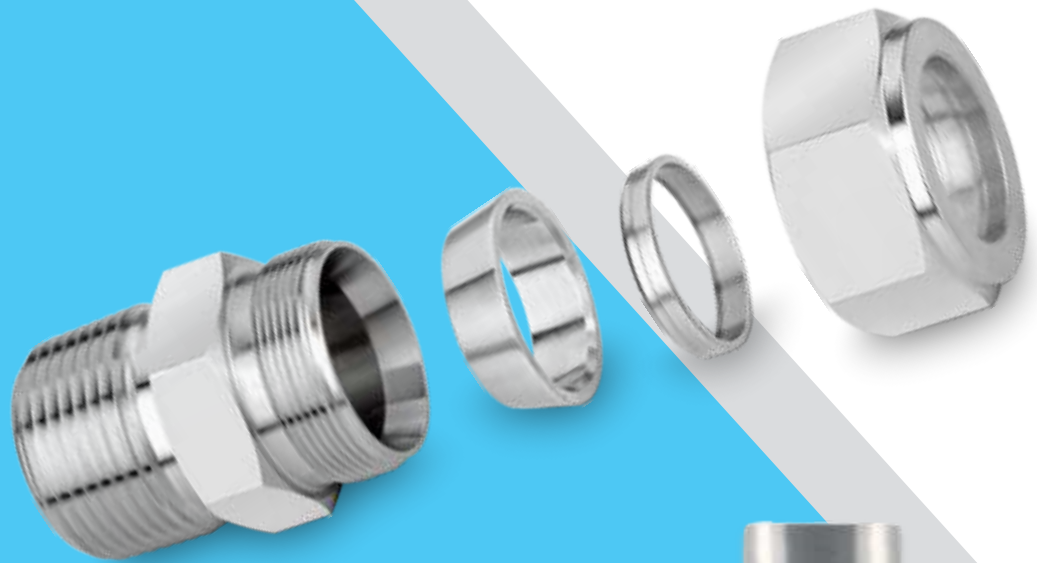




UNIQUE FEATURES OF  
**SEALEXCEL<sup>®</sup>**  
TWIN FERRULE  
TUBE FITTINGS





Unit-II, Gujarat (Plant-1)



Unit-II, Gujarat (Plant-2)

### THE COMPANY

SEALEXCEL (INDIA) PVT. LTD. A fast growing manufacturing company having over 35 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 9001:2015
- 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)
- MSS SP-99-2016a
- ECER110, ISO 15500
- Helium Leak Test
- BS4368:4:1984
- ARAI Test Report

### 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.

### ABOUT TWIN FERRULE TUBE FITTINGS

SEALEXCEL<sup>®</sup> Twin Ferrule Tube fittings have been very carefully designed and manufactured with due care of all critical and important features to ensure high safety and consistent reliable performance under adverse, harsh, stressful environments like vibration, high pressure, deep vacuum and thermal shock etc.

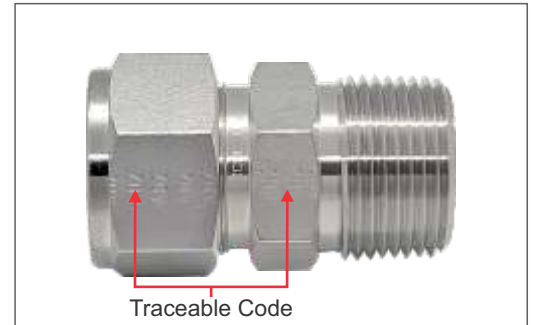
SEALEXCEL<sup>®</sup> Tube Fittings and Valves are comparable with internationally renowned manufacturers such as Swagelok<sup>®</sup>, Parker<sup>®</sup>, etc. with regard to quality, consistency, reliability and performance.

SEALEXCEL<sup>®</sup> Twin Ferrule Tube fittings are safe and reliable performance under following operating parameters.

PRESSURE RATING	: Up to 600 Bar (9000 psig) - depending on size and Tubing wall thickness
TEMPERATURE RATING	: Up to 600°C (Depending on material)
AVAILABLE SIZE	: FRACTIONAL : From 1/8" ODT to 1-1/2" ODT
	METRIC : From 3mm ODT to 38mm ODT
AVAILABLE IN MATERIAL	: SS316/316L, 6MO, Inconel, Hastelloy, Monel, Duplex Alloy 254 SMO etc.

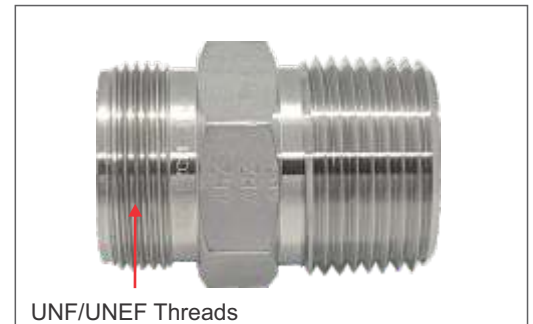
**FEATURE - MATERIAL TRACEABILITY :** SEALEXCEL<sup>®</sup> Tube Fittings in material SS316/SS316L are Heat/Lot code traceable.

- BENEFIT**
- Guaranteed Right Material
  - Improves efficiency, transparency and company integrity.
  - Ensure safety capabilities with increased effectiveness.



**FEATURE - UNF/UNEF THREADS :** The thread UNF/UNEF at compression end of Tube Fittings are cold Rolled

- BENEFIT**
- Have improved physical characteristics
  - High thread strength
  - Highest surface quality
  - Greater Accuracy
  - Greater resistance to Fatigue
  - Superior wear resistance



**FEATURE - SILVER PLATED NUT**

- BENEFIT**
- Silver plating Extend the fittings life by preventing galling across a wide range of temperature.
  - Easy assembly.
  - Low torque during assembly.
  - No external lubrication required for assembly.
  - Excellent make-up and re-make life.

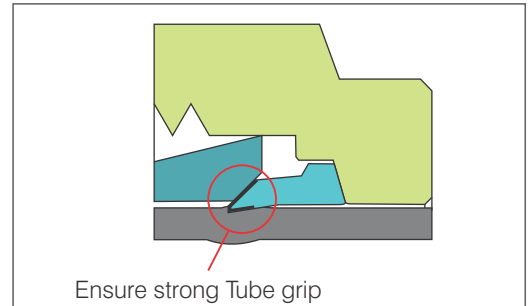
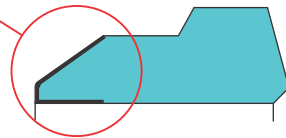


**FEATURE - BACK FERRULES :** The leading edge of back ferrules are case hardened.

- BENEFIT**
- Ensure strong Tube grip.
  - Excellent Vibration Resistance.
  - Leak-free Gas Seal.
  - Reliable performance under high pressure and deep vacuum conditions.

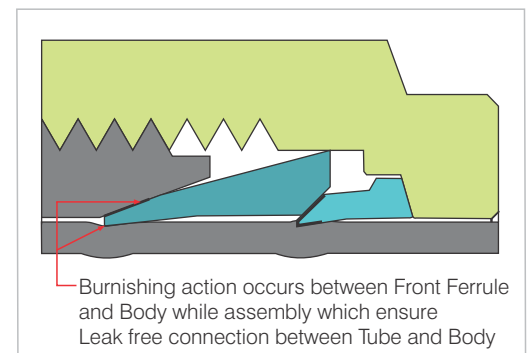
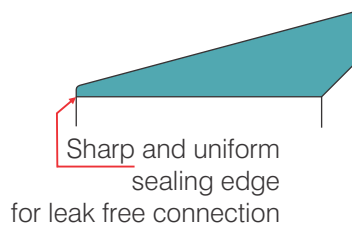


Case hardened leading edge of Back Ferrule



**FEATURE - FRONT FERRULES :** Precision Machined to very close tolerances by monitoring critical dimensions, profile, surface finish, run out and sharp edges.

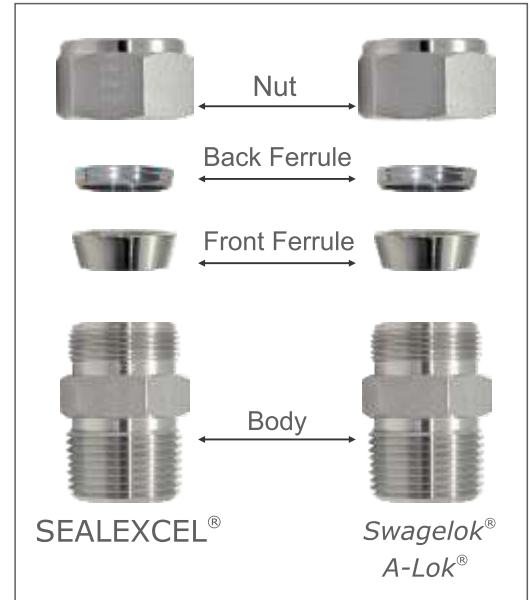
- BENEFIT**
- Ensure leak free connections between Tube & Body
  - Leak-free Gas seal.
  - High performance and Safety under high pressure and deep vacuum conditions.



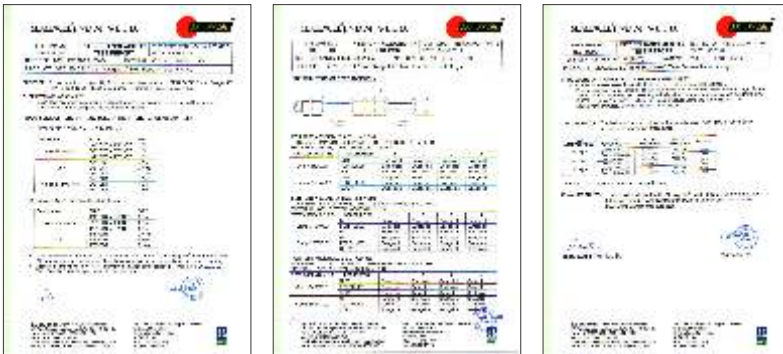
**FEATURE - INTER-CHANGEABILITY WITH INTERNATIONAL BRANDS :** The Design of SEALEXCEL® Twin Ferrule Tube Fittings are similar to certain other internationally renowned Fittings manufacturers like Swagelok®, A-Lok®, etc.

**BENEFIT**

- SEALEXCEL® guarantee the functional interchangeability with above Tube fittings manufacturers without disturbing the performance and reliability.



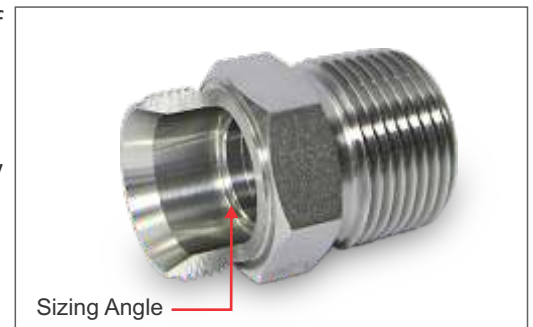
Interchangeability of Tube Fittings witnessed by TUV



**FEATURE - SIZING ANGLE**

**BENEFIT**

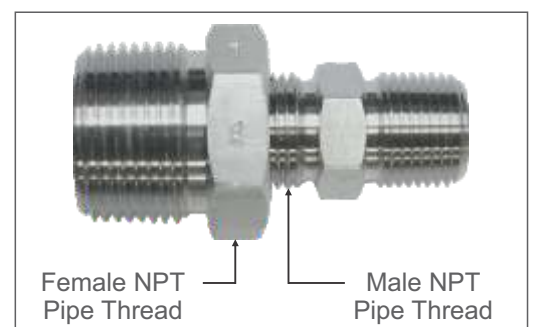
- SEALEXCEL® provides a slight taper in the base of the tube socket in the Fitting body.
- It align the tube with fitting body while assembly.
- Reduces the possibility of the tube sticking in Body during disassembly.



**FEATURE - PIPE THREADS** are manufactured to maximum tolerances.

**BENEFIT**

- Ensure to have maximum thread engagement
- ensuring robust, safe and secure connection.



**FEATURE - HELIUM LEAK DETECTION TEST**

**BENEFIT**

- SEALEXCEL® Twin Ferrule Tube Fittings offers deep vacuum capability with good quality tubing and will be leak tight at vacuum level of 10<sup>-9</sup> torr. This test is conducted in-house with ASM 142 Helium Leak Detector (Alcatel)
- Ensures maximum safety and reliability in deep vacuum applications.



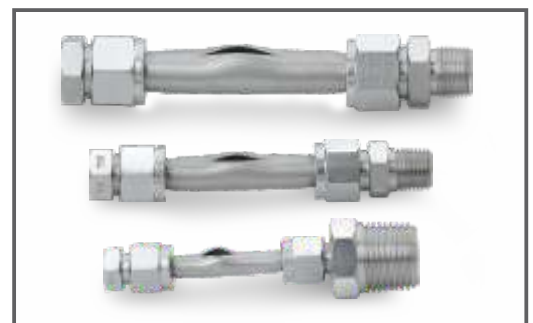
Helium Leak Detection test witnessed by TUV & DNV



**FEATURE - BURST PRESSURE TEST**

**BENEFIT**

- SEALEXCEL® Well-Lok™ Twin Ferrule Tube Fittings have been tested to tube burst i.e. 4 x permissible working pressure of the tube.
- RESULT : No leakage, cracks or damage were detected in the Tube Fittings throughout the test.
- Ensures maximum safety and reliability under high pressure applications.



Burst pressure test witnessed by TUV



# The Important Features of Tube Fittings SEALEXCEL<sup>â</sup> VS. SWAGELOK<sup>â</sup> & A-LOK<sup>â</sup>



FEATURES	SEALEXCEL <sup>â</sup> VS. SWAGELOK <sup>â</sup> & A-LOK <sup>â</sup>
Twin Ferrule Design	Yes
Traceable Quality SS316	Yes
Silver Plated & Dry Lubricated Nut	Yes
Low Torque assembly	Yes
Hardened Back Ferrule	Yes
UNF/UNEF Threads are cold Rolled	Yes
Thread Design to allow Intermix of Components	Same
Shoulder Marking to distinguish between Metric & Imperial size	Same
Ability to Identity different thread forms through body marking	Same
Stringent Quality Assurance Standard	Yes
Installation procedures	Same
Gaugeability to check correct installation	Same
Pressure Rating upto 9000 psi (600 bar)	Same
Temperature Rating upto 600°C	Same
Requirement of Tube Specifications	Same
Leak integrity	Same

- The Features of SEALEXCEL<sup>®</sup> Tube Fittings meets the international technical specifications requirements such as ASTM F1387-99(2012), ECE R110 etc.
- The Advantage is World Class consistent high quality products ensuring maximum reliability, safety and high performance under adverse and harsh stressful environments like vibration, high pressure, deep vacuum and thermal shock etc.
- SEALEXCEL<sup>®</sup> Tube Fittings are comparable with Internationally renowned manufacturers such as Swagelok<sup>®</sup>, A-Lok<sup>®</sup> fittings etc. with regard to quality, consistency, reliability and performance.
- The Benefit is Best quality Tube Fittings and Valves at competitive price and Best Delivery schedule.

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

***Rely on SEALEXCEL<sup>â</sup> products, provide us an opportunity to serve your esteemed organisation and avail substantial cost savings***

				
Twin/Single Ferrule Tube Fittings	37° Flare Tube Fittings To SAE J514	Instrument Threaded & Welded Pipe Fittings	Tube Fittings With Integral Flange	Low /Medium PressureBall Valves
				
High Pressure Ball Valve	High Pressure 2/3 Way Ball Valve	Needle Valve	Needle Valves (Panel Mountable)	High Pressure Needle Valve
				
Rising Stem Plug Valves	Gauge/Root Valves	Instrument 2/3/5 Manifold Valves	Monoflange Valves	Single / Double Block & Bleed Valves
				
Purge Valves	Bleed Valves	Toggle Valves	Relief Valves	Check Valves
				
Micron In-line Filters	Quick Connect Couplings	Stainless Steel Pneumatics Fittings & Valves		

For more information, please contact our sales department at [sales@sealexcel.com](mailto:sales@sealexcel.com)



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