

Couplings with Tube Insert

Nut and Sleeve Integrated Type

Connectors

TCRH

Material: Brass

Part Number		Nominal	R(PT)	Applicable Tube I.D. (mm)	L	B	C	d	H1 Wrench Flats	H2 Wrench Flats	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
Type	Applicable Tube O.D. (mm)												
TCRH	4	1	1/8	2.5	28	13.5	3.5	1.3	10	10	13		
		2	1/4		28.5	13.5	3.5	1.3	14	10	18		
	6	1	1/8	4	27.5	14	4.5	2.7	10	12	14		
		2	1/4		28	14	4.5	2.7	14	12	21		
	8	1	1/8	6	28	16	5.5	4.7	12	14	17		
		2	1/4		28	16	5.5	4.7	14	14	23		
	10	2	1/4	7.5	30.5	19	5.5	6	17	17	30		
			3/8		31.5	19	5.5	6	17	17	36		
		4	1/2	7.5	34.5	19	5.5	6	22	17	54		

Elbows

TCRL

Material: Brass

Part Number		Nominal	R(PT)	Applicable Tube I.D. (mm)	L1	L2	B	C	d	H Wrench Flats	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
Type	Applicable Tube O.D. (mm)												
TCRL	4	1	1/8	2.5	20	22	13.5	3.5	1.3	10	20		
		2	1/4		21	23	13.5	3.5	1.3	10	29		
	6	1	1/8	4	20	20	14	4.5	2.7	12	21		
		2	1/4		21	22.5	14	4.5	2.7	12	31		
	8	1	1/8	6	21	21	16	5.5	4.7	14	26		
		2	1/4		21	21	16	5.5	4.7	14	30		
	10	3	3/8	7.5	24	24.5	16	5.5	4.7	14	51		
			1/2		23	25	19	5.5	6	17	45		
		4	3/8	7.5	24	25	19	5.5	6	17	53		
			1/2		29	28.5	19	5.5	6	17	88		

Union Elbows

TCRF

Material: Brass

Part Number		Applicable Tube I.D. (mm)	L	B	C	d	H Wrench Flats	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
Type	Applicable Tube O.D. (mm)									
TCRF	4	2.5	22	13.5	3.5	1.3	10	22		
	6	4	20	14	4.5	2.7	12	24		
	8	6	21	16	5.5	4.7	14	31		
	10	7.5	25	19	5.5	6	17	54		

Union Connectors

TCRS

Material: Brass

Part Number		Applicable Tube I.D. (mm)	L	B	C	d	H1 Wrench Flats	H2 Wrench Flats	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
Type	Applicable Tube O.D. (mm)										
TCRS	4	2.5	30.5	13.5	3.5	1.3	8	10	14		
	6	4	29.5	14	4.5	2.7	10	12	19		
	8	6	30	16	5.5	4.7	12	14	24		
	10	7.5	34	19	5.5	6	17	17	40		

Union Tees

TCRT

Material: Brass

Part Number		Applicable Tube I.D. (mm)	L	B	C	d	H Wrench Flats	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
Type	Applicable Tube O.D. (mm)									
TCRT	4	2.5	22	13.5	3.5	1.3	10	30		
	6	4	20	14	4.5	2.7	12	33		
	8	6	21	16	5.5	4.7	14	44		
	10	7.5	25	19	5.5	6	17	74		

Ordering Example Part Number - Nominal
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Specifications

Applicable Fluid	Air, Water, Oil
Operating Temperature Range*	Air : -20 ~ 60°C Water: 0 ~ 60°C Oil: -20 ~ 60°C
Max. Operating Pressure	It applies to Maximum Operating Pressure of tubes.
Operating Vacuum Level	~100kPa

* No Freezing