

Copper Pipes / Copper Pipe Fittings

Copper Pipes

Type	Material	Standards
DKE	Phosphorus-deoxidized Copper (C1220)	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	3									
	6	3									
	8	3									
	10	3									
	12	3									
	14	3									
	15	3									
	16	3									
	18	3									
	DKE	3	4	10-250	1.5						
		4	3								
		5	3								
		6	3								
		8	3								
		10	3								

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	1/2	46	10	16	3/8	19	19	
		2	1/4	46	10	12	1/2	22	24	
	16	1	1/2	50	10	16	1/2	24	24	
		2	3/8	48	10	13	1/2	22	24	

Copper Pipe Fittings Male Threaded Elbow Connector

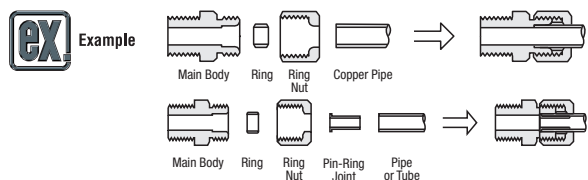
DKLPT

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	22	31	1/4	16	16	
		2	1/4	34	42	1/2	24	24	
	15	1	1/2	34	43	1/2	24	24	
		2	3/8	31	45	5/8	24	27	
	16	1	1/2	34	45	5/8	24	27	
		2	3/8	31	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. 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

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 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 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 pcs(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 DKUT8 - 2

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

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 Male Threaded Tee

DKUPT

RoHS 10

Ring included (part number: DKRG) Material: Brass

Part Number	Type	Applicable Pipe O.D. D	TR (PT) Selection	TR (PT)	(L)	(L1)	(L2)	T1G (PF)	Square Main Body	Nut	Unit Price
DKUPT	4	1	1	1/8	50	25	20	1/8	12	12	
			2	1/4	54	27	25	1/8	16	12	
	5	1	1	1/8	50	25	20	1/8	12	12	
			2	1/4	54	27	25	1/8	16	12	
	6	1	1	1/8	62	31	25	1/4	16	16	
			2	1/4	62	31	25	1/4	16	16	
	8	1	1	1/8	66	33	28	1/4	19	16	
			2	1/4	62	31	22	1/4	16	16	
	10	1	1	1/8	62	31	22	1/4	16	16	
			2	1/4	62	31	25	1/4	16	16	
	12	1	1	1/8	62	31	22	1/4	16	16	
			2	1/4	70	35	27	3/8	19	19	
	14	1	1	1/8	62	31	22	1/4	16	16	
			2	1/4	66	33	28	1/4	19	16	
	16	1	1	1/8	66	33	28	1/4	19	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.

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 pcs(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)