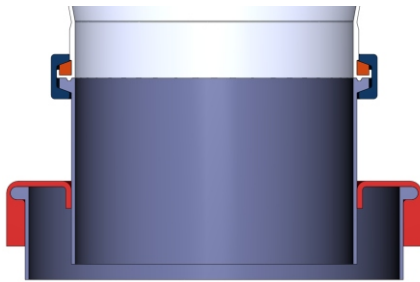


Dust Cap Seals

Data Sheet



Dust Cap Seals



Dust Cap Seal shown in red



Dust Cap Seals

Dust Cap Seals have been developed as a part of a range of flexible connectors to make the production of dust tight joints simple and effective.

Method of Use

The seal is positioned on a mounting ring to hold it in place and a hole cut in the middle smaller than the size of the pipe to be used to deliver the powder.

Pushing the pipe through the seal turns the edge down to create a tight seal around the pipe.

Vibration

Absorbs vibrations and ideal for feeding vibrating equipment.

Weighing

Due to their flexibility the seals are ideal for feeding applications to weighing systems.

Materials

Available in mid blue and translucent silicone rubber. Both colours are compliant to CFR(FDA) standard 177.2600.

Longevity

Our seals are made from special cross linked polymers to ensure long life. We have tested the seals with more than 100,000 operations to ensure that they are stable and do not rip or shed.

Connection Systems

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Coleshill, Warwickshire. U.K. B46 1JH

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www.connectionsystems.co.uk

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Dust Cap Seals

Fitting of Seals

The seals are deliberately made under size to ensure a dust tight fit to the mounting ring.

Tolerant

Concentricity of the pipe and seal is desirable but the seals will compensate for misalignment of up to 10mm.

Over-pressure

When mounted correctly on our mounting rings the seals are able to with stand up to 0.25Barg over-pressure thus ensuring a dust tight seal even when product is first dropped into the receiving container.

Inlet Pipe Dimensions

The diameter of the inlet pipe (D1) compared with the seal size is dependent upon use. To allow the seal to work properly the pipe (D1) should have a diameter at least 50mm smaller than D2

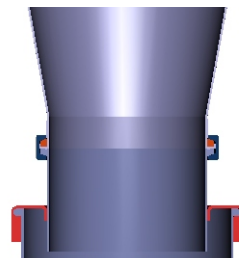
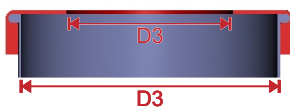
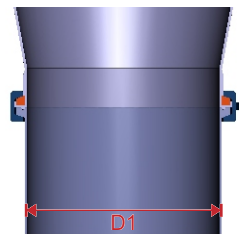
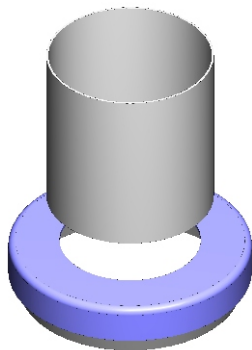
For weighing applications or where one of the components is being vibrated we recommend that you use the largest possible seal to provide the greatest flexibility.

Cut Hole Size

Typically the hole cut in the seal (D3) needs to be approx 30mm undersize. Where the in-feed pipe is likely to be eccentrically located the hole can be cut smaller to ensure a dust tight seal is maintained.

Mountings

We provide stainless steel mounting rings in Grade 316 Stainless Steel with correct rim diameter to receive the seal.



Dust Tight Seal Made



Mounting Rings

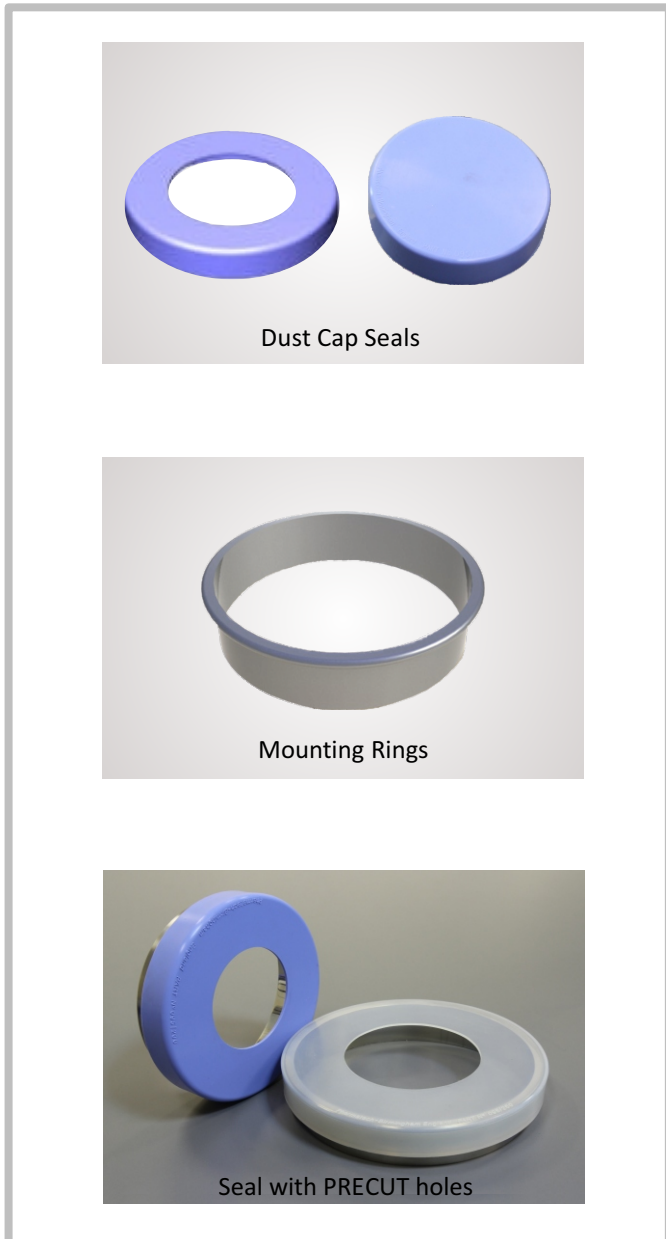
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Components

Dust Cap Seal sizes available

Dust Cap Seals are available in a variety of sizes. They are available in two colours - Blue & Translucent. Please see table below for part numbers and sizes.

Mounting Rings

made from grade 316 stainless steel with a high polish finish. Mounting rings have a solid rim welded to the body to match the recess on the dust cap seal. All mounting rings are 50mm high and certified.

Certification

Each seal is supplied sealed and labelled with a batch number. Certificate of Conformity can be downloaded from our website.

Hole Cutting

It is recommended that holes in the seals are die cut using a circular die. Cutting with trammels or hand cutting of holes can lead to rubber spicules at the cut edge which are dislodged when the seal is used. We recommend we cut holes for you unless you have a die cutter.

Holes are cut to the nearest 5mm-add diameter required after the B or T.

Part Nos & Details

| | 400 | 315 | 300 | 250 | 200 | 150 | 100 |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Part No | 095400 | 095315 | 095300 | 095250 | 095200 | 095150 | 095100 |
| Height of seal | 35mm | 35mm | 35mm | 35mm | 35mm | 35mm | 20mm |
| Maximum Inlet Ø | 350 | 275 | 250 | 200 | 150 | 100 | 50 |
| Overall Ø over seal | 432 | 341 | 327 | 277 | 227 | 176 | 114 |
| Mounting Ring Part No | 096400 | 096315 | 096300 | 096250 | 096200 | 096150 | 096100 |

Seals are available in Blue or translucent - add B or T after the part number. Add /xxx to have a hole cut in the seal for you.

Example Purchase Order:

250mm Translucent seal with 170mm hole = 095250/T/170

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