

DK Tubing Dedicated Type

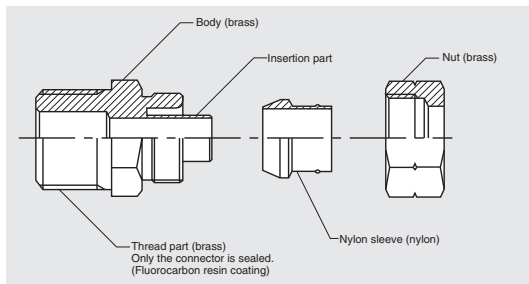
Screw-in type fitting dedicated for DK tubing

Features

- **Screw-in type**
Consisting of three parts: fitting body, nut and sleeve. Special fittings for DK tubes.
- **Only the connector is sealed**
Sealing tape is not required.



Cross-sectional structure diagram



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+60°C

Pressure condition

Maximum working pressure: 1.0MPa
Negative pressure performance: -101.294kPa

Handling instructions

- ⚠ **Caution:** This is dedicated for DK tubing. Cannot be connected to other tubes.
- ⚠ **Caution:** For use at a high temperature within the working temperature range, tighten the nut periodically. If the nut cannot be tightened further, cut the tubing end and insert the tubing again with a new sleeve.
- ⚠ **Caution:** Do not bend the pipe sharply near the tubing insertion port (sleeve end) of the fitting. Keep the tubing straight for twice as long as the tubing diameter from the insertion port.

📖 See page 34 for the common handling instructions for fittings.

Reference

Instruction manualP.172
 Effective sectional areaP.168

Product number example

DC 6 - PT1/8



Applicable tubing

Shape-keeping DK tubing



DK Tubing Dedicated Type

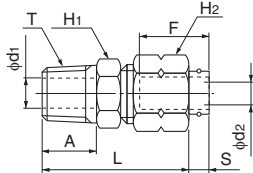
Shape list

<p>Connector DC</p>	<p>90 degree elbow DL</p>	<p>Tee DT</p>	<p>Union connector UDC</p>	<p>Union tee UDT</p>
<p>Panel touch connector DUT (Nickel plated)</p>	<p>Panel touch connector for copper pipe DUP (Nickel plated)</p>	<p>Brass nut N</p>	<p>Nylon sleeve SN</p>	

Connector



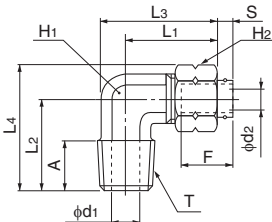
Product number	Applicable DK tubing size (mm)	T Thread size (R)	L (mm)	A (mm)	F Tubing insertion length (mm)	H ₁ Width across flat (mm)	H ₂ Width across flat (mm)	S (mm)	d ₁ (mm)	d ₂ (mm)	Effective sectional area (mm ²)	Weight (g)
DC6-PT1/8	6	R1/8	28.0	11.0	15	10.0	12.0	4.6	5.0	2.8	6.0	14.5
DC6-PT1/4	6	R1/4	30.0	12.0	15	14.0	12.0	4.6	7.0	2.8	6.0	22.0
DC10-PT1/8	10	R1/8	30.1	11.0	17	17.0	17.0	4.2	5.0	5.7	18.0	28.0
DC10-PT1/4	10	R1/4	31.1	12.0	17	17.0	17.0	4.2	7.0	5.7	23.0	32.0
DC10-PT3/8	10	R3/8	32.1	13.0	17	17.0	17.0	4.2	9.0	5.7	23.0	38.0



90 degree elbow



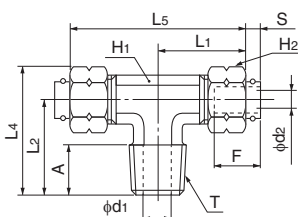
Product number	Applicable DK tubing size (mm)	T Thread size (R)	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	L ₄ (mm)	A (mm)	F Tubing insertion length (mm)	H ₁ Width across flat (mm)	H ₂ Width across flat (mm)	S (mm)	d ₁ (mm)	d ₂ (mm)	Effective sectional area (mm ²)	Weight (g)
DL6-PT1/8	6	R1/8	20.5	18.5	26.2	25.4	11.0	15	10.0	12.0	4.6	5.0	2.8	5.0	21.0
DL6-PT1/4	6	R1/4	23.0	22.0	29.9	28.9	12.0	15	12.0	12.0	4.6	7.0	2.8	5.0	31.0
DL10-PT1/8	10	R1/8	27.1	22.0	35.2	31.8	11.0	17	14.0	17.0	4.2	5.0	5.7	16.0	42.0
DL10-PT1/4	10	R1/4	27.1	25.0	35.2	34.8	13.5	17	14.0	17.0	4.2	7.0	5.7	22.0	50.0
DL10-PT3/8	10	R3/8	27.1	26.0	35.7	35.8	13.0	17	14.0	17.0	4.2	9.0	5.7	22.0	53.0



Tee



Product number	Applicable DK tubing size (mm)	T Thread size (R)	L ₁ (mm)	L ₂ (mm)	L ₄ (mm)	L ₅ (mm)	A (mm)	F Tubing insertion length (mm)	H ₁ Width across flat (mm)	H ₂ Width across flat (mm)	S (mm)	d ₁ (mm)	d ₂ (mm)	Effective sectional area (mm ²)	Weight (g)
DT6-PT1/8	6	R1/8	20.5	18.5	25.4	40.9	11.0	15	10.0	12.0	4.6	5.0	2.8	5.0	30.0
DT6-PT1/4	6	R1/4	23.0	22.0	28.9	45.9	12.0	15	12.0	12.0	4.6	7.0	2.8	5.0	43.0
DT10-PT1/4	10	R1/4	27.1	25.0	34.8	54.2	12.0	17	14.0	17.0	4.2	7.0	5.7	22.0	71.0
DT10-PT3/8	10	R3/8	27.1	26.0	35.8	54.2	13.0	17	14.0	17.0	4.2	9.0	5.7	22.0	71.0



Tubing

Clean tubing

Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/ Chemfit

Bamboo-shoot fitting

Control switch/ Detachable series

Jig/Tool/ Accessory

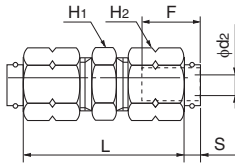
Technical information

Reference

Union connector



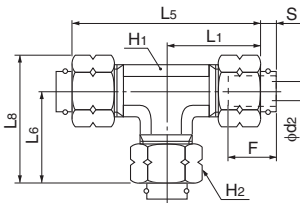
Product number	Applicable DK tubing size (mm)	L (mm)	F Tubing insertion length (mm)	H ₁ Width across flat (mm)	H ₂ Width across flat (mm)	S (mm)	d ₂ (mm)	Effective sectional area (mm ²)	Weight (g)
UDC6	6	32.9	15	10.0	12.0	4.6	2.8	6.0	20.0
UDC10	10	36.2	17	15.0	17.0	4.2	5.7	23.0	39.0



Union tee



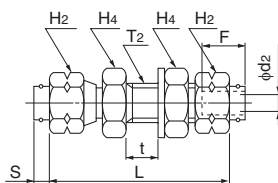
Product number	Applicable DK tubing size (mm)	L ₁ (mm)	L ₅ (mm)	L ₆ (mm)	L ₈ (mm)	F Tubing insertion length (mm)	H ₁ Width across flat (mm)	H ₂ Width across flat (mm)	S (mm)	d ₂ (mm)	Effective sectional area (mm ²)	Weight (g)
UDT6	6	20.5	40.9	20.5	27.4	15	10.0	12.0	4.6	2.8	4.0	35.0
UDT10	10	27.1	54.2	27.1	36.9	17	14.0	17.0	4.2	5.7	18.5	81.5



Panel touch connector (nickel plated)



Product number	Applicable DK tubing size (mm)	L (mm)	F Tubing insertion length (mm)	t Max. panel thickness (mm)	H ₂ Width across flat (mm)	H ₄ Width across flat (mm)	S (mm)	d ₂ (mm)	T ₂ Recommended panel hole diameter (mm)	Washer outer diameter (mm)	Washer thickness (mm)	Effective sectional area (mm ²)	Weight (g)
DUT6	6	44.9	15	10	12.0	17.0	4.6	2.8	11	18	2.0	5.5	45.0
DUT10	10	51.2	17	7.1	17.0	24.0	4.2	5.7	16	28	3.0	21.5	104.0



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QuickSeal fitting

Clean fitting/ Chemifit

Bamboo-shoot fitting

Control switch/ Detachable series

Jig/Tool/ Accessory

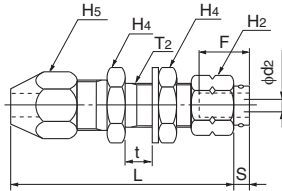
Technical information

Reference

Panel touch connector for copper pipe (nickel plated)



Product number	Applicable DK tubing size (mm)	Applicable copper pipe (mm)	L (mm)	F Tubing insertion length (mm)	t Max. panel thickness (mm)	H ₂ Width across flat (mm)	H ₄ Width across flat (mm)	H ₅ Width across flat (mm)	S (mm)	d ₂ (mm)	T ₂ Recommended panel hole diameter (mm)	Washer outer diameter (mm)	Washer thickness (mm)	Effective sectional area (mm ²)	Weight (g)
DUP6	6	6.0	51.0	15	10.0	12.0	17.0	14.0	4.6	2.8	11	18	2.0	5.5	49.0
DUP10	10	10.0	61.8	17	7.1	17.0	24.0	17.0	4.2	5.7	16	28	3.0	21.5	133.0

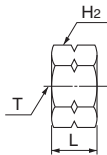


*Fitting part for connecting DK tubing and copper pipe by panel touch method.

Brass nut



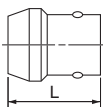
Product number	Applicable DK tubing size (mm)	T Thread size (mm)	L (mm)	H ₂ (mm)	Weight (g)
N6	6	M10x1	9.0	12.0	5.0
N10	10	M15x1	10.0	17.0	9.0



Nylon sleeve



Product number	Applicable DK tubing size (mm)	L (mm)	Weight (g)
SN6	6	11.0	0.2
SN10	10	12.0	0.4



⚠ Caution: Nylon sleeves that have been used once cannot be reused.

Tubing

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Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/Chemifit

Bamboo-shoot fitting

Control switch/Detachable series

Jig/Tool/Accessory

Technical information

Reference