

# Copper Pipes / Copper Pipe Fittings

**Copper Pipes**

Type	Material	Standards
DKE	Copper Phosphate (EN CW024A Equiv. deoxidized)	JIS H :3300

RoHS 10

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

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	D16	0.5

Ordering Example: Part Number - L  
DKE10 - 300

**Copper Pipe Fittings Male Threaded Connector**

DKPT

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	TR (PT) Selection	TR (PT)	Approx. L	L1	L2	T1G (PF)	Square Main Body	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	
	8	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
	10	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
	12	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
	14	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
	15	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
	16	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	

**Copper Pipe Fittings Male Threaded Elbow Connector**

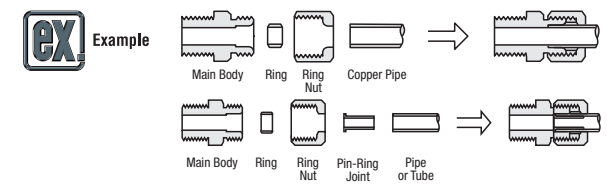
DKLPT

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	TR (PT) Selection	TR (PT)	L1	Approx. L2	T1G (PF)	Square Main Body	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	27	1/8	16	12	
	8	1	1/8	22	31	1/4	16	16	
		2	1/4	25	31	1/4	16	16	
	10	1	1/8	22	31	1/4	16	16	
		2	1/4	27	35	3/8	19	19	
	12	1	1/8	22	31	1/4	16	16	
		2	1/4	30	42	1/2	24	24	
	14	1	1/8	31	43	1/2	24	24	
		2	1/4	34	43	1/2	24	24	
	15	1	1/8	31	45	5/8	24	27	
		2	1/4	34	45	5/8	24	27	
	16	1	1/8	31	45	5/8	24	27	
		2	1/4	34	45	5/8	24	27	

Ordering Example: Part Number - T  
DKPT8 - 2



- Pin-Ring Joint is available when thin metal pipes and hard tubes are used with Copper Pipe Fittings. P1294
- 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. P1296

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

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	Applicable Pipe O.D. D	(L)	L1	(L2)	T1G (PF)	Square Main Body	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**

DKUE

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	Applicable Pipe O.D. D	(L)	T1G (PF)	Square Main Body	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**

DKUT

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	Applicable Pipe O.D. D	(L)	(L1)	T1G (PF)	Square Main Body	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**

DKUPT

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	TR (PT) Selection	TR (PT)	(L)	(L1)	(L2)	T1G (PF)	Square Main Body	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	25	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
	8	1	1/8	62	31	22	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
	10	1	1/8	62	31	22	1/4	16	16	
		2	1/4	70	35	27	3/8	19	19	
	12	1	1/8	62	31	22	1/4	16	16	
		2	1/4	70	35	27	3/8	19	19	

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

**Copper Pipe Fittings Gland Ring**

DKRG

RoHS 10

Material: Brass

Part Number	Type	Applicable Pipe O.D. D	D1	L	Unit Price	Volume Discount Rate
DKRG	3	5	5		1 - 9 pc(s)	10-20 pcs.
	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			

Ordering Example: Part Number - T  
DKUS3 DKUPT8 - 2

**Pin-Ring Joints**

DKPRJ

RoHS 10

Material: Brass

Part Number	Type	d1	d2	D	L	L1	L2	Unit Price	Volume Discount Rate
DKPRJ	4	3.0	6.0	15.0	14.0	1.0			1 - 4 pc(s), 5-20 pcs.
	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)