

PD Pneumatic T-Type Side Thread Tee Fitting

Push-to-connect tee fitting with side male thread for branch air distribution



Product Overview

The HOMIPNEU PD fitting is a T-type side threaded branch tee connector designed for efficient air distribution and branching in pneumatic systems. With its unique side male thread structure, this fitting connects two tube ports and one threaded branch, making it ideal for compact air routing and multi-line distribution. The push-to-connect design allows fast tubing installation without tools, while the internal sealing structure helps provide secure, leak-resistant connections in industrial environments.

Item	Specification	Item	Specification
Connection	Tube × Tube × Side Male Thread	Operating Fluid	Air
Tube O.D.	4–16 mm	Proof Pressure	1.32 MPa
Thread Options	M5, R1/8, R1/4, R3/8, R1/2, R3/4	Operating Pressure	0–0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0–60°C

Key Features

- T-type side threaded tee structure for compact branch air distribution.
- Push-to-connect design for fast tube installation and removal.
- Two tube ports with one side male thread for efficient system branching.
- Leak-resistant internal sealing structure for compressed-air systems.

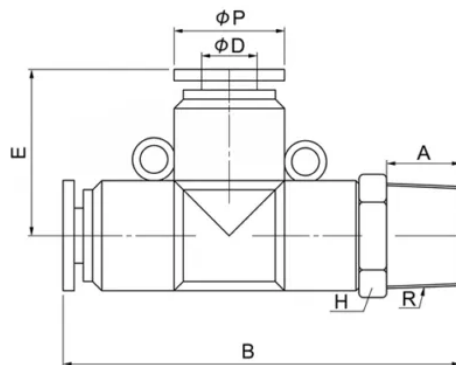
Typical Applications

- Pneumatic automation systems and air distribution pipelines.
- Industrial machinery and packaging equipment.
- Robotics, assembly lines and compact routing layouts.
- Compressed-air systems requiring multi-line distribution.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Type	Pneumatic fitting
Structure	T-type side threaded branch tee fitting
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Maximum Operating Pressure	0–0.9 MPa (0–9.2 kgf/cm ²)
Ambient and Fluid Temperature	0–60°C
Applicable Tubing	PU tube and nylon tube
Connection	Two tube ports with one side male thread

Dimension Drawing



Symbols: D = tube O.D.; E = overall height; B = overall length; P = port diameter; A = threaded-end length; R = male thread; H = hex width.

Model Selection and Dimensions

Model	D × 2	E	B	P × 2	A	R	H
PD4-M5	4	18	39.5	11	3.5	M5	10
PD4-01	4	18	43	11	7	R1/8	10
PD4-02	4	18	44	11	8	R1/4	14
PD6-M5	6	20	43.5	13	3.5	M5	12
PD6-01	6	20	47	13	7	R1/8	12
PD6-02	6	20	48	13	8	R1/4	14
PD6-03	6	20	49	13	9	R3/8	17
PD6-04	6	20	50.5	13	10	R1/2	21
PD8-01	8	22	50.5	15	7	R1/8	14
PD8-02	8	22	51.5	15	8	R1/4	14
PD8-03	8	22	52.5	15	9	R3/8	17
PD8-04	8	22	54	15	10	R1/2	21
PD10-01	10	26	58	18.5	7	R1/8	17
PD10-02	10	26	59	18.5	8	R1/4	17
PD10-03	10	26	60	18.5	9	R3/8	17
PD10-04	10	26	61.5	18.5	10	R1/2	21
PD12-01	12	28	62	21	7	R1/8	19
PD12-02	12	28	63	21	8	R1/4	19
PD12-03	12	28	64	21	9	R3/8	19
PD12-04	12	28	65.5	21	10	R1/2	21
PD14-02	14	31	68.5	23	8	R1/4	22
PD14-03	14	31	69.5	23	9	R3/8	22
PD14-04	14	31	70.5	23	10	R1/2	22
PD16-02	16	33	73	25.5	8	R1/4	24
PD16-03	16	33	74	25.5	9	R3/8	24
PD16-04	16	33	75	25.5	10	R1/2	24
PD16-06	16	33	77	25.5	12	R3/4	27

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm the tube outside diameter and thread size match the selected PD model.
- Cut tubing squarely and remove burrs, dust and damage before insertion.
- Push the tube fully into the fitting until it reaches the internal stop.
- Use suitable thread sealant if needed and keep sealant away from the airflow passage.
- Tighten the threaded section using the hex portion and avoid twisting the plastic body directly.
- Pressurize gradually after installation and inspect all connections for leakage.
- For tube removal, depress the release ring evenly and withdraw the tube straight out.

Ordering Information

Specify the model number, tube outside diameter, thread type and quantity when ordering. OEM and ODM options may include alternative thread standards, tube sizes, sealing materials, packaging and branding, subject to production confirmation.

Source note: Product images and core product information are based on the HOMIPNEU product page. Technical specifications, model data and the dimension drawing are provided as a general technical reference only. Final dimensions, materials, thread standards and production details should be confirmed before ordering.

Contact Information

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