

# Couplings for Tubes

## Nut and Sleeve Integrated Type

**Straight** **MCPTK**

RoHS10 Material: SUS316

Part Number Type	Applicable Tube O.D. (mm)	T R (PT) Selection	T R (PT)	Applicable Tube I.D. (mm)	L	ℓ	B <sub>1</sub> (Wrench Flats)	B <sub>2</sub> (Wrench Flats)	Unit Price	Volume Discount Rate
MCPTK	3.2	1	1/8	1.6	24	9	10	10	1-4 pcs/	5-20
			1/4	24	9	10	10			
			1/2	26	11	14				
	4	2	1/8	2	26	11	14	12		
			1/4	26	9	12				
			1/2	28.5	11	14				
	6	3	1/8	4	30	12	17	14		
			1/4	28	9	14				
			3/8	30	12	17				
	8	4	1/8	6	30	11	14	17		
			1/4	31	12	17				
			3/8	32	11	17				
10	5	1/8	8	33	12	17	19			
		1/4	36	15	22					
		3/8	34	11	17					
12	6	1/8	10	35	12	17	19			
		1/4	38	15	22					
		3/8	35	12	17					

**Elbows** **MCLPTK**

RoHS10 Material: SUS316

Part Number Type	Applicable Tube O.D. (mm)	T R (PT) Selection	T R (PT)	Applicable Tube I.D. (mm)	L <sub>1</sub>	L <sub>2</sub>	ℓ	B <sub>1</sub> (Wrench Flats)	B <sub>2</sub> (Wrench Flats)	Unit Price	Volume Discount Rate
MCLPTK	3.2	1	1/8	1.6	18	20	9	12	10	1-4 pcs/	5-20
			1/4	18	20	9	12	10			
			1/2	21	21	11	14				
	4	2	1/8	2	18	21.5	9	12	12		
			1/4	21	22.5	11	14				
			1/2	23	23.5	12	17				
	6	3	1/8	4	19	24	9	14	14		
			1/4	21	24	11	14				
			3/8	23	25	12	17				
	8	4	1/8	6	21	24	11	14	17		
			1/4	22	26.5	11	17				
			3/8	23	26.5	12	17				
10	5	1/8	8	23	26.5	12	17	19			
		1/4	29	28.5	15	22					
		3/8	23	27.5	11	17					
12	6	1/8	10	27	30	12	22	19			
		1/4	30	30	15	22					
		3/8	27	30	12	22					

**Panel Mount** **MCBU**

RoHS10 Material: SUS316

Part Number Type	No.	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L	B	Wrench Flats H <sub>1</sub> H <sub>2</sub> H <sub>3</sub>	C	D	E	M	Unit Price	Volume Discount Rate
MCBU	4	4	2.5	41	6	14 10 14 17	8	4	M12x1.0		1-4 pcs/	5-20
	6	6	4	44	7	17 12 17 18.5	8	4	M14x1.0			
	8	8	6	47	7.5	19 14 19 20	8	4	M16x1.0			
	10	10	8	50	8	22 17 22 21.5	8	4	M18x1.0			
12	12	10	54	9.5	24 19 24 23	8	5	M20x1.0				

**Tees** **MCTPT**

RoHS10 Material: SUS316

Part Number Type	No.	Thread Size R (PT)	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L <sub>1</sub>	L <sub>2</sub>	A	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate							
MCTPT	4-1	1/8	4	2.5	20	18	9	6	12 10	1-9 pcs/	10-20							
												1/4	21	21	11	6	14	10
												1/2	21.5	18	9	7	12	12
	6-1	1/8	6	4	22.5	21	11	7	14	12								
											1/4	23.5	19	9	7.5	14	14	
											1/2	23.5	19	9	7.5	14	14	
	8-1	1/8	8	6	23.5	21	11	7.5	14	14								
											1/4	23.5	21	11	7.5	14	14	
											3/8	25	23	12	7.5	17	14	
	8-36	3/8	8	6	25	23	12	7.5	17	14								
											1/2	28.5	25	11	8	22	17	
											3/8	28.5	26	12	8	22	17	
10-2	1/4	10	8	28.5	26	12	8	22	17									
										3/8	28.5	26	12	8	22	17		
										1/2	30	26	11	9.5	22	19		
12-2	1/4	12	10	30	26	11	9.5	22	19									
										3/8	30	27	12	9.5	22	19		

**Unions** **MCUN**

RoHS10 Material: SUS316

Part Number Type	No.	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate
MCUN	4	4	2.5	28	6	10 10	1-9 pcs/	10-20
	6	6	4	32	7	12 12		
	8	8	6	36	7.5	14 14		
	10-6	10	6.5	40	8	17 17		
	10	10	8	40	8	17 17		
	12-8	12	8	44	9.5	17 19		
	12-9	12	9	44	9.5	17 19		
	12	12	10	44	9.5	17 19		

**Union Tees** **MCUT**

RoHS10 Material: SUS316

Part Number Type	No.	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate
MCUT	4	4	2.5	20	6	12 10	1-9 pcs/	10-20
	6	6	4	21.5	7	12 12		
	8-5	8	5	23.5	7.5	14 14		
	8	8	6	23.5	7.5	14 14		
	10	10	8	28.5	8	22 17		
	12-8	12	8	30	9.5	22 19		
	12-9	12	9	30	9.5	22 19		
	12	12	10	30	9.5	22 19		

Ordering Example: Part Number - T MCPTK4 - 1

**Half Unions** **MCTPTY**

RoHS10 Material: SUS316

Part Number Type	No.	Thread Size R (PT)	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L	A	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate					
MCTPTY	4-1	1/8	4	2.5	24	9	6	10 10	1-9 pcs/	10-30					
											1/4	26	11	6	14 10
											1/2	28	9	7.5	14 14
	8-1	1/8	8	5	30	11	7.5	14 14	14						
										1/4	31	12	7.5	17 14	
										3/8	32	11	8	17 17	
	10-2	1/4	10	6.5	33	12	8	17 17	17						
										3/8	33	12	8	17 17	
										1/2	36	15	8	22 17	
	12-2	1/4	12	8	34	11	9.5	17 19	19						
										3/8	35	12	9.5	17 19	
										1/2	38	15	9.5	22 19	

The difference between MCPTK and MCTPTY is the tube I.D. Select parts according to the tube to be used.

**Half Elbows** **MCUNE**

RoHS10 Material: SUS316

Part Number Type	No.	Thread Size R (PT)	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L <sub>1</sub>	L <sub>2</sub>	A	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate						
MCUNE	4-1	1/8	4	2.5	20	18	9	6	12 10	1-9 pcs/	10-30						
												1/4	21	21	11	6	14 10
												1/2	24	19	9	7.5	14 14
	8-1	1/8	8	5	24	21	11	7.5	14 14	14							
											1/4	25	23	12	7.5	17 14	
											3/8	26.5	22	11	8	17 17	
	10-2	1/4	10	6.5	26.5	23	12	8	17 17	17							
											3/8	28.5	29	15	8	22 17	
											1/2	27.5	23	11	9.5	17 19	
	12-2	1/4	12	8	27.5	23	11	9.5	17 19	19							
											3/8	30	27	12	9.5	22 19	
											1/2	30	30	15	9.5	22 19	

The difference between MCLPTK and MCUNE is the tube I.D. Select parts according to the tube to be used.

**Union Elbows** **MCUE**

RoHS10 Material: SUS316

Part Number Type	No.	Applicable Tube O.D. (mm)	Applicable Tube I.D. (mm)	L <sub>1</sub>	L <sub>2</sub>	B	Wrench Flats H <sub>1</sub> H <sub>2</sub>	Unit Price	Volume Discount Rate
MCUE	6	6	4	23.5	23.5	7	12 12	1-4 pcs/	5-10
	8	8	6	27	27	7.5	14 14		
	10	10	8	28.5	28.5	8	17 17		
	12	12	10	30	30	9.5	19 19		

**Nipples** **TJBNC**

RoHS10 Material: Brass

Part Number Type	D (Hose O.D.)	Nominal	Tube I.D. (mm)	L	L <sub>1</sub>	B	H <sub>1</sub>	H <sub>2</sub>	T R (PT)	Mass (g)	Unit Price	Volume Discount Rate							
TJBNC	6	1	4	26	22	12.5	12	12	R1/8	18	1-9 pcs/	10-20							
													2	28.5	22.5	14	12	R1/4	26
													3	28	24	14	14	R1/8	25
	8	2	5	30	24	14	14	14	14	R1/4	30								
												3	31	24.6	17	14	R3/8	41	
												4	32	26	17	17	R1/4	43	
	10	3	6.5	33	26.6	15.5	17	17	17	R3/8	50								
												4	34	28	17	19	R1/4	49	
												5	35	28.6	17	19	R3/8	57	

**Sockets** **TJBSC**

RoHS10 Material: Brass

Part Number Type	D (Hose O.D.)	Nominal	Tube I.D. (mm)	L	A	B	H <sub>1</sub>	H <sub>2</sub>	T R (PT)	Mass (g)	Unit Price	Volume Discount Rate							
TJBSC	6	1	4	23.5	11	12.5	14	12	Rc1/8	20	1-9 pcs/	10-20							
													2	26.5	14	17	12	Rc1/4	31
													3	28	14	17	14	Rc1/4	33
	8	2F	5	28	14	14	17	14	14	G1/4	33								
												3	30	16	22	14	Rc3/8	51	
												4	29.5	14	17	17	G1/4	42	
	10	3	6.5	31.5	14	15.5	22	17	17	Rc3/8	59								
												4	31	14	19	19	Rc1/4	55	
												5	31	14	17	19	19	G1/4	55
	12	2F	8	33	16	17	22	19	19	Rc3/8									