

June 26, 2022

Attention: Tanya Francis TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, tracking number 2022-03079, originally received on June 01, 2022 was surveyed and accepted for registration as follows:

CRN : 0A23909.52

Reg Type: NEW DESIGN

Accepted on: June 26, 2022 Expiry Date: April 13, 2032

Drawing No. : SCOPE OF REGISTRATION

Fitting type: GYROLOK TUBE & PIPE FITTINGS

Design registered in the name of : CRANE INSTRUMENTATION SAMPLING INC

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fitting.

- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,

DICK, ASHLING, P. Eng. DOP Cert. No. D00007936



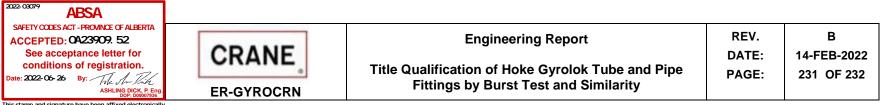
Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



	TORY DECLARATION
	Registration of Fittings
I, Paul Wright Engineering Supe	
(Name and Position,	e.g. President, Plant Manager, Chief Engineer)
of Crane Instrumentation & Sampling	
	(Name of Manufacturer)
Located at 405 Centura Court, Spartanburg, SC, 29303,	USA
(Plant Address)	(Telephone No.) (Fax No.)
do solemnly declare that the fittings listed hereur and Pressure Vessels Regulation, comply with a	nder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers all of the requirements of
ASME B31.1 2020 Ed. (Unlisted Components)/ASME	E B31.3 2020 Ed. (Unlisted Components)
	ognized North American Standard)
which speciles the dimensions, materials of construct	ction, pressure/temperature ratings, identification marking the fittings and service;
as support	ized North American standard and are therefore manufactured to comply with ted by the attached data which identifies the dimensions, material of construction, ch ratings, the marking of the fitting for identification and service.
I further declare that the manufacture of these fittings is a <u>ISO 9001</u> which has been verified by the following. The items covered by this declaration, for which I seek registrations the following information and/or test data are a ER-GYROCRN	ation, are category <u>A</u> type fittings. In support of
	ngs, calculations, test reports, etc.)
Declared before me at <u>Spectarbur</u> the <u>3</u> ¹⁰ day of <u>Sphemberar</u>	j in the State of South and me
Commissioner for Oaths: (44) et he LE Rogett (Printed name) (Printed name) (Signature)	Signature of Declarer)
FOI To the best of my knowledge and belief, the application me Technical Standards and Safety Act, Boilers and Pressu CSA Standard B51 and is accepted for registration in Cate	ure Vessels Regulation, and SAFETY CODES ACT - PROVINCE OF ALBERTA agory ACCEPTED: 0A23909. 52
CRN:	See acceptance letter for conditions of registration. Date: 2022-06-26 By: 1.1 A The
Registered by:	- Pile J W Julk ASHLING DICK, P. Eng. DOP: D00007936
Dated:	This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.
NOTE: This registration expires on:	

PV 09553 (06/16) ** See attached Scope of Registration.

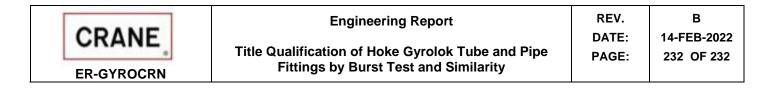


This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Scope of Registration

	Connection Type & Size Range	Material	Minimum Design Metal Temperature (MDMT)	Max. Allowable Working Pressure		
Description				MDMT to 100°F	At Maximum Temperature	Design Code of Construction
Gyrolok Tube and Pipe Fittings	Gyrolok® Compression Fitting Ends Sizes 1/8" to 1"	F316/L SST (ASTM A182 /	-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"	ASTM A182 / ASME SA-182) (Shaped fittings) 316/L SST (ASTM A479 / ASME SA-479)		10,975 psig to 3800 psig	7000 psig to 2900 psig @ 1000°F	
	Female NPT 1/16" to 2" Female ISO-7 (tapered) 1/8" to 2"	(Straight Fittings)		7000 psig to 3000 psig	4700 psig to 2300 psig @ 1000°F	ASME B1.20.1 THIS IS PART OF CRN 0A23909.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

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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	

THIS IS PART OF CRN		
0A23909.5		
Technical Standards and Safety Authority		
Boilers and Pressure Vessels Safety Program		

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