


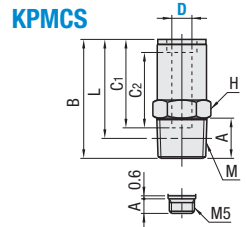
Couplings (One-Touch)

Heat-Resistant

Heat-Resistant One-Touch Couplings – Straight




KPMCS



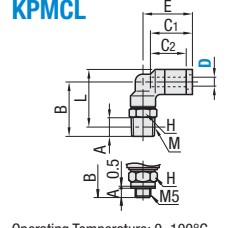
Operating Temperature: 0–100°C
Material: Gasket: Nitrile Rubber

RoHS 10

Heat-Resistant One-Touch Couplings – Elbow




KPMCL



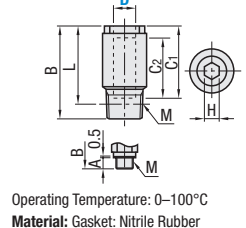
Operating Temperature: 0–100°C
Material: Gasket: Nitrile Rubber

RoHS 10

Heat-Resistant One-Touch Couplings – Hexagon Socket Straight




KPMCC



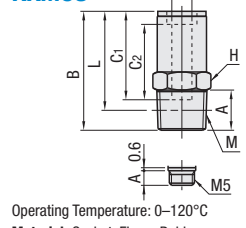
Operating Temperature: 0–100°C
Material: Gasket: Nitrile Rubber

RoHS 10

High Heat-Resistant One-Touch Fittings – Straight




KKMCS



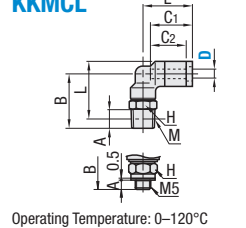
Operating Temperature: 0–120°C
Material: Gasket: Fluoro Rubber

RoHS 10

High Heat-Resistant One-Touch Fittings – Elbow



KKMCL



Operating Temperature: 0–120°C
Material: Gasket: Fluoro Rubber

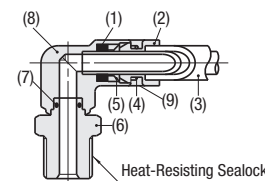
RoHS 10

Part Number Example
Part Number: **KPMCS6** - Nominal: **1**

Type	Heat Resistant	Super Heat-Resistant
Applicable Fluid	Air / Water	
Operating Temp. Range	0–100°C	0–120°C
Max. Operating Pressure	1.0 MPa	
Operating Vacuum Level		-100 kPa

*When using with water, keep the surge pressure to below max. pressure rating. For water, inserts for Soft Tubes (P.3477 PUIT / PUSIT) must be used.

Structure Diagram of Heat-Resistant One-Touch Couplings




No.	Name of Parts	Material
(1)	Elastic Sleeve	H-NBR Nitrile Rubber / FKM
(2)	Release Ring	Brass / Electroless Nickel Plating
(3)	Tube	Sputtering Resistant Tubes
(4)	Guide Ring	Brass / Electroless Nickel Plating
(5)	Lock Pawl	Stainless Steel
(6)	Thread Body	Brass / Electroless Nickel Plating
(7)	O-Ring	H-NBR Nitrile Rubber / FKM
(8)	Metal Body	Brass / Electroless Nickel Plating
(9)	Cover	Brass / Electroless Nickel Plating

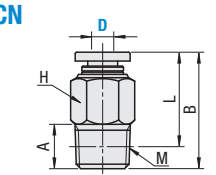
*When using Sputter Proof Tubes, peel back outer insulation to C₂ dimension. Non-insulated tubes can be used also.

Couplings for Clean Applications

Couplings (for Clean Applications) – Connector




PPCN



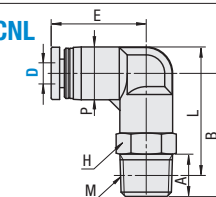
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Elbow




PPCNL



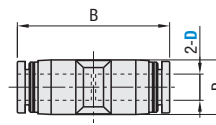
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Union Straight




PPCCR



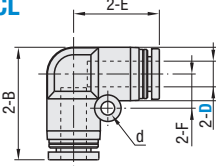
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Union Elbow




PPCL



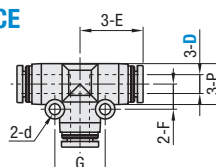
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Union Tee




PPCE



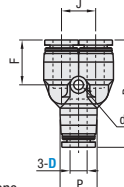
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Union Y




PPCY



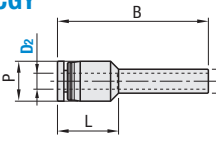
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Reducer




PPCGY



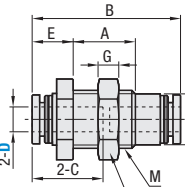
Material: Polypropylene

RoHS 10

Couplings (for Clean Applications) – Panel Mount



PPMP



Material: Body: Polypropylene
Metal Part: 304 Stainless Steel

RoHS 10

Part Number Type	D	Nom.	A	B	L	Wrench H	Thread Size M	Effective Sectional Area (mm ²)	Mass (g)
PPCN	4	1	8	21	17	12	R1/8	3.4	2.5
		2	8	22.7	18.7	14	R1/4	9.1	3.5
	6	1	11	24.7	23.9	17	R1/8	22.1	4.5
		2	8	27.9	20.6	17	R1/4	6	7
		3	12	27.5	21.2	19	R3/8	30.5	8
	8	1	11	32.4	26.4	22	R1/4	40.7	11.5
		2	12	33.6	27.3	22	R3/8		
	10	1	11	32.4	26.4	22	R3/8		
		2	12	33.6	27.3	22	R3/8		
	12	1	12	37.4	31.1	22	R3/8		
		2	12	37.4	31.1	22	R3/8		

Part Number Type	D	Nom.	A	B	L	P	E	Wrench H	Thread Size M	Effective Sectional Area (mm ²)	Mass (g)
PPCNL	4	1	8	23.3	24.3	10	18	10	R1/8	3.4	4
		2	8	25	27.3	12.5	19.8	14	R1/4	8.7	5.5
	6	1	11	28	28.2	14.5	22.7	14	R1/8	17.2	7
		2	8	28	31.3	17	17	R3/8	8.5	7.5	
		3	12	32.8	33.7	17	17	R3/8	25.9	12	
	8	1	11	31	32.2	17.5	26.2	17	R1/4	13	13
		2	11	36	38.7	17.5	26.2	17	R3/8	37.6	17.5
	10	1	12	37	39.4	21	29.4	22	R3/8		
		2	12	39	43.2	21	29.4	22	R3/8		
	12	1	12	39	43.2	21	29.4	22	R3/8		
		2	12	39	43.2	21	29.4	22	R3/8		

Part Number Type	D	B	P	Mass (g)	Effective Sectional Area (mm ²)
PPCCR	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	

Part Number Type	D	B	P	E	d	F	Mass (g)	Effective Sectional Area (mm ²)
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

Part Number Type	D	P	E	d	F	G	Mass (g)	Effective Sectional Area (mm ²)
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

Part Number Type	D	B	P	J	d	F	Mass (g)	Effective Sectional Area (mm ²)
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

Part Number Type	D ₁	D ₂	B	L	P	Mass (g)	Effective Sectional Area (mm ²)
PPCGY	6	4	37.8	15.3	10	3.5	5.3
		4	40.3	16.8	12.5	4	5.3
	8	6	40.9	17.4	12.5	4.5	9
		6	43.9	18.9	12.5	5.5	9
	10	8	43.7	18.7	14.5	6.5	20
		8	49.7	20.7	14.5	8.5	20
	12	8	50.2	21.2	17.5	10	35
		10	50.2	21.2	17.5	10	35

Part Number Type	D	B	E	A	P	C	H	G	Thread Size M	Mass (g)	Effective Sectional Area (mm ²)
PPMP	4	31.6	9.3	12	10	15	14	5	M12 x 1.5	7.2	4.2
	6	35.8	9.9	15	12.3	17.1	17	5	M14 x 1.5	10.2	10.7
	8	38.4	10.7	15.5	14.2	18.4	19	6	M16 x 1.5	14.3	19.1
	10	43.4	13.2	18.5	17.5	20.9	24	6	M20 x 1.5	24.4	39.6
	12	38.8	13.4	20.5	21	23.6	27	6	M24 x 1.5	30.4	47.6

For Specifications, Features, Precautions for Use, and a Structure Diagram, please refer to the bottom of the next page.