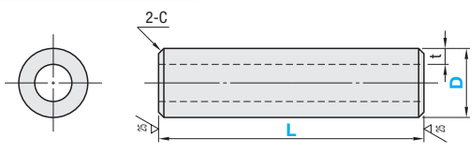
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Copper Pipes / Copper Pipe Fittings

Copper Pipes

RoHS10

Type	Material	Standards
DKE	Copper Phosphate (C1220)	JIS H :3300



Part Number Type	D	L 1mm Increment	t	Unit Price L10 ~100	L101 ~200	L201 ~400	L401 ~600	L601 ~800	L801 ~1000
DKE	3	10~250	1				-	-	-
	4	10~500							
	5								
	6								
	8	10~900							
	10								
	12								
	14		1.5						
	15	10~1000							
	16		2						
	18								

■Tolerance for D dimension and L dimension

or more	or less	D	L
3	6	±0.1	±0.1
7	30	±0.2	±0.2
31	120	±0.3	±0.3
121	400	±0.5	±0.5
401	1000	±0.8	±0.8

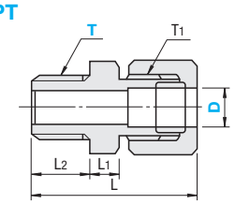
■C Dimension

or more	or less	C
D3	D12 (12.7)	0.3
D14	D18	0.5

Ordering Example: Part Number - L → DKE10 - 300

Copper Pipe Fittings Male Threaded Connector

DKPT



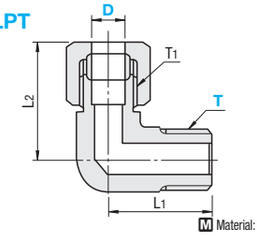
M Material: Brass

Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR (PT)	Approx. L	L1	L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKPT	3	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	4	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	5	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	6	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
		3	3/8	39	8	13	1/4	19	16	
	8	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
		3	3/8	39	8	13	1/4	19	16	
	10	2	1/4	40	8	12	3/8	19	19	
		3	3/8	41	8	13	3/8	19	19	
		4	1/2	46	10	16	3/8	22	19	
	12	2	1/4	46	10	12	1/2	22	24	
		3	3/8	47	10	13	1/2	22	24	
		4	1/2	50	10	16	1/2	24	24	
	14	3	3/8	48	10	13	1/2	22	24	
		4	1/2	51	10	16	1/2	24	24	
	15	3	3/8	50	10	13	5/8	24	27	
		4	1/2	54	11	16	5/8	27	27	
	16	3	3/8	50	10	13	5/8	24	27	
		4	1/2	54	11	16	5/8	27	27	

Ordering Example: Part Number - T → DKPT8 - 2

Copper Pipe Fittings Male Threaded Elbow Connector

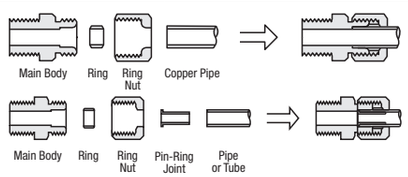
DKLPT



M Material: Brass

Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR(PT)	L1	Approx. L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKLPT	3	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	4	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	5	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	6	1	1/8	22	31	1/4	16	16	
		2	1/4	25	31	1/4	16	16	
		3	3/8	28	33	1/4	19	16	
	8	1	1/8	22	31	1/4	16	16	
		2	1/4	25	31	1/4	16	16	
		3	3/8	28	33	1/4	19	16	
	10	2	1/4	27	35	3/8	19	19	
		3	3/8	28	35	3/8	19	19	
		4	1/2	34	38	3/8	24	19	
	12	2	1/4	30	42	1/2	24	24	
		3	3/8	31	42	1/2	24	24	
		4	1/2	34	42	1/2	24	24	
	14	3	3/8	31	43	1/2	24	24	
		4	1/2	34	43	1/2	24	24	
	15	3	3/8	31	45	5/8	24	27	
		4	1/2	34	45	5/8	24	27	
	16	3	3/8	31	45	5/8	24	27	
		4	1/2	34	45	5/8	24	27	

Example



- Pin-Ring Joint is available when thin metal pipes and hard tubes are used with Copper Pipe Fittings. P.1294
- Set a ring nut and a ring in a joint pipe, insert the pipe into the main body all the way until the pipe end touches the pipe stopper and tighten the nut by hand. Afterwards use a wrench or a spanner for further tightening.
- As annealed copper pipes are soft, use Annealed Copper Pipe Fittings, instead of this Ring Type coupling. P.1296

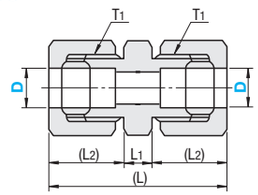
Fitting Specifications

Applicable Fluids	Air, Water, Industrial Oil
Normal Operating Pressure	3.5MPa
Max. Operating Pressure	7.0MPa
Operating Temperature Range	-20 ~ 150°C (No Freezing)

Copper Pipe Fittings

Copper Pipe Fittings Union

DKUS



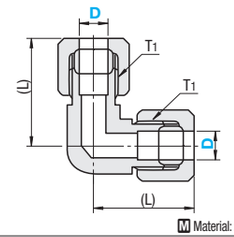
M Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	L1	(L2)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUS	3	33	5	14.0	1/8	12	12	
	4	33	5	14.0	1/8	12	12	
	5	33	5	14.0	1/8	12	12	
	6	41	6	17.5	1/4	16	16	
	8	41	6	17.5	1/4	16	16	
	10	48	8	20.0	3/8	19	19	
	12	58	10	24.0	1/2	24	24	
	14	60	10	25.0	1/2	24	24	
	15	65	11	27.0	5/8	27	27	
	16	65	11	27.0	5/8	27	27	

Copper Pipe Fittings Union Elbow Connectors

RoHS10

DKUE



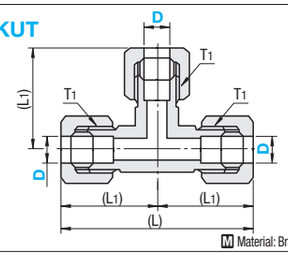
M Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUE	3	25	1/8	12	12	
	4	25	1/8	12	12	
	5	25	1/8	12	12	
	6	31	1/4	16	16	
	8	31	1/4	16	16	
	10	35	3/8	19	19	
	12	42	1/2	24	24	
	14	43	1/2	24	24	
	15	45	5/8	24	27	
	16	45	5/8	24	27	

Copper Pipe Fittings Union Tees

RoHS10

DKUT



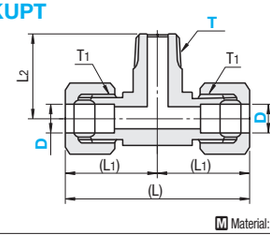
M Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	(L1)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUT	3	50	25	1/8	12	12	
	4	50	25	1/8	12	12	
	5	50	25	1/8	12	12	
	6	62	31	1/4	16	16	
	8	62	31	1/4	16	16	
	10	70	35	3/8	19	19	
	12	84	42	1/2	24	24	

Copper Pipe Fittings Male Threaded Tee

RoHS10

DKUPT



M Material: Brass

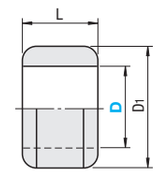
Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR (PT)	(L)	(L1)	L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUPT	4	1	1/8	50	25	20	1/8	12	12	
		2	1/4	54	27	25	1/8	16	12	
	5	1	1/8	50	25	20	1/8	12	12	
		2	1/4	54	27	25	1/8	16	12	
	6	1	1/8	62	31	22	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
		3	3/8	66	33	28	1/4	19	16	
	8	1	1/8	62	31	22	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
		3	3/8	66	33	28	1/4	19	16	
	10	2	1/4	70	35	27	3/8	19	19	
		3	3/8	70	35	28	3/8	19	19	
		4	1/2	76	38	34	3/8	24	19	
	12	3	3/8	84	42	31	1/2	24	24	
		4	1/2	84	42	34	1/2	24	24	

The PT thread size marked on the copper pipe fitting body might be different from actual size.

Copper Pipe Fittings Gland Ring

RoHS10

DKRG



M Material: Brass

Part Number Type	Applicable Pipe O.D. D	D1	L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
DKRG	3	5	5		
	4	6	5		
	5	7	5.5		
	6	8.5	7		
	8	10.5	7.5		
	10	12.5	8.5		
	12	15	10		
	14	17	11		
	15	18	11.5		
	16	19	12		

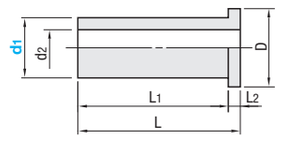
For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number - T → DKUS3 / DKUPT8 - 2

Pin-Ring Joints

RoHS10

DKPRJ



M Material: Brass

Part Number Type	d1	d2	D	L	L1	L2	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~20 pcs.
DKPRJ	4	3.0	6.0	15.0	14.0	1.0		
	6	4.5	8.0	16.0	15.0	1.0		
	8	6.0	10.0	19.0	17.5	1.5		
	10	8.0	12.0	22.0	20.0	2.0		

For orders larger than indicated quantity, please check with WOS.

Fitting Specifications

Applicable Fluids	Air, Water, Industrial Oil
Normal Operating Pressure	3.5MPa
Max. Operating Pressure	7.0MPa
Operating Temperature Range	-20 ~ 150°C (No Freezing)