Cost Effective, Reliable Quality Tube Fittings & Valves
For Instrumentation, Hydraulic & Pneumatic Applications

...Make the leak free connections with Sealexcel products at competitive price...

www.sealexcel.com
INTRODUCTION
SEALEXCEL (INDIA) PVT. LTD. A fast growing manufacturing company having over 25 years of experience and expertise with advanced technology in Design, Development and Manufacturing World Class consistent and reliable quality Tube Fittings and Valves used in Fluid/Gas Control System in Industries like Automobile, Chemicals, Petrochemicals, Oil & Gas, Marine, Food, Biotechnology, Pharmaceutical, Packaging and Printing Industries etc.

We have two well-equipped modern manufacturing plant including in-house product performance testing facilities to check and verify the maximum safety and consistent reliable performance under adverse, harsh, stressful environments like vibrations, high pressure, deep vacuum and thermal shock etc.

RESEARCH & DEVELOPMENT
By continuous Research & Development with advanced technology and high tech cutting edge machineries. SEALEXCEL produce best quality products for its customers.

QUALITY
SEALEXCEL’s total quality system and control from incoming raw material inspection through ongoing quality assurance during production, final inspection, assembly, testing, packing and dispatch ensure high standard quality products which has earned us various quality certifications such as

- ISO 9001:2008
- PED 2014/68/EU
- ATEX
- OHSAS 18001 (Safety)
- ISO 14001 (Environment)

SEALEXCEL products are validated by type testing in accordance with

- ASTM F 1387-99(2012)
- ECE R110, ISO 15500
- BS4368:4:1984
- MSS SP-99-2010
- Helium Leak Test etc.

CUSTOMER SATISFACTION
We strive for Total Customer Satisfaction and continuously work to set of goals to provide the best quality and delivery of products and services in the best interest of our customers.
**TWIN/SINGLE FERRULE COMPRESSION TUBE FITTINGS**

**FEATURES**
- Compression Twin/Single Ferrule designs
- Low torque assembly
- Case hardened leading edge of Single/Back Ferrule. Ensure Strong Tube grip
- Excellent Vibration resistance
- Reliable in high pressure and deep vacuum application
- Complete interchangeability and Gaugeability
- Excellent make up and remake life
- Available in Material SS316L/Inconnel/Monel/6MO/Duplex etc.

**OPERATING PARAMETERS**
- **Pressure Rating**: Vacuum to 10000 psig (680 Bar) depending on size at CWP
- **Temperature Rating**: Cryogenic to 600°C
- **End Connections** - Inch: 1/8” to 1-1/2” ODT
  - Metric: 3mm to 38mm ODT
  - 1/8” to 1-1/2” BSP/BSPT/NPT/SAE Pipe Threads

**Applications**: Alternative Fuel, Instrumentation, High pressure, Deep Vacuum, General Services etc.

For more details see our Catalog No. 0406/TF

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**BITE TYPE TUBE FITTINGS TO DIN 2353**

**FEATURES**
- Bite type Single Bite Ring design
- According to DIN 2353/ISO8434-1
- Case hardened twin cutting edges of Bite Ring
- Pre-lubricated Silver plated nut ensure low torque assembly
- No external lubrication required for assembly
- Excellent make up and remake life
- Available material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating** (L-Series): Upto 315 bar at CWP
  - (S-Series): Upto 630 bar at CWP
- **Temperature Rating**: Upto 426°C
- **End Connections** - Inch: 6mm to 42mm ODT
  - Metric: 6mm to 38mm ODT
  - 1/8” to 1-1/2” BSP/BSPT/NPT/SAE Pipe Threads

**Applications**: Hydraulic, Pneumatic, Lubrication etc.

For more details see our Catalog No. 11-10/BL

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**37⁰ FLARE TUBE FITTINGS TO SAE J514**

**FEATURES**
- 37⁰ angle and seat design according to SAE J514/ISO 8434-2
- Usable with Metric or Inch tubes
- Vibration resistance
- Usable Hose connection
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 5000 psig (340 Bar) at CWP
- **Temperature Rating**: Upto 426°C
- **End Connections** - Inch: 1/8” to 1-1/2” ODT
  - Metric: 6mm to 38mm ODT
  - 1/8” to 1-1/2” BSP/BSPT/NPT/SAE Pipe Threads

**Applications**: Hydraulic, Pneumatic etc.

For more details see our Catalog No. 05-010/FTF

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**INSTRUMENT THREADED & WELDED PIPE FITTINGS**

**FEATURES**
- Thread: Available NPT and ISO pipe thread
- Weld: Available socket and butt weld end
- Pipe Thread manufactured to maximum tolerances to have maximum thread engagement
- Available in material SS316L/Inconnel/Monel/6MO/Duplex etc.

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 10000 psig (680 bar) depending on size at CWP
- **Temperature Rating**: Cryogenic to 600°C
- **End Connections** - Inch: 1/8” to 1-1/2” BSP/BSPT/NPT/SAE pipe threads
- **Pipe weld and Tube socket size**: 1/4” to 1” Tube/Pipe connections

**Applications**: Instrumentation, General Services etc.

For more details see our Catalog No.02-11/PPF
TUBE FITTINGS WITH INTEGRAL FLANGE

FEATURES
• Available with DIN, EN, JIS, ANSI Flanges
• Available with Flat face, Raised Face, RTJ, Tongue or Groove Sealing Face
• Eliminate additional connections
• Available in material SS316

APPLICATIONS: Connections between process lines and Instruments

METAL GASKET FACE SEAL FITTINGS

FEATURES
• Metal Gasket face seal
• Standard surface finish on Glands and Bodies is average roughness of 10 µ in Ra
• Female Threads of Nut are Silver Plated
• Leak tight seal for vacuum and positive pressure
• Available in material SS316L

APPLICATIONS: Gas delivery system, Instrumentation in Semiconductor Industries

GREASE FITTINGS

FEATURES
• Positive Flow Ball support
• Heavy duty radial rivet crimp
• Special design to enable lubricant or sealant to flow in around the spring smoothly
• All metal construction, application in both high and low temperature environments
• Available in material SS316L

APPLICATIONS: Injecting the grease

BALL VALVES SERIES: BV011 (For Low Pressure)

FEATURES
• Compact one piece Hexagon Body with Floating Ball Design
• PTFE Ball Seat, Bubble tight shut-off
• Quarter turn positive stop handle
• Available in material SS316L

APPLICATIONS: Pneumatic, Multi-purpose, General Services.
**BALL VALVES SERIES : BV021** (For Medium Pressure)

**FEATURES**
- Three piece Hexagon Bar stock Body with floating Ball design
- Bi-directional flow
- PTFE Ball seat, Bubble tight shut off
- Quarter turn positive stop handle
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 3000 psig (204 bar) at CWP with PTFE packing and Seat
- Temperature Rating: -45°C to 232°C
- End Connections - Inch: 1/4” to 1” Tube OD
  - Metric: 6mm to 25mm Tube OD
    - 1/4” to 1” Male/Female
      - BSP/BSPT/NPT Pipe Threads

**Applications**: Instrument Air Lines, General Plant Service

For more details see our Catalog No. BV021/17

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**BALL VALVES SERIES : BV103** (For High Pressure Applications)

**FEATURES**
- Three piece Hexagon Bar Stock body with Floating Ball design
- Spring loaded peek seat compensate for wear and pressure / Temperature changes
- Bi-directional Flow. Bubble tight shut-off
- Quarter turn positive stop handle
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 10000 psig (680 Bar) at CWP with PTFE packing, PEEK Seat and Elastomeric ‘O’ Ring
- Temperature Rating: -54°C to 180°C (depending on ‘O’ Ring material)
- End Connections - Inch: 1/4” to 1” Tube OD
  - Metric: 6mm to 25mm Tube OD
    - 1/4” to 1” Male/Female
      - BSP/BSPT/NPT Pipe Threads


For more details see our Catalog No. BV103/17

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**BALL VALVES SERIES : BV105**

**FEATURES**
- Three piece Body with floating Ball design
- Low torque operation. Bi-directional flow
- Quarter turn positive stop handle
- Panel mountable
- Easy replacement of ball seats
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 3000 psig (204 bar) at CWP with PTFE packing and Seat
- Temperature Rating: -54°C to 232°C
- End Connections - Inch: 1/8” to 3/4” Tube OD
  - Metric: 3mm to 18mm Tube OD
    - 1/8” to 1/2” Male/Female
      - BSP/BSPT/NPT Pipe Threads

**Applications**: High pressure, Instrumentation lines, General plant service

For more details see our Catalog No. BV105/17

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**BALL VALVES SERIES : BV105L**

**FEATURES**
- Three piece Body with floating Ball design
- Spring loaded peek seat compensate for wear and pressure / temperature changes
- Panel mountable, Low torque operation. Bi-directional flow
- Quarter turn positive stop handle
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 6000 psig (408 bar) at CWP with PTFE packing, PEEK Seat and Elastomeric ‘O’ Ring
- Temperature Rating: -54°C to 180°C (depending on ‘O’ Ring material)
- End Connections - Inch: 1/4” to 3/4” Tube OD
  - Metric: 6mm to 18mm Tube OD
    - 1/4” to 1/2” Male/Female
      - BSP/BSPT/NPT Pipe Threads

**Applications**: CNG Fueling System and other Gases, High pressure Instrument Lines.

For more details see our Catalog No.BV105L/17
**TRUNNION BALL VALVES SERIES : BV107**

**FEATURES**
- Two/Three Way Trunnion Ball design
- Spring loaded Ball Seat. Low operating torque
- Full operating pressure
- Trunnion bearing provide high cycle life
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 6000 psig (408 Bar) at CWP with PEEK seat and Elastomeric ‘O’ Ring
- **Temperature Rating**: -54°C to 180°C (depending on ‘O’ Ring material)
- **Available Size - Inch**: 1/4” to 3/4” Tube OD
  - Metric: 6mm to 18mm Tube OD
  - 1/4” to 1/2” Male/Female
  - BSP/BSPT/NPT Pipe Threads

**Applications**: CNG Fueling System, High Pressure Service

For more details see our Catalog No. BV107/17

**NEEDLE VALVE SERIES : INV01 & BS01**

**FEATURES**
- Positive Leak tight shut off
- Low operating torque
- Choice of three stem tips
- Forged Body, straight and Angle pattern
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 5000 psig (340 bar) at CWP
- **Temperature Rating**: -54°C to 232°C with PTFE packing
- **End Connections - Inch**: 1/4” to 1” Tube OD
  - Metric: 6mm to 25 mm Tube OD
  - 1/8” to 1” Male / Female
  - BSP/BSPT/NPT Pipe Threads

**Applications**: Instrumentation, General Services, Hydraulic, Pneumatic

For more details see our Catalog No. NV01/17

**NEEDLE VALVES SERIES : BS03 AND BS05**

**FEATURES**
- Adjustable packing below Stem threads
- Anti Blow-out Stem, choice of three stem tips
- Positive leak tight shut off
- Low operating torque
- Panel mounted valve series : BS05
- Available in Material SS316L to NACE MR01-75

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 6000 psig (408 bar) at CWP
- **Temperature Rating**: -54°C to 232°C with PTFE packing
- **End Connections - Inch**: 1/4” to 1” Tube OD
  - Metric: 6mm to 25 mm Tube OD
  - 1/8” to 1” Male / Female
  - BSP/BSPT/NPT Pipe Threads

**Applications**: Instrumentation, Hydraulic, Severe Services, High performance and temperature

For more details see our Catalog No. NV03/17

**NEEDLE VALVES SERIES : BS99**

**FEATURES**
- ‘O’ Ring Sealing below Stem threads
- Panel mounting
- Anti blow out Stem
- Non rotating stem tips
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 10000 psig (680 Bar) at CWP
- **Temperature Rating**: Upto 120°C with Viton® ‘O’ Ring
- **End Connections**: 1/4” to 1/2” Male/Female
  - BSP/BSPT/NPT Pipe Threads

**Applications**: Instrumentation, High Pressure Service

For more details see our Catalog No.NV99/17
RISING STEM PLUG VALVES SERIES: RSV111

**FEATURES**
- High flow Capacity
- Roddable ‘O’ Ring seal and soft seat
- Straight through orifice
- 100% repeatable bubble tight shut off
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating:** Upto 6000 psig (408 Bar) at CWP
- **Temperature Rating:** -29°C to 204°C with PEEK or Acetal seat
- **End Connections:** 1/4” to 3/4” Female BSP/BSPT/NPT Pipe Threads

**Applications:** Sour Gas Service, Oil & Gas Process

For more details see our Catalog No. RSV111/17

GAUGE/ROOT VALVES SERIES: GRV11

**FEATURES**
- Adjustable Packing below Stem threads
- Non-rotating stem tips
- Gauge port size 1/2 Female NPT
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating:** Upto 6000 psig (408 bar) at CWP
- **Temperature Rating:** -54°C to 232°C with Standard PTFE packing; -96°C to 428°C with Graphite packing
- **End Connections:** 1/2” to 3/4” Male to 1/2” Female NPT Pipe connection; 1/2” Female gauge port Standard

**Applications:** Pressure and Differential pressure measurement

For more details see our Catalog No. GRV11/17

INSTRUMENT MANIFOLD VALVES SERIES: MFV

**FEATURES**
- Available with 2/3/5 Way Valves
- 2 Way Valve: Block & Bleed
- 3/5 Way Valve: Block, Bleed and Equalize
- Design to 4:1 Safety Factor
- Adjustable Packing below Stem threads
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating:** Class 150 to 2500 in accordance with ASME B16-5
- **Temperature Rating:** -54°C to 232°C with PTFE packing; -96°C to 428°C with Graphite packing
- **End Connections:** 1/2” Female BSPP/BSPT/NPT Pipe Threads

**Applications:** Pressure and Differential pressure measurement

For more details see our Catalog No. MFV235/17

MONOFLANGE VALVES SERIES: MFG

**FEATURES**
- Available with OS & Y bolted bonnet, integral screwed bonnet and bolted bonnet design
- Saving on space and cost
- Increased safety in operation
- Easy installation and maintenance
- Available vertical or horizontal installation
- Available in material SS316/316L, Carbon Steel, Duplex and Inconel

**OPERATING PARAMETERS**
- **Pressure Rating:** Class 150 to 2500 in accordance with ASME B16-5
- **Temperature Rating:** Upto 204°C with PTFE packing; Upto 428°C with Graphite packing
- **Available Size:** DN 15 to DN 50

**Applications:** Double Block and Bleed Instrument isolation, Gauge isolation, Instrument drain, Pressure measurement

For more details see our Catalog No. MFG/17
### DOUBLE BLOCK AND BLEED VALVES SERIES: DBB VALVES

**FEATURES**
- 10mm and 15mm Full Bore Valve Design
- Fire safe design to meet BS6755 part 2/API 607/6FA
- Saving on space and cost
- Easy installation and maintenance
- Available in material SS316/316L, Carbon Steel, Duplex and Inconel

**OPERATING PARAMETERS**
- **Pressure Rating**: Class 150 to 2500 in accordance with ASME B16-5
- **Temperature Rating**: Up to 204°C depending on ‘O’ Ring material
- **Available Size**: DN 15 to DN 50
- **Applications**: Double Block & Bleed Instrument Isolation, Gauge isolation, Instrument drain in Oil & Gas

For more details see our Catalog No. DBB/17

### PURGE VALVES SERIES: PGV

**FEATURES**
- Compact design
- Vent hole in the cap bleed, drain or Purge system pressure
- Cap is crimped to Valve Body to prevent accidental disassembly
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 4000 psig (276 bar) at CWP
- **Temperature Rating**: -54°C to 232°C
- **End Connections** - Inch: 1/8” to 1/2” Tube OD
  - Metric: 6mm to 12mm Tube OD
  - 1/8” to 1/2” Male/Female BSPT/NPT Pipe Threads
- **Applications**: Purging of liquid and gaseous

For more details see our Catalog No. PGV/17

### BLEED VALVES SERIES: BLV

**FEATURES**
- Compact design
- Vent tube prevents accidental removal of the stem
- Vent tube directs excess liquid or gas from system line
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 10000 psig (689 bar) at CWP
- **Temperature Rating**: -54°C to 454°C
- **End Connections**: 1/8” to 1/2” BSPT/ NPT Pipe threads
- **Applications**: Bleeding of Liquid or Gaseous

For more details see our Catalog No. BLV/17

### TOGGLE VALVES SERIES: TGV01

**FEATURES**
- Compact design
- Quick opening and closing
- Straight and angle pattern
- Panel mountable
- Available in material SS316L

**OPERATING PARAMETERS**
- **Pressure Rating**: Upto 3000 psig (206 bar) at CWP
- **Temperature Rating**: -28°C to 93°C
- **End Connections** - Inch: 1/8” to 1/2” Tube OD
  - Metric: 3mm to 12mm Tube OD
  - 1/8” to 3/8” Male/Female BSPT/NPT Pipe Threads
- **Applications**: Pressure measurement devices, General Plant Service

For more details see our Catalog No.TGV01/17
**RELIEF VALVES SERIES : RVL4 & RVH4**

**FEATURES**
- Compact design, Angle pattern
- Cracking pressure adjustable externally
- Orifice Size: 4.8mm
- Available in material SS316L

**OPERATING PARAMETERS**
- Valve Series: RVL4
- Cracking Pressure: Adjustable from 10 to 400 psig (0.68 to 27 bar)
- Maximum Pressure Rating: 600 psig (41 bar)
- Temperature Rating: -20°C to 200°C with Viton ® ‘O’ Ring

- Valve Series: RVH4
- Cracking Pressure: Adjustable from 50 to 6000 psig (3.4 to 413 bar)
- Maximum Pressure Rating: 8000 psig (552 bar)
- Temperature Rating: -20°C to 200°C with Viton ® ‘O’ Ring

**Applications**: Prevent over pressure

End Connections - Inch: 1/4” ODT
Metric: 6mm & 8mm ODT
: 1/4” BSP/BSPT/NPT Pipe Threads

For more details see our Catalog No. RVLH/17

**CHECK VALVES SERIES : CV03**

**FEATURES**
- Back stopped poppet design to minimum spring stress
- ‘O’ Ring seat provide leak tight seal.
- Cracking Pressure: 1/3, 1, 5, 10, 25 and 100 psi
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 3000 psig (205 bar) at CWP
- Temperature Rating: Upto 198°C with Viton ® ‘O’ Ring

End Connections - Inch: 1/8” to 1” Tube OD
Metric: 3mm to 25mm Tube OD
: 1/8” to 1” Male/Female BSP/BSPT/NPT Pipe Threads

**Applications**: Gas, Liquid, Fluid Handling

For more details see our Catalog No. CV03/17

**CHECK VALVES SERIES : CV09**

**FEATURES**
- Back stopped poppet design to minimum spring stress
- ‘O’ Ring seat provide leak tight seal.
- Provide large flow, minimum of chatter and fluctuation
- Suitable for high integrity leak rates and re-sealing capabilities
- Cracking Pressure: 1/3, 1, 5, 10, 25 and 100 psi
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 6000 psig (408 bar) at CWP
- Temperature Rating: Upto 198°C with Viton ® ‘O’ Ring

End Connections - Inch: 1/8” to 1” Tube OD
Metric: 3mm to 25mm Tube OD
: 1/8” to 1” Male/Female BSP/BSPT/NPT Pipe Threads

**Applications**: High Pressure Service, Oil and Gas process, General Service

For more details see our Catalog No. CV09/17

**MICRON IN-LINE FILTERS SERIES : MLF01**

**FEATURES**
- Compact in line pattern
- Replaceable Filter elements
- Filter elements available with nominal pore size 2, 7, 15, 30, 60, 90 µm.
- Available in material SS316L

**OPERATING PARAMETERS**
- Pressure Rating: Upto 3000 psig (204 Bar) at CWP
- Temperature Rating: -28°C to 482°C

End Connections - Inch: 1/8” to 1/2” Tube OD
Metric: 3mm to 12mm Tube OD
: 1/8” to 3/8” Male/Female BSP/BSPT/NPT Pipe Threads

**Applications**: Liquid, Fluid handling

For more details see our Catalog No.MLF01/17
SWIVEL JOINTS

FEATURES
• Full flow design minimizes pressure drop for optimum system performance
• Sealed Bearing design isolated bearing race from media and environment
• Available in material steel and stainless steel

OPERATING PARAMETERS
Pressure Rating: Upto 5000 psig at CWP
Temperature Rating: Upto 180°C (Depending on ‘O’ Ring Material)
End Connections: 1/4” to 1” BSP/BSPT/NPT Pipe Connections

Applications: Hydraulic System

For more details see our Catalog No. SC-0409

QUICK CONNECT COUPLINGS: SERIES 210

FEATURES
• Robust in construction
• High flow, double shut-off design to ISO 7241-1 Series ‘B’ Couplings
• Positive Valves stop
• Ball locking mechanism provides safe and reliable connection
• Available in material SS316L

OPERATING PARAMETERS
Pressure Rating: Upto 6000 psig at CWP
Temperature Rating: Upto 200°C (Depending on ‘O’ Ring Material)
End Connections: 1/8” to 1” Pipe Threads

Applications: Hydraulic System

For more details see our Catalog No. SC-0409

Our products are used in wide range of Industries including Automobile, Chemicals, Petrochemicals, Oil & Gas, Marine, Food, Biotechnology, Pharmaceutical, Packaging and Printing Industries etc.

• The Features of SEALEXCEL Tube Fittings and Valves meets the international technical specifications requirements such as ASTM F1387-99(2012), ECE R110, ISO 15500, MSS SP-99-2010 etc.
• The Advantage is World Class consistent high quality products ensuring maximum reliability, safety and high performance.
• The Benefit is Reliable Consistent quality products, service and Delivery schedule.

What is the main Difference...? THE PRICE !!!

Rely on SEALEXCEL® products, provide us an opportunity to serve your esteemed organisation, we assure you that, your requirements will be met in a better way to your entire satisfaction and avail substantial cost savings

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ALSO AVAILABLE FOR PNEUMATIC APPLICATIONS

Stainless Steel Push-in-fittings
Series: PIF

Stainless Steel Push-on-fittings
Series: PNO

Quick Connect Couplings
Series: 310

Flow Control Regulators
Series: FRP03 & FRP05

Flow Control Regulators
Series: FRP07 & FRP09

Quick Exhaust Valve
Series: QEV

Precision Pipe Fittings
Series: PNPF

Check Valves
Series: CV01

Stainless Steel Three Way Ball Valves
Series: BV013
SEALEXCEL's commitment to upgrading its product range by way of continuous research and development programme with advanced technology and cutting edge solutions to ensure best quality products at competitive price and also best delivery schedule for its customer with objective of

**A TOTAL CUSTOMER SATISFACTIONS**

For more information, please contact our Sales Department at sales@sealexcel.com