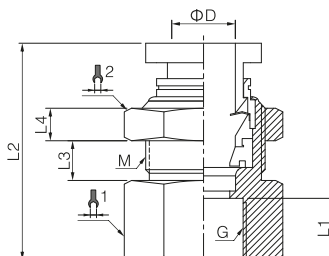
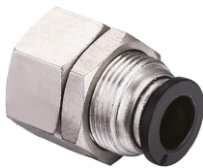
Model	ΦD	G	L1	L2	ΦP	
PCF4-G01	4	G1/8	8.5	24.5	10	14
PCF4-G02		G1/4	11	27	10	17
PCF6-G01	6	G1/8	8.5	25.5	12	14
PCF6-G02		G1/4	11	28	12	17
PCF6-G03		G3/8	11.5	28.5	12	20
PCF8-G01	8	G1/8	8.5	27.5	14	14
PCF8-G02		G1/4	11	30	14	17
PCF8-G03		G3/8	11.5	30.5	14	20
PCF8-G04		G1/2	14	33	14	24
PCF10-G01	10	G1/8	8.5	30	17	17
PCF10-G02		G1/4	11	32.5	17	17
PCF10-G03		G3/8	11.5	33	17	20
PCF10-G04		G1/2	14	35.5	17	24
PCF12-G02	12	G1/4	11	35	20	20
PCF12-G03		G3/8	11.5	35.5	20	20
PCF12-G04		G1/2	14	38	20	24
PCF14-G03	14	G3/8	11.5	36	22	22
PCF14-G04		G1/2	14	38.5	22	24
PCF16-G03	16	G3/8	11.5	37	24	24
PCF16-G04		G1/2	14	39.5	24	24

PMF-R Series



Model	ΦD	R	L1	L2	L3	L4	M		
PMF4-01	4	R1/8	8.5	24.5	5	3.5	M12×1.0	14	14
PMF4-02		R1/4	11	27	8	3.5	M12×1.0	17	14
PMF6-01	6	R1/8	8.5	25.5	5.5	4	M14×1.0	17	17
PMF6-02		R1/4	11	28.5	5.5	4	M14×1.0	17	17
PMF6-03		R3/8	11.5	29	5.5	4	M14×1.0	20	17
PMF8-01	8	R1/8	8.5	27.5	5.5	4.5	M16×1.0	19	19
PMF8-02		R1/4	11	30	5.5	4.5	M16×1.0	19	19
PMF8-03		R3/8	11.5	30.5	5.5	4.5	M16×1.0	20	19
PMF8-04		R1/2	14	33	5.5	4.5	M16×1.0	24	19
PMF10-02	10	R1/4	11	32.5	7	5	M18×1.0	21	21
PMF10-03		R3/8	11.5	33	7	5	M18×1.0	21	21
PMF10-04		R1/2	14	35.5	7	5	M18×1.0	24	21
PMF12-02	12	R1/4	11	35	9	5	M22×1.0	27	27
PMF12-03		R3/8	11.5	35.5	9	5	M22×1.0	27	27
PMF12-04		R1/2	14	38	9	5	M22×1.0	27	27

PMF-G Series



Model	ΦD	G	L1	L2	L3	L4	M		
PMF4-G01	4	G1/8	8.5	24.5	5	3.5	M12×1.0	14	14
PMF4-G02		G1/4	11	27	5	3.5	M12×1.0	17	14
PMF6-G01	6	G1/8	8.5	25.5	5.5	4	M14×1.0	17	17
PMF6-G02		G1/4	11	28.5	5.5	4	M14×1.0	17	17
PMF6-G03		G3/8	11.5	29	5.5	4	M14×1.0	20	17
PMF8-G01	8	G1/8	8.5	27.5	5.5	4.5	M16×1.0	19	19
PMF8-G02		G1/4	11	30	5.5	4.5	M16×1.0	19	19
PMF8-G03		G3/8	11.5	30.5	5.5	4.5	M16×1.0	20	19
PMF8-G04		G1/2	14	33	5.5	4.5	M16×1.0	24	19
PMF10-G02	10	G1/4	11	32.5	7	5	M18×1.0	21	21
PMF10-G03		G3/8	11.5	33	7	5	M18×1.0	21	21
PMF10-G04		G1/2	14	35.5	7	5	M18×1.0	24	21
PMF12-G02	12	G1/4	11	35	9	5	M22×1.0	27	27
PMF12-G03		G3/8	11.5	35.5	9	5	M22×1.0	27	27
PMF12-G04		G1/2	14	38	9	5	M22×1.0	27	27

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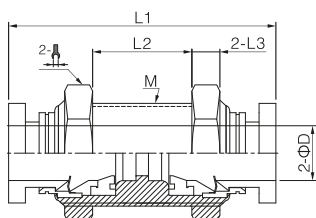
UN54D

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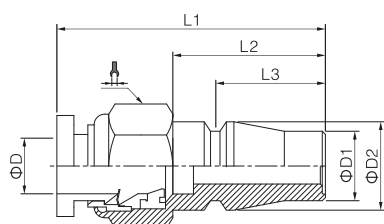
Silencers

PM Series

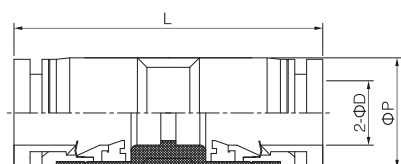


Model	ΦD	M	L1	L2	L3	
PM4	4	M12×1.0	31	13	3.5	14
PM6	6	M14×1.0	32.5	13	4	17
PM8	8	M16×1.0	37	15	4.5	19
PM10	10	M18×1.0	42	18.5	5	21
PM12	12	M22×1.0	46	20	5	27
PM14	14	M24×1.0	47	20	5.5	30
PM16	16	M26×1.0	49	22	6	32
PM5/32	5/32	M12×1.0	31	13	3.5	14
PM3/16	3/16	M12×1.0	31	13	3.5	14
PM1/4	1/4	M14×1.0	32.5	13	4	17
PM5/16	5/16	M16×1.0	37	15	4.5	18
PM3/8	3/8	M18×1.0	42	18.5	5	21
PM1/2	1/2	M22×1.0	46	20	5	27

PC-P Series

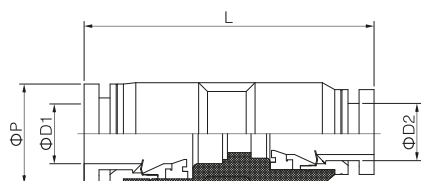
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PU Series



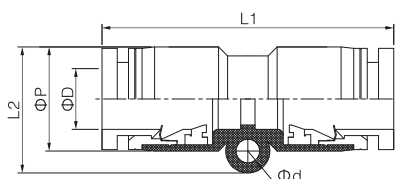
Model	ΦD	L	ΦP
PU4	4	33.5	11
PU6	6	34.5	13
PU8	8	40	14.5
PU10	10	44	18.5
PU12	12	48	21
PU14	14	51.5	23
PU16	16	63.5	26
PU5/32	5/32	33.5	11
PU3/16	3/16	33.5	11
PU1/4	1/4	34.5	13
PU5/16	5/16	40	14.5
PU3/8	3/8	44	18.5
PU1/2	1/2	48	21

PUG Series



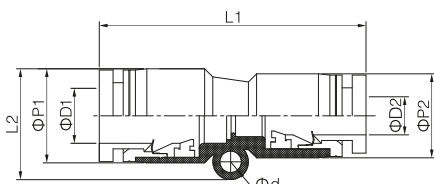
Model	ΦD1	ΦD2	L	ΦP
PUG6-4	6	4	34.5	13
PUG8-4	8	4	39	14.5
PUG8-6	8	6	39	14.5
PUG10-6	10	6	42.5	18.5
PUG10-8	10	8	43	18.5
PUG12-6	12	6	47.5	21
PUG12-8	12	8	48	21
PUG12-10	12	10	48.5	21
PUG14-12	14	12	51	23
PUG16-12	16	12	64	26
PUG16-14	16	14	65	26
PUG1/4-5/32	1/4	5/32	34.5	13
PUG5/16-5/32	5/16	5/32	39	14.5
PUG5/16-1/4	5/16	1/4	39	14.5
PUG3/8-1/4	3/8	1/4	42.5	18.5
PUG3/8-5/16	3/8	5/16	43	18.5
PUG1/2-1/4	1/2	1/4	47.5	21
PUG1/2-5/16	1/2	5/16	48	21
PUG1/2-3/8	1/2	3/8	48.5	21

PUC Series



Model	ΦD	L1	L2	ΦP	Φd
PUC4	4	33	13.5	11	3.2
PUC6	6	35	16	13	3.2
PUC8	8	38	17	14.5	3.2
PUC10	10	48	21.5	18.5	4.2
PUC12	12	49	24	21	4.2
PUC14	14	51.5	25.5	23	4.2
PUC16	16	64	28	26	5.2
PUC5/32	5/32	33	13.5	11	3.2
PUC3/16	3/16	33	13.5	11	3.2
PUC1/4	1/4	35	16	13	3.2
PUC5/16	5/16	38	17	14.5	3.2
PUC3/8	3/8	48	21.5	18.5	4.2
PUC1/2	1/2	49	24	21	4.2

PG Series



Model	ΦD1	ΦD2	L1	L2	ΦP1	ΦP2	Φd
PG6-4	6	4	34	15	13	11	3.2
PG8-4	8	4	36	16.5	14.5	13	3.2
PG8-6	8	6	36.5	16.5	14.5	13	3.2
PG10-6	10	6	43	19.5	18.5	14.5	3.2
PG10-8	10	8	43	19.5	18.5	14.5	3.2
PG12-6	12	6	47	23.5	21	18.5	4.2
PG12-8	12	8	47	23.5	21	18.5	4.2
PG12-10	12	10	48	23.5	21	18.5	4.2
PG14-12	14	12	51	25	23	23	4.2
PG16-12	16	12	64	28	26	26	5.2
PG16-14	16	14	64.5	28	26	26	5.2
PG1/4-5/32	1/4	5/32	34	15	13	11	3.2
PG5/16-5/32	5/16	5/32	36	16.5	14.5	13	3.2
PG5/16-1/4	5/16	1/4	36.5	16.5	14.5	13	3.2
PG3/8-1/4	3/8	1/4	46.5	19.5	18.5	14.5	3.2
PG3/8-5/16	3/8	5/16	47	19.5	18.5	14.5	3.2
PG1/2-1/4	1/2	1/4	47	23.5	21	18.5	4.2
PG1/2-5/16	1/2	5/16	47	23.5	21	18.5	4.2
PG1/2-3/8	1/2	3/8	48	23.5	21	18.5	4.2

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

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Speed
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Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

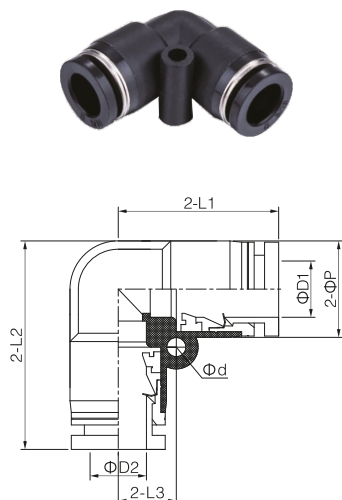
UN54D

Air Gun

Tracheal
Scissors

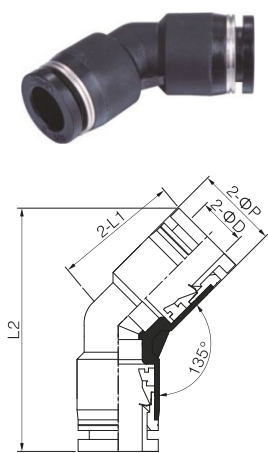
Silencers

PUL Series



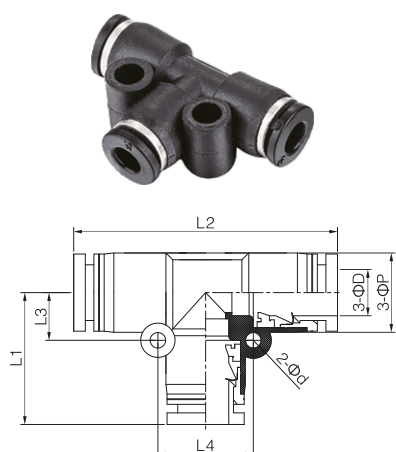
Model	ΦD1	ΦD2	L1	L2	L3	ΦP	Φd
PUL4	4		18.5	24	7	11	3.2
PUL6	6		19	25.5	8	13	3.2
PUL8	8		23	30.5	9	14.5	3.2
PUL10	10		27.5	37	11.5	18.5	4.2
PUL12	12		29	39.5	13	21	4.2
PUL14	14		30	41.5	13.5	23	4.2
PUL16	16		32.5	45.5	14	26	5.2
PUL6-4	6	4	19	25.5	8	13	3.2
PUL8-6	8	6	23	30.5	9	14.5	3.2
PUL10-8	10	8	27.5	37	11.5	18.5	4.2
PUL12-10	12	10	29	39.5	13	21	4.2
PUL14-12	14	12	30	41.5	13.5	23	4.2
PUL16-14	16	14	32.5	45.5	14	26	5.2
PUL5/32	5/32		18.5	24	7	11	3.2
PUL3/16	3/16		18.5	24	7	11	3.2
PUL1/4	1/4		19	25.5	8	13	3.2
PUL5/16	5/16		23	30.5	9	14.5	3.2
PUL3/8	3/8		27.5	37	11.5	18.5	4.2
PUL1/2	1/2		29	39.5	13	21	4.2

PUL135° Series



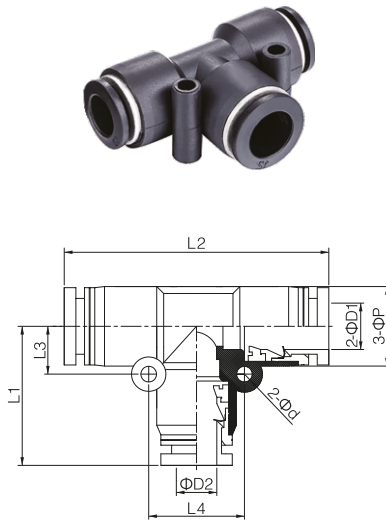
Model	ΦD	ΦP	L1	L2
PUL135°4	4	11	16.5	31.5
PUL135°6	6	13	17.5	34
PUL135°8	8	14.5	20.5	40.5
PUL135°10	10	18.5	24	46.5
PUL135°12	12	21	26	51.5
PUL135°5/32	5/32	11	16.5	31.5
PUL135°3/16	3/16	11	16.5	31.5
PUL135°1/4	1/4	13	17.5	34
PUL135°5/16	5/16	14.5	20.5	40.5
PUL135°3/8	3/8	18.5	24	46.5
PUL135°1/2	1/2	21	26	51.5

PUT Series



Model	ΦD	ΦP	L1	L2	L3	L4	Φd
PUT4	4	11	18.5	37	7	14	3.2
PUT6	6	13	19	38	8	16	3.2
PUT8	8	14.5	23	46	9	18	3.2
PUT10	10	18.5	27.5	55	11.5	23	4.2
PUT12	12	21	29	58	13	26	4.2
PUT14	14	23	30	60	13.5	27	4.2
PUT16	16	26	32.5	65	14	28	5.2
PUT5/32	5/32	11	18.5	37	7	14	3.2
PUT3/16	3/16	11	18.5	37	7	14	3.2
PUT1/4	1/4	13	19	38	8	16	3.2
PUT5/16	5/16	14.5	23	46	9	18	3.2
PUT3/8	3/8	18.5	27.5	55	11.5	23	4.2
PUT1/2	1/2	21	29	58	13	26	4.2

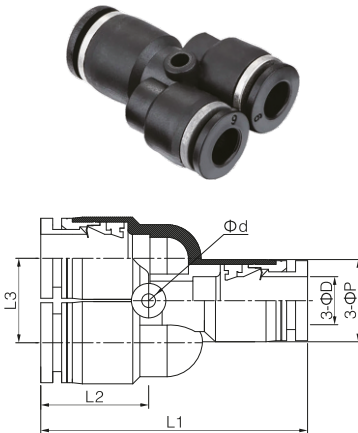
PGT Series



Model	ΦD1	ΦD2	ΦP	L1	L2	L3	L4	Φd
PGT6-4	6	4	13	19	38	8	16	3.2
PGT4-6	4	6	13	19	38	8	16	3.2
PGT8-6	8	6	14.5	22	46	9	18	3.2
PGT6-8	6	8	14.5	23	44	9	18	3.2
PGT10-8	10	8	18.5	27	55	11.5	23	4.2
PGT8-10	8	10	18.5	27.5	54	11.5	23	4.2
PGT12-10	12	10	21	29.5	59	13	26	4.2
PGT10-12	10	12	21	29	58	13	26	4.2
PGT14-12	14	12	23	29	60	13.5	27	4.2
PGT16-12	16	12	26	32	65	14	28	5.2
PGT16-14	16	14	26	32.5	65	14	28	5.2
PGT1/4-5/32	1/4	5/32	13	19	38	8	16	3.2
PGT5/32-1/4	5/32	1/4	13	19	38	8	16	3.2
PGT5/16-1/4	5/16	1/4	14.5	22	46	9	18	3.2
PGT1/4-5/16	1/4	5/16	14.5	22	44	9	18	3.2
PGT3/8-5/16	3/8	5/16	18.5	27	55	11.5	23	4.2
PGT5/16-3/8	5/16	3/8	18.5	27	54	11.5	23	4.2
PGT1/2-3/8	1/2	3/8	21	29.5	59	13	26	4.2
PGT3/8-1/2	3/8	1/2	21	29	58	13	26	4.2

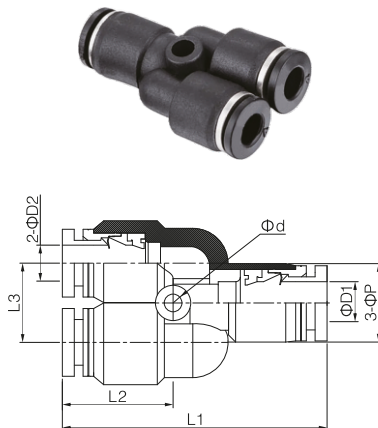
Note: Dg-Pnetic plastic body is used for diameter change of more than two gears.

PY Series



Model	ΦD	L1	L2	L3	ΦP	Φd
PY4	4	35.5	14	11	11	3.2
PY6	6	38	15	13	13	3.2
PY8	8	44.5	18.5	14.5	14.5	3.2
PY10	10	50	21	18	18.8	4.2
PY12	12	55	22	21	21	4.2
PY14	14	55.5	22	26	26	4.2
PY16	16	55.5	22	26	26	4.2
PY5/32	5/32	35.5	14	11	11	3.2
PY3/16	3/16	35.5	14	11	11	3.2
PY1/4	1/4	38	15	13	13	3.2
PY5/16	5/16	44.5	18.5	14.5	14.5	3.2
PY3/8	3/8	50	21	18	18.5	4.2
PY1/2	1/2	55	22	21	21	4.2

PW Series



Model	ΦD1	ΦD2	L1	L2	L3	ΦP	Φd
PW6-4	6	4	37	14.5	13	13	3.2
PW8-6	8	6	43.5	17.5	14.5	14.5	3.2
PW10-8	10	8	49.5	20.5	18	18.5	4.2
PW12-10	12	10	54.5	21.5	21	21	4.2
PW14-12	14	12	55	21.5	26	26	4.2
PW16-12	16	12	55	21.5	26	26	4.2
PW16-14	16	14	55.5	22	26	26	4.2
PW1/4-5/32	1/4	5/32	37	14.5	13	13	3.2
PW5/16-1/4	5/16	1/4	43.5	17.5	14.5	14.5	3.2
PW3/8-5/16	3/8	5/16	49.5	20.5	18	18.5	4.2
PW1/2-3/8	1/2	3/8	54.5	21.5	21	21	4.2

Note: Dg-Pnetic plastic body is used for diameter change of more than two gears.

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

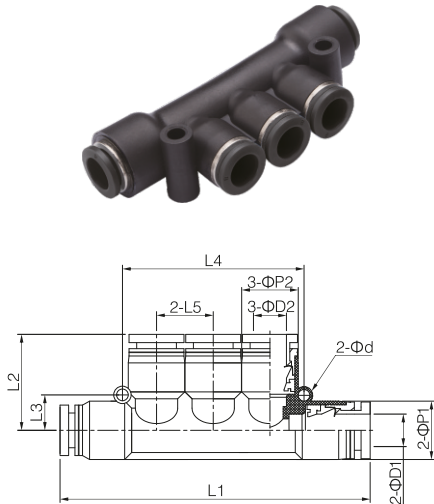
UN54D

Air Gun

Tracheal
Scissors

Silencers

PKG Series



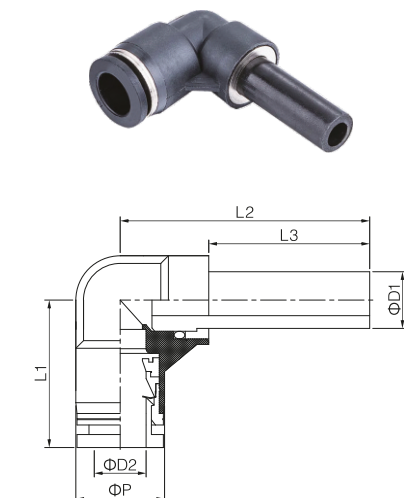
Model	ΦD1	ΦD2	L1	L2	L3	L4	L5	ΦP1	ΦP2	Φd
PK6-4	6	4	60	19	8	37.5	11	13	11	3.2
PK8-4	8	4	71	22	8.5	42	13	14.5	13	3.2
PK8-6	8	6	71	23	8.5	42	13	14.5	13	3.2
PK10-6	10	6	80.5	24	11	47.5	14.5	18.5	14.5	4.2
PK10-8	10	8	80.5	25	11	47.5	14.5	18.5	14.5	4.2
PK12-6	12	6	93.5	28	12.5	60	18.5	21	18.5	4.2
PK12-8	12	8	93.5	29	12.5	60	18.5	21	18.5	4.2
PK12-10	12	10	93.5	29.5	12.5	60	18.5	21	18.5	4.2
PK1/4-5/32	1/4	5/32	60	19	8	37.5	11	13	11	3.2
PK1/4-3/16	1/4	3/16	60	19	8	37.5	11	13	11	3.2
PK5/16-5/32	5/16	5/32	71	22	8.5	42	13	14.5	13	3.2
PK5/16-3/16	5/16	3/16	71	22	8.5	42	13	14.5	13	3.2
PK5/16-1/4	5/16	1/4	71	23	8.5	42	13	14.5	13	3.2
PK3/8-1/4	3/8	1/4	80.5	24	11	47.5	14.5	18.5	14.5	4.2
PK3/8-5/16	3/8	5/16	80.5	25	11	47.5	14.5	18.5	14.5	4.2
PK1/2-1/4	1/2	1/4	93.5	28	12.5	60	18.5	21	18.5	4.2
PK1/2-5/16	1/2	5/16	93.5	29	12.5	60	18.5	21	18.5	4.2
PK1/2-3/8	1/2	3/8	93.5	29.5	12.5	60	18.5	21	18.5	4.2

PGJ Series



Model	ΦD1	ΦD2	L1	L2	ΦP
PGJ6-4	6	4	38.5	22	11
PGJ8-4	8	4	40	25	11
PGJ8-6	8	6	41	25	13
PGJ10-6	10	6	41	26.5	13
PGJ10-8	10	8	45.5	26.5	14.5
PGJ12-6	12	6	40	26.5	13
PGJ12-8	12	8	43	26.5	14.5
PGJ12-10	12	10	51	26.5	18.5
PGJ1/4-5/32	1/4	5/32	38.5	22	11
PGJ5/16-5/32	5/16	5/32	40	25	11
PGJ5/16-1/4	5/16	1/4	41	25	13
PGJ3/8-1/4	3/8	1/4	41	26.5	13
PGJ3/8-5/16	3/8	5/16	45.5	26.5	14.5
PGJ1/2-1/4	1/2	1/4	40	26.5	13
PGJ1/2-5/16	1/2	5/16	43	26.5	14.5
PGJ1/2-3/8	1/2	3/8	51	26.5	18.5

PLJ Series



Model	ΦD1	ΦD2	L1	L2	L3	ΦP
PLJ4	4	4	18.5	28.5	18.5	11
PLJ6-4	6	4	18.5	29	19	11
PLJ6	6	6	19.5	30	19	13
PLJ8-6	8	6	22.5	35.5	22	14.5
PLJ8	8	8	23	35.5	22	14.5
PLJ10-8	10	8	26.5	39	23.5	18.5
PLJ10	10	10	27	39	23.5	18.5
PLJ12-10	12	10	27	42	26.5	18.5
PLJ12	12	12	29.5	42.5	26.5	21
PLJ5/32	5/32	5/32	18.5	28.5	18.5	11
PLJ1/4-5/32	1/4	5/32	18.5	29	19	11
PLJ1/4	1/4	1/4	19.5	30	19	13
PLJ5/16-1/4	5/16	1/4	22.5	35.5	22	14.5
PLJ5/16	5/16	5/16	23	35.5	22	14.5
PLJ3/8-5/16	3/8	5/16	26.5	39	23.5	18.5
PLJ3/8	3/8	3/8	27	39	23.5	18.5
PLJ1/2-3/8	1/2	3/8	27	42	26.5	18.5
PLJ1/2	1/2	1/2	29.5	42.5	26.5	21

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
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20 (Super
Mini Type)

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(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

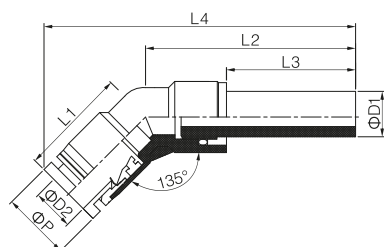
Air Gun

Tracheal
Scissors

Silencers

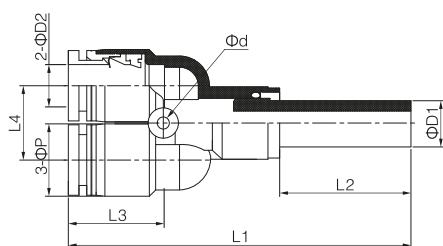
Fittings,
Air Hose

PLJ135° Series



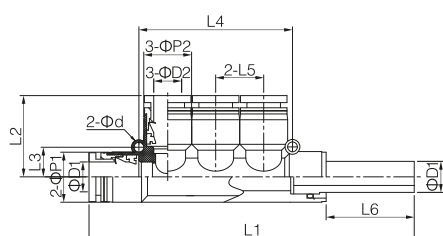
Model	ΦD1	ΦD2	ΦP	L1	L2	L3	L4
PLJ135°4	4	4	11	16.5	29	18.5	44
PLJ135°6-4	6	4	11	16.5	29.5	19	44.5
PLJ135°6	6	6	13	17.5	32	19	48.5
PLJ135°8-6	8	6	14.5	20	38	22	56
PLJ135°8	8	8	14.5	21	38	22	57.5
PLJ135°10-8	10	8	18.5	23	42	23.5	63
PLJ135°10	10	10	18.5	24	42	23.5	64.5
PLJ135°12-10	12	10	18.5	24	45	26.5	67.5
PLJ135°12	12	12	21	26	47	26.5	72
PLJ135°5/32	5/32	5/32	11	16.5	29	18.5	44
PLJ135°1/4-5/32	1/4	5/32	11	16.5	29.5	19	44.5
PLJ135°1/4	1/4	1/4	13	17.5	32	19	48.5
PLJ135°5/16-1/4	5/16	1/4	14.5	20	38	22	56
PLJ135°5/16	5/16	5/16	14.5	21	38	22	57.5
PLJ135°3/8-5/16	3/8	5/16	18.5	23	42	23.5	63
PLJ135°3/8	3/8	3/8	18.5	24	42	23.5	64.5
PLJ135°1/2-3/8	1/2	3/8	18.5	24	45	26.5	57.5
PLJ135°1/2	1/2	1/2	21	26	47	26.5	72

PYJ Series



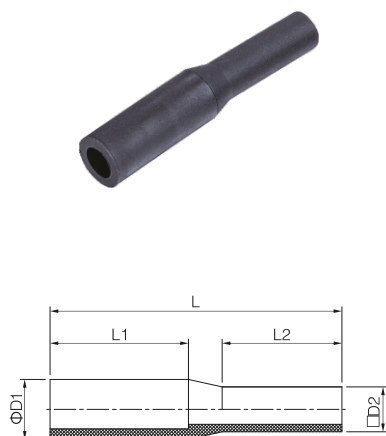
Model	ΦD1	ΦD2	L1	L2	L3	L4	ΦP	Φd
PYJ4	4	4	48.5	18.5	14	11	11	3.2
PYJ6-4	6	4	49.5	19	14	11	11	3.2
PYJ6	6	6	52.5	19	15	13	13	3.2
PYJ8-6	8	6	61	22	18	14.5	14.5	4.2
PYJ8	8	8	61.5	22	18.5	14.5	14.5	4.2
PYJ10-8	10	8	67.5	23.5	20.5	18	18.5	4.2
PYJ10	10	10	68	23.5	21	18	18.5	4.2
PYJ12-10	12	10	71	26.5	21	18	18.5	4.2
PYJ12	12	12	76	26.5	22	21	21	4.2
PYJ5-32	5/32	5/32	48.5	28.5	14	11	11	3.2
PYJ1/4-5/32	1/4	5/32	49.5	19	14	11	11	3.2
PYJ1/4	1/4	1/4	52.5	19	15	13	13	4.2
PYJ5/16-1/4	5/16	1/4	61	22	18	14.5	14.5	3.2
PYJ5/16	5/16	5/16	61.5	22	18.5	14.5	14.5	4.2
PYJ3/8-5/16	3/8	5/16	67.5	23.5	20.5	18	18.5	4.2
PYJ3/8	3/8	3/8	68	23.5	21	18	18.5	4.2
PYJ1/2-3/8	1/2	3/8	71	26.5	21	18	18.5	4.2
PYJ1/2	1/2	1/2	76	26.5	22	21	21	4.2

PKJ Series



Model	ΦD1	ΦD2	ΦP1	ΦP2	L1	L2	L3	L4	L5	L6	Φd
PKJ4	4	4	13	11	72.5	19	8	37.5	11	18.5	3.2
PKJ6-4	6	4	13	11	74.5	19	8	37.5	11	19	3.2
PKJ6	6	6	14.5	13	83.5	23	8.5	42	13	19	3.2
PKJ8-4	8	4	14.5	13	87.5	22	8.5	42	13	22	3.2
PKJ8-6	8	6	14.5	13	87.5	23	8.5	42	13	22	3.2
PKJ8	8	8	18.5	14.5	95.5	25	11	47.5	14.5	22	4.2
PKJ10-6	10	6	18.5	14.5	97.5	24	11	47.5	14.5	23.5	4.2
PKJ10-8	10	8	18.5	14.5	97.5	25	11	47.5	14.5	23.5	4.2
PKJ10	10	10	21	18.5	110	29.5	12.5	60	18.5	23.5	4.2
PKJ12-6	12	6	21	18.5	115	28	12.5	60	18.5	26.5	4.2
PKJ12-8	12	8	21	18.5	115	29	12.5	60	18.5	26.5	4.2
PKJ12-10	12	10	21	18.5	115	29.5	12.5	60	18.5	26.5	4.2
PKJ12	12	12	21	21	121	29.5	13	68.5	21	26.5	4.2

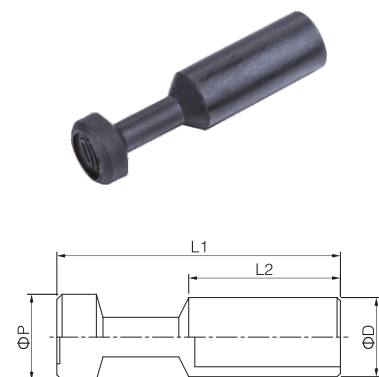
PIJ/PIG Series



Model	ΦD1	ΦD2	L	L1	L2
PIJ4*	4	4	35	15	15
PIJ6*	6	6	37	16	16
PIJ8*	8	8	42	18.5	18.5
PIJ10*	10	10	45	20	20
PIJ12*	12	12	51	23	23
PIJ14*	14	14	52	23	23
PIJ16*	16	16	55	24	24
PIG6-4	6	4	36	16	15
PIG8-4	8	4	37.5	18.5	15
PIG8-6	8	6	39	18.5	16
PIG10-6	10	6	41.5	20	16
PIG10-8	10	8	43	20	18.5
PIG12-8	12	8	44.5	23	18.5
PIG12-10	12	10	48	23	20
PIG14-10*	14	10	48	23	20
PIG14-12*	14	12	51	23	23
PIG16-12	16	12	54	24	23
PIG16-14*	16	14	54	24	23

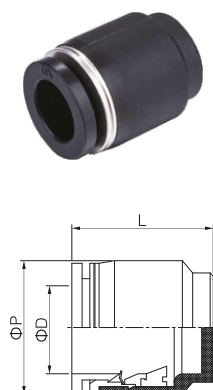
Note: The ones with * have no mould and are made by PBT plastic bar.

PP Series



Model	ΦD	ΦP	L1	L2
PP4	4	5	28	15
PP6	6	7	33	16
PP8	8	9	36	18.5
PP10	10	11	42.5	20
PP12	12	13	43	23
PP14	14	15	45.5	23
PP16	16	17	49	24
PP5/32	5/32	5	28	15
PP3/16	3/16	5	28	15
PP1/4	1/4	7	33	16
PP5/16	5/16	9	36	18.5
PP3/8	3/8	11	42.5	20
PP1/2	1/2	13	43	23

PPF Series



Model	ΦD	ΦP	L
PPF4	4	11	18
PPF6	6	13	19
PPF8	8	14.5	21
PPF10	10	18.5	23
PPF12	12	21	25
PPF14	14	23.2	27
PPF16	16	26	27.5
PPF5/32	5/32	11	18
PPF3/16	3/16	11	18
PPF1/4	1/4	13	19
PPF5/16	5/16	14.5	21
PPF3/8	3/8	18.5	23
PPF1/2	1/2	21	25

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

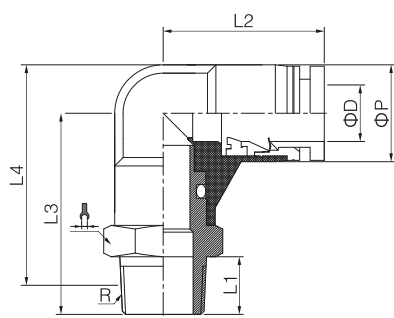
Air Gun

Tracheal
Scissors

Silencers

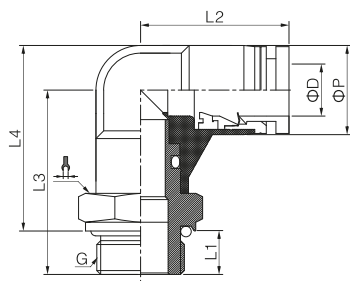
Fittings,
Air Hose

PL-R Series



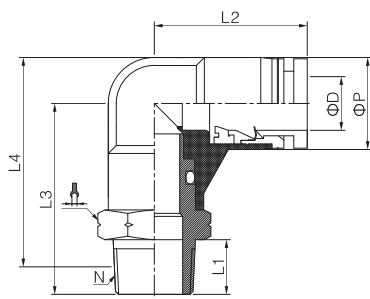
Model	ΦD	R	L1	L2	L3	L4	ΦP	Pin
PL4-M5	4	M5	3.5	18.5	18.5	20.5	11	12
PL4-M6		M6	4	18.5	19	20.5	11	12
PL4-01		R1/8	7.5	18.5	21	22.5	11	12
PL4-02		R1/4	10	18.5	24	23.5	11	14
PL4-03		R3/8	10.5	18.5	25	24	11	17
PL4-M5-II	4	M5	3.5	18.5	18.5	20.5	11	10
PL4-M6-II		M6	4	18.5	19	20.5	11	10
PL4-01-II		R1/8	7.5	18.5	21	22.5	11	10
PL4-M3-III	4	M3	3	17	16.5	19	11	8
PL4-M5-III		M5	3.5	17	17	19	11	8
PL4-M6-III		M6	4	17	17.5	19	11	8
PL6-M5	6	M5	3.5	19.5	19.5	22.5	13	12
PL6-M6		M6	4	19.5	20	22.5	13	12
PL6-01		R1/8	7.5	19.5	22	24.5	13	12
PL6-02		R1/4	10	19.5	25	25.5	13	14
PL6-03		R3/8	10.5	19.5	26	26	13	17
PL6-04	6	R1/2	13.5	19.5	29.5	27.5	13	21
PL6-M3-III		M3	3	17.5	17.5	21	13	8
PL6-M5-III		M5	3.5	17.5	18	21	13	8
PL6-M6-III	8	M6	4	17.5	18.5	21	13	8
PL8-01		R1/8	7.5	23	25	28.5	14.5	14
PL8-02		R1/4	10	23	27.5	29	14.5	14
PL8-03		R3/8	10.5	23	28.5	29	14.5	17
PL8-04	10	R1/2	13.5	23	32	31	14.5	21
PL10-01		R1/8	7.5	27	27.5	32.5	18.5	17
PL10-02		R1/4	10	27	30	33	18.5	17
PL10-03		R3/8	10.5	27	30.5	33	18.5	17
PL10-04		R1/2	13.5	27	34	35	18.5	21
PL10-06	12	R3/4	15	27	36.5	36	18.5	27
PL12-01		R1/8	7.5	29.5	28	34.5	21	17
PL12-02		R1/4	10	29.5	30.5	35	21	17
PL12-03		R3/8	10.5	29.5	31	35	21	17
PL12-04		R1/2	13.5	29.5	34.5	36.5	21	21
PL12-06	14	R3/4	15	29.5	37	38	21	27
PL14-02		R1/4	10	30	35.5	41	23	19
PL14-03		R3/8	11	30	37.5	43	23	19
PL14-04		R1/2	14	30	40	43	23	21
PL14-06	16	R3/4	15	30	42	44	23	27
PL16-02		R1/4	10	31.5	36.5	43.5	26	21
PL16-03		R3/8	11	31.5	39	45	26	21
PL16-04		R1/2	14	31.5	41.5	46	26	21
PL16-06	16	R3/4	15	31.5	43.5	47	26	27

PL-G Series



Model	ΦD	G	L1	L2	L3	L4	ΦP	
PL4-G01	4	G1/8	5.5	18.5	21	21	11	14
PL4-G02		G1/4	6.5	18.5	22	21	11	17
PL4-G03		G3/8	7.5	18.5	24	22	11	20
PL6-G01	6	G1/8	5.5	19.5	22	23	13	14
PL6-G02		G1/4	6.5	19.5	23	23	13	17
PL6-G03		G3/8	7.5	19.5	25	24	13	20
PL8-G01	8	G1/8	5.5	23	24.5	26	14.5	14
PL8-G02		G1/4	6.5	23	25.5	26	14.5	17
PL8-G03		G3/8	7.5	23	27.5	27	14.5	20
PL8-G04		G1/2	10	23	30	27	14.5	24
PL10-G01	10	G1/8	5.5	27	26.5	30	18.5	17
PL10-G02		G1/4	6.5	27	27.5	30	18.5	17
PL10-G03		G3/8	7.5	27	29.5	31	18.5	20
PL10-G04		G1/2	10	27	32	31	18.5	24
PL12-G01	12	G1/8	5.5	29.5	27	32	21	17
PL12-G02		G1/4	6.5	29.5	28	32	21	17
PL12-G03		G3/8	7.5	29.5	30	33	21	20
PL12-G04		G1/2	10	29.5	32.5	33	21	24
PL14-G02	14	G1/4	6.5	30	34	39	23	19
PL14-G03		G3/8	7.5	30	35	39	23	20
PL14-G04		G1/2	10	30	37.5	39	23	24
PL16-G02	16	G1/4	6.5	31.5	35.5	41.5	26	21
PL16-G03		G3/8	7.5	31.5	36.5	41.5	26	21
PL16-G04		G1/2	10	31.5	39	41.5	26	24

PL-N Series



Model	ΦD	N	L1	L2	L3	L4	ΦP	
PL5/32-U10	5/32	UNF10-32	3.5	18.5	18.5	20.5	11	7/16
PL5/32-N01		NPT1/8	7.5	18.5	21	22.5	11	7/16
PL5/32-N02		NPT1/4	10	18.5	24	23.5	11	9/16
PL3/16-U10	3/16	UNF10-32	3.5	18.5	18.5	20.5	11	7/16
PL3/16-N01		NPT1/8	7.5	18.5	21	22.5	11	7/16
PL3/16-N02		NPT1/4	10	18.5	24	23.5	11	9/16
PL1/4-U10	1/4	UNF10-32	3.5	19.5	19.5	22.5	13	7/16
PL1/4-N01		NPT1/8	7.5	19.5	22	24.5	13	7/16
PL1/4-N02		NPT1/4	10	19.5	25	25.5	13	9/16
PL1/4-N03		NPT3/8	10.5	19.5	26	26	13	11/16
PL5/16-N01	5/16	NPT1/8	7.5	23	25	28.5	14.5	9/16
PL5/16-N02		NPT1/4	10	23	27.5	29	14.5	9/16
PL5/16-N03		NPT3/8	10.5	23	28.5	29.5	14.5	11/16
PL5/16-N04		NPT1/2	13.5	23	32	31	14.5	7/8
PL3/8-N01	3/8	NPT1/8	7.5	27	27.5	32.5	18.5	11/16
PL3/8-N02		NPT1/4	10	27	30	33	18.5	11/16
PL3/8-N03		NPT3/8	10.5	27	30.5	33.5	18.5	11/16
PL3/8-N04		NPT1/2	13.5	27	34	35	18.5	7/8
PL1/2-N01	1/2	NPT1/8	7.5	29.5	28	34.5	21	11/16
PL1/2-N02		NPT1/4	10	29.5	30.5	35	21	11/16
PL1/2-N03		NPT3/8	10.5	29.5	31	35.5	21	11/16
PL1/2-N04		NPT1/2	13.5	29.5	34.5	36.5	21	7/8

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

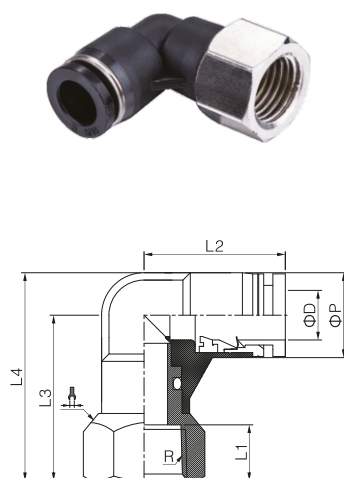
Air Gun

Tracheal
Scissors

Silencers

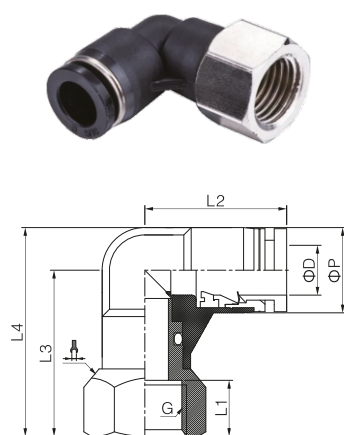
Fittings,
Air Hose

PLF-R Series



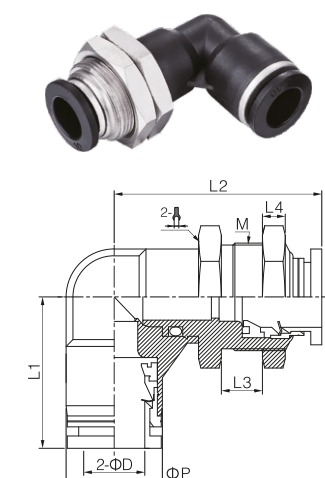
Model	ΦD	R	L1	L2	L3	L4	ΦP	
PLF4-M5	4	M5	5	18.5	17	22.5	11	12
PLF4-M6		M6	5	18.5	17	22.5	11	12
PLF4-01		R1/8	8.5	18.5	20	25.5	11	14
PLF4-02		R1/4	11	18.5	23	28.5	11	17
PLF6-M5	6	M5	5	19.5	18	24.5	13	12
PLF6-M6		M6	5	19.5	18	24.5	13	12
PLF6-01		R1/8	8.5	19.5	21	27.5	13	14
PLF6-02		R1/4	11	19.5	24	30.5	13	17
PLF6-03	8	R3/8	11.5	19.5	25.5	32	13	20
PLF8-01		R1/8	8.5	23	23.5	30.5	14.5	14
PLF8-02		R1/4	11	23	26.5	33.5	14.5	17
PLF8-03		R3/8	11.5	23	28	35	14.5	20
PLF8-04		R1/2	14	23	31.5	38.5	14.5	24
PLF10-01	10	R1/8	8.5	27	25.5	34.5	18.5	17
PLF10-02		R1/4	11	27	28.5	37.5	18.5	17
PLF10-03		R3/8	11.5	27	29	38	18.5	20
PLF10-04		R1/2	14	27	33.5	42.5	18.5	24
PLF12-01	12	R1/8	8.5	29.5	26	36.5	21	17
PLF12-02		R1/4	11	29.5	29	39.5	21	17
PLF12-03		R3/8	11.5	29.5	29.5	40	21	20
PLF12-04		R1/2	14	29.5	34	44.5	21	24

PLF-G Series



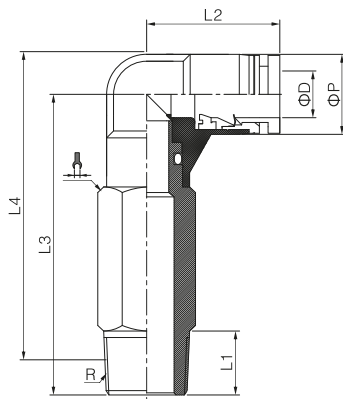
Model	ΦD	G	L1	L2	L3	L4	ΦP	
PLF4-G01	4	G1/8	8.5	18.5	20	25.5	11	14
PLF4-G02		G1/4	11	18.5	23	28.5	11	17
PLF6-G01	6	G1/8	8.5	19.5	21	27.5	13	14
PLF6-G02		G1/4	11	19.5	24	30.5	13	17
PLF6-G03	8	G3/8	11.5	19.5	25.5	32	13	20
PLF8-G01		G1/8	8.5	23	23.5	30.5	14.5	14
PLF8-G02		G1/4	11	23	26.5	33.5	14.5	17
PLF8-G03		G3/8	11.5	23	28	35	14.5	20
PLF8-G04		G1/2	14	23	31.5	38.5	14.5	24
PLF10-G01	10	G1/8	8.5	27	25.5	34.5	18.5	17
PLF10-G02		G1/4	11	27	28.5	37.5	18.5	17
PLF10-G03		G3/8	11.5	27	29	38	18.5	20
PLF10-G04		G1/2	14	27	33.5	42.5	18.5	24
PLF12-G01	12	G1/8	8.5	29.5	26	36.5	21	17
PLF12-G02		G1/4	11	29.5	29	39.5	21	17
PLF12-G03		G3/8	11.5	29.5	29.5	40	21	20
PLF12-G04		G1/2	14	29.5	34	44.5	21	24

PLM Series



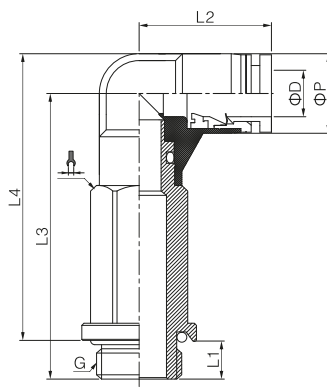
Model	ΦD	M	L1	L2	L3	L4	ΦP	
PLM4	4	M12×1.0	18.5	28	5	3.5	11	14
PLM6	6	M14×1.0	19.5	31	5.5	4	13	17
PLM8	8	M16×1.0	23	35	5.5	4.5	14.5	19
PLM10	10	M18×1.0	27	40	7	5	18.5	21
PLM12	12	M22×1.0	29.5	43.5	9	5	21	27
PLM5/32	5/32	M12×1.0	18.5	28	5	3.5	11	14
PLM1/4	1/4	M14×1.0	19.5	31	5.5	4	13	17
PLM5/16	5/16	M16×1.0	23	35	5.5	4.5	14.5	19
PLM3/8	3/8	M18×1.0	27	40	7	5	18.5	21
PLM1/2	1/2	M22×1.0	29.5	43.5	9	5	21	27

PLL-R Series



Model	ΦD	R	L1	L2	L3	L4	ΦP	
PLL4-M5	4	M5	3.5	18.5	30.5	32.5	11	12
PLL4-M6		M6	4	18.5	31	32.5	11	12
PLL4-01		R1/8	7.5	18.5	33	34.5	11	12
PLL4-02		R1/4	10	18.5	36	35.5	11	14
PLL6-M5	6	M5	3.5	19.5	33.5	36.5	13	12
PLL6-M6		M6	4	19.5	34	36.5	13	12
PLL6-01		R1/8	7.5	19.5	36	38.5	13	12
PLL6-02		R1/4	10	19.5	39	39.5	13	14
PLL6-03		R3/8	10.5	19.5	40	40	13	17
PLL6-04		R1/2	13.5	19.5	43.5	41.5	13	21
PLL8-01	8	R1/8	7.5	23	40.5	44	14.5	14
PLL8-02		R1/4	10	23	43	44.5	14.5	14
PLL8-03		R3/8	10.5	23	44	45	14.5	17
PLL8-04		R1/2	13.5	23	47.5	46.5	14.5	21
PLL10-01	10	R1/8	7.5	27	47	52	18.5	17
PLL10-02		R1/4	10	27	49.5	52.5	18.5	17
PLL10-03		R3/8	10.5	27	50	53	18.5	17
PLL10-04		R1/2	13.5	27	53.5	54.5	18.5	21
PLL12-01	12	R1/8	7.5	29.5	50	56.5	21	17
PLL12-02		R1/4	10	29.5	52.5	57	21	17
PLL12-03		R3/8	10.5	29.5	53	57	21	17
PLL12-04		R1/2	13.5	29.5	56.5	59	21	21

PLL-G Series



Model	ΦD	G	L1	L2	L3	L4	ΦP	
PLL4-G01	4	G1/8	5.5	18.5	33	33	11	12
PLL4-G02		G1/4	6.5	18.5	34	33	11	12
PLL6-G01	6	G1/8	5.5	19.5	36	37	13	12
PLL6-G02		G1/4	6.5	19.5	37	37	13	12
PLL6-G03		G3/8	7.5	19.5	39	38	13	16
PLL8-G01	8	G1/8	5.5	23	40	41.5	14.5	14
PLL8-G02		G1/4	6.5	23	41	41.5	14.5	14
PLL8-G03		G3/8	7.5	23	43	42.5	14.5	16
PLL8-G04		G1/2	10	23	45.5	42.5	14.5	19
PLL10-G01	10	G1/8	5.5	27	46	49.5	18.5	17
PLL10-G02		G1/4	6.5	27	47	49.5	18.5	17
PLL10-G03		G3/8	7.5	27	49	50.5	18.5	17
PLL10-G04		G1/2	10	27	51.5	50.5	18.5	19
PLL12-G01	12	G1/8	5.5	29.5	49	54	21	17
PLL12-G02		G1/4	6.5	29.5	50	54	21	17
PLL12-G03		G3/8	7.5	29.5	52	55	21	17
PLL12-G04		G1/2	10	29.5	54.5	55	21	19

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

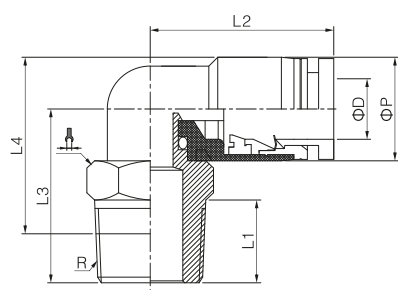
Air Gun

Tracheal
Scissors

Silencers

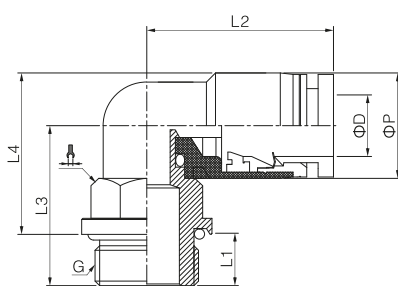
Fittings,
Air Hose

NPL-R Series



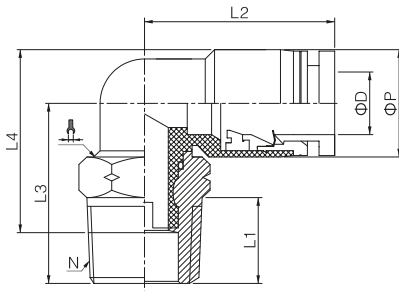
Model	ΦD	R	L1	L2	L3	L4	ΦP	
NPL4-M5	4	M5	3.5	18	16.5	18.5	11	10
NPL4-M6		M6	4	18	17	18.5	11	10
NPL4-01		R1/8	7.5	18	18	19.5	11	10
NPL4-02		R1/4	10	18	20.5	20	11	14
NPL6-M5	6	M5	3.5	19.5	17	20	13	10
NPL6-M6		M6	4	19.5	17.5	20	13	10
NPL6-01		R1/8	7.5	19.5	18.5	21	13	10
NPL6-02		R1/4	10	19.5	21	21.5	13	14
NPL6-03	8	R3/8	10.5	19.5	22	22	13	17
NPL8-01		R1/8	7.5	22.5	19.5	22.5	14.5	12
NPL8-02		R1/4	10	22.5	22	23	14.5	14
NPL8-03		R3/8	10.5	22.5	23	23.5	14.5	17
NPL8-04		R1/2	13.5	22.5	26.5	25.5	14.5	21
NPL10-02	10	R1/4	10	27.5	24.5	28	18.5	17
NPL10-03		R3/8	10.5	27.5	25	28	18.5	17
NPL10-04		R1/2	13.5	27.5	28.5	29.5	18.5	21
NPL12-02	12	R1/4	10	29.5	26	30.5	21	17
NPL12-03		R3/8	10.5	29.5	26.5	30.5	21	17
NPL12-04		R1/2	13.5	29.5	30	32	21	21

NPL-G Series



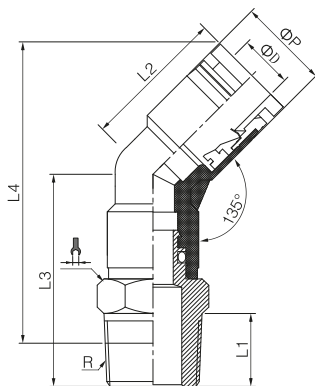
Model	ΦD	G	L1	L2	L3	L4	ΦP	
NPL4-G01	4	G1/8	5.5	18	16.5	16.5	11	10
NPL4-G02		G1/4	6.5	18	17.5	16.5	11	10
NPL6-G01	6	G1/8	5.5	19.5	17	18	13	10
NPL6-G02		G1/4	6.5	19.5	18	18	13	10
NPL6-G03		G3/8	7.5	19.5	19.5	18.5	13	10
NPL8-G01	8	G1/8	5.5	22.5	18	19.5	14.5	12
NPL8-G02		G1/4	6.5	22.5	19	19.5	14.5	12
NPL8-G03		G3/8	7.5	22.5	20.5	20	14.5	12
NPL8-G04		G1/2	10	22.5	23.5	20.5	14.5	12
NPL10-G02	10	G1/4	6.5	27.5	24.5	27.5	18.5	16
NPL10-G03		G3/8	7.5	27.5	21.5	23.5	18.5	16
NPL10-G04		G1/2	10	27.5	24.5	24	18.5	16
NPL12-G02	12	G1/4	6.5	29.5	26	30	21	16
NPL12-G03		G3/8	7.5	29.5	23	26	21	16
NPL12-G04		G1/2	10	29.5	26	26.5	21	16

NPL-N Series



Model	ΦD	G	L1	L2	L3	L4	ΦP	
NPL5/32-U10	5/32	10-32UNF	3.5	18	16.5	18.5	11	7/16
NPL5/32-N01		NPT1/8	7.5	18	18	19.5	11	7/16
NPL5/32-N02		NPT1/4	10	18	20.5	20	11	9/16
NPL3/16-U10	3/16	10-32UNF	3.5	18	16.5	18.5	11	7/16
NPL3/16-N01		NPT1/8	7.5	18	18	19.5	11	7/16
NPL3/16-N02		NPT1/4	10	18	20.5	20	11	9/16
NPTL1/4-U10	1/4	10-32UNF	3.5	19.5	17	20	13	7/16
NPTL1/4-N01		NPT1/8	7.5	19.5	18.5	21	13	7/16
NPTL1/4-N02		NPT1/4	10	19.5	21	21.5	13	9/16
NPTL1/4-N03		NPT3/8	10.5	19.5	22	22	13	11/16
NPTL5/16-N01	5/16	NPT1/8	7.5	22.5	19.5	22.5	14.5	1/2
NPTL5/16-N02		NPT1/4	10	22.5	22	23.5	14.5	9/16
NPTL5/16-N03		NPT3/8	10.5	22.5	23	24	14.5	11/16
NPTL5/16-N04		NPT1/2	13.5	22.5	26.5	25.5	14.5	7/8
NPTL3/8-N02	3/8	NPT1/4	10	27.5	24.5	28	18.5	11/16
NPTL3/8-N03		NPT3/8	10.5	27.5	25	28	18.5	11/16
NPTL3/8-N04		NPT1/2	13.5	27.5	28.5	30	18.5	7/8
NPTL1/2-N02	1/2	NPT1/4	10	29.5	26	30.5	21	11/16
NPTL1/2-N03		NPT3/8	10.5	29.5	26.5	30.5	21	11/16
NPTL1/2-N04		NPT1/2	13.5	29.5	30	32	21	7/8

PL135°-R Series



Model	ΦD	R	L1	L2	L3	L4	ΦP	
PL135°4-M5	4	M5	3.5	16.5	19	30.5	11	12
PL135°4-M6		M6	4	16.5	19.5	30.5	11	12
PL135°4-01		R1/8	7.5	16.5	21.5	33	11	12
PL135°4-02		R1/4	10	16.5	24.5	33.5	11	14
PL135°4-03		R3/8	10.5	16.5	25.5	34	11	17
PL135°6-M5	6	M5	3.5	17.5	21.5	34.5	13	12
PL135°6-M6		M6	4	17.5	22	34.5	13	12
PL135°6-01		R1/8	7.5	17.5	24	36.5	13	12
PL135°6-02		R1/4	10	17.5	27	37.5	13	14
PL135°6-03		R3/8	10.5	17.5	28	38	13	17
PL135°6-04	8	R1/2	13.5	17.5	31.5	39.5	13	21
PL135°8-01		R1/8	7.5	21	27.5	43	14.5	14
PL135°8-02		R1/4	10	21	30	43.5	14.5	14
PL135°8-03		R3/8	10.5	21	31	44	14.5	17
PL135°8-04	10	R1/2	13.5	21	34.5	45.5	14.5	21
PL135°10-01		R1/8	7.5	24	30.5	49	18.5	17
PL135°10-02		R1/4	10	24	33	49.5	18.5	17
PL135°10-03		R3/8	10.5	24	33.5	50	18.5	17
PL135°10-04	12	R1/2	13.5	24	37	51.5	18.5	21
PL135°12-01		R1/8	7.5	26	32.5	53.5	21	17
PL135°12-02		R1/4	10	26	35	54	21	17
PL135°12-03		R3/8	10.5	26	35.5	54.5	21	17
PL135°12-04		R1/2	13.5	26	39	56	21	21

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

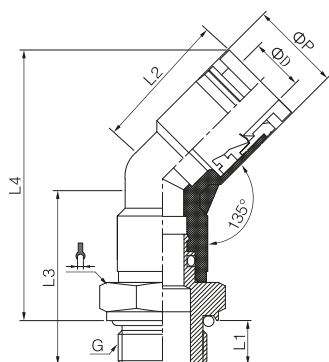
Air Gun

Tracheal
Scissors

Silencers

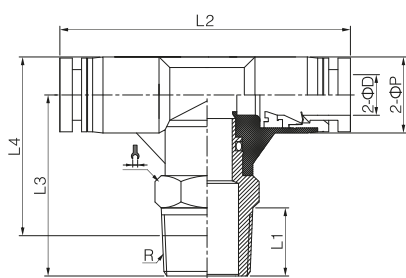
Fittings,
Air Hose

PL135°-G Series



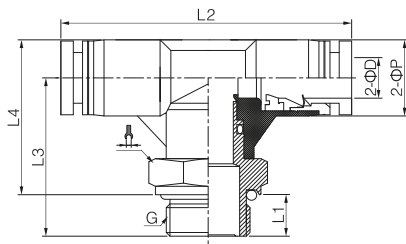
Model	Φ D	G	L1	L2	L3	L4	Φ P	
PL 135°4-G01	4	G1/8	5.5	16.5	21.5	31	11	14
PL 135°4-G02		G1/4	6.5	16.5	22.5	31	11	17
PL 135°4-G03		G3/8	7.5	16.5	24.5	32	11	20
PL 135°6-G01	6	G1/8	5.5	17.5	24	35	13	14
PL 135°6-G02		G1/4	6.5	17.5	25	35	13	17
PL 135°6-G03		G3/8	7.5	17.5	27	36	13	20
PL 135°6-G04	6	G1/2	10	17.5	29.5	36	13	24
PL 135°8-G01		G1/8	5.5	21	27	41	14.5	14
PL 135°8-G02		G1/4	6.5	21	28	41	14.5	17
PL 135°8-G03	8	G3/8	7.5	21	30	42	14.5	20
PL 135°8-G04		G1/2	10	21	32.5	42	14.5	24
PL 135°10-G01	10	G1/8	5.5	24	29.5	46.5	18.5	17
PL 135°10-G02		G1/4	6.5	24	30.5	46.5	18.5	17
PL 135°10-G03		G3/8	7.5	24	32.5	47.5	18.5	20
PL 135°10-G04	10	G1/2	10	24	35	47.5	18.5	24
PL 135°12-G01		G1/8	5.5	26	31.5	51	21	17
PL 135°12-G02		G1/4	6.5	26	32.5	51	21	17
PL 135°12-G03	12	G3/8	7.5	26	34.5	52	21	20
PL 135°12-G04		G1/2	10	26	37	52	21	24

PB-R Series



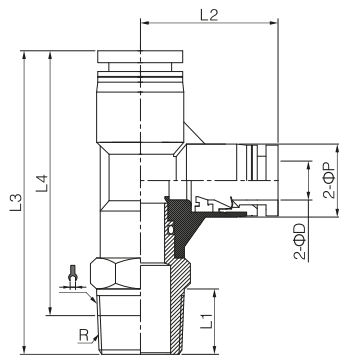
Model	Φ D	R	L1	L2	L3	L4	Φ P	
PB4-M5	4	M5	3.5	37	18.5	20.5	11	12
PB4-M6		M6	4	37	19	20.5	11	12
PB4-01		R1/8	7.5	37	21	22.5	11	12
PB4-02		R1/4	10	37	24	23.5	11	14
PB4-03		R3/8	10.5	37	25	24	11	17
PB6-M5	6	M5	3.5	39	19.5	22.5	13	12
PB6-M6		M6	4	39	20	22.5	13	12
PB6-01		R1/8	7.5	39	22	24.5	13	12
PB6-02		R1/4	10	39	25	25.5	13	14
PB6-03		R3/8	10.5	39	26	26	13	17
PB6-04	6	R1/2	13.5	39	29.5	27.5	13	21
PB8-01		R1/8	7.5	46	25	28.5	14.5	14
PB8-02		R1/4	10	46	27.5	29	14.5	14
PB8-03		R3/8	10.5	46	28.5	29	14.5	17
PB8-04		R1/2	13.5	46	32	31	14.5	21
PB10-01	10	R1/8	7.5	54.5	27.5	32.5	18.5	17
PB10-02		R1/4	10	54.5	30	33	18.5	17
PB10-03		R3/8	10.5	54.5	30.5	33	18.5	17
PB10-04		R1/2	13.5	54.5	34	35	18.5	21
PB12-01	12	R1/8	7.5	59	28	34.5	21	17
PB12-02		R1/4	10	59	30.5	35	21	17
PB12-03		R3/8	10.5	59	31	35	21	17
PB12-04		R1/2	13.5	59	34.5	36.5	21	21
PB14-03	14	R3/8	11	60	37	42	23	19
PB14-04		R1/2	14	60	40.5	44	23	21
PB16-03	16	R3/8	11	61	42	48.5	26	21
PB16-04		R1/2	14	61	45.5	50	26	21

PB-G Series



Model	Φ D	G	L1	L2	L3	L4	Φ P	
PB4-G01	4	G1/8	5.5	37	21	21	11	14
PB4-G02		G1/4	6.5	37	22	21	11	17
PB4-G03		G3/8	7.5	37	24	22	11	20
PB6-G01	6	G1/8	5.5	39	22	23	13	14
PB6-G02		G1/4	6.5	39	23	23	13	17
PB6-G03		G3/8	7.5	39	25	24	13	20
PB8-G01	8	G1/8	5.5	46	24.5	26	14.5	14
PB8-G02		G1/4	6.5	46	25.5	26	14.5	17
PB8-G03		G3/8	7.5	46	27.5	27	14.5	20
PB8-G04	10	G1/2	10	46	30	27	14.5	24
PB10-G01		G1/8	5.5	54.5	26.5	30	18.5	17
PB10-G02		G1/4	6.5	54.5	27.5	30	18.5	17
PB10-G03	12	G3/8	7.5	54.5	29.5	32	18.5	20
PB10-G04		G1/2	10	54.5	32	31	18.5	24
PB12-G01		G1/8	5.5	59	27	32	21	17
PB12-G02	14	G1/4	6.5	59	28	32	21	17
PB12-G03		G3/8	7.5	59	30	33	21	20
PB12-G04		G1/2	10	59	32.5	33	21	24
PB14-G03	16	G3/8	7.5	60	34.5	40	23	20
PB14-G04		G1/2	10	60	38	40	23	24
PB16-G03		G3/8	7.5	61	39.5	46	26	21
PB16-G04		G1/2	10	61	43	46	26	24

PD-R Series



Model	Φ D	R	L1	L2	L3	L4	Φ P	
PD4-M5	4	M5	3.5	18.5	37	33.5	11	12
PD4-M6		M6	4	18.5	37.5	33.5	11	12
PD4-01		R1/8	7.5	18.5	40	36	11	12
PD4-02		R1/4	10	18.5	43	37	11	14
PD4-03		R3/8	10.5	18.5	43.5	37	11	17
PD6-M5	6	M5	3.5	19.5	39	35.5	13	12
PD6-M6		M6	4	19.5	39.5	35.5	13	12
PD6-01		R1/8	7.5	19.5	42	38	13	12
PD6-02		R1/4	10	19.5	45	39	13	14
PD6-03		R3/8	10.5	19.5	45.5	39	13	17
PD6-04	8	R1/2	13.5	19.5	49	41	13	21
PD8-01		R1/8	7.5	23	48.5	44.5	14.5	14
PD8-02		R1/4	10	23	51	45	14.5	14
PD8-03		R3/8	10.5	23	51.5	45	14.5	17
PD8-04		R1/2	13.5	23	55	47	14.5	21
PD10-01	10	R1/8	7.5	27	55	51	18.5	17
PD10-02		R1/4	10	27	57	51	18.5	17
PD10-03		R3/8	10.5	27	57.5	51	18.5	17
PD10-04		R1/2	13.5	27	61	53	18.5	21
PD12-01	12	R1/8	7.5	29.5	57.5	53.5	21	17
PD12-02		R1/4	10	29.5	60	54	21	17
PD12-03		R3/8	10.5	29.5	60.5	54	21	17
PD12-04		R1/2	13.5	29.5	64	56	21	21
PD14-03	14	R3/8	11	30.5	67.5	61	23	19
PD14-04		R1/2	14	30.5	71	63	23	21

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

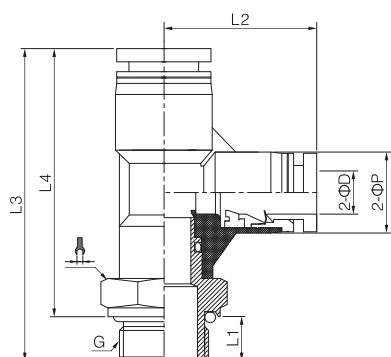
Air Gun

Tracheal
Scissors

Silencers

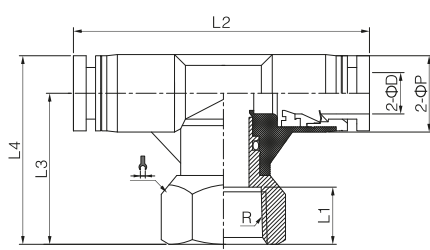
Fittings,
Air Hose

PD-G Series



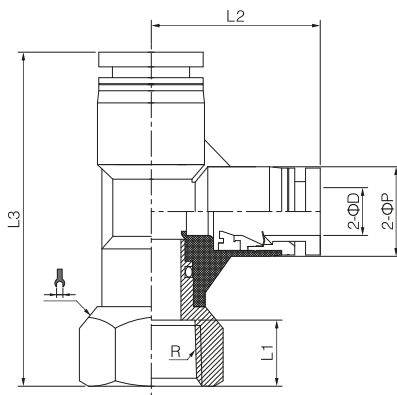
Model	ΦD	G	L1	L2	L3	L4	ΦP	
PD4-G01	4	G1/8	5.5	18.5	39.5	34	11	14
PD4-G02		G1/4	6.5	18.5	40.5	34	11	17
PD4-G03		G3/8	7.5	18.5	42.5	35	11	20
PD6-G01	6	G1/8	5.5	19.5	41.5	36	13	14
PD6-G02		G1/4	6.5	19.5	42.5	36	13	17
PD6-G03		G3/8	7.5	19.5	44.5	37	13	20
PD8-G01	8	G1/8	5.5	23	47.5	42	14.5	14
PD8-G02		G1/4	6.5	23	48.5	42	14.5	17
PD8-G03		G3/8	7.5	23	50.5	43	14.5	20
PD8-G04		G1/2	10	23	53	43	14.5	24
PD10-G01	10	G1/8	5.5	27	53.5	48	18.5	17
PD10-G02		G1/4	6.5	27	54.5	48	18.5	17
PD10-G03		G3/8	7.5	27	56.5	49	18.5	20
PD10-G04		G1/2	10	27	59	49	18.5	24
PD12-G01	12	G1/8	5.5	29.5	56.5	51	21	17
PD12-G02		G1/4	6.5	29.5	57.5	51	21	17
PD12-G03		G3/8	7.5	29.5	59.5	52	21	20
PD12-G04		G1/2	10	29.5	62	52	21	24
PD14-G03	14	G3/8	7.5	30.5	65	58.5	23	20
PD14-G04		G1/2	10	30.5	68.5	58.5	23	24

PBF Series



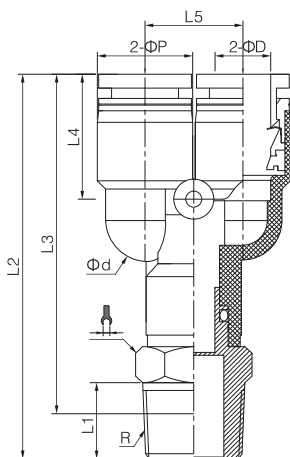
Model	ΦD	R	L1	L2	L3	L4	ΦP	
PBF4-M5	4	M5	5	37	17	22.5	11	12
PBF4-M6		M6	5	37	17	22.5	11	12
PBF4-01		R1/8	8.5	37	20	25.5	11	14
PBF4-02		R1/4	11	37	23	28.5	11	17
PBF4-03		R3/8	11.5	37	24.5	30	11	20
PBF6-M5	6	M5	5	39	18	24.5	13	12
PBF6-M6		M6	5	39	18	24.5	13	12
PBF6-01		R1/8	8.5	39	21	27.5	13	14
PBF6-02		R1/4	11	39	24	30.5	13	17
PBF6-03		R3/8	11.5	39	25.5	32	13	20
PBF8-01	8	R1/8	8.5	46	23.5	30.5	14.5	14
PBF8-02		R1/4	11	46	26.5	33.5	14.5	17
PBF8-03		R3/8	11.5	46	28	35	14.5	20
PBF8-04		R1/2	14	46	31.5	38.5	14.5	24
PBF10-01	10	R1/8	8.5	54.5	25.5	34.5	18.5	17
PBF10-02		R1/4	11	54.5	28.5	37.5	18.5	17
PBF10-03		R3/8	11.5	54.5	29	38	18.5	20
PBF10-04		R1/2	14	54.5	33.5	42.5	18.5	24
PBF12-01	12	R1/8	8.5	59	26	36.5	21	17
PBF12-02		R1/4	11	59	29	39.5	21	17
PBF12-03		R3/8	11.5	59	29.5	40	21	20
PBF12-04		R1/2	14	59	34	44.5	21	24

PDF Series



Model	ΦD	R	L1	L2	L3	ΦP	
PDF4-M5	4	M5	5	18.5	35.5	11	12
PDF4-M6		M6	5	18.5	35.5	11	12
PDF4-01		R1/8	8.5	18.5	38.5	11	14
PDF4-02		R1/4	11	18.5	41.5	11	17
PDF4-03		R3/8	11.5	18.5	43	11	20
PDF6-M5	6	M5	5	19.5	37.5	13	12
PDF6-M6		M6	5	19.5	37.5	13	12
PDF6-01		R1/8	8.5	19.5	40.5	13	14
PDF6-02		R1/4	11	19.5	43.5	13	17
PDF6-03		R3/8	11.5	19.5	45	13	20
PDF8-01	8	R1/8	8.5	23	46.5	14.5	14
PDF8-02		R1/4	11	23	49.5	14.5	17
PDF8-03		R3/8	11.5	23	51	14.5	20
PDF8-04		R1/2	14	23	54.5	14.5	24
PDF10-01	10	R1/8	8.5	27	52.5	18.5	17
PDF10-02		R1/4	11	27	55.5	18.5	17
PDF10-03		R3/8	11.5	27	56	18.5	20
PDF10-04		R1/2	14	27	60.5	18.5	24
PDF12-01	12	R1/8	8.5	29.5	55.5	21	17
PDF12-02		R1/4	11	29.5	58.5	21	17
PDF12-03		R3/8	11.5	29.5	59	21	20
PDF12-04		R1/2	14	29.5	63.5	21	24

PWT-R Series



Model	ΦD	R	L1	L2	L3	L4	L5	ΦP	
PWT4-M5	4	M5	3.5	39	35.5	14	11	11	12
PWT4-M6		M6	4	39.5	35.5	14	11	11	12
PWT4-01		R1/8	7.5	41.5	37.5	14	11	11	12
PWT4-02		R1/4	10	44.5	38.5	14	11	11	14
PWT4-03		R3/8	10.5	45.5	39	14	11	11	17
PWT6-M5	6	M5	3.5	42	38.5	15	13	13	12
PWT6-M6		M6	4	42.5	37	15	13	13	12
PWT6-01		R1/8	7.5	45	41	15	13	13	12
PWT6-02		R1/4	10	47.5	41.5	15	13	13	14
PWT6-03		R3/8	10.5	48.5	42	15	13	13	17
PWT6-04	8	R1/2	13.5	52	44	15	13	13	21
PWT8-01		R1/8	7.5	51	47	18	14.5	14.5	14
PWT8-02		R1/4	10	53.5	47.5	18	14.5	14.5	14
PWT8-03		R3/8	10.5	54.5	48	18	14.5	14.5	17
PWT8-04	10	R1/2	13.5	58	49.5	18	14.5	14.5	21
PWT10-01		R1/8	7.5	56.5	52.5	21	18.5	18.5	17
PWT10-02		R1/4	10	59	53	21	18.5	18.5	17
PWT10-03		R3/8	10.5	59.5	53	21	18.5	18.5	17
PWT10-04	12	R1/2	13.5	63	55	21	18.5	18.5	21
PWT12-02		R1/4	10	64	58	21.5	21	21	17
PWT12-03		R3/8	10.5	64.5	58	21.5	21	21	17
PWT12-04		R1/2	13.5	68	60	21.5	21	21	21
PWT14-03	14	R3/8	11	65.5	59	22	23	23	19
PWT14-04		R1/2	14	69	60.5	22	23	23	21
PWT16-03	16	R3/8	11	65.5	59	22	26	26	21
PWT16-04		R1/2	14	69	61	22	26	26	21

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

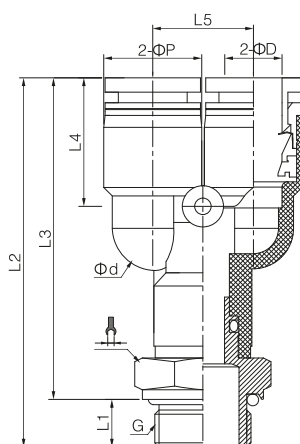
Air Gun

Tracheal
Scissors

Silencers

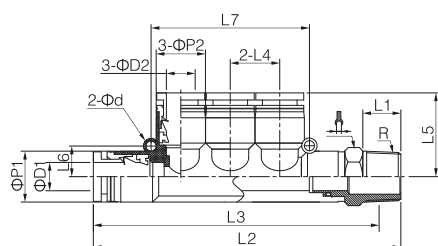
Fittings,
Air Hose

PWT-G Series



Model	ΦD	G	L1	L2	L3	L4	L5	ΦP	Φd
PWT4-G01	4	G1/8	5.5	41.5	36	14	11	11	14
PWT4-G02		G1/4	6.5	42.5	36	14	11	11	17
PWT4-G03		G3/8	7.5	44.5	37	14	11	11	20
PWT6-G01	6	G1/8	5.5	44.5	39	15	13	13	14
PWT6-G02		G1/4	6.5	45.5	39	15	13	13	17
PWT6-G03		G3/8	7.5	47.5	40	15	13	13	20
PWT8-G01	8	G1/8	5.5	50.5	45	18	14.5	14.5	14
PWT8-G02		G1/4	6.5	51.5	45	18	14.5	14.5	17
PWT8-G03		G3/8	7.5	53.5	46	18	14.5	14.5	20
PWT10-G01	10	G1/8	5.5	55.5	50	21	18.5	18.5	17
PWT10-G02		G1/4	6.5	56.5	50	21	18.5	18.5	17
PWT10-G03		G3/8	7.5	58.5	51	21	18.5	18.5	20
PWT10-G04	12	G1/2	10	61	51	21	18.5	18.5	24
PWT12-G02		G1/4	6.5	61.5	55	21.5	21	21	17
PWT12-G03		G3/8	7.5	63.5	56	21.5	21	21	20
PWT12-G04	14	G1/2	10	66	56	21.5	21	21	24
PWT14-G03		G3/8	7.5	63	56.5	22	23	23	20
PWT14-G04		G1/2	10	66.5	56.5	22	23	23	24
PWT16-G03	16	G3/8	7.5	63	56.5	22	26	26	21
PWT16-G04		G1/2	10	66.5	56.5	22	26	26	24

PKD-R Series



Model	ΦD1	ΦD2	R	L1	L2	L3	L4	L5	L6	L7	ΦP1	ΦP2	Φd	Φd
PKD4-01	4	4	R1/8	7.5	65.5	61.5	11	19	8	37.5	13	11	3.2	12
PKD4-02			R1/4	10	68	62	11	19	8	37.5	13	11	3.2	14
PKD6-4-01	6	4	R1/8	7.5	67	63	11	19	8	37.5	13	11	3.2	12
PKD6-4-02			R1/4	10	69.5	63.5	11	19	8	37.5	13	11	3.2	14
PKD6-01	6	6	R1/8	7.5	76	72	13	23	8.5	42	14.5	13	3.2	12
PKD6-02			R1/4	10	78.5	72.5	13	23	8.5	42	14.5	13	3.2	14
PKD8-6-02	8	6	R1/4	10	79.5	73.5	13	23	8.5	42	14.5	13	3.2	14
PKD8-6-03			R3/8	10.5	80.5	74	13	23	8.5	42	14.5	13	3.2	17
PKD8-02	8	8	R1/4	10	87.5	81.5	14.5	25	11	47.5	18.5	14.5	4.2	14
PKD8-03			R3/8	10.5	88.5	82	14.5	25	11	47.5	18.5	14.5	4.2	17
PKD10-8-02	10	8	R1/4	10	88.5	82.5	14.5	25	11	47.5	18.5	14.5	4.2	17
PKD10-8-03			R3/8	10.5	89	82.5	14.5	25	11	47.5	18.5	14.5	4.2	17
PKD10-03	10	10	R3/8	10.5	101.5	95	18.5	29.5	12.5	60	21	18.5	4.2	17
PKD10-04			R1/2	13.5	105	97	18.5	29.5	12.5	60	21	18.5	4.2	21
PKD12-10-03	12	10	R3/8	10.5	103.5	97	18.5	29.5	12.5	60	21	18.5	4.2	17
PKD12-10-04			R1/2	13.5	107	99	18.5	29.5	12.5	60	21	18.5	4.2	21
PKD12-03	12	12	R3/8	10.5	109.5	103	21	29.5	13	68.5	21	21	4.2	17
PKD12-04			R1/2	13.5	113	105	21	29.5	13	68.5	21	21	4.2	21

Fittings,
Air Hose

Quick
Fittings

Mini Quick
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Rotary
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Valves

Ball
Valves

Air Control
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Fittings

316L
Fittings

KIS-A
(ISO A)

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ST

TSP

310
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20 (Super
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320
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(ASIA)

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(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

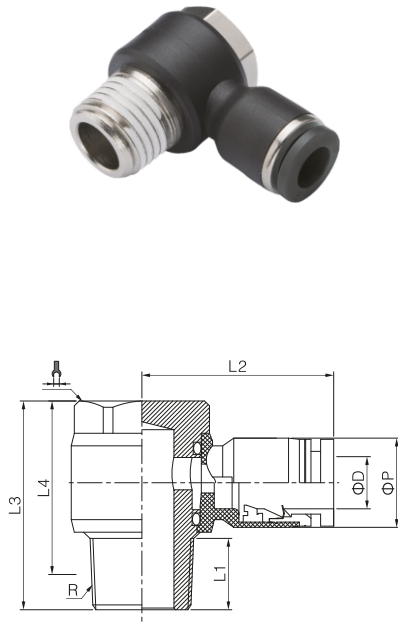
UN54D

Air Gun

Tracheal
Scissors

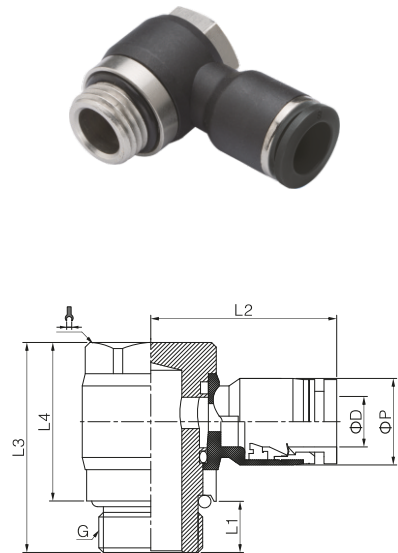
Silencers

PH-R Series



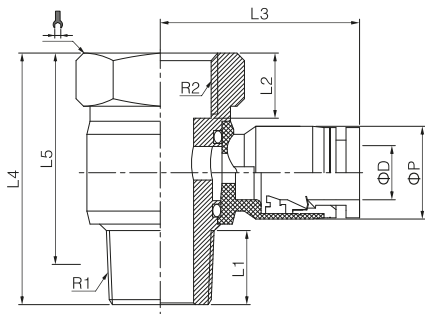
Model	ΦD	G	L1	L2	L3	L4	ΦP	
PH4-M5	4	M5	4	20	17	13	11	8
PH4-M6		M6	4	20	18	14	11	8
PH4-01		R1/8	7	23	24	20	11	12
PH4-02		R1/4	9.5	25	26.5	20.5	11	14
PH6-M5	6	M5	4	21.5	17	13	13	8
PH6-M6		M6	4	21.5	18	14	13	8
PH6-01		R1/8	7	23	24	20	13	12
PH6-02		R1/4	9.5	25	26.5	20.5	13	14
PH6-03	8	R3/8	10.5	27	32	25.5	13	19
PH6-04		R1/2	14	33	39	31	14.5	24
PH8-01		R1/8	7	26.5	24	20	14.5	12
PH8-02		R1/4	9.5	29	26.5	20.5	14.5	14
PH8-03	10	R3/8	10.5	30.5	32	25.5	14.5	19
PH8-04		R1/2	14	33	39	31	14.5	24
PH10-01		R1/8	7	29	24	20	18.5	12
PH10-02		R1/4	9.5	31	26.5	20.5	18.5	14
PH10-03	12	R3/8	10.5	32	32	25.5	18.5	19
PH10-04		R1/2	14	34.5	39	31	18.5	24
PH12-02		R1/4	9.5	33	26.5	20.5	21	14
PH12-03		R3/8	10.5	35	32	25.5	21	19
PH12-04	14	R1/2	14	36.5	39	31	21	24
PH14-04		R1/2	14	39	39	31	26	24
PH16-04	16	R1/2	14	39	39	31	26	24

PH-G Series



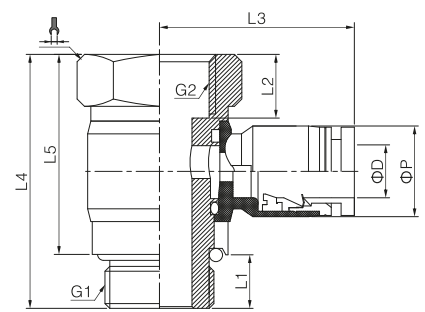
Model	ΦD	G	L1	L2	L3	L4	ΦP	
PH4-G01	4	G1/8	5	23	23.5	18.5	11	12
PH4-G02		G1/4	7	25	27	20	11	14
PH6-G01	6	G1/8	5	23	23.5	18.5	13	12
PH6-G02		G1/4	7	25	27	20	13	14
PH6-G03		G3/8	7.5	27	32	24.5	13	19
PH6-G04		G1/2	10	33	39	29	14.5	24
PH8-G01	8	G1/8	5	26.5	23.5	18.5	14.5	12
PH8-G02		G1/4	7	29	27	20	14.5	14
PH8-G03		G3/8	7.5	30.5	32	24.5	14.5	19
PH8-G04		G1/2	10	33	39	29	14.5	24
PH10-G01	10	G1/8	5	29	23.5	18.5	18.5	12
PH10-G02		G1/4	7	31	27	20	18.5	14
PH10-G03		G3/8	7.5	32	32	24.5	18.5	19
PH10-G04		G1/2	10	34.5	39	29	18.5	24
PH12-G02	12	G1/4	7	33	27	20	21	14
PH12-G03		G3/8	7.5	35	32	24.5	21	19
PH12-G04		G1/2	10	36.5	39	29	21	24
PH14-G04	14	G1/2	10	39	39	29	26	24
PH16-G04	16	G1/2	10	39	39	29	26	24

PHF-R Series



Model	ØD	R1	R2	L1	L2	L3	L4	L5	ΦP	
PHF4-M5	4	M5		4	5	20	20	16.5	11	8
PHF4-M6		M6		4	5	20	21	17	11	8
PHF4-01		R1/8		7		23	28	24	11	14
PHF4-02		R1/4		9.5		25	33	27	11	17
PHF6-M5	6	M5		4	5	21.5	20	16.5	13	8
PHF6-M6		M6		4	5	21.5	21	17	13	8
PHF6-01		R1/8		7		23	28	24	13	14
PHF6-02		R1/4		9.5		25	33	27	13	17
PHF6-03	8	R3/8		10.5		27	39	32.5	13	21
PHF6-04		R1/2		14		33	46.5	38.5	14.5	24
PHF8-01		R1/8		7		26.5	28	24	14.5	14
PHF8-02		R1/4		9.5		29	33	27	14.5	17
PHF8-03	10	R3/8		10.5		30.5	39	32.5	14.5	21
PHF8-04		R1/2		14		33	46.5	38.5	14.5	24
PHF10-01		R1/8		7		29	30.5	26.5	18.5	14
PHF10-02		R1/4		9.5		31	33	27	18.5	17
PHF10-03	12	R3/8		10.5		32	39	32.5	18.5	21
PHF10-04		R1/2		14		34.5	46.5	38.5	18.5	24
PHF12-02		R1/4		9.5		33	35	29	21	17
PHF12-03		R3/8		10.5		35	39	32.5	21	21
PHF12-04	14	R1/2		14		36.5	46.5	38.5	21	24
PHF14-04		R1/2		14		39	46.5	38.5	26	24
PHF16-04	16	R1/2		14		39	46.5	38.5	26	24

PHF-G Series



Model	ØD	G1	G2	L1	L2	L3	L4	L5	ΦP	
PHF4-G01	4	G1/8		5	7	22.5	27.5	22.5	11	14
PHF4-G02		G1/4		7	9.5	26	33	27	11	17
PHF6-G01	6	G1/8		5	7	22.5	27.5	24	13	14
PHF6-G02		G1/4		7	9.5	26	33	27	13	17
PHF6-G03		G3/8		7.5	10.5	31.5	39	32.5	13	21
PHF6-G04		G1/2		10	14	36.5	46.5	38.5	14.5	24
PHF8-G01	8	G1/8		5	7	22.5	27.5	24	14.5	14
PHF8-G02		G1/4		7	9.5	26	33	27	14.5	17
PHF8-G03		G3/8		7.5	10.5	31.5	39	32.5	14.5	21
PHF8-G04		G1/2		10	14	36.5	46.5	38.5	14.5	24
PHF10-G01	10	G1/8		5	7	25	30	26.5	18.5	14
PHF10-G02		G1/4		7	9.5	26	33	27	18.5	17
PHF10-G03		G3/8		7.5	10.5	31.5	39	32.5	18.5	21
PHF10-G04		G1/2		10	14	36.5	46.5	38.5	18.5	24
PHF12-G02	12	G1/4		7	9.5	28	35	29	21	17
PHF12-G03		G3/8		7.5	10.5	31.5	39	32.5	21	21
PHF12-G04		G1/2		10	14	36.5	46.5	38.5	21	24
PHF14-G04	14	G1/2		10	14	36.5	46.5	38.5	26	24
PHF16-G04	16	G1/2		10	14	36.5	46.5	38.5	26	24

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
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550
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20 (Super
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320
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19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers

Fittings,
Air Hose

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Fittings

Mini Quick
Fittings

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UN54D

Air Gun

Tracheal
Scissors

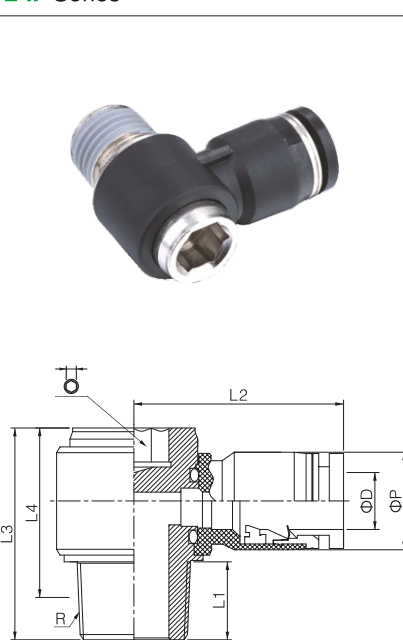
Silencers

POL-I Series



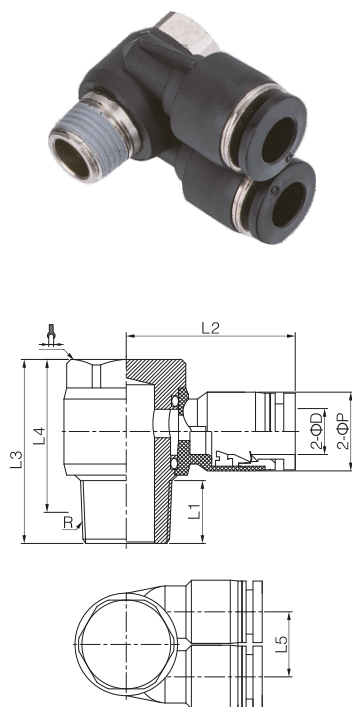
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POL4-M5-I	4	M5	3.5	20	16.5	13	11	4
POL4-01-I		R1/8	7	23	22.5	18.5	11	6
POL4-02-I		R1/4	9.5	25	25	19	11	8
POL6-M5-I	6	M5	3.5	21.5	16.5	13	13	4
POL6-01-I		R1/8	7	23	22.5	18.5	13	6
POL6-02-I		R1/4	9.5	25	25	19	13	8
POL6-03-I	8	R3/8	10.5	27	30.5	24	13	10
POL8-01-I		R1/8	7	26.5	22.5	18.5	14.5	6
POL8-02-I		R1/4	9.5	29	25	19	14.5	8
POL8-03-I		R3/8	10.5	30.5	30.5	24	14.5	10
POL8-04-I	10	R1/2	14	33	37	29	14.5	12
POL10-01-I		R1/8	7	29	22.5	18.5	18.5	6
POL10-02-I		R1/4	9.5	31	25	19	18.5	8
POL10-03-I		R3/8	10.5	32	30.5	24	18.5	10
POL10-04-I	12	R1/2	14	34.5	37	29	18.5	12
POL12-02-I		R1/4	9.5	33	25	19	21	8
POL12-03-I		R3/8	10.5	35	30.5	24	21	10
POL12-04-I	14	R1/2	14	36.5	37	29	21	12
POL14-04-I		R1/2	14	39	37	29	26	12
POL16-04-I	16	R1/2	14	39	37	29	26	12

POL-II Series



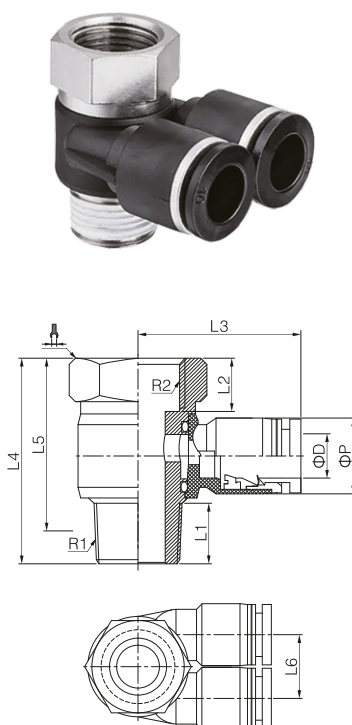
Model	ΦD	R	L1	L2	L3	L4	ΦP	OI
POL4-M5-II	4	M5	3.5	20	17.5	14	11	4
POL4-M6-II		M6	4	20	18	14	11	4
POL4-01-II		R1/8	8	20	21	17	11	4
POL6-01-II	6	R1/8	8	23	24	20	13	5
POL6-02-II		R1/4	11	23	27	21	13	5
POL8-01-II	8	R1/8	8	27	27	23	14.5	8
POL8-02-II		R1/4	11	27	30	24	14.5	8
POL8-03-II		R3/8	12	27	31	24.5	14.5	8
POL10-02-II	10	R1/4	11	31	34	28	18.5	10
POL10-03-II		R3/8	12	31	35	28.5	18.5	10
POL10-04-II		R1/2	15	31	38	29.5	18.5	10
POL12-02-II	12	R1/4	11	36.5	38	32	21	12
POL12-03-II		R3/8	12	36.5	39	32.5	21	12
POL12-04-II		R1/2	15	36.5	42	33.5	21	12

PA Series



Model	ΦD	R	L1	L2	L3	L4	L5	ΦP	OI
PA4-M5	4	M5	4	22.5	17	13	11	11	8
PA6-01	6	R1/8	7	24	24	20	13	13	12
PA8-01	8	R1/8	7	26	24	20	14.5	14.5	12
PA8-02		R1/4	9.5	28	26.5	20.5	14.5	14.5	14
PA10-02	10	R1/4	9.5	31	26.5	20.5	18.5	18.5	14
PA10-03		R3/8	10.5	33	32	25.5	18.5	18.5	19
PA12-03	12	R3/8	10.5	34	32	25.5	21	21	19
PA12-04		R1/2	14	36.5	39	31	21	21	24
PA6-G01	6	G1/8	5	24	23.5	18.5	13	13	12
PA8-G01	8	G1/8	5	26	23.5	18.5	14.5	14.5	12
PA8-G02		G1/4	7.5	28	27	19.5	14.5	14.5	14
PA10-G02	10	G1/4	7.5	31	27	19.5	18.5	18.5	14
PA10-G03		G3/8	7.5	33	32	24.5	18.5	18.5	19
PA12-G03	12	G3/8	7.5	34	32	24.5	21	21	19
PA12-G04		G1/2	10	26.5	39	29	21	21	24

PAF Series



Model	ΦD	R	L1	L2	L3	L4	L5	L6	ΦP	OI
PAF4-M5	4	M5	4	5	22.5	20	16	11	11	8
PAF6-01	6	R1/8	7	7	24	28	24	13	13	14
PAF8-01	8	R1/8	7	7	26	28	24	14.5	14.5	14
PAF8-02		R1/4	9.5	9.5	28	33	27	14.5	14.5	17
PAF10-02	10	R1/4	9.5	9.5	31	33	27	18.5	18.5	17
PAF10-03		R3/8	10.5	10.5	33	39	32.5	18.5	18.5	21
PAF12-03	12	R3/8	10.5	10.5	34	39	32.5	21	21	21
PAF12-04		R1/2	14	14	36.5	46.5	38.5	21	21	24
PAF6-G01	6	G1/8	5	7	24	27.5	22.5	13	13	14
PAF8-G01	8	G1/8	5	7	26	27.5	22.5	14.5	14.5	14
PAF8-G02		G1/4	7	9.5	28	33	26	14.5	14.5	17
PAF10-G02	10	G1/4	7	9.5	31	33	26	18.5	18.5	17
PAF10-G03		G3/8	7.5	10.5	33	39	31.5	18.5	18.5	21
PAF12-G03	12	G3/8	7.5	10.5	34	39	31.5	21	21	21
PAF12-G04		G1/2	10	14	36.5	46.5	36.5	21	21	24

Fittings,
Air Hose

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Fittings

Mini Quick
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Rotary
Joint

Stop
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Controllers

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Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
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KZD

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310
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320
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200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

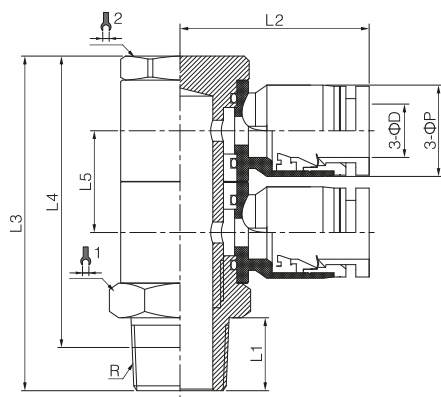
Air Gun

Tracheal
Scissors

Silencers

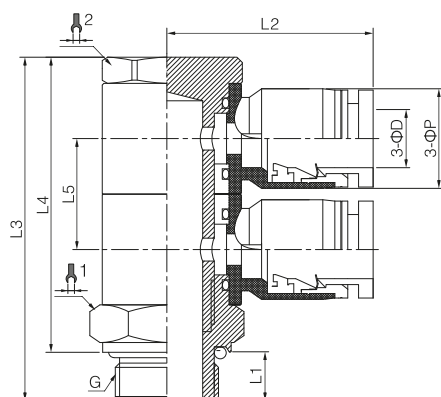
Fittings,
Air Hose

PHW-R Series



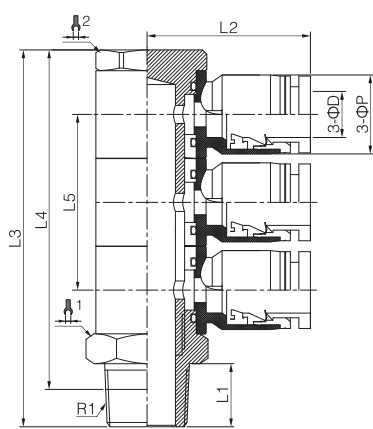
Model	ΦD	R	L1	L2	L3	L4	L5	ΦP	1	2
PHW4-01	4	R1/8	8	23.5	43	39	13.5	13	14	14
PHW4-02		R1/4	11	23.5	46	40	13.5	13	14	14
PHW6-01	6	R1/8	8	23.5	43	39	13.5	13	14	14
PHW6-02		R1/4	11	23.5	46	40	13.5	13	14	14
PHW6-03	8	R3/8	12	23.5	48	41.5	13.5	13	17	14
PHW8-01		R1/8	8	27.5	47	43	15	14.5	17	17
PHW8-02	8	R1/4	11	27.5	50	44	15	14.5	17	17
PHW8-03		R3/8	12	27.5	51	44.5	15	14.5	17	17
PHW8-04	10	R1/2	15	27.5	55	47	15	14.5	21	17
PHW10-02		R1/4	11	32	58	52	18.5	18.5	21	21
PHW10-03	10	R3/8	12	32	59	52.5	18.5	18.5	21	21
PHW10-04		R1/2	15	32	62	54	18.5	18.5	21	21
PHW12-02	12	R1/4	11	35	64.5	58.5	21.5	21	24	24
PHW12-03		R3/8	12	35	65.5	59	21.5	21	24	24
PHW12-04	12	R1/2	15	35	68.5	60.5	21.5	21	24	24

PHW-G Series



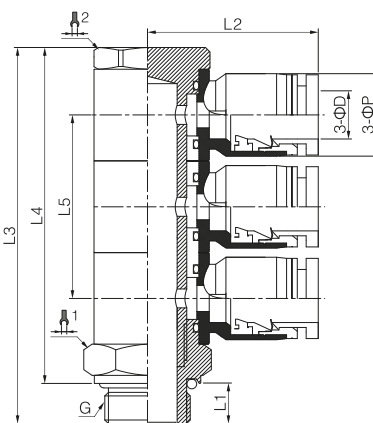
Model	ΦD	G	L1	L2	L3	L4	L5	ΦP	1	2
PHW4-G01	4	G1/8	5.5	23.5	42	36.5	13.5	13	14	14
PHW4-G02		G1/4	6.5	23.5	43	36.5	13.5	13	17	14
PHW6-G01	6	G1/8	5.5	23.5	42	36.5	13.5	13	14	14
PHW6-G02		G1/4	6.5	23.5	43	36.5	13.5	13	17	14
PHW6-G03	8	G3/8	7.5	23.5	45	37.5	13.5	13	20	14
PHW8-G01		G1/8	5.5	27.5	46	40.5	15	14.5	17	17
PHW8-G02	8	G1/4	6.5	27.5	47	40.5	15	14.5	17	17
PHW8-G03		G3/8	7.5	27.5	48	40.5	15	14.5	20	17
PHW8-G04	10	G1/2	10	27.5	51.5	41.5	15	14.5	24	17
PHW10-G02		G1/4	6.5	32	55	48.5	18.5	18.5	21	21
PHW10-G03	10	G3/8	7.5	32	56	48.5	18.5	18.5	21	21
PHW10-G04		G1/2	10	32	58.5	48.5	18.5	18.5	24	21
PHW12-G02	12	G1/4	6.5	35	61.5	55	21.5	21	24	24
PHW12-G03		G3/8	7.5	35	62.5	55	21.5	21	24	24
PHW12-G04	12	G1/2	10	35	65	55	21.5	21	24	24

PHT-R Series



Model	ΦD	R	L1	L2	L3	L4	L5	ΦP	1	2
PHT4-01	4	R1/8	8	23.5	56.5	52.5	13.5	13	14	14
PHT4-02		R1/4	11	23.5	59.5	53.5	13.5	13	14	14
PHT6-01	6	R1/8	8	23.5	56.5	52.5	13.5	13	14	14
PHT6-02		R1/4	11	23.5	59.5	53.5	13.5	13	14	14
PHT6-03		R3/8	12	23.5	61.5	55	13.5	13	17	14
PHT8-01	8	R1/8	8	27.5	62	58	15	14.5	17	17
PHT8-02		R1/4	11	27.5	65	59	15	14.5	17	17
PHT8-03		R3/8	12	27.5	66	59.5	15	14.5	17	17
PHT8-04		R1/2	15	27.5	70	62	15	14.5	21	17
PHT10-02	10	R1/4	11	32	76.5	70.5	18.5	18.5	21	21
PHT10-03		R3/8	12	32	77.5	71	18.5	18.5	21	21
PHT10-04		R1/2	15	32	80.5	72.5	18.5	18.5	21	21
PHT12-02	12	R1/4	11	35	86	80	21.5	21	24	24
PHT12-03		R3/8	12	35	87	80.5	21.5	21	24	24
PHT12-04		R1/2	15	35	90	82	21.5	21	24	24

PHT-G Series



Model	ΦD	G	L1	L2	L3	L4	L5	ΦP	1	2
PHT4-G01	4	G1/8	5.5	23.5	55.5	50	13.5	13	14	14
PHT4-G02		G1/4	6.5	23.5	56.5	50	13.5	13	17	14
PHT6-G01	6	G1/8	5.5	23.5	55.5	50	13.5	13	14	14
PHT6-G02		G1/4	6.5	23.5	56.5	50	13.5	13	17	14
PHT6-G03		G3/8	7.5	23.5	58.5	51	13.5	13	20	14
PHT8-G01	8	G1/8	5.5	27.5	61	55.5	15	14.5	17	17
PHT8-G02		G1/4	6.5	27.5	62	55.5	15	14.5	17	17
PHT8-G03		G3/8	7.5	27.5	63	55.5	15	14.5	20	17
PHT8-G04		G1/2	10	27.5	66.5	56.5	15	14.5	24	17
PHT10-G02	10	G1/4	6.5	32	73.5	67	18.5	18.5	21	21
PHT10-G03		G3/8	7.5	32	74.5	67	18.5	18.5	21	21
PHT10-G04		G1/2	10	32	77	67	18.5	18.5	24	21
PHT12-G02	12	G1/4	6.5	35	83	76.5	21.5	21	24	24
PHT12-G03		G3/8	7.5	35	84	76.5	21.5	21	24	24
PHT12-G04		G1/2	10	35	86.5	76.5	21.5	21	24	24

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

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Push-IN
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316L
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KIS-A
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320
(EURO 7.6)

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Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers

Fittings,
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Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

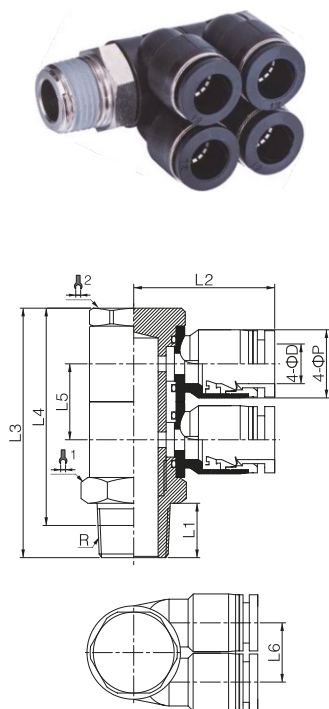
UN54D

Air Gun

Tracheal
Scissors

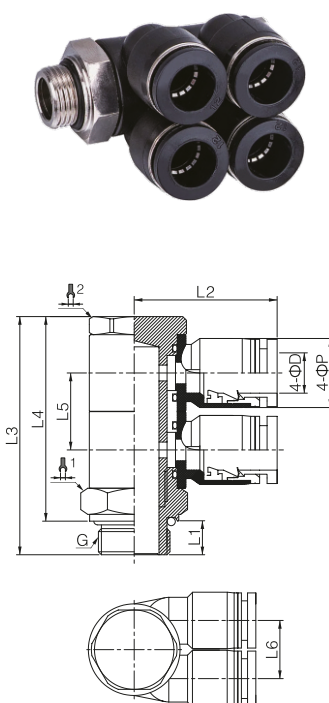
Silencers

PAW-R Series



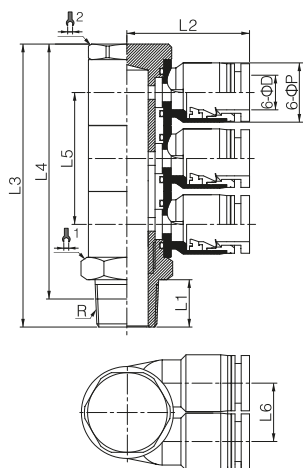
Model	ΦD	R	L1	L2	L3	L4	L5	L6	ΦP	1	2
PAW4-01	4	R1/8	8	23	43	39	13.5	13	13	14	14
PAW4-02		R1/4	11	23	46	40	13.5	13	13	14	14
PAW6-01	6	R1/8	8	23.5	43	39	13.5	13	13	14	14
PAW6-02		R1/4	11	23.5	46	40	13.5	13	13	14	14
PAW6-03	8	R3/8	12	23.5	48	41.5	13.5	13	13	17	17
PAW8-01		R1/8	8	27.5	47	43	15	14.5	14.5	17	17
PAW8-02	10	R1/4	11	27.5	50	44	15	14.5	14.5	17	17
PAW8-03		R3/8	12	27.5	51	44.5	15	14.5	14.5	17	17
PAW8-04	12	R1/2	15	27.5	55	47	15	14.5	14.5	21	21
PAW10-02		R1/4	11	32	58	52	18.5	18.5	18.5	21	21
PAW10-03	12	R3/8	12	32	59	52.5	18.5	18.5	18.5	21	21
PAW10-04		R1/2	15	32	62	54	18.5	18.5	18.5	21	21
PAW12-02	12	R1/4	11	35	64.5	58.5	21.5	21	21	24	24
PAW12-03		R3/8	12	35	65.5	59	21.5	21	21	24	24
PAW12-04	12	R1/2	15	35	68.5	60.5	21.5	21	21	24	24

PAW-G Series



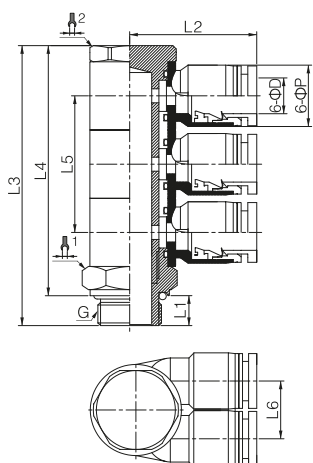
Model	ΦD	G	L1	L2	L3	L4	L5	L6	ΦP	1	2
PAW4-G01	4	G1/8	5.5	23	42	36.5	13.5	13	13	14	14
PAW4-G02		G1/4	6.5	23	43	36.5	13.5	13	13	17	14
PAW6-G01	6	G1/8	5.5	23.5	42	36.5	13.5	13	13	14	14
PAW6-G02		G1/4	6.5	23.5	43	36.5	13.5	13	13	17	14
PAW6-G03	8	G3/8	7.5	23.5	45	37.5	13.5	13	13	20	14
PAW8-G01		G1/8	5.5	27.5	46	40.5	15	14.5	14.5	17	17
PAW8-G02	10	G1/4	6.5	27.5	47	40.5	15	14.5	14.5	17	17
PAW8-G03		G3/8	7.5	27.5	48	40.5	15	14.5	14.5	20	17
PAW8-G04	12	G1/2	10	27.5	51.5	41.5	15	14.5	14.5	24	17
PAW10-G02		G1/4	6.5	32	55	48.5	18.5	18.5	18.5	21	21
PAW10-G03	12	G3/8	7.5	32	56	48.5	18.5	18.5	18.5	21	21
PAW10-G04		G1/2	10	32	58.5	48.5	18.5	1.85	18.5	24	21
PAW12-G02	12	G1/4	6.5	35	61.5	55	21.5	21	21	24	24
PAW12-G03		G3/8	7.5	35	62.5	55	21.5	21	21	24	24
PAW12-G04	12	G1/2	10	35	65	55	21.5	21	21	24	24

PAT-R Series



Model	ΦD	R	L1	L2	L3	L4	L5	L6	ΦP	1	2
PAT4-01	4	R1/8	8	23	56.5	52.5	13.5	13	13	14	14
PAT4-02		R1/4	11	23	59.5	53.5	13.5	13	13	14	14
PAT6-01	6	R1/8	8	23.5	56.5	52.5	13.5	13	13	14	14
PAT6-02		R1/4	11	23.5	59.5	53.5	13.5	13	13	14	14
PAT6-03		R3/8	12	23.5	61.5	55	13.5	13	13	17	14
PAT8-01	8	R1/8	8	27.5	62	58	15	14.5	14.5	17	17
PAT8-02		R1/4	11	27.5	65	59	15	14.5	14.5	17	17
PAT8-03		R3/8	12	27.5	66	59.5	15	14.5	14.5	17	17
PAT8-04		R1/2	15	27.5	70	62	15	14.5	14.5	21	17
PAT10-02	10	R1/4	11	32	76.5	70.5	18.5	18.5	18.5	21	21
PAT10-03		R3/8	12	32	77.5	71	18.5	18.5	18.5	21	21
PAT10-04		R1/2	15	32	80.5	72.5	18.5	18.5	18.5	21	21
PAT12-02	12	R1/4	11	35	86	80	21.5	21	21	24	24
PAT12-03		R3/8	12	35	87	80.5	21.5	21	21	24	24
PAT12-04		R1/2	15	35	90	82	21.5	21	21	24	24

PAT-G Series



Model	ΦD	G	L1	L2	L3	L4	L5	L6	ΦP	1	2
PAT4-G01	4	G1/8	5.5	23	55.5	50	13.5	13	13	14	14
PAT4-G02		G1/4	6.5	23	56.5	50	13.5	13	13	17	14
PAT6-G01	6	G1/8	5.5	23.5	55.5	50	13.5	13	13	14	14
PAT6-G02		G1/4	6.5	23.5	56.5	50	13.5	13	13	17	14
PAT6-G03		G3/8	7.5	23.5	58.5	51	13.5	13	13	20	14
PAT8-G01	8	G1/8	5.5	27.5	61	55.5	15	14.5	14.5	17	17
PAT8-G02		G1/4	6.5	27.5	62	55.5	15	14.5	14.5	17	17
PAT8-G03		G3/8	7.5	27.5	63	55.5	15	14.5	14.5	20	17
PAT8-G04		G1/2	10	27.5	66.5	56.5	15	14.5	14.5	24	17
PAT10-G02	10	G1/4	6.5	32	73.5	67	18.5	18.5	18.5	21	21
PAT10-G03		G3/8	7.5	32	74.5	67	18.5	18.5	18.5	21	21
PAT10-G04		G1/2	10	32	77	67	18.5	18.5	18.5	24	21
PAT12-G02	12	G1/4	6.5	35	83	76.5	21.5	21	21	24	24
PAT12-G03		G3/8	7.5	35	84	76.5	21.5	21	21	24	24
PAT12-G04		G1/2	10	35	86.5	76.5	21.5	21	21	24	24

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers