

flexible connections



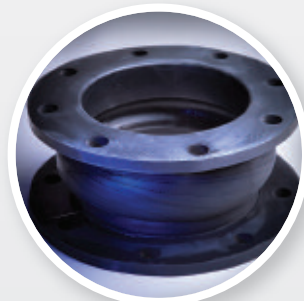
DUCTING AND HOSE

An extensive range of ducting and hose is available from stock from light duty dust and fume extraction ducting to heavy wall material handling hose. We also stock food grade clear PVC suction and delivery hose for fluid and powder handling along with medium duty highly flexible polyurethane ducting for food processing.



STAINLESS STEEL BELLOWS

Stainless steel bellows are extensively utilised where either temperature, pressure or media prevent the use of rubber bellows. Each bellows is manufactured to customer requirements including length, pressure, end termination and movement requirements. A variety of designs can be produced for specific conditions with standard methods. A wide range of end terminations are optional including fixed and swivel flanges, stub pipes, male and female thread and copper stubs.



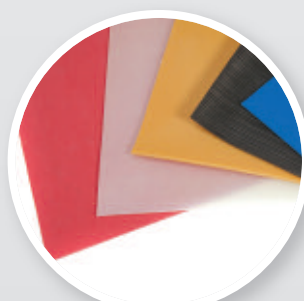
HAND BUILT RUBBER BELLOWS

For instances where standard moulded rubber bellows are not suitable, a range of bespoke hand built rubber bellows are available to order. These bellows combine a full rubber faced flange with split backing flanges and are purpose built to customer requirements. Liner materials include EPDM, Nitrile, Hypalon, abrasive resistant natural and food quality rubbers. Other options such as filled arch, conical connectors and twin arch bellows for greater movement are all available.



MANDREL BUILT RUBBER HOSE

We supply a wide range of specialised heavy duty mandrel built rubber hoses offering a smooth bore with a lining selected to suit the conveyed materials. An embedded wire helix provides protection against vacuum conditions where required. Other options include plain or enlarged cuffed ends, integral rubber flanges with steel backing flanges.



RUBBER SHEETING

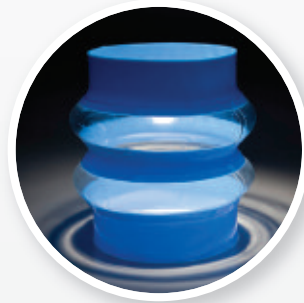
A large selection of rubber and sponge sheeting including various white food grade compounds, para, insertion and commercial rubbers are all available from stock. Sponge can be supplied plain or with a self adhesive backing.





FlexAtex™

FlexAtex™ are flexible sleeves and bellows manufactured from FDA & ATEX rated clear polyurethane designed to be easily and quickly installed using Jacob™ fixings with no tools required. Each flexible is bespoke manufactured to specific sizes and lengths whether straight, conical or convoluted for load cell and weighing applications.



WELDED POLYURETHANE & PVC FLEXIBLE

High frequency welded polyurethane connectors can be manufactured in crystal clear, black or blue materials to suit each application. Flexibles can be produced with a full FDA & ATEX rating and can incorporate designs such as flanged ends, conical sleeves, convoluted bellows, internal flow-sleeves and square to round connectors.



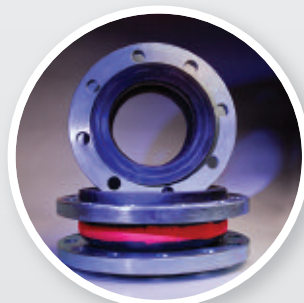
MANDREL BUILT RUBBER SLEEVES

Mandrel built sleeves consist of a seamless rubber tube produced with a smooth internal finish and cloth-mark outer cover. A full range from 2" to 20" diameter with a 1/8" wall are available from stock in abrasion resistant Para rubber and FDA white food quality rubber. Other rubber compounds and wall thickness available upon request.



CONVOLUTED STAINLESS STEEL & PTFE HOSES

Convoluted stainless steel and PTFE lined hoses offer a reliable solution to absorb vibration and pipe misalignment, especially where pressures are involved. Good physical strength enables high operating temperatures and pressures. Pressure containment is ensured by up to three plies stainless steel wire over braid. Each hose can be manufactured with fully swaged screwed or flanged end fittings.



MOULDED RUBBER BELLOWS

We offer a wide range of rubber bellows for noise and vibration isolation. Bellows are available from stock for pressure systems of up to 16 bar from 1" to 16" diameters. Each unit is supplied with steel flanges drilled to suit. For sizes up to 2" diameter, bellows are also available with BSP screwed ends. Rubber lining compounds include EPDM, Nitrile, Hypalon, Viton and white food grade Nitrile.



HAND-FABRICATED RUBBER SLEEVES & CONNECTORS

Hand-fabricated sleeves and flexible connectors are manufactured from rubber sheet with bonded seams. Each connector can be produced to any given dimensions as a straight or conical sleeve, flanged connectors both circular and rectangular. Available rubber materials:

FDA food grade rubbers:

- White Neoprene
- White Silicone
- Blue Nitrile
- White Natural
- White Nitrile
- Blue Metal-Detectable Rubber
- White Linaplus
- White EPDM
- Blue Silicone

Other materials:

- Tan Para
- Black Neoprene
- Red Linatex
- Black EPDM
- Black Natural



HIGH TEMPERATURE FABRIC SEALS

High temperature fabric seals cover a variety of applications from simple spigot connectors to high temperature boiler seals, utilising the heat resistance capabilities of glass cloths and ceramics. Movements in all planes can be accommodated. At the higher end of the temperature scale insulation bolsters are incorporated into the design offering working temperatures up to 1000°C. Typical application examples include boiler flues and chimneys, fan connectors, penetration seals and gas turbine exhausts.



GASKETS

We manufacture gaskets from a comprehensive range of natural and synthetic materials. Stock materials are as follows:

Elastomers:

- EPDM
- Para
- Natural
- Silicone
- Neoprene
- Viton
- Nitrile

Other materials:

- Asbestos free
- Graphite
- PTFE
- Brass taylor rings
- Gylon
- PVC
- Cork
- Leather
- Spiral wound
- Felt
- Polyurethane



STITCHED BELLOWS

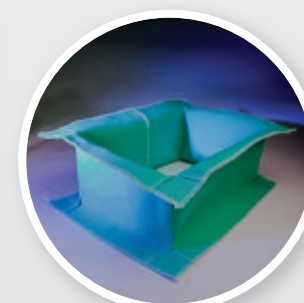
Stitched fabric bellows can be manufactured from a number of fabrics to suit specific applications. These highly flexible bellows can be used to prevent the ingress of contaminant onto screw threads and hydraulic rams or where large movements are required. We can incorporate zips to allow retro fitting to equipment.



SIEVE SPARES

We manufacture the following products for sieving machines:

- Convoluted screen bellows
- Filter bags
- Rubber screen balls
- Triangular tray cleaners
- 'U' & Tadpole screen gaskets



FABRIC CONNECTORS & FILTER BAGS

Individually made to customer requirements, fabric sleeves, flanged connectors and filter bags can be manufactured from a large variety of stock materials. Applications such as load cell weighing systems, fan connectors and product transfer can all be catered for. We are always pleased to give advice on design and material selection. Some of the most used fabrics are listed below:

- Aluminium glasscloth
- Needlefelt
- PVC coated polyester
- White and blue breathable nylon
- White silicone coated Kevlar
- Anti static needlefelt
- Neoprene nylon or glasscloth
- Sanforised cotton
- White and blue polyurethane coated nylon
- Green canvas
- PTFE glasscloth
- Silicone glasscloth