

Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

CRANE



This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Hoke Gyrolok Tube and Pipe Fittings	Scope of Registration, Appendix E of ER-GYROCRN
2		
3		
4		
5		

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Paul Wright Engineering Supervisor
(Name of the person in charge) (Title of the person in charge)

from Crane Instrumentation & Sampling, located at 405 Centura Court, Spartanburg, SC, 29303, USA
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or

☐ are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001, and has been verified by SAI Global
(Name of code) (Authorized agency)

Signature of the person in charge:

Paul Wright

Date (yyyy-mm-dd):

2021-09-03


3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>Spartanburg</u> , on <u>2021-09-03</u> (Location) (Date (yyyy-mm-dd)):	
Signature of commissioner for oaths: <u>Cymbeline L.E. Rogers</u>	Date (yyyy-mm-dd): <u>2021-09-03</u>
Stamp the seal: 	

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):	Registration date (yyyy-mm-dd):
	

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

Bureau d'expertise et d'homologation en équipements sous pression
Régie du bâtiment du Québec
545, boulevard Crémazie Est, 7^e étage
Montréal (Québec) H2M 2V2



ER-GYROCRN

Engineering Report


Title Qualification of Hoke Gyrolok Tube and Pipe
Fittings by Burst Test and Similarity

REV.
DATE:
PAGE:

B
14-FEB-2022
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Scope of Registration

Description	Connection Type & Size Range	Material	Minimum Design Metal Temperature (MDMT)	Max. Allowable Working Pressure		Design Code of Construction
				MDMT to 100°F	At Maximum Temperature	
Gyrolok Tube and Pipe Fittings	Gyrolok® Compression Fitting Ends Sizes 1/8" to 1"	F316/L SST (ASTM A182 / ASME SA-182) (Shaped fittings)	-20°F for ASME B31.1 applications -40 °F/°C	SEE TABLE BELOW	SEE TABLE BELOW	ASME B31.1 (UNLISTED COMPONENTS) & ASME B31.3 (UNLISTED COMPONENTS)
	Male NPT 1/16" to 2" Male ISO-7 (tapered) 1/8" to 2"			10,975 psig to 3800 psig 7000 psig to 2900 psig @ 1000°F	ASME B1.20.1	
	Female NPT 1/16" to 2" Female ISO-7 (tapered) 1/8" to 2"	7000 psig to 3000 psig 4700 psig to 2300 psig @ 1000°F				

 ER-GYROCRN	<p align="center">Engineering Report</p> <p align="center">Title Qualification of Hoke Gyrolok Tube and Pipe Fittings by Burst Test and Similarity</p>	REV. DATE: PAGE:	<p align="center">B</p> <p align="center">14-FEB-2022</p> <p align="center">232 OF 232</p>
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Scope of Registration (cont'd)

Gyrolok End Connection Size	MAWP at temps. up to 100°F	MAWP at temps. at 1000°F (max. temp.)
1/8 in.	8421 psig	6442 psig
1/4 in.	7542 psig	5749 psig
3/8 in.	6710 psig	5133 psig
1/2 in.	5795 psig	4433 psig
9/16 in.	5461 psig	4178 psig
5/8 in.	5045 psig	3860 psig
3/4 in.	4213 psig	3223 psig
13/16 in.	3797 psig	2905 psig
7/8 in.	3381 psig	2586 psig
15/16 in.	2965 psig	2268 psig
1 in.	2584 psig	1977 psig