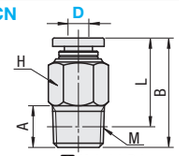
One-Touch Couplings for Clean Applications

■Connectors

RoHS10

PPCN



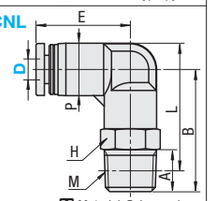
M Material: Polypropylene

Part Number Type	D	Nominal	A	B	L	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCN	4	1	8	21.1	17.1	12	R1 / 8	3.4	2.5		
	6	1	8	22.8	18.8	14	R1 / 8	9.1	3		
		2	11	24.8			R1 / 4		3.5		
	8	1	8	27.9	23.9	17	R1 / 8	22.1	4.5		
		2	11	26.6	20.6		R1 / 4				
		3	12	27.5	21.2		R3 / 8		6		
	10	2	11	32.6	26.6	19	R1 / 4	30.5	7		
		3	12	33.6	27.3		R3 / 8		8		
	12	3	12	37.6	31.3	22	R3 / 8	40.7	12		

■Elbows

RoHS10

PPCNL



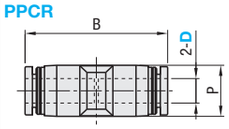
M Material: Polypropylene

Part Number Type	D	Nominal	A	B	L	P	E	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCNL	4	1	8	23.3	24.3	10	18.1	10	R1 / 8	3.4	4		
	6	1	8	25	27.3	12.5	19.9	12	R1 / 8	8.7	5		
		2	11	28	28.2			14	R1 / 4		5.5		
	8	1	8	28	31.3	14.5	22.7	14	R1 / 8	17.2	7		
		2	11	31	32.2				R1 / 4		7.5		
		3	12	32.8	33.7			17	R3 / 8		8.5		
	10	2	11	36	38.7	17.5	26.4	17	R1 / 4	25.9	12		
		3	12	37	39.4				R3 / 8		13		
	12	3	12	39	43.2	21	29.6	22	R3 / 8	37.6	18		

■Union Straight

RoHS10

PPCR



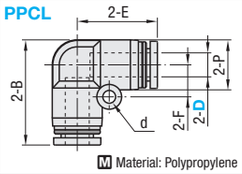
M Material: Polypropylene

Part Number Type	D	B	P	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCR	4	31	10	4	5.3		
	6	35.2	12.5	5.5	12.5		
	8	37.8	14.5	8	20		
	10	43.8	17.5	13	35		
	12	48.2	21	19	59		

■Union Elbows

RoHS10

PPCL



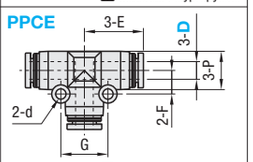
M Material: Polypropylene

Part Number Type	D	B	P	E	d	F	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCL	4	22	10	17	3.2	6.5	4.5	4.2		
	6	26.5	12.5	20.2	3.2	8	6	10		
	8	30	15	22.4	4.2	10	9	16.5		
	10	35.2	17.5	26.4	4.2	12	14	30		
	12	40.1	21	29.6	4.2	14	20	47		

■Union Tees

RoHS10

PPCE



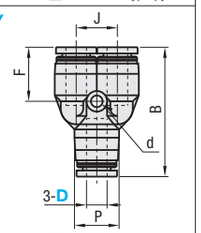
M Material: Polypropylene

Part Number Type	D	P	E	d	F	G	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCE	4	10	17	3.2	6.5	13	6.5	5.3		
	6	13	20.2	3.5	8	16	9	12.5		
	8	15	22.2	3.5	9	18	13	20		
	10	17.5	25.4	4.2	12	24	21	35		
	12	21	28.6	4.2	14	28	30	59		

■Union Y

RoHS10

PPCY



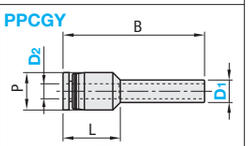
M Material: Polypropylene

Part Number Type	D	B	P	J	d	F	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCY	4	33	10	11	3.4	14.2	6.5	4.2		
	6	38	13	12	3.4	15.9	9	10		
	8	42.4	15	14	3.4	17.2	13	16.5		
	10	48.8	18	18	4.5	19.7	22	27		
	12	55.2	21.5	20	4.2	22.4	31	38		

■Reducers

RoHS10

PPCGY



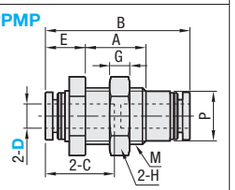
M Material: Polypropylene

Part Number Type	D1	D2	B	L	P	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPCGY	6	4	37.8	15.3	10	3.5	5.3		
	8	4	40.3	16.8	12.5	4	5.3		
		6	40.9	17.4		4.5	9		
	10	6	43.9	18.9	12.5	5.5	9		
		8	43.7	18.7	14.5	6.5	20		
	12	8	49.7	20.7	14.5	8.5	20		
		10	50.2	21.2	17.5	10	35		

■Panel Mount

RoHS10

PPMP



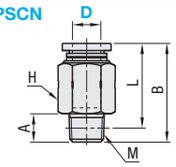
M Material: Body: Polypropylene
Metal Part: EN 1.4301 Equiv.

Part Number Type	D	B	E	A	P	C	H	G	Thread Size M	Mass (g)	Effective Sectional Area (mm²)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPMP	4	31.6	9.3	12	10	15	14	5	M12x1.5	7.2	4.2		
	6	35.8	9.9	15	12.3	17.1	17	5	M14x1.5	10.2	10.7		
	8	38.4	10.7	15.5	14.2	18.4	19	6	M16x1.5	14.3	19.1		
	10	43.4	13.2	18.5	17.5	20.9	24	6	M20x1.5	24.4	39.6		
	12	38.8	13.4	20.5	21	23.6	27	6	M24x1.5	30.4	47.6		

■Straight

RoHS10

PPSCN



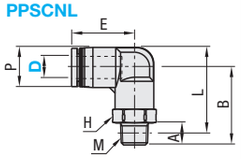
M Material: Body: Polypropylene
Thread: EN 1.4301 Equiv.

Part Number Type	D	Nominal	A	B	L	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPSCN	4	1	8	21.1	17.1	10	R1 / 8	5.3	8		
	6	1	8	22.7	18.7	12	R1 / 8	12.5	8.5		
		2	11	24.7		14	R1 / 4		16		
	8	1	8	27.9	23.9	14	R1 / 8	20	14.5		
		2	11	26.6	20.6		R1 / 4				
		3	12	23.9	17.6	17	R3 / 8		21.5		
	10	2	11	30	24	17	R1 / 4	35	18.5		
		3	12	29.5	23.2		R3 / 8		24		
	12	3	12	32.1	25.8	21	R3 / 8	59	32.5		

■Elbows

RoHS10

PPSCNL



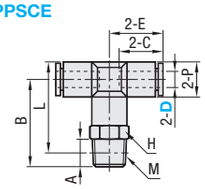
M Material: Body: Polypropylene
Thread: EN 1.4301 Equiv.

Part Number Type	D	Nominal	A	B	L	P	E	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPSCNL	4	1	8	23.3	24.3	10	18.1	10	R1 / 8	4.2	10		
	6	1	8	25	27.3	12.5	19.9	12	R1 / 8	10	12.5		
		2	11	28	28.2			14	R1 / 4		20		
	8	1	8	28	31.3	14.5	22.7	14	R1 / 8	16.5	16		
		2	11	31	32.2				R1 / 4		21.5		
		3	12	32.8	33.7			17	R3 / 8		35		
	10	2	11	36	38.7	17.5	26.4	17	R1 / 4	30	30.5		
		3	12	37	39.4				R3 / 8		38		
	12	3	12	39	43.2	21	29.6	21	R3 / 8	47	45.5		

■Tees

RoHS10

PPSCE



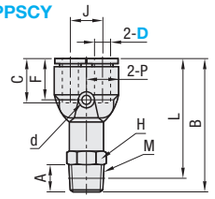
M Material: Body: Polypropylene
Thread: EN 1.4301 Equiv.

Part Number Type	D	Nominal	A	B	L	P	C	E	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPSCE	4	1	8	23.3	24.3	10	15	17	10	R1 / 8	4.1	12		
	6	1	8	26	28.5	13	17.1	20.3	12	R1 / 8	10	15.5		
		2	11	29	29.5				14	R1 / 4		23		
	8	1	8	26.3	29.8	15	18.4	22.4	14	R1 / 8	16.5	19.5		
		2	11	29.3	30.8					R1 / 4		25		
		3	12	31.1	32.3				17	R3 / 8		37.5		
	10	2	11	36	38.7	17.5	20.4	25.4	17	R1 / 4	30	36.5		
		3	12	37	39.4					R3 / 8		44		
	12	3	12	39	43.2	21	23.1	28.6	21	R3 / 8	47	54.5		

■Branch Y

RoHS10

PPSCY



M Material: Body: Polypropylene
Thread: EN 1.4301 Equiv.

Part Number Type	D	Nominal	A	B	L	P	C	J	d	F	Width Across H	Thread Size M	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
PPSCY	4	1	3	40.7	36.7	10	15	11	3.4	14.2	10	R1 / 8	4.2	12.5		
	6	1	8	44.5	40.5	12.5	17.1	12	3.2	15.9	12	R1 / 8	10	15.5		
		2	11	47.5	41.5						14	R1 / 4		23		
	8	1	8	48.7	44.7	14.5	18.1	14	3.2	17.2	14	R1 / 8	16.5	20.5		
		2	11	51.7	45.7							R1 / 4		25.5		
		3	12	53.5	47.2						17	R3 / 8		24.5		
	10	2	11	58.5	52.5	18	20.9	18	4.5	19.7	17	R1 / 4	30	38		
		3	12	59.5	53.2							R3 / 8		45.5		
	12	3	12	64.7	58.4	21	23.6	20	4.2	22.4	22	R3 / 8	37	56.5		

Ordering Example

Part Number	-	Nominal
PPSCN4	-	1
PPSCY6	-	1

Specifications

Applicable Fluid	Air, Water, Chemicals
Operating Temperature Range*	0~80°C
Max. Operating Pressure	0.9MPa(20°C)
Operating Vacuum Level	-100kPa

* No Freezing

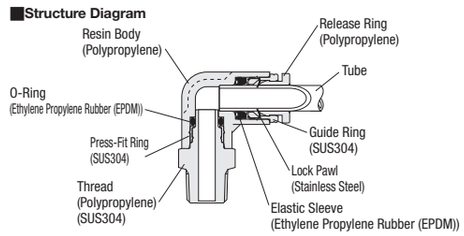
■Features

- Clean environment compatible polypropylene (PP) is used for the main body.
- Plastic body is semitransparent so that fluid is recognizable from the outside.

■Precautions for Use

- For water or fluid, inserts for Soft Tubes (**P.1390** PUIT / PUSIT) must be used. Keep the surge pressure to below max. pressure rating.
- If threaded portion is made of PP, tighten coupling by screwing hand tight, then giving 2 or 3 turns with a wrench. Over tightening may damage threads. Insufficient tightening may cause loosening or leaking.
- Due to creep deformation, screws may become loose and minute leakages may occur. Periodical tightening maintenance is recommended. If retightening does not work, then replace the coupling in use.
- When possibilities of machine and equipment damages exist due to fluid medium leakages, consider providing protective measures such as covers prior to use.
- No oil permitted.

■Structure Diagram



<Recommended Tightening Torque>
Thread Body: Polypropylene
R1/8:0.5N-m R1/4:0.7N-m R3/8:1.0N-m
Thread: EN 1.4301 Equiv.
R1/8:7~9N-m R1/4:12~14N-m R3/8:22~24N-m
(The values are for seal tape 2 rotations. Retighten by up to 2 additional rotations if required.)