


# Statutory Declaration Registration of Fittings

REGISTERED   
CRN: CSA-0A21487.56  
Registration Process administered by  
CSA Group per CSA B51

## (a) Design Qualification

I' Joel Feldman  
Vice President, Engineering  
*(Position eg. president, plant manager, chief eng.)*

Of Swagelok Company  
*(name of company)*

Located at Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)  
*(plant address)*

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

- comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required
- Or
- are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with \_\_\_\_\_ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.



## (b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency BSI

The fittings<sup>2</sup> covered by this declaration, for which I seek registration, are Category A. Fitting

In support of the application, the following information, calculations and/or test data are attached:  
ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents


Declared before me at Solon  
In the state of Ohio  
The 31 Day of March AD 20 19  
Brenda Hommel  
*(commissioner for oaths)*

Joel C. Feldman  
*Signature of Declarer*

For Official Use Only

The application is accepted for registration in Category A in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. Jun. 10 - 2029

Registered Number CRN CSA-0A21487.56 For the  Chief Inspector A. BANWATT  
Date JUL - 23 - 2019

- 1 **Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.**
- 2 **All fittings are required to be registered in the name of the Manufacturer.**
- 3 **This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.**



## Attachment B. Scope of Registration for Swagelok Alloy 400, (ASTM B164 / B564), Tube Fittings (Category A)

This document represents the scope of Swagelok Alloy 400 Tube Fittings covered by this submission for CRN approval. These Swagelok Tube Fittings have been evaluated in accordance with ASME B31.3 for unlisted components and ASME B31.1 for unlisted components.

### Summary Table

Product Description or Series	Material	Port Connections and Sizes	Maximum Allowable Working Pressure		Design Code of Construction
			Up to 100°F	At maximum temperature	
Gaugeable Tube Fittings and Adapter Fittings	Alloy 400 (ASTM B164 / B564)	Swagelok tube fitting 1/8 - 1 inch 6mm - 25mm	See Table on Page 2	See Table on Page 2	ASME B31.3 (Unlisted Components)
		NPT Male 1/16 - 1 inch	9200-4400 psig	6900 - 3300 psig @ 800°F (426°C)	
		NPT Female 1/16 - 1 inch	5600-3700 psig	4200 - 2775 psig @ 800°F (426°C)	





**Alloy 400 Swagelok Tube Fitting Pressure Rating Table**

Swagelok End Connection Size	Maximum Allowable Working Pressure (1)	
	Up to 100°F	At maximum temperature 800°F (426°C)
1/8	10,100 psig	7575 psig
3/16	9500 psig	7125 psig
1/4	9500 psig	7125 psig
5/16	7300 psig	5475 psig
3/8	6100 psig	4575 psig
1/2	4400 psig	3300 psig
5/8	5600 psig	4200 psig
3/4	4600 psig	3450 psig
7/8	4500 psig	3375 psig
1"	4300 psig	3225 psig
6 mm	620 bar	465 bar
8 mm	450 bar	337.5 bar
10 mm	350 bar	262.5 bar
12 mm	290 bar	217.5 bar
14 mm	270 bar	202.5 bar
15 mm	330 bar	247.5 bar
16 mm	320 bar	240 bar
18 mm	300 bar	225 bar
20 mm	290 bar	217.5 bar
22 mm	310 bar	232.5 bar
25 mm	290 bar	217.5 bar

Note (1): Values based on thickest wall alloy 400 tubing per Swagelok Tubing Data Sheet MS-01-107.



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ATTACHMENT TO  
C.R.N. CSA-0A21487.56

Signed: [Signature]

178 Rexdale Boulevard Toronto ON Canada M9W 1R3

THIS IS PART OF  
GRN 0A21487.5

Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program

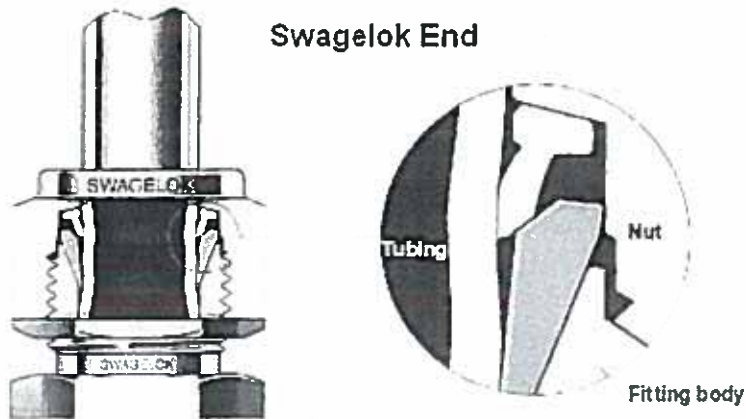
# Swagelok

Canadian Registration Number Submittal #M-TUBEFIT-2019  
Category A: Swagelok Monel Tube Fittings

March 14, 2019  
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## Product Description

Swagelok Fittings are furnished in a variety of configurations and shapes (straight, elbow, tee or cross). Swagelok Fittings consist of at least one Swagelok End – a proprietary two-ferrule mechanical-grip design. The "Configurations" section covers other available end connections.



THIS IS PART OF  
CRN 0A21487.5



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ATTACHMENT TO

C.R.N: CSA-0A21487.56

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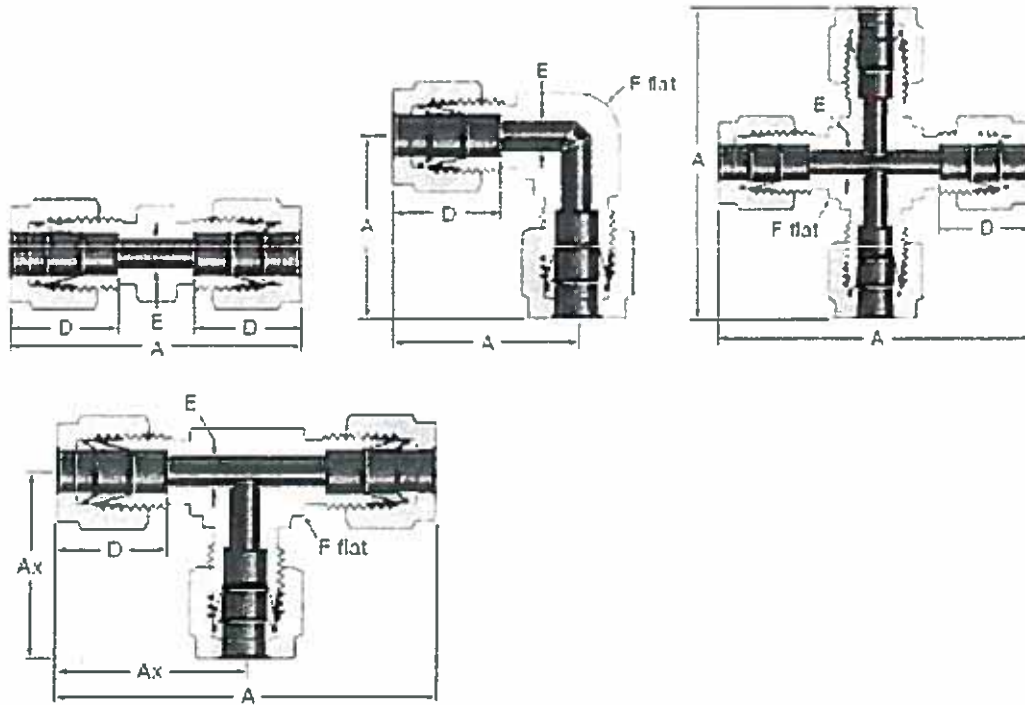
# Swagelok

Canadian Registration Number Submittal #M-TUBEFIT-2019  
Category A: Swagelok Monel Tube Fittings

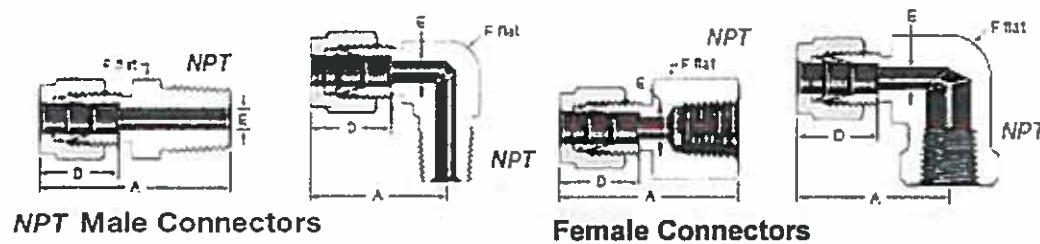
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## Configurations

### 1. Unions.



### 2. Male and Female connectors / adapters.



NPT Male Connectors

Female Connectors



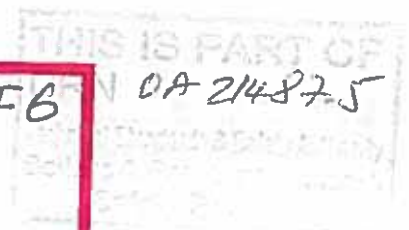
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Signed: [Signature]

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## Product Options:

Some of the product options listed below affect the pressure-temperature ratings in the "Scope of Registration" section above, but in all cases the pressure ratings are the same or less than those shown in the table.

1. Tapered pipe threads (NPT) with sealant.
  - a. Curable resin with PTFE
  - b. PTFE tape
2. Bored through fittings
3. Plastic ferrules (Nylon, Teflon, Peek)

Additional options that do not affect pressure and/or temperature ratings may be made available within the scope of this approval. Examples of these would include the following:

1. Special marking
2. Special cleaning
3. Wire drills
4. bulkhead configurations
5. Snubbers/frits and orifice plates
6. Equivalent metric or fractional hex sizes

Other options, not shown above, with pressure/temperature ratings equal to or less than shown in the Summary Table or do not affect pressure/temperature ratings may be made available under the scope of this approval

## Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains BSI Registration Number FM 01729, which applies to all locations listed on the Certificate.

## References

The product catalog does not represent the full scope of the registration but rather details some of the most common options.

- Gaugeable Tube Fittings and Adapter Fittings MS-01-140 Rev. Y
- Swagelok Tubing Data Sheet MS-01-107, Rev Q



## Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA	Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA
Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA	Swagelok Company (Falon 2) 358 Bishop Road Highland Heights, Ohio 44143 USA
Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA	Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA
Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Snow Metal) 6060 Cochran Road Solon, Ohio 44139 USA
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139
Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139	Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119
Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China	Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man



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 C.R.N. CSA-0A21487.56  
 Signed: [Signature]  
 100 Adelaide Boulevard Toronto, ON Canada M9W 1R3

Received  
 Date: \_\_\_\_\_  
 Name: \_\_\_\_\_