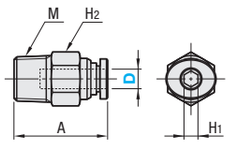
One-Touch Couplings

■Male Connectors - Outlined with Hex

MSCNL Thread: C3604 (Brass) : Electroless Nickel Plating
MJCNLS Thread: SUS304

MSCNL

MJCNLS



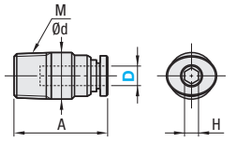
M Material: Ring: PBT (Polybutylene Terephthalate)
The drawing is for MSCNL. See the CAD data for MJCNLS.

Part Number Type	D	Nominal	A	Hex Socket H1	Wrench Flats H2	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	MSCNL Unit Price 1 ~ 9 pc(s).	MSCNL Volume Discount Rate 10~50	MJCNLS Unit Price 1 ~ 9 pc(s).	MJCNLS Volume Discount Rate 10~50
MSCNL MJCNLS	4	M5	20.1(21.5)	2	8(10)	M5x0.8	3.2(4)	4.5(6)				
		1	20.1(20.5)	3	10	R1 / 8		8.6(8)				
		2	20.1(19.5)	3	14	R1 / 4		17.3(15)				
	6	M5	21.8(23)	2	11(12)	M5x0.8	3.2(4.4)	8.3(9)				
		1	22.6(23)	4		R1 / 8	11.5(10.3)	9.2(11)				
		2	22.8(23.5)	4	14	R1 / 4		18.2(18)				
		3	22.8(21.5)	4	17	R3 / 8		28.4(26)				
	8	1	27.7(28)	5	13(14)	R1 / 8	18.7(17.5)	13.7(18)				
		2	25.7(27)	6	14	R1 / 4	26.9(22.4)	17.1(17)				
		3	23.7(22.5)	6	17	R3 / 8		27.3(24)				
	10	1	29.4(31)	5		R1 / 8	18.5(17.5)	22.2(26)				
		2	32.4(32.5)	6		R1 / 4	26.9(30.5)	27.6(22)				
		3	28.4(28.5)	8		R3 / 8	38.9(30.5)	29.3(26)				
		4	27.3(26.5)	8	21(22)	R1 / 2		48.5(49)				
	12	2	35.4(35.5)	6	19	R1 / 4	26.9(30.5)	34.2(37)				
		3	31.8(30.5)	8		R3 / 8	47.9(40)	33.5(32)				
		4	33.8(29.5)	8	21(22)	R1 / 2		54.8(51)				
	16	3	39.7(42)	8	24	R3 / 8	48.8(90)	58.7(60)			-	-
		4	42.2(37.5)	10		R1 / 2		58.2(66)			-	-

Value in ( ) are for MJCNLS. There is no hex portion (H1) in the inner circumference.

■Male Connectors - Outlined with Circle

MSCNC Thread: C3604 (Brass) : Electroless Nickel Plating

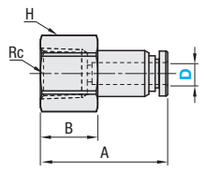


M Material: Ring: PBT (Polybutylene Terephthalate)

Part Number Type	D	Nominal	A	Hex Socket H	Od	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
MSCNC	4	M5	20.1	2	8.2	M5x0.8	3.2	4.2		
		1	20.1	3	10	R1 / 8		8		
	6	M5	21.8	2	11	M5x0.8		7.2		
		1	22	4	11	R1 / 8	11.5	8.6		
		2	22.8	4	13.5	R1 / 4		16.8		
	8	1	27.7	5	13	R1 / 8	18.7	13.1		
		2	25.7	6	13.5	R1 / 4	26.9	15.5		
		3	23.7	6	17	R3 / 8		25.9		
	10	1	29.4	5	15.5	R1 / 8	18.5	18		
		2	32.4	6	15.5	R1 / 4	26.9	23.3		
		3	28.4	8	17	R3 / 8	38.9	25.7		
		4	27.3	8	21	R1 / 2		46.7		
	12	2	35.4	6	18.8	R1 / 4	26.9	29.7		
		3	31.8	8	18.8	R3 / 8	47.9	30.2		
		4	33.8	8	21	R1 / 2		50.6		

■Female Connectors

MSCNF Thread: C3604 (Brass) : Electroless Nickel Plating

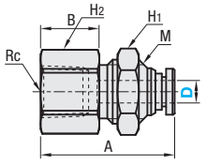


M Material: Ring: PBT (Polybutylene Terephthalate)

Part Number Type	D	Nominal	A	B	Wrench Flats H	Thread Size Rc	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
MSCNF	4	1	24.4	11	13	Rc1 / 8	3.2	13.5		
		2	27.4	14	17	Rc1 / 4		24.9		
	6	1	25.4	11	13	Rc1 / 8	11.0	14.8		
		2	28.4	14	17	Rc1 / 4		26.1		
		3	29.4	15	19	Rc3 / 8		27.6		
	8	1	27.7	10	13	Rc1 / 8	25.2	16.4		
		2	30.7	14	17	Rc1 / 4		27.7		
		3	31.7	15	19	Rc3 / 8		29.2		
	10	2	32.4	13	17	Rc1 / 4	38.7	30.3		
		3	33.4	15	19	Rc3 / 8		32.5		
		4	36.4	18	24	Rc1 / 2		53.6		
	12	2	35.4	12	19	Rc1 / 4	44.6	45.3		
		3	36.4	15	19	Rc3 / 8		39.4		
		4	39.4	18	24	Rc1 / 2		60.6		

■Female Threaded Bulkhead Unions

MSSB Thread: C3604 (Brass) : Electroless Nickel Plating



M Material: Ring: PBT (Polybutylene Terephthalate)

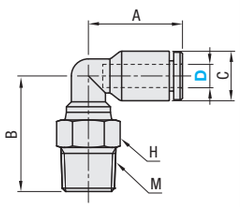
Part Number Type	D	Nominal	A	B	Wrench Flats H1	Wrench Flats H2	Thread Size MxPitch	Thread Size Rc	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
MSSB	4	1	25.1	11	14	14	M12x1.0	Rc1 / 8	3.2	18		
	6	1	26.3	9	17	17	M14x1.0	Rc1 / 8	11	26		
		2	31.3	14				Rc1 / 4		30		
	8	1	28.9	8	19	19	M16x1.0	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	M20x1.0	Rc1 / 4	38.7	58.5		
		3	34.3	15				Rc3 / 8		55		
	12	3	37.4	14	26	24	M22x1.0	Rc3 / 8	44.6	71.5		
		4	41.4	18				Rc1 / 2		70.5		

■Male Elbows

MSELL Thread: C3604 (Brass) : Electroless Nickel Plating
MJELLS Thread: SUS304

MSELL

MJELLS



M Material: Body: PBT (Polybutylene Terephthalate)
The drawing is for MSELL. See the CAD data for MJELLS.

Part Number Type	D	Nominal	Body Color	A	B	C	Wrench Flats H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	MSELL Unit Price 1 ~ 9 pc(s).	MSELL Volume Discount Rate 10~50	MJELLS Unit Price 1 ~ 9 pc(s).	MJELLS Volume Discount Rate 10~50
MSELL MJELLS	4	M5	B (Black) W (White)	17.1(18)	14.6(15)	9(10)	9(8)	M5x0.8	3.2	4.6(5)				
		1		17.1(18.5)	17.8(20.5)		10	R1 / 8	4.4(3.5)	7.9(8)				
		2		17.1(18.5)	20.8(24)		14	R1 / 4		17(15)				
	6	M5		18(20)	15.7(15)	11.2(12.5)	9(10)	M5x0.8	3.2(4.2)	5.4(7)				
		1		18(21)	18.9(24)		10(12)	R1 / 8	8.5(8)	8.7(13)				
		2		18(21)	21.9(28)		14	R1 / 4		17.8(18)				
		3		18(21)	22.9(30)		17	R3 / 8		27.2(26)				
	8	1		23.6	20.3(25.5)	13.6(14.5)	10(14)	R1 / 8	15(18)	10.4(17)				
		2		23.6	22.8(28.5)		14	R1 / 4		19.1(20)				
		3		23.6	23.8(30)		17	R3 / 8		28.4(28)				
	10	1		25(27)	23.6(28)	16.3(17.5)	17	R1 / 8	22.1(24.3)	20.8(26)				
		2		25(27)	26.6(31)		17	R1 / 4	31.5(27)	25.5(28)				
		3		25(27)	26.1(32.5)		17	R3 / 8		27.5(33)				
		4		25(27)	29.1(35.5)		21(22)	R1 / 2		47.2(49)				
	12	2		32.2(29.5)	28.3(33)	19.7	17(19)	R1 / 4	41.7(33)	31.1(37)				
		3		32.2(29.5)	28(34.5)		17(19)	R3 / 8	42.6(35)	33.1(43)				
		4		32.2(29.5)	31(39.5)		21(22)	R1 / 2		52.8(56)				
	16	3		34(35.5)	36(41)	25.6(26.5)	20(22)	R3 / 8	77.8(80)	52.9(63)			-	-
		4		34(35.5)	38.5(44)		21(22)	R1 / 2		67.2(76)			-	-

Values in ( ) are for MJELLS. Body color of MSELL is black.
Body color selecyopm is available only for MJELLS.

Ordering Example

Part Number	-	Nominal	-	Body Color
MSCNL6	-	1		
MJELLS8	-	1	-	B

Specifications

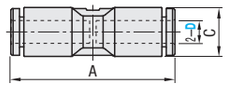
	MJCNLS MJELLS		MJCNLS Other than MJELLS
Applicable Fluid	Compressed Air	Water	Compressed Air
Operating Temperature Range*	-15~60°C	5~40°C	0~60°C
Max. Operating Pressure	1MPa		0.9MPa
Operating Vacuum Level	-100kPa	-	-100kPa

* No Freezing

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

■Union Straight

USSTL

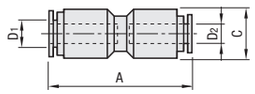


M Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	C	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
USSTL	4	30.2	9	3.2	3.1		
	6	32	11.2	11.0	4.8		
	8	40.2	13.6	25.2	8.8		
	10	40	16.3	38.7	10.6		
	12	54.8	19.7	44.6	20.9		
	16	52	25.6	85.0	32.8		

■Stepped Diameter Union Straight

UJDST

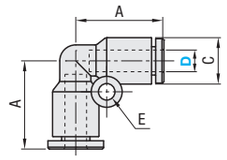


M Material: PBT (Polybutylene Terephthalate)

Part Number Type	No.	Body Color	D1	D2	A	C	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
UJDST	4	B (Black) W (White)	4	6	36.5	12.5	3.5	6		
	4-8		4	8	39.5	14.5	4	8		
	6		6	8	39.5	14.5	10	8		
	6-10		6	10	45	17.5	10	12		
	8		8	10	45	17.5	22	12		
	10		10	12	47.5	20	30	17		

■Union Elbows

USEBL

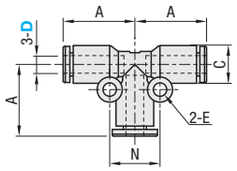


M Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	C	E	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
USEBL	4	17.1	9	3.2	3.2	3.2		
	6	19.0	11.2	3.2	9.3	4.9		
	8	23.6	13.6	3.2	20.3	9.4		
	10	25	16.3	4.2	27.0	11.8		
	12	32.2	19.7	4.2	40.6	22.5		
	16	34	25.6	4.2	78.7	36.5		

■Union Tees

USTEL

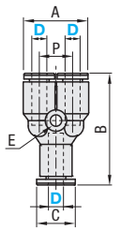


M Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	C	E	N	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
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		

■Y Type

USYL



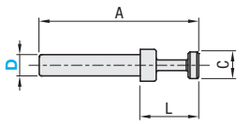
M Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	B	C	E	P	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
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		

■Blind Plugs

BSLG

RoHS10



M Material: PBT (Polybutylene Terephthalate)

Part Number Type	D	A	L	C	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
BSLG	4	30	11	6	0.5		
	6	34	14	8	1		
	8	38	16	10	2		
	10	41	16	12	3		
	12	43	16	14	4		

Ordering Example

Part Number	-	Body Color
UJDST6	-	W
USYL10		

Specifications

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

* No Freezing