

# SUPERLOK TUBE FITTINGS

## UNION

- SU**  
Union
- SRU**  
Reducing Union
- SBHRU**  
Bulkhead Reducing Union
- SBHU**  
Bulkhead Union

## CONNECTOR

- SMC**  
Male Connector
- SGMC**  
Male Connector For Bonded Washer Seal
- SOMC**  
Male Connector For Metal Gasket Seal
- SFC**  
Female Connector
- SGC**  
Gauge Connector
- SBMC**  
Bulkhead Male Connector
- SBFC**  
Bulkhead Female Connector

## ELBOWS

- SUE**  
Union Elbow

## SME

- SME**  
Male Elbow
- SHME**  
45° Male Elbow
- SPHME**  
45° Positionable Male Elbow
- SPME**  
Positionable Male Elbow

## SFE

- SFE**  
Female Elbow

## TEE

- SUT**  
Union Tee
- SRUT**  
Reducing Union Tee
- SMBT**  
Male Branch Tee
- SPMBT**  
Positionable Male Branch Tee
- SMRT**  
Male Run Tee
- SPMRT**  
Positionable Male Run Tee
- SFBT**  
Female Branch Tee

## SFRT

- SFRT**  
Female Run Tee

## SUC

- SUC**  
Union Cross

## STUB TUBE CONNECTOR

- SR**  
Reducer
- SBR**  
Bulkhead Reducer

## SMA

- SMA**  
Male Adapter

## SFA

- SFA**  
Female Adapter

## SPC

- SPC**  
Port Connector

## SRPC

- SRPC**  
Reducing Port Connector

## AN TUBE

- SAF**  
An Flare
- SAU**  
An Union
- SAA**  
An Adapter

## O-RING SEAL

- SOSC**  
O-Seal Straight Thread Connector
- SOPC**  
O-Seal Pipe Thread Connector
- SSMC**  
SAE/MS Male Connector

## WELD END

- SPWC**  
Male Pipe Weld Connector
- SMPWE**  
Male Pipe Weld Elbow
- SSWC**  
Socket Weld Connector
- SSWE**  
Socket Weld Elbow

## PLUG & CAP

- SP**  
Plug
- SC**  
Cap

## SPARE PART

- SN**  
Nut
- SFF**  
Front Ferrule
- SBF**  
Back Ferrule
- SFS**  
Ferrule Set
- SI**  
Insert
- SBR**  
Bulkhead Retainer
- SVP**  
Vent Protector

## SUPERLOK INSTALLATION INSTRUCTION

### 1. Installation under 1 inch or 25MM

**SUPERLOK** Tube Fitting shall be delivered to customer with completely assembled state, so be ready to immediate use only with finger-tightening. Disassembling the product prior to use can be a cause of leakage or a cause of inflow something into the fitting's inside. Do not use for the poor quality tubes, which can be a cause of leakage or functional deterioration.

**SUPERLOK** Tube Fittings are installed in three easy steps:

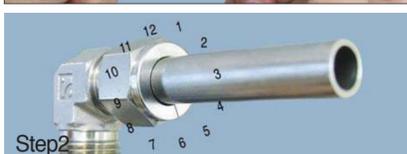
#### Step 1

Insert the tubing into **SUPERLOK** Tube Fitting's inside. At this moment, make sure that the tubing is completely contact with the shoulder of fittings and then finger-tighten the nut.



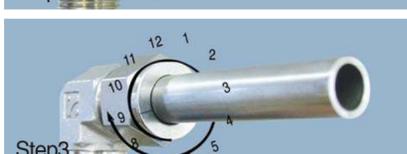
#### Step 2

Before tightening the **SUPERLOK** nut, mark the starting point of turning at the 6 o'clock position.



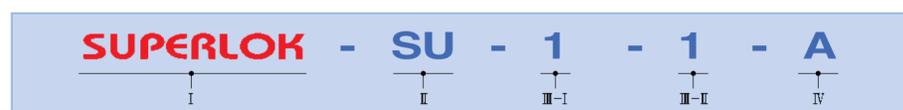
#### Step 3

Hold the fitting body safely with a backup wrench and tighten the nut 1-1/4 turns. (pay attention to the mark of starting point of turning, make one revolution and place at 9 o'clock position. Marking the starting point of turning at the 6 o'clock position will let you notice where the starting point is).



After 1-1/4 revolution, when the starting point is placed at 9 o'clock position, you can easily confirm and see that **SUPERLOK** Tube Fitting is installed accurately. After 1-1/4 revolution of the **SUPERLOK** nut by finger-tightening, make sure whether it is sufficiently tightened using by the Gap Inspection Gage.

## ORDERING INFORMATION



I: **SUPERLOK** Tube Fitting II: Fitting Type III: Fitting Size (III-I: Tube O.D. III-II: Pipe Thread Size or Tube Size) IV: Material

### I : **SUPERLOK** Tube Fitting

### II : Type of Fitting

- SU** : Union    **SMC** : Male Connector    **SUE** : Union Elbow    **SUT** : Union Tee
- SWC** : Weld connector    **SR** : Reducer    **SSMC** : SAE/MS O-Ring Male Connector    **SAU** : An union    **SP** : Plug

\* Referred to catalogue Index

### III : Size of Fitting

#### III - I : Tube O.D

| Fractional Tube | O.D (Inch) | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 7/8 | 1   | 1-1/4 | 1-1/2 | 2   |
|-----------------|------------|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-------|-------|-----|
| Identify        |            | 1    | 2   | 3    | 4   | 5    | 6   | 8   | 10  | 12  | 14  | 16  | 20    | 24    | 32  |
| Metric Tube     | O.D (mm)   | 2    | 3   | 4    | 6   | 8    | 10  | 12  | 16  | 20  | 22  | 25  | 28    | 32    | 38  |
| Identify        |            | 2M   | 3M  | 4M   | 6M  | 8M   | 10M | 12M | 16M | 20M | 22M | 25M | 28M   | 32M   | 38M |

#### III - II : Pipe Thread Size or tube size

| SIZE (INCH)   | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1   | Applied Size                           |
|---------------|-----|-----|-----|-----|-----|-----|--|
| ISO TAPERED   | 2R  | 4R  | 6R  | 8R  | 12R | 16R | JIS B0203(PT), DIN2999, BSPT           |
| NPT           | 2N  | 4N  | 6N  | 8N  | 12N | 16N | ANSI B1.20.1                           |
| ISO PARALLEL  | 2G  | 4G  | 6G  | 8G  | 12G | 16G | JIS B0202(PF), ISO 228/1, BSPP         |
| UNIFIED SCREW | 2U  | 4U  | 6U  | 8U  | 12U | 16U | AMERICAN STANDARD UNIFIED SCREW THREAD |

### IV : Material

| MATERIAL | Aluminum<br>(Use dash -) | Brass and Copper<br>(Use dash -) | Carbon Steel **<br>(** : Refer to Alloy No.) | Stainless Steel***<br>(*** : Refer to Alloy No.) | Monel Alloy 400 | Inconel Alloy 600 |
|----------|--------------------------|----------------------------------|--|--|-----------------|-------------------|
| Identify | A                        | B                                | C**  | SS**   | M               | INC               |