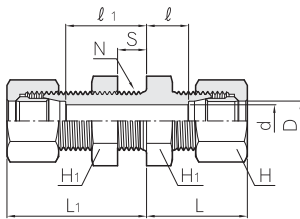


Straight Bulkhead Union

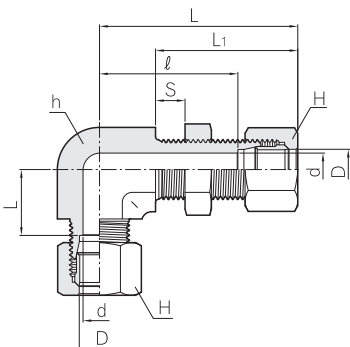
BBU



Designations	Tube O.D.		Width across flat		l_1	l	Approx.			Panel Hole Drill size N	Max. Panel thickness S
	D	d	H ₁	H			L ₁	L	L		
BBU - 04	4	2.5	14	12	19.0	8.0	32.5	21.5	10.5	13	
BBU - 06	6	4.0	17	14	25.0	12.0	42.5	29.5	12.5	13	
BBU - 08	8	6.0	19	17	25.0	12.0	42.5	29.5	14.5	13	
BBU - 10	10	8.0	22	19	25.0	13.0	43.5	31.5	16.5	13	
BBU - 12	12	10.0	24	22	25.0	13.0	43.5	31.5	18.5	13	
BBU - 15	15	12.0	27	27	29.5	14.5	49.5	34.5	22.5	15	
BBU - 16	16	13.0	30	30	29.5	16.5	49.5	36.5	24.5	15	
BBU - 18	18	14.0	32	32	31.0	16.0	51.5	36.5	26.5	15	
BBU - 20	20	17.0	32	36	31.0	16.0	51.5	36.5	28.5	15	
BBU - 22	22	18.0	36	36	30.0	16.0	51.5	37.5	30.5	15	
BBU - 25	25	20.0	41	41	29.0	15.0	52.5	38.5	35.5	15	
BBU - 28	28	22.0	46	46	31.0	18.0	55.0	42.0	38.5	15	
BBU - 30	30	25.0	46	46	31.0	18.0	55.5	42.5	40.5	15	
BBU - 32	32	26.0	50	50	32.0	19.0	57.5	44.5	42.5	15	
BBU - 35	35	28.0	50	55	32.0	19.0	60.5	47.5	45.5	15	
BBU - 38	38	32.0	55	60	33.0	19.0	64.5	50.5	48.5	15	
BBU - 40	40	32.0	60	60	38.0	25.0	69.5	56.5	52.5	15	
BBU - 50	50	40.0	70	75	38.0	31.0	71.5	64.5	64.5	15	
BBU - 81	1/8	10.5	8.0	22	19	25.0	13.0	43.5	31.5	16.5	13
BBU - 82	1/4	13.8	11.0	27	24	29.5	14.5	49.0	34.0	20.5	15
BBU - 83	3/8	17.3	14.0	32	32	31.0	16.0	51.5	36.5	26.5	15
BBU - 84	1/2	21.7	18.0	36	36	30.0	16.0	51.5	37.5	30.5	15
BBU - 85	3/4	27.2	22.0	46	46	31.0	18.0	55.0	42.0	38.5	15
BBU - 86	1	34.0	28.0	50	55	22.0	19.0	60.5	47.5	45.5	15
BBU - 87	1 1/4	42.7	34.0	65	65	38.0	28.0	70.5	60.5	56.5	15
BBU - 88	1 1/2	48.6	40.0	70	75	38.0	31.0	71.5	64.5	64.5	15

Bulkhead Elbow

BBL



Designations	Tube O.D.		Width across flat			l_1	l	Approx.			Panel Hole Drill size N	Max. Panel thickness S
	D	d	h	H ₁	H			L ₁	L ₂	L		
BBL - 06	6	4	17(12)*	17	14	16.0	38.0	42.5	33.5	55.5	12.5	13
BBL - 08	8	6	19(12)*	19	17	17.0	39.0	42.5	34.5	56.5	14.5	13
BBL - 10	10	8	22(14)*	22	19	19.0	41.0	43.5	37.5	59.5	16.5	13
BBL - 12	12	10	24(17)*	24	22	20.0	42.0	43.5	38.5	60.5	18.5	13
BBL - 15	15	12	27(19)*	27	27	23.5	49.5	49.5	43.5	69.5	22.5	15
BBL - 16	16	13	30	30	30	25.5	51.5	49.5	45.5	71.5	24.5	15
BBL - 18	18	14	32(24)*	32	32	25.0	55.0	51.5	45.5	75.5	26.5	15
BBL - 20	20	17	32	32	36	25.0	57.0	51.5	45.5	77.5	28.5	15
BBL - 22	22	18	36	36	36	27.0	56.0	51.5	48.5	77.5	30.5	15
BBL - 25	25	20	41	41	41	29.0	58.0	52.5	52.5	81.5	35.5	15
BBL - 28	28	22	41	46	46	31.0	60.0	55.0	55.0	84.0	38.5	15
BBL - 30	30	25	46	46	46	36.0	64.0	55.5	60.5	88.5	40.5	15

* Note : Later on, Some sizes will be supplied as changed sizes in parenthesis.

All dimensions are in millimeters. Dimensions are for reference only, subject to change.