

QUICK-FITTING JOINTS FOR MOLD COOLING —INTEGRATED PLUG · SOCKET—

—STANDARD TYPE (HEAT RESISTANT 60°C SERIES)—

Specifications for M—PL, M—PLL have been changed from January 2015 on, according to manufacturer specifications. The switchover will take place sequentially as stock runs out.

RoHS

M—PL (L-shaped Joint—Spanner type)

Material: Body: Polybutylene terephthalate resin (PBT)
 Release ring: Polyacetal resin (POM)
 Thread: Brass (C3604)+Nickel plating
 Thread JIS B 0203 tapered thread for tubing R(PT)
 ※Thread part is applied with sealant.

- ⦿ M—PL is made in integral structure, and cannot be disassembled.
- ⦿ Keep water temperature under 60°C.
- ⦿ Set the surge pressure (the pressure that acts instantaneously due to an impact flow) so that it does not exceed the maximum working pressure (1 MPa).
- ⦿ Be sure to use an insert sleeve (P.1108) when using this socket.

Matching tubes Outer×Inner dia.	Tube inserting hole		D	d	L	a	e	B	l ₁	R(PT)	Part Number		U/Price 1~19	
	Hole dia. P	Depth C									Type	No.		
4×2.5	4	14.9	10	2.8	22.0	23.0	18.7	10	8	1/8	M—PL	4-01	Quotation	
					29.0	28.0	20.7	14	11	1/4		4-02		
					22.5	24.8	20.3	10	8	1/8		6-01		
6×4	6	17	12.5	4.3	28.0	28.2	21.8	14	11	1/4	M—PL	6-02	Quotation	
					31.5	29.7	23.8	17	12	3/8		6-03		
					24.0	27.3	22.7	12	8	1/8		8-01		
8×6	8	18.1	14.5	6.7	28.0	29.3	23.7	14	11	1/4	M—PL	8-02	Quotation	
					31.0	31.9	24.7	17	12	3/8		8-03		
					6	25.0	29.8	25.5	12	8		1/8		10-01
10×7.5	10	20.2	17.5	8	28.5	31.3	26.0	14	11	1/4	M—PL	10-02	Quotation	
					8.3	32.0	34.4	27.0	17	12		3/8		10-03
					8	29.8	34.3	29.3	14	11		1/4		12-02
12×9	12	23.4	21	10	32.5	36.7	30.0	17	12	3/8	M—PL	12-03	Quotation	
					32.5	36.7	30.0	17	12	3/8		12-03		

RoHS

M—POL (L-shaped Joint—Hexagonal wrench type)

Material: Body: Polybutylene terephthalate resin (PBT)
 Release ring: Polyacetal resin (POM)
 Thread: Brass (C3604)+Nickel plating
 Thread JIS B 0203 tapered thread for tubing R(PT)
 ※Thread part is applied with sealant.

- ⦿ M—POL is made in integral structure, and cannot be disassembled.
- ⦿ Keep water temperature under 60°C.
- ⦿ Set the surge pressure (the pressure that acts instantaneously due to an impact flow) so that it does not exceed the maximum working pressure (300 kPa).
- ⦿ Be sure to use an insert sleeve (P.1108) when using this socket.

Matching tubes Outer×Inner dia.	Tube inserting hole		Hexagonal wrench socket ○ B	D	d	L	L ₂	a	e	l ₁	R(PT)	Part Number		U/Price 1~19		
	Hole dia. P	Depth C										Type	No.			
6×4	6	17	○ 5	13	4.6	24	15.4	20	24	8	1/8	M—POL	6-01	Quotation		
						27	18.4	21					6-02			
						27	15.9	23					8		1/8	8-01
8×6	8	18	○ 8	14	6	30	18.9	24	27	11	1/4	M—POL	8-02	Quotation		
						31	19.9	24.7					12		3/8	8-03
						34	20.9	28					11		1/4	10-02
10×7.5	10	20	○ 10	18	8	35	21.9	28.7	31	12	3/8	M—POL	10-03	Quotation		
						39	23.9	32.7					12		3/8	12-03
12×9	12	23.5	○ 12	21	10	39	23.9	32.7	37	12	3/8	M—POL	12-03	Quotation		

RoHS

M—PLL (L-shaped Joint—Spanner type, long)

Material: Body: Polybutylene terephthalate resin (PBT)
 Release ring: Polyacetal resin (POM)
 Thread: Brass (C3604)+Nickel plating
 Thread JIS B 0203 tapered thread for tubing R(PT)
 ※Thread part is applied with sealant.

- ⦿ M—PLL is made in integral structure, and cannot be disassembled.
- ⦿ Keep water temperature under 60°C.
- ⦿ Set the surge pressure (the pressure that acts instantaneously due to an impact flow) so that it does not exceed the maximum working pressure (1 MPa).
- ⦿ Be sure to use an insert sleeve (P.1108) when using this socket.

Matching tubes Outer×Inner dia.	Tube inserting hole		D	d	L	a	e	Allen side B	l ₁	R(PT)	Part Number		U/Price 1~19
	Hole dia. P	Depth C									Type	No.	
6×4	6	17	12.5	4.3	37.0	39.3	20.3	10	8	1/8	M—PLL	6-01	Quotation
												8-01	
8×6	8	18.1	14.5	6.7	44.5	45.7	23.7	14	11	1/4	M—PLL	8-02	Quotation
												10-02	
10×7.5	10	20.2	17.5	8.3	51.5	53.9	27.0	17	12	3/8	M—PLL	10-03	Quotation
												12-02	
12×9	12	23.4	21	10	55.5	59.7	29.7	17	12	3/8	M—PLL	12-03	Quotation
												12-03	

Order

Part Number
 M—PL 10-03
 M—POL 6-01
 M—PLL 4-01

Days to Ship

Quotation

Price

Quotation

QUICK-FITTING JOINTS FOR MOLD COOLING —INTEGRATED PLUG · SOCKET—

—FOR WARM WATER (HEAT RESISTANT 80°C SERIES)—

Non JIS material definition is listed on P.1351 - 1352

RoHS

M—80PC (Straight Joint Plug—Spanner type)

Material: Body: Brass (C3604)+Nickel plating
 Release ring: Polyacetal resin (POM)
 Thread: Brass (C3604)+Nickel plating
 Thread JIS B 0203 tapered thread for tubing R(PT)
 ※Thread part is applied with heat resistant sealant.

- ⦿ M—80PC is made in integral structure, and cannot be disassembled.
- ⦿ Keep water temperature under 80°C.
- ⦿ Set the surge pressure (the pressure that acts instantaneously due to an impact flow) so that it does not exceed the maximum working pressure (1 MPa).
- ⦿ Be sure to use an insert sleeve (P.1108) when using this socket.

Matching tubes Outer×Inner dia.	Tube inserting hole		d	L	a	B	l ₁	R(PT)	Part Number		U/Price 1~19				
	Hole dia. P	Depth C							Type	No.					
6×4	6	17	4.6	22.6	18.6	12	8	1/8	M—80PC	6-01F	Quotation				
				24.6	18.5	11	1/4	6-02F							
8×6	8	18.5	6	27.9	23.9	14	8	1/8	M—80PC	8-01F	Quotation				
				26.6	20.6	11	1/4	8-02F							
10×7.5	10	21	8.5	7	23.9	17.6	12	3/8	M—80PC	8-03F	Quotation				
										29.8		23.8	11	1/4	10-02F
										29.3		23	12	3/8	10-03F

RoHS

M—80POC (Straight Joint Plug—Hexagonal wrench type)

Material: Body: Brass (C3604)+Nickel plating
 Release ring: Polyacetal resin (POM)
 Thread: Brass (C3604)+Nickel plating
 Thread JIS B 0203 tapered thread for tubing R(PT)
 ※Thread part is applied with heat resistant sealant.

- ⦿ M—80POC is made in integral structure, and cannot be disassembled.
- ⦿ Keep water temperature under 80°C.
- ⦿ Set the surge pressure (the pressure that acts instantaneously due to an impact flow) so that it does not exceed the maximum working pressure (1 MPa).
- ⦿ Be sure to use an insert sleeve (P.1108) when using this socket.

Matching tubes Outer×Inner dia.	Tube inserting hole		D	Hexagonal wrench socket ○ B	L	a	l ₁	R(PT)	Part Number		U/Price 1~19
	Hole dia. P	Depth C							Type	No.	
6×4	6	17	12	○ 4	22.6	18.6	8	1/8	M—80POC	6-01F	Quotation
					16.5	11	1/4	6-02F			
8×6	8	18.5	14	○ 5	27.9	23.9	8	1/8	M—80POC	8-01F	Quotation
					26.6	20.6	11	1/4		8-02F	
					23.9	17.6	12	3/8		8-03F	
10×7.5	10	20.5	18	○ 6	29.8	23.8	11	1/4	M—80POC	10-02F	Quotation
					29.3	23	12	3/8		10-03F	

Order

Part Number
 M—80PC 8-02F
 M—80POC 6-02F

Days to Ship

Quotation

Price

Quotation

Guide of package sales

With this bulk sales service, you can save.

PACK	Part Number Type	No.	Package price	
			50 PACK (contains 50pcs.)	100 PACK (contains 100pcs.)
50PACK 100PACK	M—PL	6-01	Quotation	
		6-02		
		8-01		
		8-02		
		10-01		
		10-02		
30PACK 50PACK	M—POL	6-01	Quotation	
		6-02		
		8-01		
		8-02		
		8-03		
		10-02		
30PACK 50PACK	M—PLL	6-01	Quotation	
		8-01		
		8-02		
		10-02		
		10-03		
		12-02		

Order

Part Number
 30PACK M—80PC
 50PACK M—80POC

Days to Ship

Quotation

Price

Quotation

Package

PACK	Part Number Type	No.	Package price	
			30PACK—M—80PC (contains 30pcs.)	50PACK—M—80PC (contains 50pcs.)
30PACK 50PACK	M—80PC	6-01F	Quotation	
		6-02F		
		8-01F		
		8-02F		
		8-03F		
		10-02F		
30PACK—M—80POC (contains 30pcs.)	M—80POC	6-01F	Quotation	
		6-02F		
		8-01F		
		8-02F		
		8-03F		
		10-03F		

Cooling Components
Couplers
Quick Fitting Joints