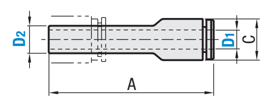
Couplings (One-Touch)

continued

Couplings (One-Touch) – Reducer

USRDS

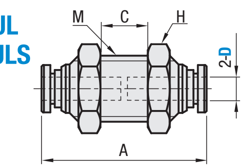


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D1	D2	A	C	Effective Sectional Area (mm²)	Mass (g)
USRDS	4	6	36.1	9	3.2	2
		8	36.9	9		2
	6	8	39.5	11.2	11.0	3
		10	40.3	11.2		3.5
	8	10	45.6	13.6	25.2	4.5
		12	46.6	13.6		5.5
	10	12	46.6	16.3	38.7	6.5

Couplings (One-Touch) – Bulkhead Unions

MSBUL
MJBULS



Material: Ring: PBT (Polybutylene Terephthalate)
Thread: C3604 Brass
Electroless Nickel Plating
Thread: 304 Stainless Steel

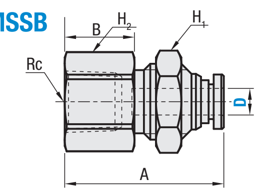
The drawing is for MSBUL. See the CAD data for MJBULS.

Part Number Type	D	A	Wrench Flats H	Thread Size M x Pitch	C (max)	Effective Sectional Area (mm²)	Mass (g)
MSBUL MJBULS	4	30 (33)	14	M12 x 1	8.6 (7.5)	3.2(4)	16 (20)
	6	31.9 (36)	17	M14 x 1	9.4 (9.5)	11.0(10)	22 (33)
	8	37 (39)	19	M16 x 1	10.6 (12.5)	25.2(22)	31.5 (42)
	10	40.1 (44.5)	24	M20 x 1	12.9 (18)	38.7(30)	54.5 (75)
	12	45.8 (47)	26	M22 x 1	15.4 (21)	44.6(35)	70.5 (92)

Values in ( ) are for MJBULS.

Couplings (One-Touch) – Female for Bulkhead

MSSB

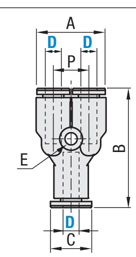


Material: Ring: PBT (Polybutylene Terephthalate)
Thread: C3604 Brass
Electroless Nickel Plating
Thread: 304 Stainless Steel

Part Number Type	D	Nom.	A	B	Wrench Flats H1	Wrench Flats H2	Thread Size M x Pitch	Thread Size Rc	Effective Sectional Area (mm²)	Mass (g)
MSSB	4	1	25.1	11	14	14	M12 x 1.0	Rc1/8	3.2	18
	6	1	26.3	9	17	17	M14 x 1.0	Rc1/8	11.0	26
		2	31.3	14				Rc1/4		30
	8	1	28.9	8	19	19	M16 x 1.0	Rc1/8	25.2	34.5
		2	34.9	14				Rc1/4		42.5
		3	35.9	15				Rc3/8		36
	10	2	32.3	13	24	22	M20 x 1.0	Rc1/4	38.7	58.5
		3	34.3	15				Rc3/8		55
	12	3	37.4	14	26	24	M22 x 1.0	Rc3/8	44.6	71.5
		4	41.4	18				Rc1/2		70.5

Couplings (One-Touch) – Y Type

USYL

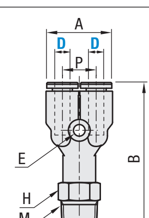


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	B	C	E	P	Effective Sectional Area (mm²)	Mass (g)
USYL	4	18.3	31.2	9	2.2	9.3	2.5	4.9
	6	22.6	34.7	11.2	3.2	11.4	9.9	7.3
	8	27.8	44.2	13.6		14.2	22.8	13.9
	10	33.3	46	16.3	4.2	17	36.6	17.7
	12	39.7	56.8	19.7		20	43.2	32.5

Couplings (One-Touch) – Y Type

MSYL



Material: PBT (Polybutylene Terephthalate)
Thread: C36000 Brass
Electroless Nickel Plating

Part Number Type	D	Nominal	A	B	E	Wrench Flats H	P	Thread Size M	Effective Sectional Area (mm²)	Mass (g)
MSYL	4	M5	18.3	37.4	3.2	9	9.3	M5 x 0.8	3.2	8.9
		1		40.6		10		R1/8	5.3	11.6
		2		43.6		14		R1/4		20.5
	6	M5	22.6	40.5		11	11.4	M5 x 0.8	3.2	12.9
		1		43.7		11		R1/8	12.6	15.2
		2		46.7		14		R1/4		23.1
		3		47.7		17		R3/8		35.2
	8	1	27.3	52.6		13	14.2	R1/8	20.7	23.3
		2		55.1		14		R1/4		27.9
		3		56.1		17		R3/8		36.2
	10	2	33.3	56	4.2	17	17	R1/4	42.1	35.2
		3		58		17		R3/8	46.9	40.8
	12	2	39.7	65.9		19	20	R1/4	42.3	53.7
		3		67.9		19		R3/8		59.5
		4		70.9		21		R1/2	58.7	74.9

Part Number Example

Part Number	-	Nominal	-	Body Color

USRDS4-6

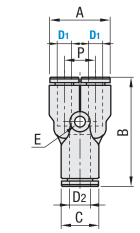
	MJBULS		Other than MJBULS
Applicable Fluid	Compressed Air	Water	Compressed Air
Operating Temperature Range	-15–60°C	5–40°C	0–60°C
Max. Operating Pressure	1 MPa		0.9 MPa
Operating Vacuum Level	-100 kPa	—	-100 kPa

Couplings (One-Touch)

continued

Couplings (One-Touch) – Stepped Diameter Union-Y

USDY

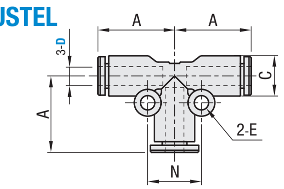


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D1	A	D2	B	C	E	P	Effective Sectional Area (mm²)	Mass (g)
USDY	4	18.3	6	32.5	11.2	3.2	9.3	7.1	5
	6	22.6	8	38.1	13.6		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

Couplings (One-Touch) – Union Tees

USTEL

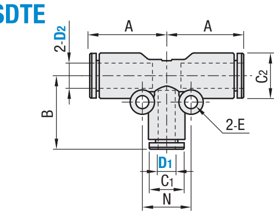


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	C	E	N	Effective Sectional Area (mm²)	Mass (g)
USTEL	4	17.1	9	3.2	12	3.2	5
	6	19	11.2		13	10.9	7.3
	8	23.6	13.6		18	24.8	14.1
	10	25	16.3	4.2	24	39.5	17.7
	12	32.2	19.7		28	44.2	33.5
	16	34	25.6		30	83.5	53.8

Couplings (One-Touch) – Stepped Unions Tees

USDTE

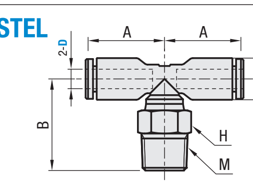


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D1	D2	A	C1	E	C2	N	B	Effective Sectional Area (mm²)	Mass (g)
USDTE	4	6	19	9	3.2	11.2	12	18.1	3.2	6.5
	6	8	23.6	11.2		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

Couplings (One-Touch) – Union Tees

MSTEL

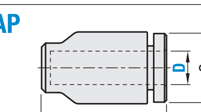


Material: PBT (Polybutylene Terephthalate)
Thread: C3604 Brass
Electroless Nickel Plating

Part Number Type	D	Nominal	A	B	C	Wrench Flats H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)
MSTEL	4	M5	17.1	16.6	9	9	M5 x 0.8	3.2	6.2
		1		19.8		10	R1/8	4.4	9.5
		2		22.8		14	R1/4		18.7
	6	M5	18	17.7	11.2	9	M5 x 0.8	3.2	7.7
		1		20.9		10	R1/8	8.5	11
		2		23.9		14	R1/4		20.2
		3		24.9		17	R3/8		29.5
	8	1	23.6	23.5	13.6	10	R1/8	15	14.9
		2		26		14	R1/4		23.6
	10	1	25	25.8	16.3	17	R1/8	22.1	26.3
		2		28.8			R1/4	31.5	31
		3		28.3			R3/8		33
	12	2	32.2	30.5	19.7	17	R1/4	41.7	41.7
		3		30			R3/8	42.6	43.7
		4		33		21	R1/2		63.4

Couplings (One-Touch) – Cap

MSCAP

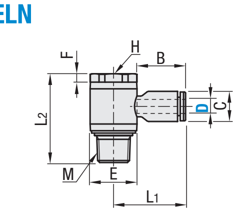


Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	C	Mass (g)
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

Couplings (One-Touch) – Turn Elbow Unions

USYELN



Material: PBT (Polybutylene Terephthalate)
Thread: C3604 Brass
Electroless Nickel Plating

Part Number Type	D	Nominal	L1	B	F	E	L2	C	Width Across Flats H	Thread Size M	Mass (g)
USYELN	4	1	21.5	14.5	2.5	14	26.5	9	13	R1/8	15.5
	6	M5	20.5	15.5	2.5	10	17.8	11.2	8	M5x0.8	8.2
		1	22.5		2.5	14	26.5		13	R1/8	16.5
		2	25		3	19	34		17	R1/4	30.5
		3	26.7		4	22.4	39.8		21	R3/8	50.5
	8	1	25.6	17.8	2.5	14	26.5	13.6	13	R1/8	17.5
		2	28.1		3	19	34		17	R1/4	31.5
		3	29.8		4	22.4	39.8		21	R3/8	51
	10	2	28.9	19.4	3	19	34	16.3	17	R1/4	33
		3	30.6		4	22.4	39.8		21	R3/8	52.5
		4	32.9		5	27	44.8		24	R1/2	84.5
	12	2	36.5	24.5	4.5	18.4	28.9	21.2	14	R1/4	64
		3	35.9	22.4	4	22.4	39.8	19.7	21	R3/8	57

Part Number Example

Part Number

MSTEL6-1

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