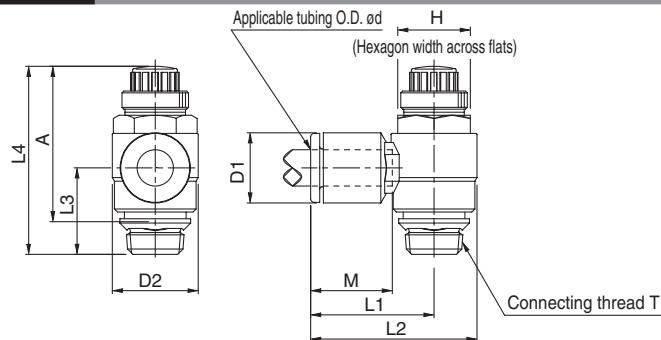


Series AS



Elbow Type/Metric Size

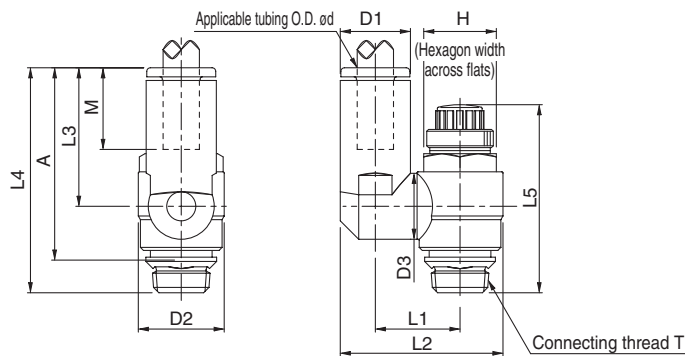


Model	Applicable tubing O.D. ød	T Uni thread	H	D1	D2	L1	L2	L3	L4		A*		M	Weight (g)
									Max.	Min.	Max.	Min.		
AS22□1F-U01-23	3.2	1/8	12	7.8	14.2	20.8	27.9	14.3	36.1	31.1	30.5	25.5	14.5	16.1
AS22□1F-U01-04	4			8.9		21.1	28.2						15.5	16.2
AS22□1F-U01-06	6			11.0		22.5	29.6						18.5	19.0
AS22□1F-U01-08	8			15.2		25.3	32.4						21.0	20.9
AS22□1F-U01-10	10	1/4	17	18.5	18.5	33.1	40.2	17.2	39.4	34.4	32.0	26.6	14.5	31.1
AS22□1F-U02-04	4			8.9		23.3	32.5						15.5	31.3
AS22□1F-U02-06	6			11.0		23.9	33.1						18.5	33.6
AS22□1F-U02-08	8			15.2		27.2	36.4						21.0	35.5
AS22□1F-U02-10	10	3/8	19	18.5	23.0	33.9	43.2	19	45.9	40.9	38.1	33.1	14.5	52.5
AS32□1F-U02-06	6			11.0		26.4	37.9						18.5	54.9
AS32□1F-U02-08	8			15.2		29.5	41.0						21.0	56.8
AS32□1F-U02-10	10			18.5		31.8	43.3						22.0	58.4
AS32□1F-U02-12	12	1/2	24	20.9	28.6	32.8	44.3	22.4	54.6	47.1	44.5	37.0	15.5	52.5
AS32□1F-U03-06	6			11.0		26.4	37.9						18.5	54.9
AS32□1F-U03-08	8			15.2		29.5	41.0						21.0	56.8
AS32□1F-U03-10	10			18.5		31.8	43.3						22.0	58.4
AS32□1F-U03-12	12	3/4	30	20.9	35.7	32.8	44.3	22.4	54.6	47.1	44.5	37.0	21.0	93.7
AS42□1F-U04-10	10			18.5		33.6	47.9						22.0	95.0
AS42□1F-U04-12	12			20.9		34.6	48.9							

* Reference dimensions of Uni thread after installation.



Universal Type/Metric Size



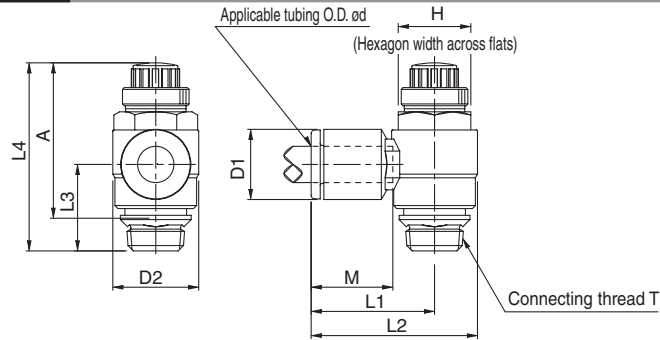
Model	Applicable tubing O.D. ød	T Uni thread	H	D1	D2	D3	L1	L2	L3	L4	L5		A*		M	Weight (g)
											Max.	Min.	Max.	Min.		
AS23□1F-U01-23	3.2	1/8	12	7.8	14.2	9.3	13.4	24.8	18.9	33.2	36.1	31.1	30.5	25.5	14.5	16.9
AS23□1F-U01-04	4			8.9		10.9	14.5	27.1	20.6	34.9					15.5	17.0
AS23□1F-U01-06	6			11.0		12.9	16.2	30.9	24.7	38.2					18.5	20.9
AS23□1F-U01-08	8			15.2		12.9	18.3	35.2	24.4	40.8					21.0	20.9
AS23□1F-U02-04	4	1/4	17	8.9	18.5	9.3	15.6	29.2	18.9	36.1	39.4	34.4	32.0	26.6	14.5	31.7
AS23□1F-U02-06	6			11.0		10.9	16.7	31.4	20.6	37.8					15.5	32.4
AS23□1F-U02-08	8			15.2		12.9	18.3	35.2	24.4	40.8					18.5	35.7
AS23□1F-U02-10	10			18.5		19.6	38.1	26.8	43.2	43.2					21.0	39.2
AS33□1F-U02-06	6	3/8	19	11.0	23.0	10.9	18.9	35.9	20.6	42.5	45.9	40.9	38.1	33.1	15.5	53.6
AS33□1F-U02-08	8			15.2		12.9	20.6	39.7	24.4	43.7					18.5	56.9
AS33□1F-U02-10	10			18.5		16.2	22.5	43.3	28.3	48.6					21.0	60.4
AS33□1F-U02-12	12			20.9		23.5	45.5	29.3	49.6	49.6					22.0	62.2
AS33□1F-U03-06	6	1/2	24	11.0	28.6	10.9	18.9	35.9	20.6	41.6	54.6	47.1	44.5	37.0	15.5	53.6
AS33□1F-U03-08	8			15.2		12.9	20.6	39.7	24.4	42.8					18.5	56.9
AS33□1F-U03-10	10			18.5		16.2	22.5	43.3	28.3	47.7					21.0	60.4
AS33□1F-U03-12	12			20.9		23.5	45.5	29.3	48.7	48.7					22.0	62.2
AS43□1F-U04-10	10	3/4	30	18.5	35.7	16.2	25.3	48.9	28.3	50.7	54.6	47.1	44.5	37.0	21.0	97.1
AS43□1F-U04-12	12			20.9		19.4	26.8	51.6	30.8	53.2					22.0	99.8

* Reference dimensions of Uni thread after installation.

Speed Controller with Uni One-touch Fitting Elbow Type/Universal Type **Series AS**



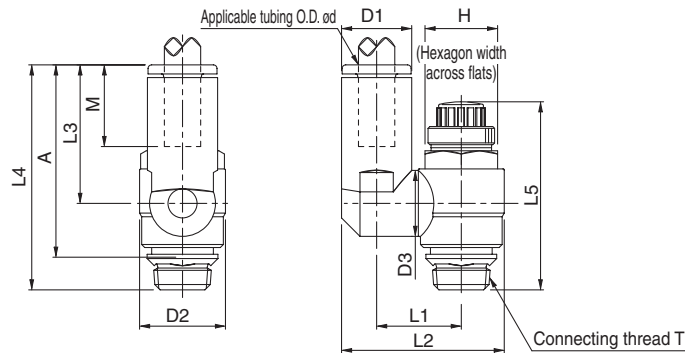
Elbow Type/Inch Size



Model	Applicable tubing O.D.ød	T Uni thread	H	D1	D2	L1	L2	L3	L4		A*		M	Weight (g)
									Max.	Min.	Max.	Min.		
AS22□1F-U01-01	1/8"	1/8	12	7.8	14.2	20.8	27.9	14.3	36.1	31.1	30.5	25.5	14.5	16.1
AS22□1F-U01-03	5/32"			8.9		21.1	28.2						16.2	16.2
AS22□1F-U01-05	3/16"			11.4		23.1	30.2						16.5	17.5
AS22□1F-U01-07	1/4"			13.2		23.9	31.0						17.0	18.1
AS22□1F-U01-09	5/16"			15.2		25.3	32.4						18.5	19.0
AS22□1F-U02-03	5/32"	1/4	17	8.9	18.5	23.3	32.5	17.2	39.4	34.4	32.0	26.6	14.5	31.1
AS22□1F-U02-05	3/16"			11.4		24.9	34.2						16.5	32.4
AS22□1F-U02-07	1/4"			13.2		25.2	34.5						17.0	32.9
AS22□1F-U02-09	5/16"			15.2		27.2	36.4						18.5	33.6
AS22□1F-U02-11	3/8"			17.9		33.9	43.2	19					21.0	35.3
AS32□1F-U02-07	1/4"	1/4	19	13.2	23.0	27.8	39.3	20.3	45.9	40.9	38.1	33.1	17.0	53.9
AS32□1F-U02-09	5/16"			15.2		29.5	41.0						18.5	54.9
AS32□1F-U02-11	3/8"			17.9		31.8	43.3						21.0	56.6
AS32□1F-U03-07	1/4"	3/8	19	13.2	23.0	27.8	39.3	19.4	45.0	40.0	37.6	32.6	17.0	53.9
AS32□1F-U03-09	5/16"			15.2		29.5	41.0						18.5	54.9
AS32□1F-U03-11	3/8"			17.9		31.8	43.3						21.0	56.6
AS42□1F-U04-11	3/8"	1/2	24	17.9	18.6	33.6	47.9	22.4	54.6	47.1	44.5	37.0	21.0	93.6
AS42□1F-U04-13	1/2"			21.4		35.2	49.5						22.0	95.4



Universal Type/Inch Size



Model	Applicable tubing O.D.øD	T Uni thread	H	D1	D2	D3	L1	L2	L3	L4	L5		A*		M	Weight (g)
											Max.	Min.	Max.	Min.		
AS23□1F-U01-01	1/8"	1/8	12	7.8	14.2	9.3	13.4	24.8	18.9	33.2	36.1	31.1	30.5	25.5	14.5	16.9
AS23□1F-U01-03	5/32"			8.9		10.3	14.2	27.0	21.5	35.9					16.5	17.0
AS23□1F-U01-05	3/16"			11.4		11.4	15.2	28.9	22.3	36.3					17.0	18.6
AS23□1F-U01-07	1/4"			13.2		12.9	16.2	30.9	24.7	38.2					18.5	19.4
AS23□1F-U01-09	5/16"			15.2		12.9	16.2	30.9	24.7	38.2					18.5	20.9
AS23□1F-U02-03	5/32"	1/4	17	8.9	18.5	9.3	15.6	29.2	18.9	36.1	39.4	34.4	32.0	26.6	14.5	31.7
AS23□1F-U02-05	3/16"			11.4		10.3	16.4	31.1	21.5	38.8					16.5	33.2
AS23□1F-U02-07	1/4"			13.2		11.4	17.4	33.2	22.3	39.5					17.0	33.9
AS23□1F-U02-09	5/16"			15.2		18.3	35.2	24.4	40.8	40.8					18.5	35.7
AS23□1F-U02-11	3/8"			17.9		12.9	19.6	38.1	26.8	43.2					29.4	39.0
AS33□1F-U02-07	1/4"	1/4	19	13.2	23.0	11.4	19.6	37.7	22.3	44.2	45.9	40.9	38.1	33.1	17.0	55.4
AS33□1F-U02-09	5/16"			15.2		12.9	20.6	39.7	24.4	43.7					18.5	56.9
AS33□1F-U02-11	3/8"			17.9		16.2	22.5	42.9	28.3	48.6					21.0	60.2
AS33□1F-U03-07	1/4"	3/8	19	13.2	23.0	11.4	19.6	37.7	22.3	43.3	45.0	40.0	37.6	32.6	17.0	55.4
AS33□1F-U03-09	5/16"			15.2		12.9	20.6	39.7	24.4	42.8					18.5	56.9
AS33□1F-U03-11	3/8"			17.9		16.2	22.5	42.9	28.3	47.7					21.0	60.2
AS43□1F-U04-11	3/8"	1/2	24	17.9	28.6	16.2	25.3	48.6	28.3	50.7	54.6	47.1	44.5	37.0	21.1	96.4
AS43□1F-U04-13	1/2"			21.7		19.4	26.8	52.5	30.8	53.2					22.0	99.9

* Reference dimensions of Uni thread after installation.

AS

ASP

ASN

AQ

ASV

AK

ASS

ASR

ASF