

EXCEL ENGINEERING SYSTEMS

Leak - Proof Flow & Control Solution Partner

The Best Partner
for Value Creation

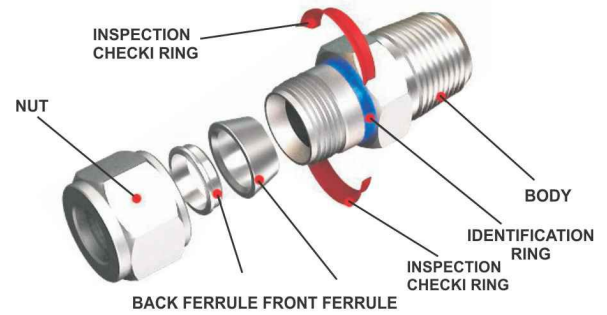
We support the
innovations of customers

EES-Lok



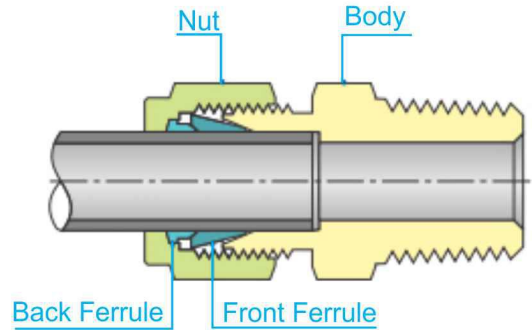
Tube Fittings

Excel Engineering Systems Firmly established its leadership Position and took the industry by storm, introducing the **EES-LOK** Tube Fittings. To this day the **Excel Engineering Systems** unique advantages and benefits to users that are unmatched in the industry, especially for sever service applications.



Excel Key Design Benefits

1. The Back Ferrule provides a strong mechanical and anti - vibration hold on the tube.
2. Pressure Seal by Front Ferrule on the Tube and Body.
3. Fine Pitch, Silver Plated Nut, Threads ensure no galling.



Assembled Fitting & Tube

Material Supported

Materials Supported are 316SS, MONEL®, INCONEL® 625, INCOLOY® 825, HASTELLOY® C, Titanium, Duplex, Super Duplex, 6MO and Brass. Available in Both Metric & Imperial Sizes. Available in both Metric and Imperial Sizes 1/16" to 2" Multiple Configurations.



BUSINESS AREA

Tube Fittings

- Tube Fitting
- Bite Type Tube Fitting (DIN 2353)
- 37° Flared Tube Fitting (SAE J514)
- OF (O-ring Face) Seal Fitting
- High Pressure Fitting
- Instrument Thread & Weld Fitting
- Push Fitting
- Forge Fitting
- Pipe Fitting

Valves

- Needle Valve
- Ball Valve
- Manifold Valve
- Double Block & Bleed Valve
- Solenoid Valve
- Plug & Forge Valve
- Gauge & Root Valve
- Relif Valve

Accessories Solution

- Clamp
- Quick Conect Coupling
- Flanges
- Hose & Assembly
- Pneumatic Cylinder
- Condensate Pot & Airheader
- Gasket & Seal
- Tubes

EES - LOK TUBE FITTINGS (COMPRESSION TYPE)



APPLICATIONS

Process instrumentation, High Temperature and Cryogenic service, High pressure service, Vacuum service.

SPECIFICATIONS

- The Working pressure of EESLOK Tube Fittings are limited by the Working pressure of tubing.
- Working Temperature Range : -320°F to 1200°F (-196°C to 649°C)

37° FLARED TUBE FITTINGS (SAE J514)



APPLICATIONS

Hydraulic System.

SPECIFICATIONS

- Maximum Working Pressure : 8700psi(600bar)@100°F(38°C)
- With O-Ring Type. 5000psi(345bar)@100°F(38°C) : Without O-Ring Type. And according to SAE J514
- Working Temperature Range : up to 800°F(427°C)

INSTRUMENTATION THREAD FITTINGS



APPLICATIONS

Process, power, instrumentation and general plumbing.

SPECIFICATIONS

- Maximum Working pressure : 10000psi(689bar)@100°F(38°C)
- Working Temperature Range : -320°F to 1000°F (-196°C to 537°C)

HIGH PRESSURE FITTINGS



APPLICATIONS

High pressure equipment, Pumping system, Hydraulic intensifier, Water blasting, Test stands.

SPECIFICATIONS

- Maximum Working pressure : up to 60000psi(4137bar)
- Working Temperature Range : -100°F to 600°F (-73°C to 315°C)

O-RING FACE SEAL FITTINGS



APPLICATIONS

High Pressure Hydraulic System

SPECIFICATIONS

- Maximum Working pressure : 14000 psi (965bar) @ 100 °F(38°C)
- Working Temperature Range : -13 °F to 392 °F (-25°C to 200°C)

BITE TYPE TUBE FITTINGS (DIN2353)



APPLICATIONS

Hydraulic, Compressed Air, Fuel Heating, Auto Motive

SPECIFICATIONS

- Maximum Working pressure : Very Light (LL) Series PN 100bar
 Light (L) Series PN 315bar
 Heavy (S) Series PN 630bar
- Working Temperature Range : up to 800°F(427°C)

BITE TYPE TUBE FITTINGS (JIS B2351)



APPLICATIONS

Hydraulic, Compressed Air, Fuel Heating, Auto Motive

SPECIFICATIONS

- Maximum Working pressure : 3600psi(25Mpa / 254kg/cm² / 248bar)
- Working Temperature Range : -4°F to 482°F (-20°C to 250°C)

FORGED FITTINGS



APPLICATIONS

Mainly for the purpose of power plant, oil and gas field.

SPECIFICATIONS

- Maximum Working pressure :15NB to 1100NB in 2000LBS, 3000LBS, 6000LBS, 9000LBS
- Working Temperature Range : up to 1000°F (538°C)

PUSH-ON HOSE FITTINGS



APPLICATIONS

Air break system, Air conditioning system, Automotive industry

SPECIFICATIONS

- Maximum Working pressure : 350psi(24bar)@100°F(38°C)
- Working Temperature Range : -40°F to 212°F (-40°C to 100°C)

ULTRA HIGH PURITY FITTINGS



APPLICATIONS

Industry ultra-pure and high-purity gas line , Vacuum delivery system

SPECIFICATIONS

- Maximum Working pressure : 8500 psi (585 bar) @ 100°F (38°C)
- Working Temperature Range : up to 1000°F (537°C)

BALL VALVE



APPLICATIONS

High Pressure Instrument system, Hydraulic system.

SPECIFICATIONS

- Maximum Working pressure : 10000 psi @ 70°F (21°C)
- Working Temperature Range : -22°F to 265°F (-30°C to 130°C)

BALL VALVE TO DIN STANDARD



APPLICATIONS

Hydraulic Lines

SPECIFICATIONS

- Maximum Working Pressure : 7200 psi (496bar) @ 70°F(21°C)
- Working Temperature Range : -4°F to 210°F (-20°C to 100°C)

TRUNNION BALL VALVES - BT SERIES



APPLICATIONS

Process, power, instrumentation and general plumbing.

SPECIFICATIONS

- Maximum Working pressure : 10000psi(689bar)@100°F(38°C)
- Working Temperature Range : -320°F to 1000°F (-196°C to 537°C)

FORGED HIGH PRESSURE BALL VALVES - SBVF 360 SERIES



APPLICATIONS

High pressure equipment, Pumping system, Hydraulic intensifier, Water blasting, Test stands.

SPECIFICATIONS

- Maximum Working pressure : up to 60000psi(4137bar)
- Working Temperature Range : -100°F to 600°F (-73°C to 315°C)

NEEDLE VALVE



Pressure rating up to 5000psi(340bar) @ 100F (38°C)

Temperature rating :-65F (-54°C)to 600F (315°C)

Stainless steel, Brass, and Alloy In-Line or Angle pattern

Vee stem, Regulating stem, Soft seat

Sizes : 1/8 to 2 in.

HIGH PRESSURE NEEDLE VALVES



Pressure rating up to 10000psi(689bar) @ 100F(38°C)

Temperature rating : -65F(-54°C) to 450F(233°C) Stainless steel

PTFE packing on stem for leak tight seal and long life cycle

Sizes: 1/8 to 2 in.

UNION BONNET NEEDLE VALVES



APPLICATIONS

High temperature and pressure Radioactive Service, Condensates.

SPECIFICATIONS

- Maximum Working pressure :6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range :65°F to 450°F(-54°C to 232°C) with PTFE packing
Up to 1200°F(649°C) with Graphite packing

PLUG VALVES - SPV130 SERIES



APPLICATIONS

Instrument Air Lines ,Refinery pilot plant .

SPECIFICATIONS

- Maximum Working pressure : 3000 psi (207 bar) @ 100°F(38°C)
- Working Temperature Range :-10°F to 400°F (-23°C to 204°C)

2WAY MANIFOLD VALVE



APPLICATIONS

Pressure & Differential Pressure Instrumentation.

SPECIFICATIONS

- Maximum Working pressure : 6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range : -65°F to 450°F (-54°C to 232°C) with PTFE packing
up to 1200°F(649°C) with Graphite packing

3WAY MANIFOLD VALVE



APPLICATIONS

Pressure & Differential Pressure Instrumentation.

SPECIFICATIONS

- Maximum Working pressure : 6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range : -65°F to 450°F (-54°C to 232°C) with PTFE packing
up to 1200°F(649°C) with Graphite packing

5WAY MANIFOLD VALVE



APPLICATIONS

Pressure & Differential Pressure Instrumentation.

SPECIFICATIONS

- Maximum Working pressure : 6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range : -65°F to 450°F (-54°C to 232°C) with PTFE packing
up to 1200°F(649°C) with Graphite packing

BLOCK & BLEED VALVES



APPLICATIONS

Process piping isolation points, Direct mount to instruments, Vents and drains.

SPECIFICATIONS

- Maximum Working pressure : Class 150 to Class 2500
- Working Temperature Range :
-58°F to 400°F (-50°C to 204°C) for stainless steel and duplex valve assemblies
-50°F to 400°F (-46°C to 204°C) for carbon steel valve assemblies

CHECK VALVES



APPLICATIONS

Instrument Lines, Prevent reversed flow, un-directional flow control.

SPECIFICATIONS

- Maximum Working pressure : 3000 psi (207 bar) @ 70°F(21°C)
- Cracking Pressure : 1/3 psi (0.03 bar) to 100 psi(6.9 bar)
- Working Temperature Range : -10°F to 375°F (-23°C to 191°C)

BLEED & PURGE VALVES



APPLICATIONS

Venting & purging of Instrument system , Hydraulic & Pneumatic system.

SPECIFICATIONS

- Maximum Working pressure : up to 10000psi(689bar) @100°F (38°C)
- Working Temperature Range :
-65°F to 850°F (-54°C to 454°C) with stainless steel ,
from -20°F to 450°F (-29°C to 232°C) with carbon steel

INSTRUMENTATION GAUGE VALVES



APPLICATIONS

Pressure Gauge , primary Isolation

SPECIFICATIONS

- 6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range : -65°F to 450°F (-54°C to 232°C) with PTFE packing
up to 1200°F(649°C) with Graphite packing

INDUSTRIAL EXCESS FLOW VALVES



APPLICATIONS

Fuel system , Gas system , Hydraulic & Pneumatic system.

SPECIFICATIONS

- Maximum Working pressure : up to 6000psi(414bar)@100°F(38°C)
- Working Temperature Range : up to 400°F(204°C)

PNEUMATIC – PU FITTING, HOSE & COIL



APPLICATIONS

Air tool accessories, Air line controls

SPECIFICATIONS

Attractive design & Compact size

Easy and quick push in connection of tube/easy removal

SOLENOID VALVES



APPLICATIONS

Fluid control systems, Valve automation systems and Control components.

SPECIFICATIONS

4Vseries, 3V series, 2W series, 4F series foot valve,

JMJ series mechanical valve, HV hand valve, etc

PNEUMATIC CYLINDER



APPLICATIONS

Controlling cylinders, larger industrial valves

SPECIFICATIONS

4Vseries, 3V series, 2W series, 4F series foot valve,

JMJ series mechanical valve, HV hand valve, etc

AIR TREATMENT UNITS



APPLICATIONS

Purifying compressed air, Setting pressure and Adding lubrication

SPECIFICATIONS

F.R.L combination, FR.L combination, air filter, air regulator, lubricator of the port size from 1/8" to 1"

PRESSURE SNUBBER VALVE



APPLICATIONS

Valve, Hydraulic Directional Control.

SPECIFICATIONS

One piece construction , Requires no adjustment or maintenance

MONOCHROMOFILTERS



APPLICATIONS

Protection of instrument system.

SPECIFICATIONS

- Maximum Working pressure : 3000 psi (207 bar) @ 100°F(38°C)
- Working Temperature Range : -20°F to 900°F (-29°C to 482°C)
- Filtering Range : 1 to 90 Micron

CONDENSATE POT & AIRHEADER



APPLICATIONS

Pressure transmitter's line, Instrumentation & Pneumatic applications

SPECIFICATIONS

Installation -vertical or horizontal .Outlet :

Ball valve, Needle Vale, Plug, Nipple, etc.

RELIEF VALE



APPLICATIONS

Prevent over pressure to protect.

SPECIFICATIONS

- Maximum Working pressure : SRVL-300 psi (20.7 bar) @ 100°F(38°C)
SRVH- 6000 psi (414 bar) @ 100°F(38°C)
- Working Temperature Range : 10°F to 400°F (-23°C to 204°C)
- Opening Pressure : SRVL : 10psi(0.69 bar) to 250 psi (17.2bar)
SRVH: 225psi(15.5 bar) to 6000 psi (414 bar)

CLAMPS



APPLICATIONS

Supporting piping systems

SPECIFICATIONS

PP / Aluminium / Hydraulic Clamps –
Light / Heavy / Twin Series Pipe clamps

SAE FLANGES



APPLICATIONS

High Pressure Hydraulic system .

SPECIFICATIONS

- Maximum Working pressure : 6000psi(414bar) @100°F (38°C)
 - Working Temperature Range : -13°F to 392°F (-25°C to 200°C)
- With sealing material FKM

FLANGES



APPLICATIONS

Supporting piping systems - connecting pipes, valves, pumps & other equipment

SPECIFICATIONS

Welding Neck Flange * Slip On Flange * Socket Weld Flange
Lap Joint Flange * Threaded Flange * Blind Flange

GASKET & SEALS



APPLICATIONS

Sealing System, Preventing leakage

SPECIFICATIONS

API Gasket, RTJ, SWG, Dowty Seal, O-ring, Seal, Etc

QRC



▪ **Pressure Rating** : Up to 3500

Temperature Rating : Up to 200 C

▪ **Lining**: Rubber, PTFE, Nylon, etc.

▪ **Various Series** : NY, YNL, QC, KS, Camlock

▪ **Material**: Stainless steel, Brass, MS, etc.

▪ **Sizes**: 1/8 to 4 in.

CAM LOCK COUPLING



APPLICATIONS

Fluid transfer fittings, cam and groove couplings

SPECIFICATIONS

Type : A / B / C / D / E / F / DC / DP / Etc

HOSE & ACCESSORIES



APPLICATIONS

High Vibration, Misalignment, Piping Works for expansion, Moveable Equipment.

SPECIFICATIONS

- Maximum Working pressure : 1600 psi (110 bar) @ 70°F(21°C)
- Working Temperature Range : up to 1000°F(538°C)

TUBE & COILS

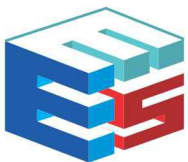
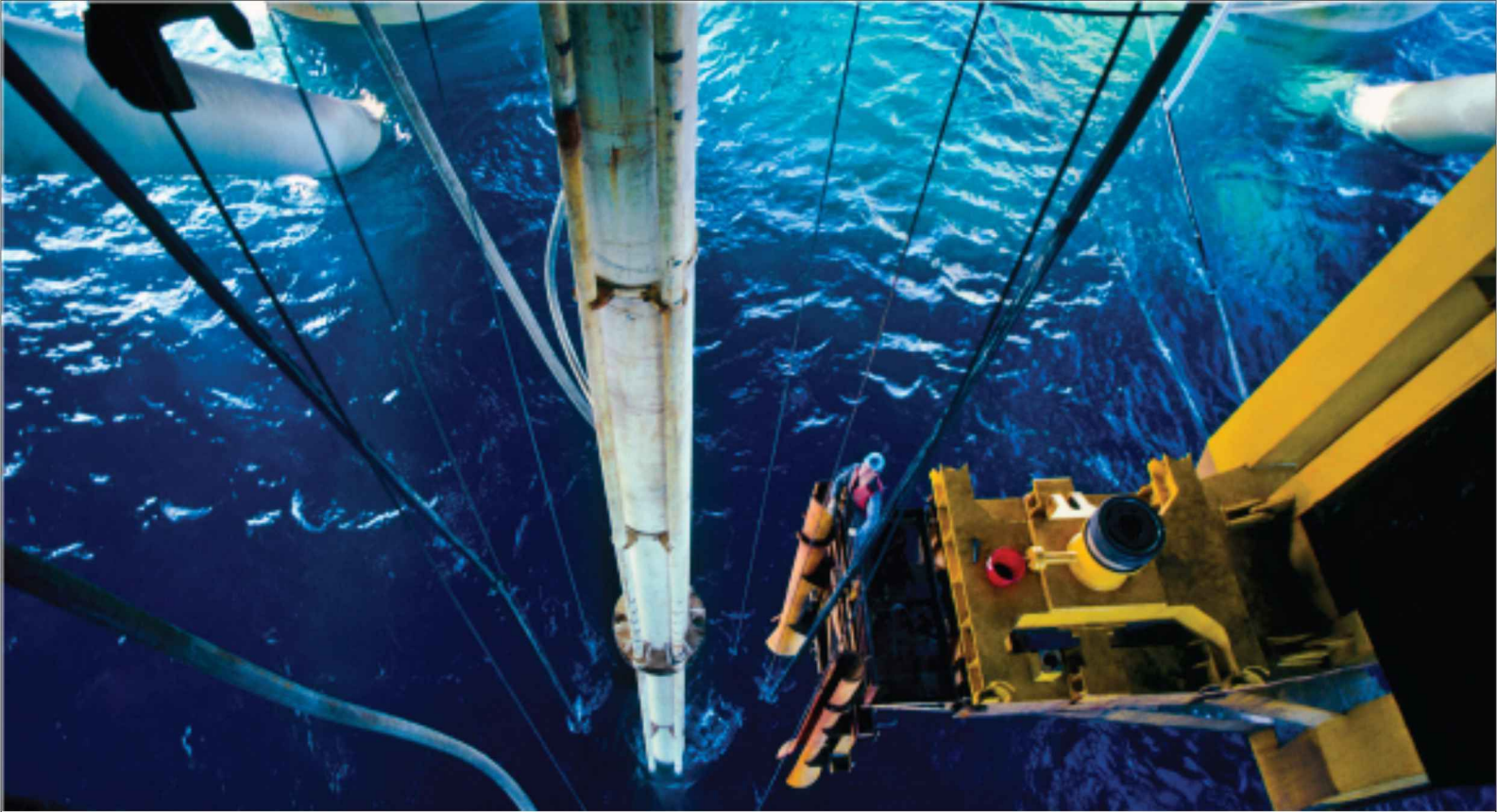


APPLICATIONS

Prevent over pressure to protect.

SPECIFICATIONS

Steel – SS, Copper, Etc



EXCEL ENGINEERING SYSTEMS

Head office : 177/181, J. T. Building, Dr. M. G. Mahimtura Marg,
(3rd Kumbharwada Lane) Mumbai- 400 004, Maharashtra (India)

Tel. : 022 - 6659 5745 / 6743 6942

E-mail : exceltubefittings@gmail.com

Web : www.eesfittings.com

Factory : Plot No 1165 , Road No 13 , Steel Warehouse Complex,
Po Kalamboli, Tal-Panvel, Dist - Raigad,
Navi Mumbai 410218, Maharashtra, India.