

PKD Threaded Five-Way Reducer Pneumatic Fitting

Threaded five-way reducer for multi-branch air distribution and tube size conversion



Product Overview

The HOMIPNEU PKD fitting is a threaded five-way reducer designed to distribute compressed air through multiple tube branches while supporting tube size conversion. Its compact connector body combines push-to-connect tube ports with a threaded mounting connection, helping reduce the number of separate fittings and simplify pneumatic layouts. The series is suitable for PU and nylon tubing and is intended for automation equipment, panels, manifolds and machinery requiring organized multi-line air distribution.

Item	Specification	Item	Specification
Structure	Threaded five-way reducer	Operating Fluid	Air
Tube O.D.	4-12 mm	Working Pressure	0-1.0 MPa
Thread Options	M5, R1/8, R1/4, R3/8, R1/2	Temperature	0-60 C
Applicable Tube	PU tube / nylon tube	Mounting	Push-to-connect + thread

Key Features

- Five-way multi-branch connection design for compact air distribution.
- Reducer structure supports different tube sizes in one pneumatic circuit.
- Threaded mounting provides stable installation in equipment and manifolds.
- Push-to-connect tube ports support fast assembly without special tools.

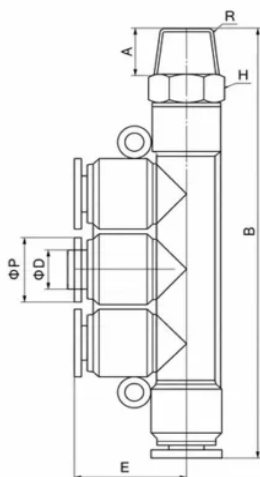
Typical Applications

- Pneumatic control systems and multi-branch air distribution.
- Industrial automation equipment and compact tube routing.
- Machinery requiring tube size conversion and multiple outlets.
- Panel and manifold installations with a threaded mounting point.

Technical Specifications

Parameter	Specification
Product Type	Pneumatic fitting
Structure	Threaded five-way reducer
Connection	Tube-to-thread / tube-to-tube
Branch Type	Five-way air distribution
Installation	Push-to-connect + threaded mounting
Material	Engineering plastic / metal thread
Operating Fluid	Air
Working Pressure	0-1.0 MPa
Temperature Range	0-60 C
Applicable Tubing	PU tube / nylon tube

Dimension Drawing



Symbols: D = tube outside diameter; B = overall length; E = branch projection; P = port outside diameter; A = threaded-end length; R = male thread; H = hexagon width.

Model Selection and Dimensions

Model	D x 4	B	E	P x 4	A	R	H
PKD4-M5	4	61.5	17.5	11	3.5	M5	10
PKD4-01	4	65	17.5	11	7	R1/8	10
PKD4-02	4	66	17.5	11	8	R1/4	14
PKD6-M5	6	69	19.5	13	3.5	M5	12
PKD6-01	6	72.5	19.5	13	7	R1/8	12
PKD6-02	6	73.5	19.5	13	8	R1/4	14
PKD6-03	6	74.5	19.5	13	9	R3/8	17
PKD6-04	6	76	19.5	13	10	R1/2	21
PKD8-01	8	82	22.5	15	7	R1/8	14
PKD8-02	8	83	22.5	15	8	R1/4	14
PKD8-03	8	84	22.5	15	9	R3/8	17
PKD8-04	8	85.5	22.5	15	10	R1/2	21
PKD10-01	10	93	24.5	18.5	7	R1/8	17
PKD10-02	10	94	24.5	18.5	8	R1/4	17
PKD10-03	10	95	24.5	18.5	9	R3/8	17
PKD10-04	10	96.5	24.5	18.5	10	R1/2	21
PKD12-01	12	105.5	27.5	21	7	R1/8	19
PKD12-02	12	106.5	27.5	21	8	R1/4	19
PKD12-03	12	107.5	27.5	21	9	R3/8	19
PKD12-04	12	109	27.5	21	10	R1/2	21

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm tube outside diameter and thread size before selecting the PKD model.
- Cut tubing squarely and remove burrs, dust and surface damage before insertion.
- Push each tube fully into the release ring until it reaches the internal stop.
- Use suitable thread sealant when required and keep sealant outside the airflow passage.
- Tighten the threaded section with the hexagonal portion; do not twist the plastic body directly.
- Pressurize gradually after installation and inspect every tube and threaded connection for leakage.
- To remove tubing, depress the release ring evenly and withdraw the tube straight out.

Ordering Information

Specify the PKD model, tube outside diameter, thread type and quantity. OEM and ODM options may include alternative tube combinations, thread standards, material selections, packaging and branding, subject to production confirmation.

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

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com

Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>