

## Statutory Declaration Registration of Fittings

**(a) Design Qualification**

I<sup>1</sup> 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 of state of Ohio

The 18<sup>th</sup> Day of march AD 2020

Brenda Hammel  
A (commissioner for oaths)

Joel Feldman  
Signature of Declarer<sup>3</sup>

For Official Use Only	
The application is accepted for registration in Category _____ 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.	
Registered Number CRN _____	For the Chief Inspector Date _____



1 Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Burdens 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 Brass Pipe Fittings (Category A)

This document represents the scope of Swagelok Brass Pipe Fittings covered by this submission for CRN approval. These Swagelok Pipe Fittings have been evaluated in accordance with ASME B31.1-2018 for unlisted components and ASME B31.3-2018 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		
Pipe Fittings  (See the Configurations section for size limitations on elbows, tees, and crosses.)	Brass C36000 (ASTM B16) for straight fittings	NPT Male 1/16 - 2 inch	5500 - 1900 psig	718 - 248 psig @400°F	ASME B31.3 (Unlisted Components)	
		ISO-7 (tapered) (RT) Male 1/16 - 2 inch				
		NPT Female 1/16 - 2 inch	3300 - 1900 psig	431 - 248 psig @400°F		
	ISO-7 (tapered) (RT) Female 1/16 - 2 inch					
	Brass C37700 (ASTM B283) for shaped fittings	NPT Male 1/16 - 2 inch	5500 - 1900 psig	4950 - 1710 psig @200°F		ASME B31.1 (Unlisted Components)
		ISO-7 (tapered) (RT) Male 1/16 - 2 inch				
NPT Female 1/16 - 2 inch		3300 - 1900 psig	2970 - 1710 psig @200°F			
ISO-7 (tapered) (RT) Female 1/16 - 2 inch						

### Product Description

Swagelok Pipe Fittings are furnished in a variety of configurations and shapes (straight, elbow, tee or cross). The table above, as well as the “Configurations” section, covers a variety of other end connections.



## Configurations

### 1. Nipples. (Close, Hex, Adapter, Reducing, Long)

Male NPT, adapting to RT (ISO Taper),  
and reducing to other sizes



### 2. Male and Female Adapters / Couplings / Reducers

Male and Female NPT, adapting to RT (ISO Taper) and reducing to other sizes



### 3. Elbows / Street Elbows / Tees / Street Tees / Crosses

Male and Female NPT, and reducing to other sizes

Elbows and Tees are limited to a maximum size of one-inch in **brass**.  
Crosses are limited to a maximum size of three-quarter-inch in **brass**.



### 4. Caps and Plugs

Male NPT, RT (ISO Taper)



## Product Options:

The product options listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than, or equal to, those shown in the table.

1. Sealant for tapered pipe threads (NPT and ISO-7):
  - a. Curable resin with PTFE
  - b. PTFE tape

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. Snubbers and orifice plates

All of the above options, those that affect pressure and/or temperature ratings and those that do not, are within 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 Certificate of 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.

- Pipe Fittings Catalog MS-01-147, Rev. P



## 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

