
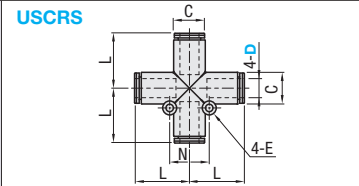

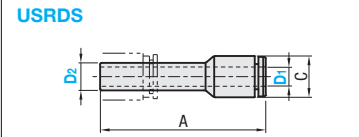

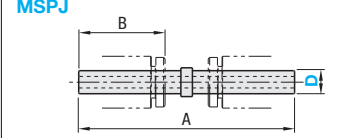

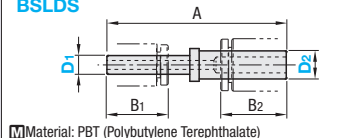

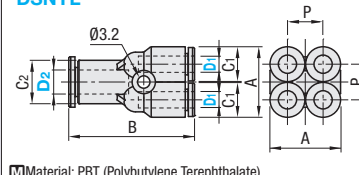

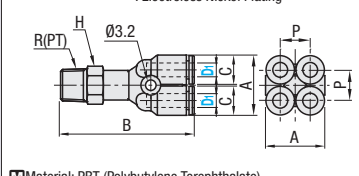

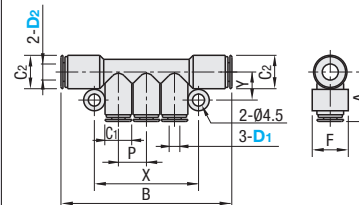

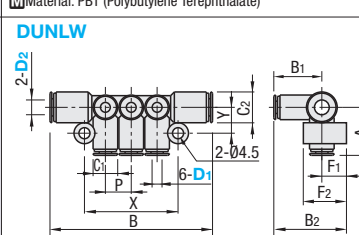


One-Touch Couplings

Compact Air Fittings

Tubes, One-Touch Couplings, Speed Controllers

Cross Unions 	USCRS  Material: PBT (Polybutylene Terephthalate)
Reducers 	USRDS  Material: PBT (Polybutylene Terephthalate)
Nipples 	MSPJ  Material: PBT (Polybutylene Terephthalate)
Unequal DIA. Connection Plugs 	BSLDS  Material: PBT (Polybutylene Terephthalate)
Double Y-Shaped 	DSNYL  Material: PBT (Polybutylene Terephthalate)
R (PT) Double Y-Shaped 	DSLXL Thread: C3604 (Brass) : Electroless Nickel Plating  Material: PBT (Polybutylene Terephthalate)
3x1 	DUNL  Material: PBT (Polybutylene Terephthalate)
3x2 	DUNLW  Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	L	C	E	N	Mass (g)	Unit Price	Volume Discount Rate
USCRS	8	23.6	13.6	3.2	17	14.5	1-9 pc(s).	10-50
	10	25	16.3	4.2	20	20.5		
	12	32.2	19.7	4.2	24	38		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D ₁	D ₂	A	C	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
USRDS	4	6	36.1	9	3.2	2	1-9 pc(s).	10-50
	6	8	36.9	9		2		
	8	10	39.5	11.2	11.0	3		
	10	12	40.3	11.2		3.5		
	12	14	45.6	13.6	25.2	4.5		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D	A	B	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
MSPJ	4	37.5	16	3.2	2	1-9 pc(s).	10-50
	6	39.5	17	12.6	3		
	8	43.2	18.5	19.6	4		
	10	47	21	31.2	6		
	12	52.8	22.5	50.2	8		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D ₁	D ₂	A	B ₁	B ₂	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
BSLDS	4	6	38.3	16	17	3.2	3	1-9 pc(s).	10-50
	6	8	41.2	17	18.5	12.6	3		
	8	10	45	18.5	21	18.8	5		
	10	12	49.8	21	22.5	31.2	8		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D ₁	D ₂	A	B	C ₁	C ₂	P	Unit Price	Volume Discount Rate
DSNYL	4	6	18.2	32.5	9	11.2	9.2	1-9 pc(s).	10-30
	6	8	22.6	36.6	11.2	13.6	11.4		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D ₁	Nominal Dia.	A	B	C	Wrench Flats H	P	Thread	Unit Price	Volume Discount Rate
DSLXL	4	1	18.2	41.5	9	11	9.2	R1/8	1-9 pc(s).	10-30
	6	2	18.2	44.5	9	14	9.2	R1/4		
	8	1	22.6	45	11.2	13	11.4	R1/8		

For orders larger than indicated quantity, please check with WOS.

Ordering Example: **USCRS8**

Specifications:
 Applicable Fluid: Air
 Operating Temperature Range: 0-60°C
 Max. Operating Pressure: 0.9MPa
 Operating Vacuum Level: -100kPa
 * No Freezing

Part Number Type	D ₁	D ₂	A	B	C ₁	C ₂	P	F	X	Y	Unit Price	Volume Discount Rate
DUNL	4	6	18.5	64	10	12.5	10.5	13.5	39	10.5	1-9 pc(s).	10-30
	6	8	19.5	66	10	14.5	10.5	15.5	39	11.5		
	8	10	21	73	12.5	14.5	13	15.5	46.5	13		
	10	12	22	78.5	12.5	17.5	13	18.5	46.5	13		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	D ₁	D ₂	A	B	B ₁	B ₂	C ₁	C ₂	P	F ₁	F ₂	X	Y	Unit Price	Volume Discount Rate
DUNLW	4	8	19.5	66	19.5	29.5	10	14.5	10.5	10	17.5	38	10.5	1-9 pc(s).	10-30
	6	10	22	78.5	22	32	12.5	17.5	13	10	19.5	45	12		
	8	12	24.5	87	24.5	36	14.5	20	15	11.5	22	51	13		

For orders larger than indicated quantity, please check with WOS.

Ordering Example: **DUNLW4 - 8**

Specifications:
 Applicable Fluid: Air
 Operating Temperature Range: -15-60°C
 Max. Operating Pressure: 1MPa
 Operating Vacuum Level: -100kPa
 * No Freezing

Part Number Type	Length (m)	Tube Color	I.D. (mm)	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Max. Operating Pressure (MPa)	Mass (kg / m)	Unit Price	Volume Discount Rate
MPUT	1.8	B (Black) C (Transparent) W (White)	5	4	±0.1	0.8	0.0017	1-4 pc(s).	5-10
			10						

Ordering Example: **MPUT1.8 - 10 - B**

Material: Polyurethane

Part Number Type	D	Nominal	A	Wrench Flats H	Thread Size MxPitch	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
JCNL	1.8	M3	10.7	5.5	M3x0.5	0.92	3.9	1-4 pc(s).	5-10
		M5	10.4	7	M5x0.8	0.92	4.6		
		1	14.4	10	R1/8	0.97	5.9		

Material: Polypropylene

Part Number Type	D	Nominal	A	B	C	Wrench Flats H	Thread Size MxPitch	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
JELL	1.8	M3	8.5	11	6	5.5	M3x0.5	0.83	4.0	1-4 pc(s).	5-10
		M5	8.5	11.5	6	7	M5x0.8	0.83	4.8		
		1	8.5	15	6	10	R1/8	0.7	8.6		

Material: Polypropylene

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
JBUL	1.8	17	10	M8x1	4	0.85	5.3	1-4 pc(s).	5-10

Material: Polypropylene

Part Number Type	D	A	C	E	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
JTEL	1.8	8.7	7.3	3.2	0.9	3.9	1-4 pc(s).	5-10

Material: Polypropylene

Part Number Type	D ₁	D ₂	A	C	L	Effective Sectional Area (mm ²)	Mass (g)	Unit Price	Volume Discount Rate
JRDS	1.8	4	25.6	6	9.6	0.97	0.5	1-4 pc(s).	5-10

Material: Polypropylene

Specifications:
 One-Touch Couplings
 Applicable Fluid: Air
 Operating Temperature Range: -10-60°C
 Operating Pressure Range: -100kPa-0.8MPa
 * No Freezing

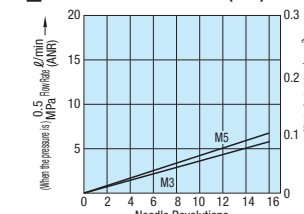
Part Number Type	D	Nominal	A	B	C ₁	C ₂	E	Wrench Flats H	Thread Size MxPitch	Mass (g)	Unit Price	Volume Discount Rate
JNL	1.8	M3	15.3	11.4	25.1	27.6	7.5	7	M3x0.5	6.1	1-4 pc(s).	5-10
		M5	15.5	12.4	27.2	30.2	7.5	8	M5x0.8	9.4		

Material: PBT (Polybutylene Terephthalate)

Ordering Example: **JCNL1.8 - M5**

Specifications:
 Flow Rate Controllers
 Applicable Fluid: Air
 Operating Temperature Range: 5-60°C (No Freezing)
 Max. Operating Pressure: 1.0 MPa
 Min. Operating Pressure: 0.05 MPa

Flow Rate Characteristics (JNL)



The graph plots flow rate (l/min) against Needle Revolutions for M3 and M5 fittings. The flow rate increases linearly with needle revolutions. M5 fittings generally provide a higher flow rate than M3 fittings for the same number of revolutions.