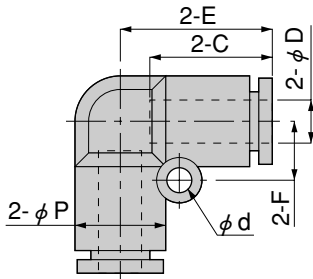


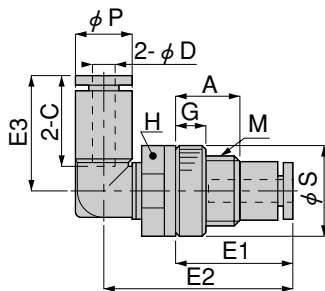
Dimensions (mm)

Union elbow UL



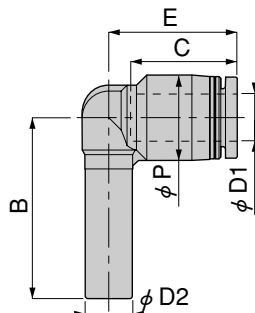
Model	Tube outer diameter ϕD	ϕP	C	E	ϕd	F	Effective area (mm ²)	Mass (g) [oz.]
UL4	4	10	14.9	16.9	3.2	6.5	4.2	5.1 [0.180]
UL6	6	12.5	16.9	20.1	3.2	8	10	7.3 [0.257]
UL8	8	15	18.4	22.4	4.2	10	16.5	11 [0.39]
UL10	10	17.5	20.7	26.2	4.2	12	30	17 [0.60]
UL12	12	21	23.4	29.4	4.2	14	47	25 [0.88]
UL16	16	25	24.1	33.1	4.2	12	91.6	31 [1.09]

Union elbow for bulkhead UKBL



Model	Tube outer diameter ϕD	M	E1	E2	E3	A	ϕP	ϕS	C	Width across flats H	G	Effective area (mm ²)	Mass (g) [oz.]
UKBL4	4	M12X1.5	20.2	32.8	19.7	11	10	16	14.9	14	5	3.4	11 [0.39]
UKBL6	6	M14X1.5	23.8	37.8	22.8	14	12.5	19	17	17	5	9.4	17 [0.60]
UKBL8	8	M16X1.5	25.7	41.7	25.7	15	14.5	22	18.2	19	6	19.3	25 [0.88]
UKBL10	10	M20X2	28	47.7	29.5	17	17.5	27.5	20.7	24	6	28.1	42 [1.48]
UKBL12	12	M24X2	33.2	54.7	32.7	20	21	31	23.4	27	6	37.2	59 [2.08]

Socket elbow ULA



Model	Tube outer diameter $\phi D1$	Applicable fitting diameter $\phi D2$	B	ϕP	C	E	Effective area (mm ²)	Mass (g) [oz.]
ULA4	4	4	25	10	14.9	16.8	3	2.7 [0.095]
ULA6	6	6	28.6	12.5	17	19.8	8	3.9 [0.138]
ULA8	8	8	30.8	14.5	18.2	21.8	17	5.7 [0.201]
ULA10	10	10	33.8	17.5	20.2	25	25.5	9.6 [0.339]
ULA12	12	12	39	21	23.4	28.9	36	15 [0.53]