

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



STATUTORY DECLARATION Registration of Fittings		
I, Paul Wright Engineering Supervisor	,	
(Name and Position, e.g. President, Plant Manager, Chief E	ngineer)	
of Crane Instrumentation & Sampling		
(Name of Manufacturer)		
Located at 405 Centura Court, Spartanburg, SC, 29303, USA		
	Telephone No.) (Fax No.)	
do solemnly declare that the fittings listed hereunder, which are subject to the <i>T</i> and Pressure Vessels Regulation, comply with all of the requirements of	echnical Standards and Safety Act, Boilers	
ASME B31.1 2020 Ed. (Unlisted Components)/ASME B31.3 2020 Ed. (Unlisted Compo	nents)	
( <i>Title of recognized North American Standard</i> ) which specifies the dimensions, materials of construction, pressure/temperature ratings	, identification marking the fittings and service:	
······································	,	
or are not covered by the provisions of a recognized North American standard a	nd are therefore manufactured to comply with entifies the dimensions, material of construction,	
pressure/temperature ratings and the basis for such ratings, the marking of the fit		
I further declare that the manufacture of these fittings is controlled by a quality system m	eeting the requirements of	
	tuno fittingo In ourport of	
The items covered by this declaration, for which I seek registration, are category <u>A</u> this application, the following information and/or test data are attached as follows:	type fittings. In support of	
ER-GYROCRN		
(drawings, calculations, test reports, etc.)		
Declared before me at <u>Spectanburg</u> in the <u>Start</u>	e south and ma	
the 312 day of September AD 2021	UDTAR L	
Commissioner for Oaths:		
Civilial DE Rospic	PUBLIC	
(Printed name)	77. 09-09-2025 0	
(malicenza) Tot groups ha	1 SOUTH CAN	
(Signature)	(Signature of Declarer)	
FOR OFFICE USE ONLY	TechnicalBoilers andStandardsPressure Vessels	
To the best of my knowledge and belief, the application meets the requirements of the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, and	and Safety Safety Program	
CSA Standard B51 and is accepted for registration in Category'A'	Authority	
CRN:	REGISTERED	
Registered by:	C.R.N.: 0A23909.5	
Dated:	Signed: Jacue Trob	
NOTE: This registration expires on: <u>Apr. 13, 2032</u>	Date: April 13, 2022.	

PV 09553 (06/16)

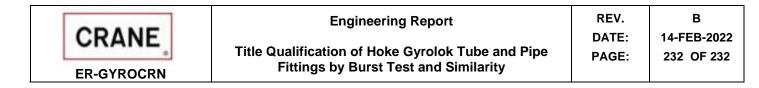
Note: See attached documents for Scope of Registration

CRANE	Engineering Report	REV.	В
CRANE	Title Qualification of Hoke Gyrolok Tube and Pipe	DATE: PAGE:	14-FEB-2022 231 OF 232
ER-GYROCRN	Fittings by Burst Test and Similarity		

## Scope of Registration

	Connection	Material	Minimum Design Metal Temperature (MDMT)	Max. Allowable Working Pressure		
Description	Type & Size Range			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 / ASME SA-182) (Shaped fittings) 316/L SST (ASTM A479 / ASME SA-479)		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"		-20°F for ASME B31.1 applications -40 °F/°C	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

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