

Metric One-Touch Fittings

SQH



SQL



SQT



SQY



SQU



SQW



SQV



SQF



SQE



Applicable tube material	Applicable tube O.D (mm)					With Sealant
	φ4	φ6	φ8	φ10	φ12	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●		●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	

Series SQ

Tube/Metric, Thread/M, Rc(PT)



● Connection and Disconnection of Tubing

Tube and joint are completely joined by inserting the tube.

They are also easily separated within 1~2 seconds by pressing down on the sleeve with fingers and pulling the tube, without any tools.

● Easy Piping in a Narrow Space

Hex wrenches can be used for piping the SQH-T type 4, 6, 8 sizes.

Seal treated screw makes operation simple.
(Screw coated with CHEMI Seal)

SPSA

SQ

SP

SPM

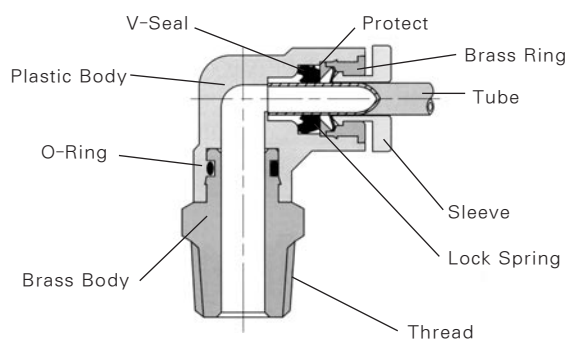
ST

SN

SF

SPS

Structures



Installation Torque

Thread Size	Torque/kg • cm
PT 1/8	70~90
PT 1/4	120~140
PT 3/8	220~240
PT 1/2	280~300
M5	12

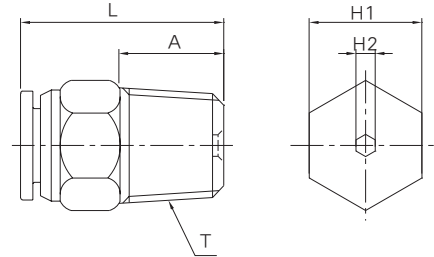
Specifications

Fluid	Air
Max.operating pressure	990 KPa(140.8psi)
Proof pressure	1,250 KPa(177.75psi)
Ambient and fluid temperature	0~60℃(32~140°F)

One Touch Fittings

Dimensions

Male Connector



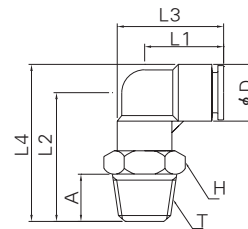
SQH Type

Unit: mm

Model	Tube size	T(Thread)	L	A	H1	H2
SQH04-01S	4	PT1/8	18.9	8	10	2
SQH04-02S	4	PT1/4	20.4	11	14	2.5
SQH04-M5	4	M5	21	4	10	2
SQH04-M5A	4	M5	21	4	10	2
SQH06-01S	6	PT1/8	20.9	8	12	4
SQH06-02S	6	PT1/4	22.9	11	14	4
SQH06-03S	6	PT3/8	22.9	12	17	4
SQH06-M5	6	M5	21.3	4	12	2
SQH06-M5A	6	M5	21.3	4	12	2
SQH08-01S	8	PT1/8	25.9	8	14	4
SQH08-02S	8	PT1/4	24.9	11	14	6
SQH08-03S	8	PT3/8	22.9	12	17	6
SQH08-04S	8	PT1/2	26.7	15	22	6
SQH10-01S	10	PT1/8	28.5	8	17	φ 5
SQH10-02S	10	PT1/4	29.8	11	17	φ 6
SQH10-03S	10	PT3/8	26.3	12	17	φ 8
SQH10-04S	10	PT1/2	26.1	15	22	φ 8
SQH12-02S	12	PT1/4	33.3	11	19	φ 8
SQH12-03S	12	PT3/8	30.7	12	19	φ 10
SQH12-04S	12	PT1/2	31.9	15	22	φ 10

Dimensions

Male Elbow



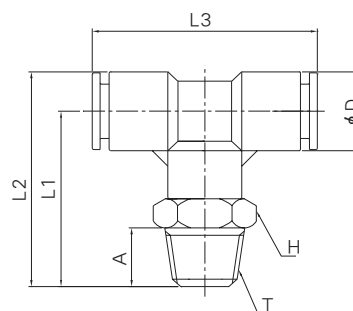
SQL Type

Unit: mm

Model	Tube size	T (Thread)	L1	L2	L3	L4	A	H	D
SQL04-01S	4	PT1/8	17.1	24.9	22.2	30	8	10	10.2
SQL04-02S	4	PT1/4	17.1	27.9	22.2	33	11	14	10.2
SQL04-M5	4	M5	17	17.9	21.1	23	4	8	10.2
SQL06-01S	6	PT1/8	18.4	26	24.3	32.3	8	12	12.6
SQL06-02S	6	PT1/4	18.4	29	24.3	35.3	11	14	12.6
SQL06-03S	6	PT3/8	18.4	30	24.3	36.3	12	17	12.6
SQL06-M5	6	M5	18	17.9	22.1	24.2	4	8	12.6
SQL08-01S	8	PT1/8	20.4	27	27.2	34.4	8	14	14.7
SQL08-02S	8	PT1/4	20.4	29.9	27.2	37.3	11	14	14.7
SQL08-03S	8	PT3/8	20.4	30.9	27.2	38.3	12	17	14.7
SQL08-04S	8	PT1/2	20.4	35.4	27.2	42.8	15	22	14.7
SQL10-01S	10	PT1/8	23.9	30	32.4	38.8	8	17	17.6
SQL10-02S	10	PT1/4	23.9	33	32.4	41.8	11	17	17.6
SQL10-03S	10	PT3/8	23.9	34	32.4	42.8	12	17	17.6
SQL10-04S	10	PT1/2	23.9	38.5	32.4	47.3	11	22	17.6
SQL12-02S	12	PT1/4	24.9	35	34	45	11	19	20
SQL12-03S	12	PT3/8	24.9	35	34	46	12	19	20
SQL12-04S	12	PT1/2	24.9	40.5	34	50.5	15	22	20

Dimensions

Branch Tee



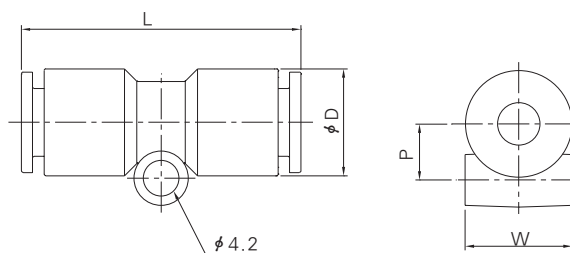
SQT Type

Unit: mm

Model	Tube size	T (Thread)	L1	L2	L3	A	H	D
SQT04-01S	4	PT1/8	24.9	30	34.2	8	10	10.2
SQT04-02S	4	PT1/4	27.9	33	34.2	11	14	10.2
SQT04-M5	4	M5	22.4	27.5	34.2	4	10	10.2
SQT06-01S	6	PT1/8	26	32.3	36.8	8	12	12.6
SQT06-02S	6	PT1/4	29	35.3	36.8	11	14	12.6
SQT06-03S	6	PT3/8	30	36.3	36.8	12	17	12.6
SQT06-M5	6	M5	23.5	29.8	36.8	4	12	12.6
SQT08-01S	8	PT1/8	27	34.4	40.8	8	14	14.7
SQT08-02S	8	PT1/4	29.9	37.3	40.8	11	14	14.7
SQT08-03S	8	PT3/8	30.9	38.3	40.8	12	17	14.7
SQT08-04S	8	PT1/2	35.4	42.8	40.8	15	22	14.7
SQT10-01S	10	PT1/8	30	38.8	47.8	8	17	17.6
SQT10-02S	10	PT1/4	33	41.8	47.8	11	17	17.6
SQT10-03S	10	PT3/8	34	42.8	47.8	12	17	17.6
SQT10-04S	10	PT1/2	38.5	47.3	47.8	15	22	17.6
SQT12-02S	12	PT1/4	35	45	49.8	11	19	20
SQT12-03S	12	PT3/8	36	46	49.8	12	19	20
SQT12-04S	12	PT1/2	40.5	50.5	49.8	15	22	20

Dimensions

Straight Union



SQH Type

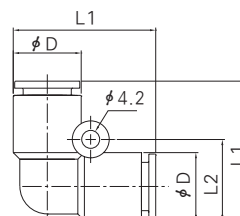
Unit: mm

Model	Tube size	L	P	D	W
SQH04-00	4	31.8	5.8	10.2	10.2
SQH06-00	6	33.6	6.6	12.6	12.6
SQH08-00	8	35.8	7.6	14.7	14.7
SQH10-00	10	41.2	8.9	17.6	17.6
SQH12-00	12	43.2	9.8	20	20

One Touch Fittings

Dimensions

Union Elbow



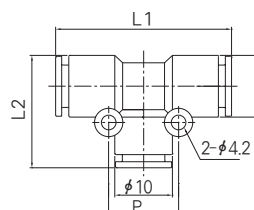
Unit: mm

SQL Type

Model	Tube size	L1	L2	D
SQL04-00	4	22.2	12.2	10.2
SQL06-00	6	24.6	14.7	12.6
SQL08-00	8	27.8	16.8	14.7
SQL10-00	10	32.7	19.6	17.6
SQL12-00	12	35.4	22	20

Dimensions

Union Tee



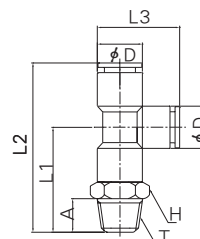
Unit: mm

SQT Type

Model	Tube size	L1	L2	P	D
SQT04-00	4	34.2	22.2	14.2	10.2
SQT06-00	6	36.6	24.6	16.8	12.6
SQT08-00	8	40.8	27.8	18.8	14.7
SQT10-00	10	47.8	32.7	21.6	17.6
SQT12-00	12	46.8	34.9	24	20

Dimensions

Male Run Tee



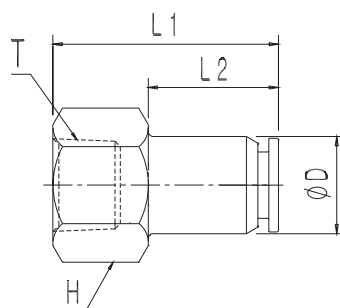
Unit: mm

SQY Type

Model	Tube size	T (Thread)	L1	L2	L3	A	H	D
SQY04-01S	4	PT1/8	24.8	41.9	22.2	8	10	10.2
SQY04-02S	4	PT1/4	27.8	44.9	22.2	11	14	10.2
SQY04-M5	4	M5	22.3	39.4	22.2	4	10	10.2
SQY06-01S	6	PT1/8	26	44.3	24.6	8	12	12.6
SQY06-02S	6	PT1/4	29	47.3	24.6	11	14	12.6
SQY06-03S	6	PT3/8	30	48.3	24.6	12	17	12.6
SQY06-M5	6	M5	23.5	41.8	24.6	4	12	12.6
SQY08-01S	8	PT1/8	27	47.4	27.8	8	14	14.7
SQY08-02S	8	PT1/4	29.9	50.3	27.8	11	14	14.7
SQY08-03S	8	PT3/8	30.9	51.3	27.8	12	17	14.7
SQY08-04S	8	PT1/2	35.4	55.8	27.8	15	22	14.7
SQY10-01S	10	PT1/8	30	53.9	32.7	8	17	17.6
SQY10-02S	10	PT1/4	33	56.9	32.7	11	17	17.6
SQY10-03S	10	PT3/8	34	57.9	32.7	12	17	17.6
SQY10-04S	10	PT1/2	38.5	62.4	32.7	15	22	17.6
SQY12-02S	12	PT1/4	35	59.9	34.9	11	19	20
SQY12-03S	12	PT3/8	36	60.9	34.9	12	19	20
SQY12-04S	12	PT1/2	40.5	65.4	34.9	15	22	20

Dimensions

Female Union



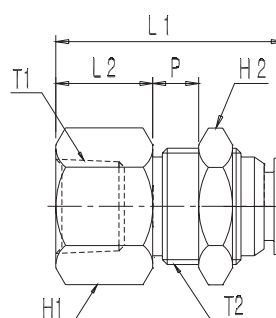
SQF Type

Unit: mm

Model	Tube size	T (Thread)	L1	L2	A	H	D
SQF04-01	4	PT1/8	24	14	6.5	14	10.2
SQF04-02	4	PT1/4	27	13.5	9.5	17	10.2
SQF06-01	6	PT1/8	26	16	6.5	14	12.6
SQF06-02	6	PT1/4	29	15	9.5	17	12.6
SQF06-03	6	PT3/8	30.1	15.1	10.5	21	12.6
SQF08-01	8	PT1/8	28.1	18.1	6.5	17	14
SQF08-02	8	PT1/4	31.1	17.2	9.5	17	14
SQF08-03	8	PT3/8	32.1	17.1	10.5	21	14
SQF08-04	8	PT1/2	36	17	13.5	24	14
SQF10-01	10	PT1/8	30.3	20.3	6.5	17	16.4
SQF10-02	10	PT1/4	33.3	19.4	9.5	17	16.4
SQF10-03	10	PT3/8	34.3	19.3	10.5	21	16.4
SQF10-04	10	PT1/2	37.3	18.3	13.5	24	16.4
SQF12-02	12	PT1/4	35.9	22	9.5	21	19
SQF12-03	12	PT3/8	36.9	22	10.5	21	19
SQF12-04	12	PT1/2	39.9	20.9	13.5	24	19

Dimensions

Bulkhead Female Union



SQE Type

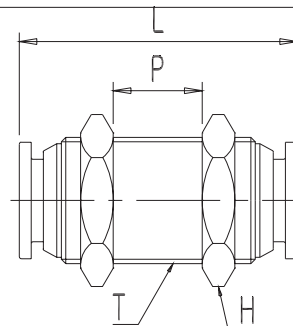
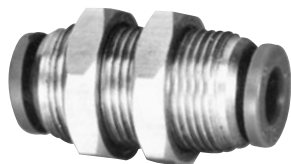
Unit: mm

Model	Tube size	T (Thread)	T2 (Thread)	L1	L2	A	H1	H2	P
SQE04-01	4	PT1/8	12×P1	24	10	6.5	14	14	4.5
SQE06-01	6	PT1/8	14×P1	26	10	6.5	17	17	6.5
SQE06-02	6	PT1/4	14×P1	29	13	9.5	17	17	6.5
SQE08-01	8	PT1/8	16×P1	28.1	10	6.5	19	19	7.5
SQE08-02	8	PT1/4	16×P1	31.1	13.9	9.5	19	19	6.5
SQE08-03	8	PT3/8	16×P1	32.1	15	13.5	19	19	6.5
SQE10-02	10	PT1/4	20×P1	33.3	13.9	9.5	24	24	9
SQE10-03	10	PT3/8	20×P1	34.3	15	10.5	24	24	9
SQE12-02	12	PT1/4	22×P1	35.9	13.9	9.5	26	26	10.5
SQE12-03	12	PT3/8	22×P1	36.9	14.9	10.5	26	26	10.5
SQE12-04	12	PT1/2	22×P1	39.9	19	13.5	26	26	9.5

One Touch Fittings

Dimensions

Bulkhead Union



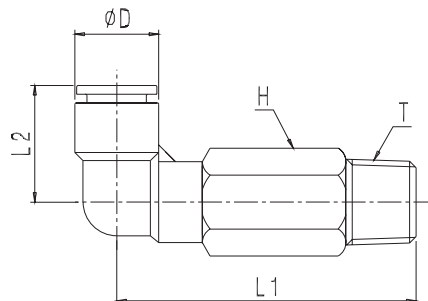
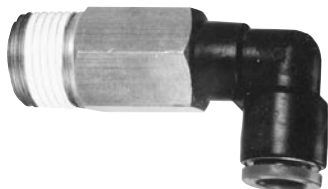
SQE Type

Unit: mm

Model	Tube size	T (Thread)	L	H1	P
SQE04-00	4	12×P1	30.5	14	12.4
SQE06-00	6	14×P1	31.5	17	13.5
SQE08-00	8	16×P1	34.2	19	14.2
SQE10-00	10	20×P1	38.6	24	18.6
SQE12-00	12	22×P1	40.6	26	16.9

Dimensions

Extended Male Elbow



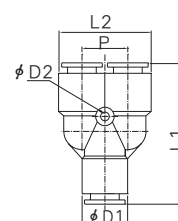
SQW Type

Unit: mm

Model	Tube size	T (Thread)	L1	L2	A	H	D
SQW04-01S	4	PT1/8	43.9	17.1	8	10	10.2
SQW04-02S	4	PT1/4	41.9	17.1	11	14	10.2
SQW04-M5	4	M5	29.7	17	4	8	10.2
SQW06-01S	6	PT1/8	40	18.4	8	12	12.6
SQW06-02S	6	PT1/4	43	18.4	11	14	12.6
SQW06-03S	6	PT3/8	44	18.4	12	17	12.6
SQW06-M5	6	M5	31.8	18	4	8	12.6
SQW08-01S	8	PT1/8	42.9	20.4	8	14	14.7
SQW08-02S	8	PT1/4	45.9	20.4	11	14	14.7
SQW08-03S	8	PT3/8	46.9	20.4	12	17	14.7
SQW08-04S	8	PT1/2	51.4	20.4	15	22	14.7
SQW10-01S	10	PT1/8	49	23.9	8	17	17.6
SQW10-02S	10	PT1/4	52	23.9	11	17	17.6
SQW10-03S	10	PT3/8	54	23.9	12	17	17.6
SQW10-04S	10	PT1/2	59.5	23.9	15	22	17.6
SQW12-02S	12	PT1/4	57	24.9	11	19	20
SQW12-03S	12	PT3/8	58	24.9	12	19	20
SQW12-04S	12	PT1/2	61.5	24.9	15	22	20

Dimensions

Union "Y"



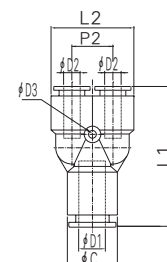
Unit: mm

SQU Type

Model	Tube size	L1	L2	P	D1	D2
SQU04-00	4	33.8	20.4	10.2	10.2	3.5
SQU06-00	6	35.1	25	12.4	12.6	3.2
SQU08-00	8	39.3	29.1	14.4	14.7	4.3
SQU10-00	10	45.2	34.8	17.2	17.6	4.3
SQU12-00	12	47.3	39.4	19.4	20	4.3

Dimensions

"Y" Reducer



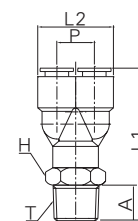
Unit: mm

QU Type

Model	Tube O/D		D3	L1	L2	P	C
	D1	D2					
SQU04-06	6	4	3.5	34.4	20.4	10.2	12.6
SQU06-08	8	6	4.2	36.2	25	12.4	14.7
SQU08-10	10	8	4.3	41	29.1	14.4	17.6
SQU10-12	12	10	4.3	46.2	46.2	17.2	20

Dimensions

Branch "Y"



Unit: mm

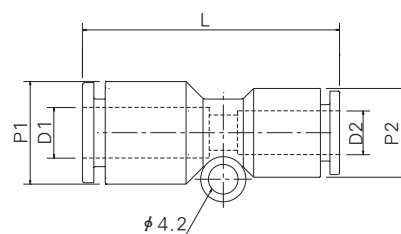
SQU Type

Model	Tube size	T (Thread)	L1	L2	A	H	P
SQU04-01S	4	PT1/8	41.5	20.4	8	10	10.1
SQU04-02S	4	PT1/4	44.5	20.4	11	14	10.1
SQU04-M5	4	M5	39	20.4	4	10	10.1
SQU06-01S	6	PT1/8	42.5	24.8	8	12	12.2
SQU06-02S	6	PT1/4	45.5	24.8	11	14	12.2
SQU06-03S	6	PT3/8	46.5	24.8	12	17	12.2
SQU06-M5	6	M5	40	24.8	4	12	12.2
SQU08-01S	8	PT1/8	44.8	29.1	8	14	14.4
SQU08-02S	8	PT1/4	47.7	29.1	11	14	14.4
SQU08-03S	8	PT3/8	48.7	29.1	12	17	14.4
SQU08-04S	8	PT1/2	53.2	29.1	15	22	14.4
SQU10-01S	10	PT1/8	49.9	34.8	8	17	17.2
SQU10-02S	10	PT1/4	52.9	34.8	11	17	17.2
SQU10-03S	10	PT3/8	53.9	34.8	12	17	17.2
SQU10-04S	10	PT1/2	58.4	34.8	15	22	17.2
SQU12-02S	12	PT1/4	53.9	39.4	11	19	19.4
SQU12-03S	12	PT3/8	54.9	39.4	12	19	19.4
SQU12-04S	12	PT1/2	59.4	39.4	15	22	19.4

One Touch Fittings

Dimensions

Straight Reducer



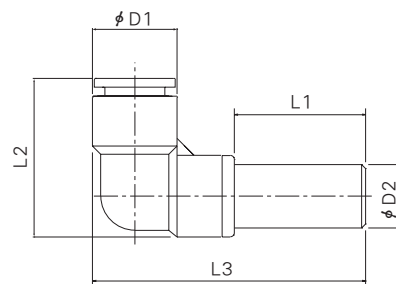
SQH Type

Unit: mm

Model	Tube O/D		L	P1	P2
	D1	D2			
SQH04-06	6	4	33.1	12.6	10.2
SQH06-08	8	6	34.7	14.7	12.6
SQH08-10	10	8	38	17.6	14.7
SQH10-12	12	10	41.2	20	17.6

Dimensions

Plug-in Elbow



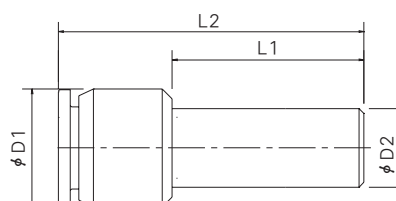
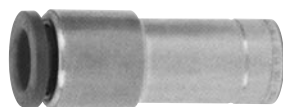
SQL Type

Unit: mm

Model	Tube size	D1	D2	L1	L2	L3
SQL04-99	4	10.2	4	17.2	22.2	36.7
SQL06-99	6	12.6	6	19.5	24.3	40.8
SQL08-99	8	14.7	8	22	27.2	43.35
SQL10-99	10	17.6	10	23.5	32.4	50.3
SQL12-99	12	20	12	27	34	55.5

Dimensions

Plug-in Straight



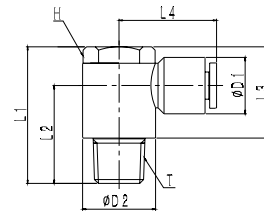
SQJ Type

Unit: mm

Model	Tube size	L1	L2	D1	D2
SQJ04-06	4	19.5	31.5	10	6
SQJ04-08	4	21	33	10	8
SQJ06-08	6	22	35	12	8
SQJ06-10	6	23.5	36.5	12	10
SQJ06-12	6	27	40	12	12
SQJ08-10	8	26.5	36.5	14	10
SQJ08-12	8	27	41.1	14	12
SQJ10-12	10	27	43.3	17	12

Dimensions

Universal Male Elbow

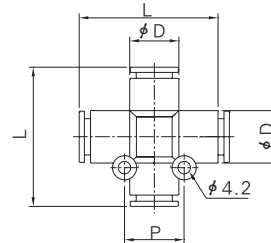


단위 : mm

Model	Tube size	T (Thread)	D1	D2	L1	L2	L3	L4	H
SQV04-M5	04	M5	10.2	10	21.2	13.7	16	19.3	8
SQV04-01S	04	PT1/8	10.2	15	29.3	20.3	21.7	21.8	14
SQV04-02S	04	PT1/4	10.2	19	35.6	26.3	23.8	23.8	17
SQV06-M5	06	M5	12.6	10	21.2	13.7	16	19.8	8
SQV06-01S	06	PT1/8	12.6	15	29.3	20.3	21.7	22.3	14
SQV06-02S	06	PT1/4	12.6	19	35.6	26.3	23.8	24	17
SQV06-03S	06	PT3/8	12.6	24	40.6	29.5	28.5	26.8	21
SQV08-01S	08	PT1/8	14.7	15	29.3	19.5	21.7	23.4	14
SQV08-02S	08	PT1/4	14.7	19	35.6	25.5	23.8	25.4	17
SQV08-03S	08	PT3/8	14.7	24	40.6	29.7	28.5	27.8	21
SQV08-04S	08	PT1/2	14.7	28	41.3	25.8	26	29.9	24
SQV10-02S	10	PT1/4	17.6	19	39.6	27.5	23.8	28.2	21
SQV10-03S	10	PT3/8	17.6	24	40.5	28.5	28.6	30.1	21
SQV10-04S	10	PT1/2	17.6	28	41.3	25.8	26	31.3	24
SQV12-02S	12	PT1/4	20	24.4	39.6	26.1	28.4	31.3	21
SQV12-03S	12	PT3/8	20	24.4	40.5	27.1	28.4	31.3	21
SQV12-04S	12	PT1/2	20	28	41.3	25.8	26	32.3	24

Dimensions

“+” Reducer(Cross)



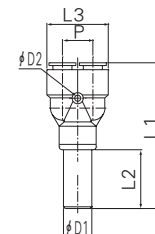
Unit: mm

SQZ Type

Model	Tube O/D	D	P	L
SQZ04-00	4	10.2	14.2	34.2
SQZ06-00	6	12.6	16.8	36.6
SQZ08-00	8	14.7	18.8	40.8
SQZ10-00	10	17.6	21.6	47.8
SQZ12-00	12	20	24	50.8

Dimensions

Plug-in “Y”



Unit: mm

SQU Type

Model	Tube size	L1	L2	L3	P	D1	D2
SQU04-99	4	49.5	39.1	20.4	10.2	4	3.5
SQU06-99	6	52.6	40.4	25	12.4	6	3.2
SQU08-99	8	57.3	44.8	29.1	14.4	8	4.3
SQU10-99	10	65.7	52.7	34.8	17.2	10	4.3
SQU12-99	12	69.8	54.8	39.4	19.4	12	4.3