

MCSEALS CC

Specialist Supplier of
Conveyor Idler Components
Industrial Bearings &
Industrial Products

BULK MATERIALS HANDLING & PROCESSING INDUSTRIES

About Mcseals

Mcseals is a leading South African company specializing in the supply of high-quality conveyor idler components, bearings, rubber and industrial products to the bulk materials handling and processing industries.

With over 40 years of experience, we have established ourselves as a trusted partner for major manufacturers both locally and internationally.





Our History.

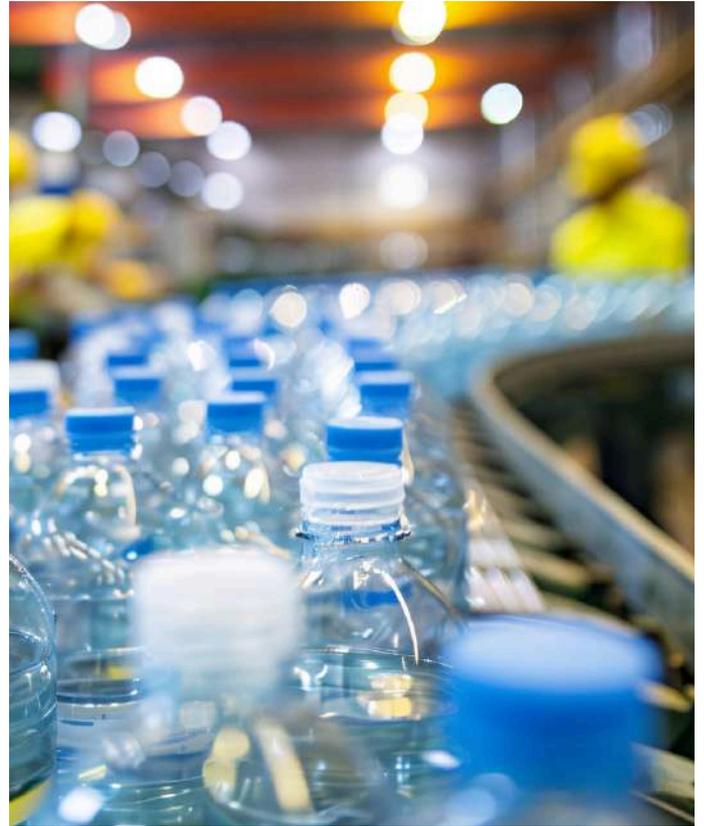
Founded in 1982 by Walter Mckenzie, Mcseals has built a strong reputation for delivering exceptional service and products.

Our journey began with a focus on supplying idler conveyor components and over the years, we have expanded our product range to include various rubber mouldings and industrial products.

Our Vision.

At Mcseals, we are passionate about being the preferred supplier of high-quality engineered conveyor idler components, rubber and industrial products.

We strive to provide the best service possible, exceeding our customers' expectations and building long-lasting relationships.



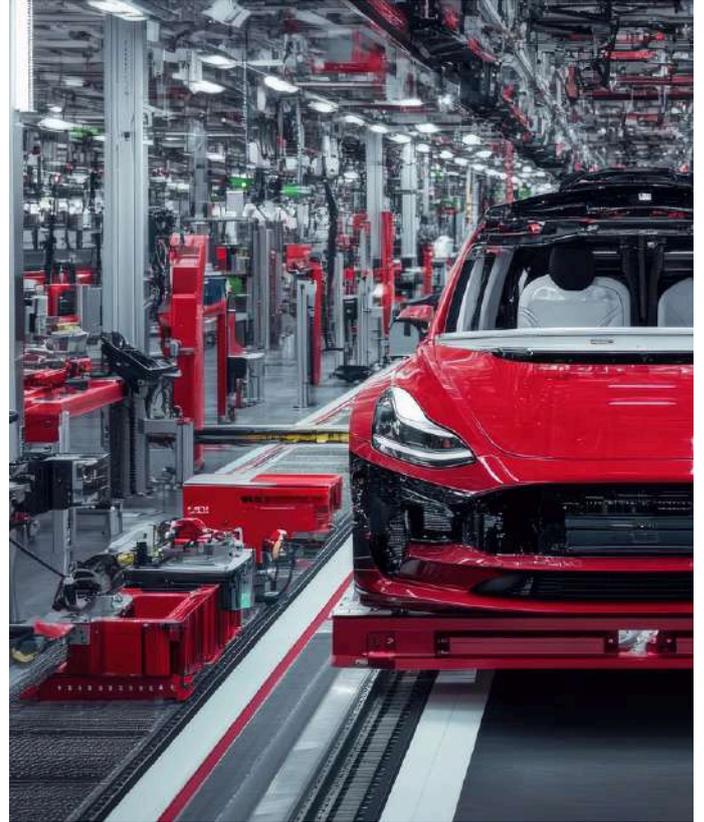
Our Products Include:

- Conveyor Idler/Roller Components
- Industrial Bearings and Seals
- Rubber Products
- Industrial Products

Our Scope of service

With over 40 years of experience in bulk materials handling and processing components, we have established ourselves as a trusted partner both locally and internationally in the mining, automotive, agriculture and manufacturing sectors.





Committed To Excellence

Mcseals is committed to delivering high quality products that meet strict quality control processes.

We are proud to have built partnerships with premium manufacturers.

Accreditations

- All steel housings made to SABS specifications.
- All plastic components manufactured to strict ISO quality standards.
- All rubber products are manufactured to strict ISO quality standards.

We are a leading South African company specializing in the supply of high-quality conveyor idler components to the bulk materials handling and processing industries. We operate across Southern, Central and Northern Africa with a vision to expand globally.





Plastic Bearing Housings

Plastic Bearing Housings

Plastic bearing housings are manufactured in polypropylene, nylon, fibre filled nylon and high impact nylon material (moulded with copper wire earth for steel tubing)

- **MS0042:** 50mm Plastic Bearing Housing
- **MS0403:** 89mm Plastic Bearing Housing for 20mm or 25mm Shaft
- **MS0007:** 101mm Plastic Bearing Housing for 20mm or 25mm Shaft
- **MS0004:** 127mm Plastic Bearing Housing for 25mm Shaft
- **MS0513:** 127mm Fixed Face Plastic Bearing Housing for 25mm Shaft to Suit HDPE Pipe
- **MS0357/S:** 25mm Rocker Seal to Suit MS0513 Housing
- **MS0505:** 127mm Fixed Face Plastic Bearing Housing for 25mm Shaft to Suit Steel Pipe
- **MS0506:** 25mm Rocker Seal to Suit MS0505 Housing
- **MS0185:** 127mm Plastic Bearing Housing for 25mm Shaft to Suit HDPE Pipe
- **MS0501:** 127mm Plastic Bearing Housing for 30mm Shaft
- **MS0008:** 127mm Plastic Bearing Housing for 25mm Shaft to Suit HDPE Tube
- **MS0447:** 114mm Plastic Bearing Housing for 25mm Shaft
- **MS0234:** 25mm Lip Seal to Suit MS0447
- **MS0236:** 152mm Plastic Bearing Housing for 25mm Shaft
- **MS0448:** 152mm Plastic Bearing Housing for 30/35mm Shaft
- **MS0449:** 30/35mm Rocker Seal to Suit MS0448 Housing
- **MS0543:** HDPE Sleeve to suit 40 Shaft





Conveyor Idler Labyrinth Seals

Conveyor idler Labyrinth Seals

Conveyor labyrinth seals are an essential component for each roller. The different types of labyrinth seals prevent sand, dust, moisture etc. to enter the interior of the cushioning roller, but also extends the life of the roller.

20 Series to Fit a 20mm Shaft:

- MS0171: 20mm Triple Labyrinth Seal

25 Series to Fit a 25mm Shaft:

- MS0170: 25mm Triple Labyrinth Seal
- MS0263: 25mm Double Labyrinth Seal
- MS0241: 25mm 5-Part Labyrinth Seal

30 Series to Fit a 30mm Shaft:

- MS0126: 30×72 Triple Labyrinth Seal
- MS0483: 30×62 Triple Labyrinth Seal

35 Series to Fit a 35mm Shaft:

- MS0127: 35mm Triple Labyrinth Seal

40 Series to Fit a 40mm Shaft:

- MS0214: 40mm Triple Labyrinth Seal

60 Series to Fit a 60mm Shaft:

- MS0437: 60mm Triple Labyrinth Seal





Conveyor Idler Dust Covers

Conveyor Idler Dust Covers

Dust covers in the mining industry serve as protective barriers for shafts and equipment, guarding against the ingress of dust, debris, and other contaminants.

These covers help maintain the integrity of machinery components, prolonging their lifespan and ensuring optimal performance in rugged mining environments.

20 Series to Fit a 20mm Shaft:

- MS0011: 20mm Soft PVC Dust Cover
- MS0111: 20mm LDPE Dust Cover

25 Series to Fit a 25mm Shaft:

- MS0010: 25mm Soft PVC Dust Cover
- MS0110: 25mm LDPE Dust Cover
- MS0135: 25mm Hard PVC Dust Cover

30 Series to Fit a 30mm Shaft:

- MS0124: 30mm Dust Cover to Suit MS0126
- MS0483/04: 30mm Dust Cover to Suit MS0483

35 Series to Fit a 35mm Shaft:

- MS0125: 35mm Dust Cover

40 Series to Fit a 40mm Shaft:

- MS0217: 40mm Hard PVC Dust Cover

60 Series to Fit a 60mm Shaft:

- MS0438: 60mm Dust Cover to Suit MS0437

Customised designs and colours on request





Precision Idler Impact Rubbers

Precision Idler Impact Rubbers

Precision Impact rubbers are installed on the roller shell, which significantly soften the impacts at the loading points on the conveyor belt. They also reduce vibration which allows for the extension of the bearing assembly and conveyor belt. It comprises of wear-resistant and shock-absorbing rubber.

- **MS0099/A:** 108mm to Suit 57mm Pipe, 20mm Thickness
- **MS0100/A:** 108mm to Suit 57mm Pipe, 50mm Thickness
- **MS0037/A:** 133mm to Suit 57mm Pipe, 33.5mm Thickness
- **MS0425/A:** 133mm to Suit 76mm Pipe, 33.5mm Thickness
- **MS0445/A:** 133mm to Suit 89mm Pipe, 33.5mm Thickness
- **MS0375/A:** 152mm to Suit 57mm Pipe, 48.5mm Thickness
- **MS0418/A:** 152mm to Suit 76mm Pipe, 40.5mm Thickness
- **MS0419/A:** 152mm to Suit 89mm Pipe, 40.5mm Thickness
- **MS0413/A:** 152mm to Suit 101mm Pipe, 40.5mm Thickness
- **MS0407/A:** 159mm to Suit 101mm Pipe, 40.5mm Thickness
- **MS0700/A:** 150mm to Suit 90mm Pipe, 50mm Thickness
- **MS0701/A:** 152mm to Suit 98mm Pipe, 50mm Thickness
- **MS0702/A:** 152mm to Suit 110mm Pipe, 45mm Thickness
- **MS0703/A:** 165mm to Suit 114mm Pipe, 40.5mm Thickness
- **MS0704/A:** 178mm to Suit 95mm Pipe, 40.5mm Thickness
- **MS0705/A:** 178mm to Suit 110mm Pipe, 40.5mm Thickness
- **MS0706/A:** 178mm to Suit 114mm Pipe, 40.5mm Thickness
- **MS0707/A:** 152mm to Suit 55mm pipe, 50mm Thickness
- **MS0708/A:** 130mm to Suit 98mm pipe, 36mm thickness
- **MS0709/A:** 133mm to Suit 101mm pipe, 45mm thickness





Plastic Gravity Roller Components

Plastic Gravity Roller Components

Gravity Roller Components are integral parts of conveyor systems in various industrial settings, including warehouses, distribution centres, and manufacturing plants, to move, streamlining, sorting and packing operations, transporting goods on assembly lines, loading and unloading trucks at loading docks.

These components typically include bearing housings with bearings to support conveyor rollers, along with seals for shaft protection. They facilitate the smooth movement of goods or materials along the conveyor line, relying on gravity repulsion. Gravity roller components are designed for durability, efficiency and ensuring reliable operation in material handling applications.

- **MS0397:** 38mm Bearing Housing with 6002 2RS Bearing to Suit 1.6mm Tube
- **MS0398:** 50mm Bearing Housing with 6002 2RS Bearing to Suit 2mm Tube
- **MS0399:** 60mm Bearing Housing with 6002 2RS Bearing to Suit 2mm Tube
- **MS0400:** 63mm Bearing Housing with 6002 2RS Bearing to Suit 2mm Tube
- **MS0401:** 63.5mm Bearing Housing with 6204 2RS Bearing to Suit 2mm Tube
- **MS0402:** 76mm Bearing Housing with 6005 2RS Bearing to Suit 2mm Tube
- **MS0426/8:** 8mm Shaft Small Seal
- **MS0426/10:** 10mm Shaft Small Seal
- **MS0426/12:** 12mm Shaft Small Seal
- **MS0426/14:** 14mm Shaft Small Seal
- **MS0427/8:** 8mm Shaft Big Seal
- **MS0427/10:** 10mm Shaft Big Seal
- **MS0427/12:** 12mm Shaft Big Seal
- **MS0427/14:** 14mm Shaft Big Seal
- **MS0428/16:** 16mm Shaft Seal
- **MS0428/20:** 20mm Shaft Seal



Conveyor Idler Bearings

Conveyor idler Bearings

Conveyor idler bearings allow the rollers in a conveyor system to rotate smoothly, handling the system's load and speed. Selecting the right type depends on factors like the expected load, speed, and operating environment.

- **6304 2RS C3 for 20mm Shaft**
- **6205 2RS C3 for 25mm Shaft**
- **6306 2RS C3 for 30mm Shaft**
- **6207 2RS C3 for 35mm Shaft**
- **6308 2RS C3 for 40mm Shaft**
- **6312 2RS C3 for 60mm Shaft**
- **Various sizes on request**



Steel Bearing Housings

Steel Bearing Housings

Steel end caps are used for conveyor rollers in heavy-duty applications to provide superior strength, durability, and impact resistance. The specific type of steel end cap depends on the environmental conditions and the required load capacity.

- **MS0498/A:** 3 and a Half Inch to Suit 20 or 25mm Shaft Applications
- **MS0309/A:** 4 Inch to Suit 20 or 25mm Shaft Applications
- **MS0368/A:** 5 Inch to Suit 25mm Shaft Applications
- **MS0502/A:** 5 Inch to Suit 30mm Shaft Applications
- **MS0430/A:** 6 Inch to Suit 25mm Shaft Applications
- **MS0350/A:** 6 Inch to Suit 30mm Shaft Applications
- **MS0500/A:** 6 Inch to Suit 40mm Shaft Applications



External Circlips

External Circlips

For conveyor rollers, an external circlip - also known as a snap ring or retaining ring - is used to securely hold components like bearings on a shaft. It fits into a machined groove on the outer diameter of the shaft, preventing lateral movement and enabling parts to rotate smoothly.

- **20 Series for 20mm Shaft**
- **25 Series for 25mm Shaft**
- **30 Series for 30mm Shaft**
- **35 Series for 35mm Shaft**
- **40 Series for 40mm Shaft**
- **60 Series for 60mm Shaft**
- **Various sizes on request**

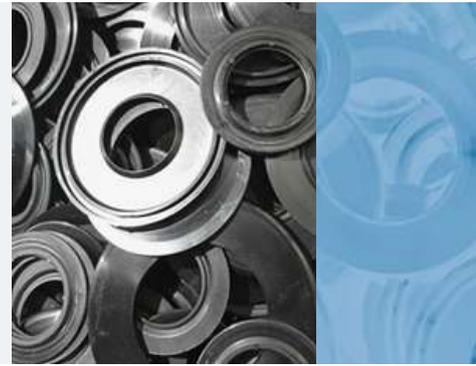


Grease Retainers

Grease Retainers

They are used when sealed bearings are not used to keep the grease from running out the bearing when the rollers get hot.

- **MS0153: 25×52 Grease Retainer**
- **MS0101: 25×72 Grease Retainer**
- **MS0429: 30×72 Grease Retainer**
- **MS0406: 40×90 Grease Retainer**



Steel Welsh Plugs

Steel Welsh Plugs

Steel Welsh plugs are manufactured from high quality automotive steel and are used to cover the outer ends of the conveyor frame.

- **Welsh 52: 52mm Steel Welsh Plug**
- **Welsh 76: 76mm Steel Welsh Plug**



Polypropylene Plugs and PVC Hats

Polypropylene Plugs and PVC Hats

PVC Hats are used to increase the shaft size from 25mm to 30mm. They are used when clients do not want to replace their 30mm slotted brackets. Polypropylene plugs are used to cap off the ends of the tube frames or blank off one side of a roller, a typical example would be a weighbridge.

- **MS0012: Hard PVC Hat**
- **MS0343: 52mm Small Polypropylene Plug**
- **MS0342: 69mm Large Polypropylene Plug**
- **MS0392: 55mm Large Polypropylene Plug**





Industrial Bearings & Seals

Industrial Bearings & Seals

Industrial bearings are crucial components that reduce friction and allow for smooth motion in machinery, while seals protect the bearings by preventing contamination and retaining lubrication. The right bearing and seal combination for a specific application depends on factors like load type, speed, operating environment, and precision requirements.

- **Deep groove ball bearings**
- **Angular contact ball bearings**
- **Self-aligning ball bearings**
- **Spherical roller ball bearings**
- **Cylindrical roller bearings**
- **Thrust ball bearings**
- **Tapered bearings**
- **Ball bearing units**
- **Various Seals**
- **Bearing Accessories**





Rubber Products

Rubber Products

Mcseals offers standard rubber product lines as well as custom-moulded rubber products to various customers in the industrial sectors, such as mining, automotive, agriculture and manufacturing.

- **Precision Impact Rubbers**
- **Rubber Hoses**
- **Industrial Rubber Products**
- **Automotive Rubbers**





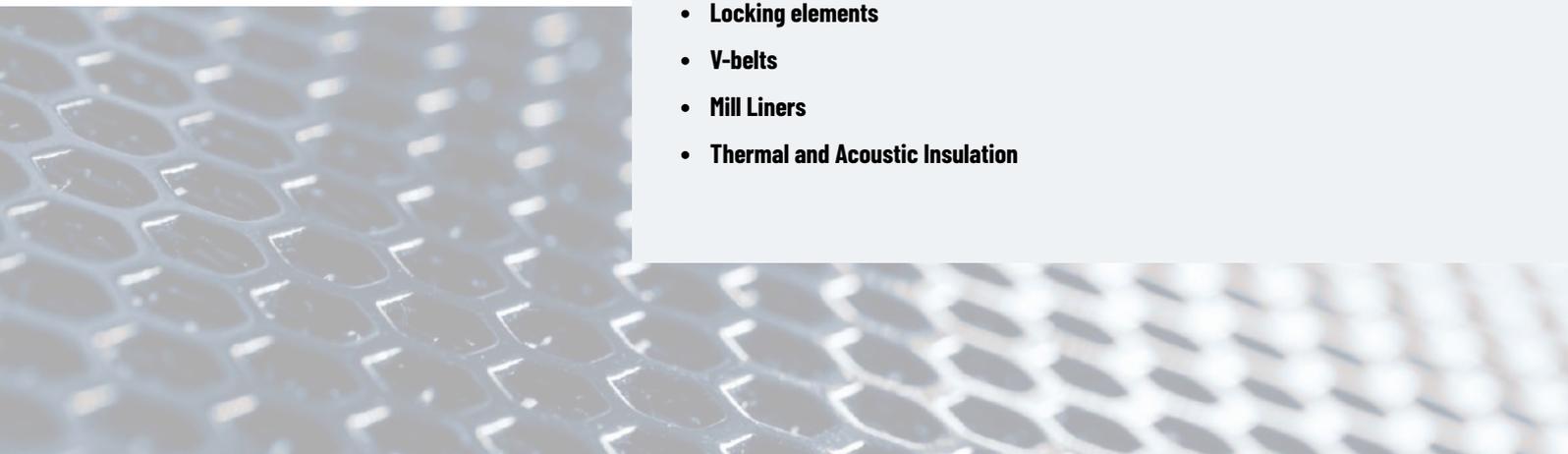
Industrial Products

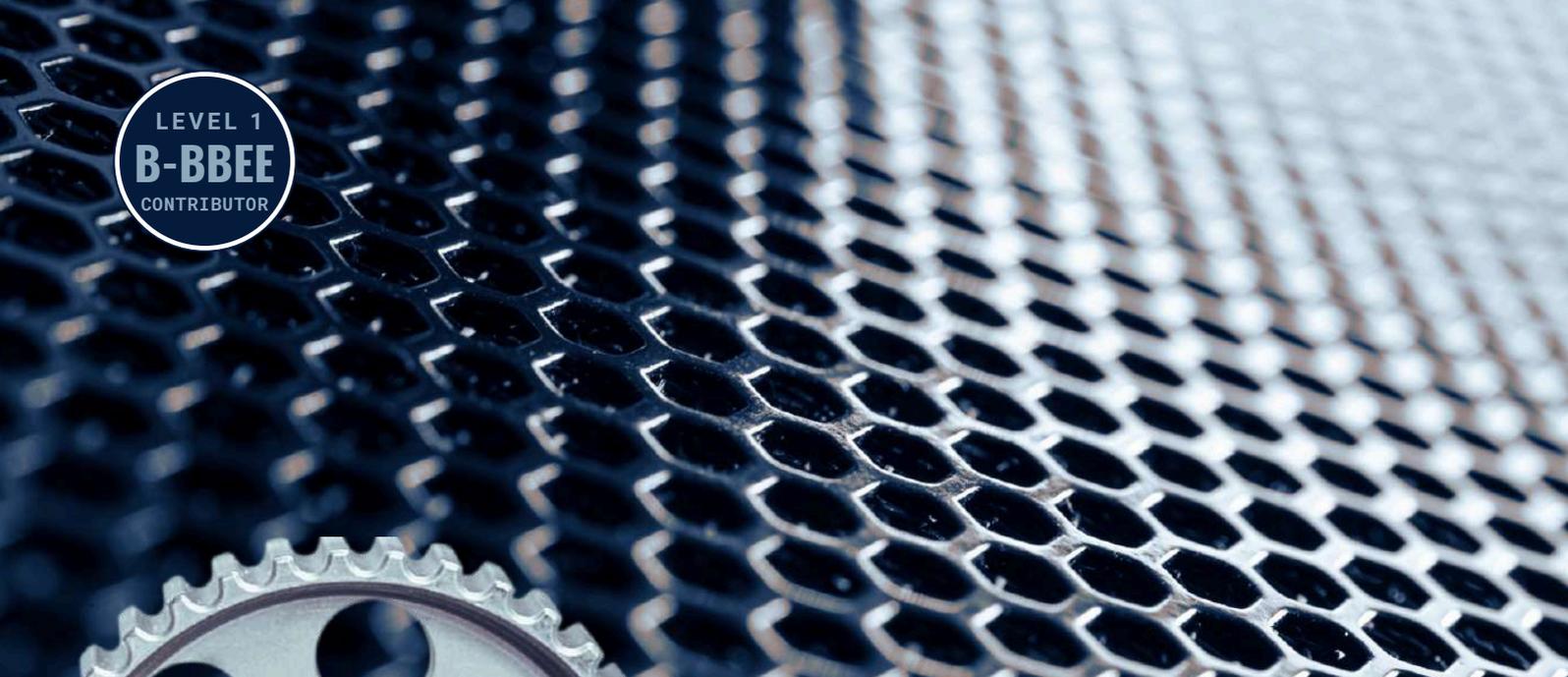
Industrial Products

Mcseals can source and supply everything from basic consumables (lubricants, fasteners, cleaning supplies) and raw materials (chemicals, metals) to specialized equipment (machinery, tools, power tools) and personal protective equipment (PPE).



- **Machinery & Equipment:** Welding machines and material handling equipment.
- **Tools:** Hand tools, power tools and precision measuring equipment.
- **Safety Gear:** Safety helmets, gloves and other protective equipment.
- **Consumables:** Lubricants, cleaning products and packaging materials.
- **Materials:** Raw materials like chemicals and metals, as well as fasteners and plumbing materials.
- **PPE - Personal Protective Equipment**
- **Vulcanizing material**
For fabric and steel cord reinforced belts
- **Adhesive Systems**
- **Cold bond systems**
Available for splicing fabric belts and repairing conveyor belt damage
- **Hot bond systems**
Available for splicing fabric belts and repairing conveyor belt damage
- **Splicing Tool Kits**
- **Sprockets**
- **Chains**
- **Pulleys**
- **Taper locks**
- **Locking elements**
- **V-belts**
- **Mill Liners**
- **Thermal and Acoustic Insulation**





MCSEALS CC

MCSEALS CC
Unit C6, Fountains Industrial Park
22 Dan Jacobs Street, Alrode
South Africa 1450

Phone: +27 (0) 11 568 2169 | Email: enquiries@mcseals.co.za | www.mcseals.co.za