



Silicone Rubber Ducts

Data Sheet



Silicone Rubber Ducts

Large Diameter silicone rubber ducts have been developed as a part of a range of flexible connectors ducts and hoses to make the joining of similar sized pipes simple. Lighter than stainless steel tubes and flexible they make a convenient means of connecting components together with fewer joints and overcome misalignment problems.

Materials

Virgin translucent silicone rubber compliant to CFR(FDA) standard 177.2600 and USP class VI. (Certificate supplied with each duct). The ducts have a multiply construction for long life with fully embedded polyester mesh for added durability. Total wall thickness 3.5mm.

Vibration

The ducts will absorb vibrations making them ideal for feeding vibrating equipment.

Method Of Use

Ducts are attached to plain ended tubes or standard quick release ferrules using band clamps.

Coping with Misalignment

The ducts have been designed to compensate for reasonable levels of misalignment in all planes.

Visible Powder Flow

As the ducts are translucent, powder flow within the duct is visible.

Blockage & Height Sensing

As the duct can be externally manipulated powder blockages can be easily dislodged. Powder height within the tube can be sensed using a capacitive sensor located outside the duct to eliminate product contact.



Connection Systems

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Band Clamps

Adjustable band clamps with over-centre latches available to make a neat and elegant connection. Made from grade 304 stainless steel. Bright polish finish.

Earthing

Where earth continuity is important or needs to be proved we offer ducts with fully embedded earthing conductors. These are exposed at the ends and tucked against the metal ferrule to provide earth continuity with the end fittings. Each duct has two conductors to ensure reliability and can be produced bonded to the ferrule and clamped and certified to confirm continuity.

Ferrules

The ducts are designed to work with standard quick release ferrules. Ferrules provided by Connection Systems will be to standard BS4825 Part 3. See Table for length. A matching ferrule gasket and clamp will be required for the equipment to each side of the duct.



Part No	300	250	200	150	100
Plain	F005073	F005069	F005070	F005071	F005072
With earthing conductor	F005112	F005111	F005110	F005109	F005108
Ferrule Part No	000044	000043	000041	000039	000031
Ferrule Height	28mm	28mm	28mm	21mm	21mm
Ferrule Clamp Part No	004586	004585	004584	004583	003427
Band Clamp Part No	F003311	F003310	F003309	F003308	F003307

Hoses are available as standard in lengths of 1m or 2m.

Ducts with earthing bonds will be supplied to custom length requirements - Add length in mm to part no.

Example Purchase Order:

150m Duct + total height = 554mm / Part No = **F005109-554**

Certificate provided with each piece to conform conformity to FDA standards.

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