

- Very compact units
- Easy tube insertion for rapid assembly of pneumatic circuits
- Positive tube anchorage
- Simpler pneumatic systems
- Eliminates need for electrical reed switches



### Technical Data

Medium:

Compressed air

Operating Pressure:

Cylinder pressure (Pc) 10 bar max

Sensor supply pressure 3 - 10 bar

Sensor switch pressure 1.0 bar typ.

Operating Temperature:

-20°C to +80°C

Body Ports

4mm Push-in Fittings

5/32" Push-in Fittings

1/8, 1/4 BSPP Banjo Bolt

1/8, 1/4 NPTF Banjo Bolt

### Tube Sizes

4mm O/D

5/32" O/D

### Tubing Types:

Nylon 11 or 12, polyurethane and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, Part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49-100

### Materials

Delrin 100 and plastic parts

Glass filled nylon

Nickel plated brass collet

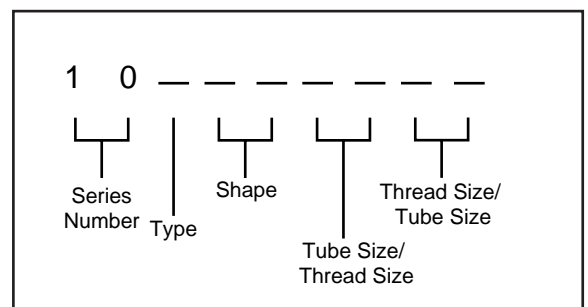
Nitrile and polyurethane elastomeric parts

Nickel plated brass banjo bolt

### Ordering Information

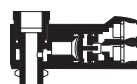
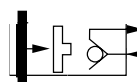
To order, quote appropriate product number from the tables on the following pages.

Product numbering system is designed to make identification and selection simple:



102GD

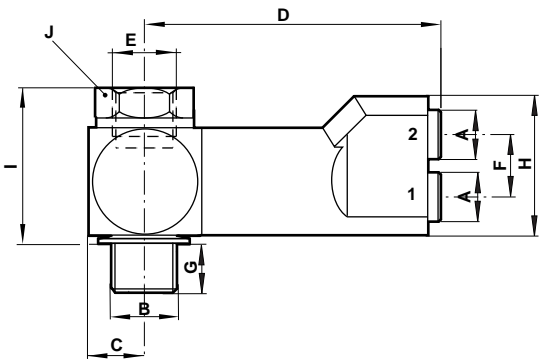
124GD





Pressure Sensor Fitting- 102GD

PIF x BSPP Banjo Bolt



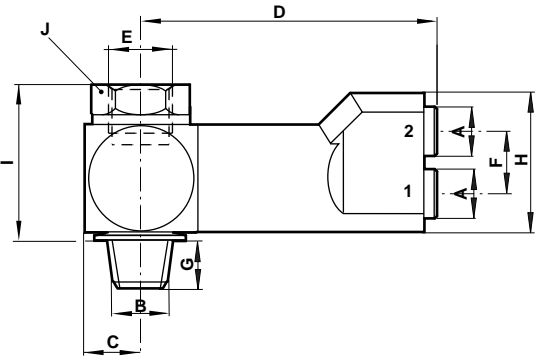
Product number	A O/D tube	B thread BSPP	C	D	E thread BSPP	F	G	H	I	J A/F
102GD0418	4	$\frac{1}{8}$ "	8,5	45,2	$\frac{1}{8}$ "	9,5	5,6	21,0	24,9	15
102GD0428	4	$\frac{1}{4}$ "	10,5	47,2	$\frac{1}{4}$ "	9,5	6,5	21,0	29,0	19

This sensor fitting produces an end of stroke signal when exhaust back pressure in a cylinder decays below a set value. It should be mounted directly on the cylinder and can be used with a flow control device mounted into the top port.

It is recommended that the sensor supply pressure to port 1 be the same as the nominal working pressure of the cylinder.

Pressure Sensor Fitting- 124GD

PIF x NPTF Banjo Bolt



Product number	A O/D tube	B thread NPTF	C	D	E thread NPTF	F	G	H	I	J A/F
124GD0218	$\frac{5}{32}$ "	$\frac{1}{8}$ "	8,5	45,2	$\frac{1}{8}$ "	9,5	9,5	21,0	28,5	$\frac{9}{16}$ "
124GD0228	$\frac{5}{32}$ "	$\frac{1}{4}$ "	10,5	47,2	$\frac{1}{4}$ "	9,5	14,3	21,0	33,7	$\frac{3}{4}$ "

This sensor fitting produces an end of stroke signal when exhaust back pressure in a cylinder decays below a set value. It should be mounted directly on the cylinder and can be used with a flow control device mounted into the top port.

It is recommended that the sensor supply pressure to port 1 be the same as the nominal working pressure of the cylinder.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under 'Technical Data'. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. **System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.** System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products where applicable.