

PEG Reducing Tee Pneumatic Fitting Push-to-Connect Connector



Product Overview

PEG pneumatic fittings are T type reducing tee push-to-connect air tube connectors for connecting pneumatic tubes of different diameters while branching airflow in compressed air systems. The unequal tee structure helps combine pipe size conversion and air distribution in compact pneumatic layouts.

Key Features

- T type reducing tee design for unequal diameter tube connection.
- Push-to-connect installation without special tools.
- Airflow branching with tube size conversion in one fitting.
- Leak-resistant O-ring sealing structure for compressed air use.
- Suitable for PU tube and nylon tube pneumatic pipelines.

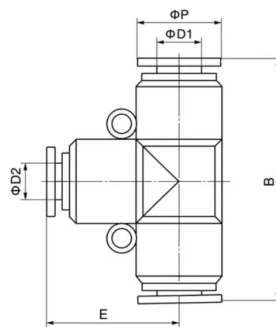
Applications

- Pneumatic automation systems.
- Air compressor pipelines and compressed air distribution.
- Industrial machinery and equipment tube routing.
- Mixed tubing systems requiring branch connection and diameter reduction.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Product Type	Pneumatic fittings, reducing tee push-to-connect connector
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Max. Operating Pressure	0 to 0.9 MPa (0 to 9.2 kgf/cm ²)
Ambient and Fluid Temperature	0 to 60 deg C
Applicable Tubing	PU tube, nylon tube
Connection Style	T type reducing tee, three-way tube connection

Model Selection and Dimensions



Model	D1 x 2	D2	B	P x 3	E
PEG6-4	6	4	40	13	19
PEG8-6	8	6	44	15	21.5
PEG8-4	8	4	44	15	21
PEG10-8	10	8	52	18.5	25
PEG10-6	10	6	52	18.5	25
PEG12-10	12	10	56	21	27.5
PEG12-8	12	8	56	21	26.5
PEG14-12	14	12	62	23	30
PEG14-10	14	10	62	23	30
PEG16-14	16	14	66	25.5	32.5
PEG16-12	16	12	66	25.5	32

Unit: mm. Dimensions are for model selection reference.

Product Function

PEG reducing tee fittings split airflow into two directions while connecting different tube diameters. Compared with a standard equal tee, the reducing tee provides branch distribution and size transition in a single compact component, reducing extra adapters in pneumatic pipe layouts.

Product Structure and Size Range

- Available model range includes PEG6-4, PEG8-6, PEG10-8, PEG12-10, PEG14 series and PEG16 series.
- Tube size range covers 4 mm to 16 mm pneumatic tubing.
- Unequal tee structure supports three-way connection with diameter reduction.
- Compact push-in body design is suitable for dense pneumatic piping layouts.

Installation and Operating Notes

- Cut the tube end squarely and remove burrs before insertion.
- Push the tube fully into the fitting until it reaches the internal stop.
- Keep the working pressure and temperature within the specified range.
- Use clean compressed air and avoid excessive side load on the tube connection.
- To release the tube, press the release sleeve evenly and pull the tube out straight.

Why Choose HOMIPNEU

- Full reducing tee size range for pneumatic automation projects.
- OEM and ODM support for tube size combinations, material selection and branding.
- Reliable production control for global B2B pneumatic component supply.
- Fast delivery support for distributors, machine builders and maintenance users.

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