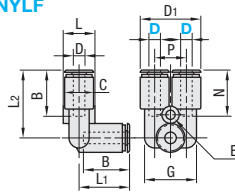


FY Type Elbow Unions



UNYLF



Material: PBT (Polybutylene Terephthalate)

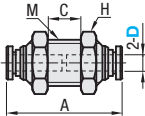
Part Number	L1	L2	B	C	D1	E	L	G	N	P	Mass (g)	Unit Price	Volume Discount Rate
Type	D												
UNYLF	4	17.5	23.5	16	10	21	3.2	11	18	15.5	11	8	
	6	19.5	27	17.5	12.5	26	4.2	13.5	22.5	17	13.5	12	
	8	22	29	19	14.5	30	4.2	15.5	26.5	18	15.5	16	
	10	25.5	33	21.5	17.5	36	4.2	18.5	31.5	20	18.5	25	
	12	28	35.5	23	20	41	4.2	21	37	21.5	21	34	

Bulkhead Unions

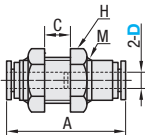


MSBUL

Threads: C3604 (Brass)
: Electroless Nickel Plating



MJBULS Thread: SUS304



Material: Ring: PBT (Polybutylene Terephthalate)

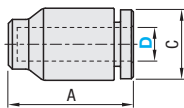
Part Number	Type	D	A	Wrench Flats H	Thread Size MxPitch	C(max)	Effective Sectional Area (mm ²)	Mass (g)	MSBUL		MJBULS	
									Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
									1-9 pc(s)	10-50	1-9 pc(s)	10-50
MSBUL MJBULS	4	30 (33)	14	M12x1	8.6 (7.5)	3.2 (4)	16 (20)					
	6	31.9 (36)	17	M14x1	9.4 (9.5)	11.0 (10)	22(33)					
	8	37 (39)	19	M16x1	10.6 (12.5)	25.2 (22)	31.5 (42)					
	10	40.1 (44.5)	24	M20x1	12.9 (18)	38.7 (30)	54.5 (75)					
	12	45.8 (47)	26	M22x1	15.4 (21)	44.6 (35)	70.5 (92)					

Values in () are for MJBULS.

Caps



MSCAP



Material: PBT (Polybutylene Terephthalate)

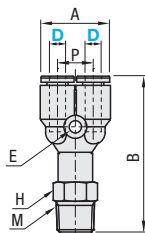
Part Number	Type	D	A	C	Mass (g)	Unit Price	Volume Discount Rate
						1 ~ 9 pc(s)	10-50
MSCAP	4		15.6	9	1.5		
	6		17	11.2	2		
	8		19.8	13.6	3.5		
	10		21	16.3	5		
	12		25.4	19.7	9.5		

Y Type



MSYL

Thread: C3604 (Brass)
: Electroless Nickel Plating



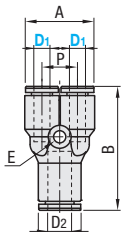
Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	Nominal	A	B	E	Wrench Flats H	P	Thread Size M	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate	
													1-9 pc(s)	10-50
MSYL	4	1	M5	18.3	37.4	3.2	9	9.3	M5x0.8	3.2	8.9			
					40.6		11		R1 / 8	5.3	11.6			
					43.6		14		R1 / 4	20.5				
	6	2	M5	22.6	40.5	3.2	11	11.4	M5x0.8	3.2	12.9			
					43.7		11		R1 / 8	15.2				
					46.7		14		R1 / 4	23.1				
	8	3	M5	27.3	47.7	3.2	17	14.2	R3 / 8	12.6	35.2			
					52.6		13		R1 / 8	23.3				
					55.1		14		R1 / 8	20.7	27.9			
	10	2	M5	33.3	56.1	4.2	17	17	R3 / 4	20.7	36.2			
					58		17		R1 / 4	42.1	35.2			
					65.9		17		R3 / 8	46.9	40.8			
	12	3	M5	39.7	67.9	4.2	19	20	R1 / 4	42.3	53.7			
					70.9		19		R3 / 8	59.5				
							21		R1 / 2	58.7	74.9			

Stepped Diameter Union-Y



USDY



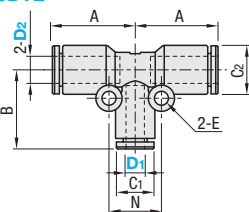
Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D1	A	D2	B	C	E	P	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
											1-9 pc(s)	10-50
USDY	4	18.3	6	32.5	11.2			9.3	7.1	5		
	6	22.6	8	38.1	13.6		3.2	11.4	18.9	8		
	8	27.8	10	43.2	16.3			14.2	32.9	12.5		
	10	33.3	12	50.9	19.7	4.2	17	43.4	20			

Stepped Unions Tees



USDTE



Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D1	D2	A	C1	E	C2	N	B	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate	
													1-9 pc(s)	10-50
USDTE	4	6	19	9			11.2	12	18.1	3.2	6.5			
	6	8	23.6	11.2		3.2	13.6	16	20	10.9	10			
	8	10	25	13.6		4.2	16.3	19	24.1	24.8	14.5			
	10	12	32.2	16.3			19.7	20	25.5	39.5	25			

Ordering Example

Part Number - Nominal
MSYL6 - 1
USDY4

Specifications	MJBULS		MJBULS Other than
	Applicable Fluid	Air	Water
Operating Temperature Range*	-15~60°C	5~40°C	0~60°C
Max. Operating Pressure	1MPa		0.9MPa
Operating Vacuum Level	-100kPa	-	-100kPa

* No Freezing