

One-Touch Couplings

Long Elbows

MSELG Thread: C3604 (Brass)
: Electroless Nickel Plating

RoHS10

Material: Body: PBT (Polybutylene Terephthalate)

Part Number	Type	D	Nominal	A	B	C	Wrench Flats H	Thread Size R	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate	
MSELG	4	1	17.1	17.1	30.3	9	10	R1/8	4.4	14.7	1-9 pc(s)	10-50	
				18.0	31.4	11.2	10	R1/8	8.5	15.5			
	6	1	17.1	17.1	30.3	9	10	R1/8	4.4	14.7	1-9 pc(s)	10-50	
				18.0	31.4	11.2	14	R1/4	8.5	31.8			
	8	1	23.6	37.8	13.6	14	17	R3/8	15.0	35.8	50		
	10	2	25	47.8	16.3	17	17	R1/4	31.5	59.4	82.2		
	12	4	25	50.3	16.3	21	17	R1/2	41.7	94.4	128.2		
		3	32.2	49.2	19.7	17	17	R3/8	42.6	63.8	91.2		

Male Threaded 45° Elbows

MSEFE Thread: C3604 (Brass)
: Electroless Nickel Plating

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	Nominal	A	B	C	Wrench Flats H	Thread Size M	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate	
MSEFE	4	1	17.1	17.1	16.3	9	10	R1/8	4.4	6.5	1-9 pc(s)	10-50	
				18.0	13.7	9	M5x0.8	3.2	5				
	6	1	18.0	16.9	11.2	10	17	R1/8	8.5	7.5	15		
	8	1	23.6	17.5	13.6	14	17	R3/8	15.0	15	23		
	10	1	25	19.6	16.3	17	17	R1/8	22.1	18	22		
	12	2	32.2	24.1	19.7	17	17	R3/8	41.7	27	39.5		
		4	32.2	26.6	21	17	17	R1/2	42.6	44.5	54.5		

L-Connectors

USLCN

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	A	B	C	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
USLCN	4	1	17.1	33.5	9	3.2	1.5		
		6	18.0	42.1	11.2	6.3	3		
		8	23.6	47.8	13.6	20.3	5		
		10	25	53.7	16.3	27.0	7		
12	32.2	60.9	19.7	40.6	13.5				

Turn Elbow Unions

USYELN Thread: C3604 (Brass)
: Electroless Nickel Plating

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	Nominal	L1	B	F	E	L2	C	Wrench Flats H	Thread Size M	Mass (g)	Unit Price	Volume Discount Rate
USYELN	4	1	21.5	14.5	2.5	14	26.5	9	13	R1/8	M5x0.8	15.5	1-9 pc(s)	10-50
				20.5	2.5	10	17.8	8	M5x0.8	8.2				
	6	1	22.5	15.5	3	19	34	11.2	13	R1/8	16.5	16.5		
	8	1	26.7	4	22.4	39.8	13.6	17	R1/8	17.5	50.5	51		
	10	2	28.1	17.8	3	19	34	16.3	17	R1/4	31.5	33		
	12	2	30.6	19.4	4	22.4	39.8	21.2	14	R1/4	64	84.5		
		4	36.5	24.5	4.5	18.4	28.9	19.7	21	R3/8	57	57		

2-Port Swivel Elbows

USTE Thread: C3604 (Brass)
: Electroless Nickel Plating

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	L1	L2	L3	B	C	G	F	P	Wrench Flats H	Thread Size M	Mass (g)	Unit Price	Volume Discount Rate
USTE	4	1	18.8	11.8	17.8	14.5	9	2.5	18.3	9.3	8	M5x0.8	7.4	1-9 pc(s)	10-50
		6	22	14.5	26.5	15.5	11.2	2.5	22.6	13	13	R1/8	18.5		
		8	28.1	18	34	17.8	13.6	3	27.8	17	17	R1/4	35		
		10	27.5	18	34	19.4	16.3	3	33.3	17	17	R1/4	57.5		
12	34.9	22	44.8	22.4	19.7	5	39.7	20	24	R1/2	98				

Union Tees

MSTEL Thread: C3604 (Brass)
: Electroless Nickel Plating

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	Nominal	A	B	C	Wrench Flats H	Thread Size M	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate	
MSTEL	4	1	17.1	16.6	9	9	M5x0.8	3.2	6.2	6.2	1-9 pc(s)	10-50	
				19.8	14	14	R1/8	4.4	9.5				
	6	1	17.1	17.7	11.2	9	M5x0.8	3.2	7.7	11	20.2		
	8	1	23.6	13.6	10	R1/8	15	14.9	23.6	26.3	31		
	10	2	25	16.3	17	R1/4	41.7	41.7	43.7	63.4			
	12	3	32.2	19.7	21	R1/2	42.6	63.4					
		4	32.2	26.6	21	R1/2	42.6	63.4					

Specifications

Applicable Fluid	Air
Operating Temperature Range*	0-60°C
Max. Operating Pressure	0.9MPa
Operating Vacuum Level	-100kPa

* No Freezing

The whole of the threaded part C3604 (brass) is plated with electroless nickel. It is also seal-coated and does not need sealant tape (except for M5).

FY Type Elbow Unions

UNYLF

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	L1	L2	B	C	D1	E	L	G	N	P	Mass (g)	Unit Price	Volume Discount Rate
UNYLF	4	1	17.5	23.5	16	10	21	3.2	11	18	15.5	11	8	1-9 pc(s)	10-50
		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

RoHS10

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)	Unit Price	Volume Discount Rate	MSBUL	MJBULS
MSBUL MJBULS	4	30 (33)	14	M12x1	8.6 (7.5)	3.2 (4)	16 (20)					
		31.9 (36)	17	M14x1	9.4 (9.5)	11.0 (10)	22(33)					
		37 (39)	19	M16x1	10.6 (12.5)	25.2 (22)	31.5 (42)					
		40.1 (44.5)	24	M20x1	12.9 (18)	38.7 (30)	54.5 (75)					
		45.8 (47)	26	M22x1	15.4 (21)	44.6 (35)	70.5 (92)					

Values in () are for MJBULS.

Caps

MSCAP

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D	A	C	Mass (g)	Unit Price	Volume Discount Rate
MSCAP	4	1	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

RoHS10

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
MSYL	4	1	18.3	37.4	9		M5x0.8	3.2	8.9		8.9	1-9 pc(s)	10-50
				40.6	9.3	R1/8	5.3	11.6					
	6	1	22.6	3.2	11	11.4	14	R1/4	12.6	23.1	35.2		
	8	1	27.3	55.1	14	14.2	17	R3/8	20.7	27.9	36.2		
	10	2	33.3	56	17	17	17	R1/4	42.1	35.2	40.8		
	12	3	39.7	65.9	19	19	19	R1/4	42.3	53.7	59.5		
		4	70.9	70.9	21	21	21	R1/2	58.7	74.9			

Stepped Diameter Union-Y

USDY

RoHS10

Material: PBT (Polybutylene Terephthalate)

Part Number	Type	D1	A
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