

January 27, 2021

**Attention:** Liang Mi  
A R THOMSON GROUP  
215 CLEARSKYE WAY  
RED DEER, AB T4E 0A1

The design submission, tracking number 2020-05765, originally received on December 01, 2020 was surveyed and accepted for registration as follows:

**CRN :** 0H21213.2

**Accepted on:** January 27, 2021

**Reg Type:** NEW DESIGN

**Expiry Date:** January 27, 2031

**Drawing No. :** 8T182802 Rev 02

**Fitting type:** FLANGE ADAPTER

Design registered in the name of : BMT CO LTD

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

*\*\* The flange adapter are made up of two parts machined together as one piece: 0A18364.52 Superlok 'SU' tube fitting & ASME B16.5 flange*

*\*\* The MAWP of the flange adapter is the lower maximum allowable working pressure of either the Superlok 'SU' tube fitting or the ASME B16.5 flange*

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is 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 fittings.*
- 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.



the pressure equipment safety authority

9410 - 20 Ave N.W.  
Edmonton, Alberta, Canada T6N 0A4  
Tel: (780) 437-9100 / Fax: (780) 437-7787

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January 27, 2021  
DOP Cert. No. D00007936

**STATUTORY DECLARATION  
Registration of Fittings**

I, Jong Chan, Yoon, President  
(name of applicant) (position title) (must be in a position of authority)  
of BMT Co., Ltd.  
(name of manufacturer)

located at 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea  
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- ☐ comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- ☒ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 - 2018 as supported by the attached (title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001-HSB as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

SFLA Flange Adapter

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

**\*\*** DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package

DECLARED before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
(city) (province or state)

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
(Month) (Year)

(print) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

(sign) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

JC Yoon  
(signature of applicant)

**For ABSA Office Use Only:**

NOTES: **\*\* Drawing 8T182802 registered.**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_

Registration Number: \_\_\_\_\_

Date Registered: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

The information you provide is necessary only for the administration of the programs as required by the Pressure Equipment Discipline.



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.

This form may be used to document the Design Scope for fittings that require registration in accordance with the PESR s14 and s17. In each column, provide the information required or list the document number where the information can be found. If the column is not applicable to the fitting design, then indicate N/A.

**Note:** This form shall be completed and submitted with Form AB-41 Statutory Declaration Registration of Fittings.

Product Description	Primary Pressure Bearing/ Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F	- ## °F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #

**FOR ABSA USE ONLY:**  
Reference Tracking No. \_\_\_\_\_



SFLA Flange Adaper	Body	See DWG # 8T1828	Tube Compression End x ASME B16.5 Flange	See DWG # 8T1828	See DWG # 8T1828	See DWG # 8T1828	See DWG # 8T1828	ASME B31.3	8T1828

\*\* Drawing 8T182802 Rev 02 regsitered.

1. UNITS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

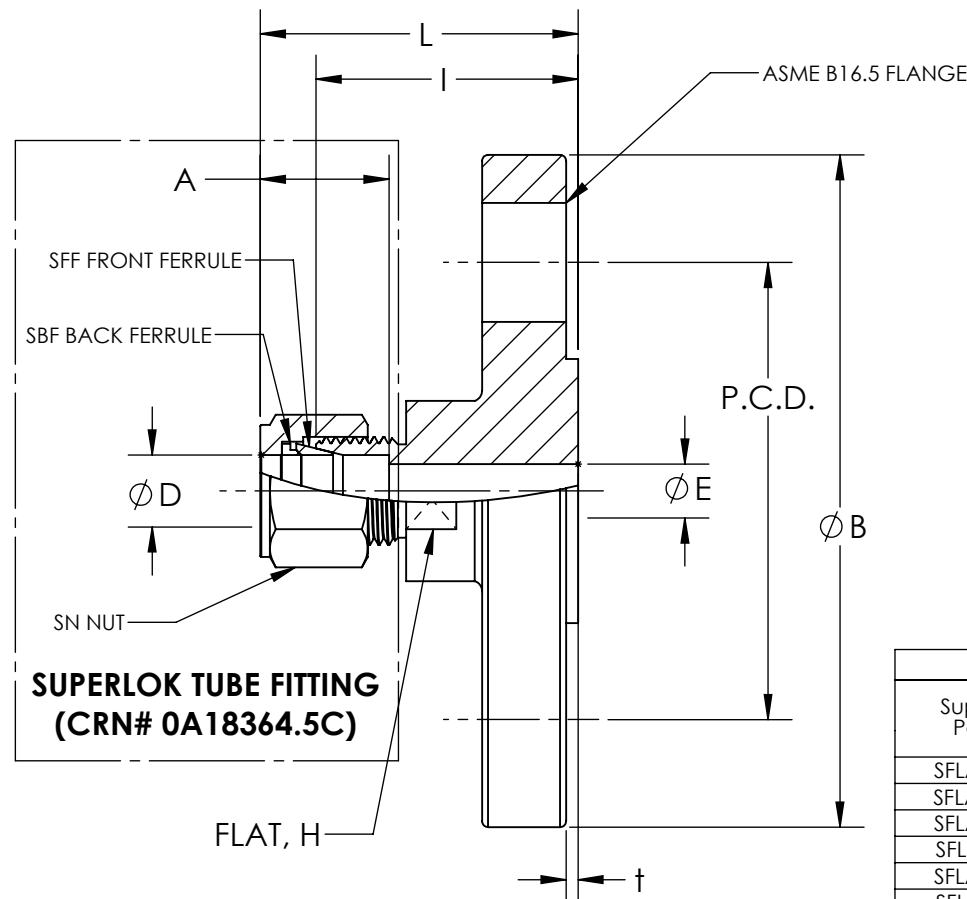
2. THE NOTES, MINIMUM TEMPERATURES, AND ALLOWABLE STRESSES FOR COMPARABLE GRADES OF A 240 MATERIALS SHALL APPLY AS PER ASME B31.3

3. NOTES FOR APPENDIX A TABLES

4. THE SPECIFICATION PERMITS ASTM A240 Gr.316/316L TO BE FURNISHED WITHOUT SOLUTION HEAT TREATMENT OR WITH OTHER THAN A SOLUTION HEAT TREATMENT. WHEN THE MATERIAL HAS NOT BEEN SOLUTION HEAT TREATED, THE MINIMUM TEMPERATURE SHALL BE -29°C (-20°F) UNLESS THE MATERIAL IS IMPACT TESTED PER PARA. 323.3 O ASME B31.3-2018.

5. FOR TEMPERATURES ABOVE 538°C (1000°F), THESE STRESS VALUES APPLY ONLY WHEN THE CARBON CONTENT IS 0.04% OR HIGHER.

6. THE SUPERLOK TUBE FITTING USED ON THE FLANGE ADAPTER IS IDENTICAL TO THE DESIGN APPROVED IN SUPERLOK TUBE FITTING CRN# 0A18364.5C.



**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.**

Pressure Rating Information	
Flange	Per ASME B16.5
Superlok Tube Fitting (CRN# 0A18364.5C)	See "Superlok Tube Fitting (Type "SU") Pressure Rating Table"
Assembly	Pressure Ratings For Fittings With A Flange End Connection And Another End Connection Are Determined By The Connection With The Lower Pressure Rating.

Dimensional Information (NOTE 5)											
Superlok Part #	Tube O.D.	Flange Size	Class	Dimensions (mm)							
				A	ØB	P.C.D.	ØE	I	L	H	†
SFLA-4-8A	1/4"	1/2"	150	15.2	90	60.3	4.8	33.1	48.3	17.4	2
SFLA-4-8C	1/4"	1/2"	600	15.2	95	66.7	4.8	42.8	48.3	17.4	7
SFLA-6-8A	3/8"	1/2"	150	16.8	90	60.3	7.1	34.7	48.3	17.4	2
SFLA-6-8B	3/8"	1/2"	300	16.8	95	66.7	7.1	48.3	48.3	17.4	2
SFLA-8-8A	1/2"	1/2"	150	22.9	90	60.3	10.4	48.3	48.3	20.6	2
SFLA-8-8B	1/2"	1/2"	300	22.9	95	66.7	10.4	48.3	48.3	20.6	2
SFLA-8-8C	1/2"	1/2"	600	22.9	95	66.7	10.4	48.3	48.3	22.2	7
SFLA-8-8E	1/2"	1/2"	1500	22.9	120	82.6	10.4	48.3	48.3	22.2	7
SFLA-8-12A	1/2"	3/4"	150	22.9	100	69.9	10.4	48.3	48.3	20.6	2
SFLA-8-12B	1/2"	3/4"	300	22.9	115	82.6	10.4	48.3	48.3	22.2	2
SFLA-8-12C	1/2"	3/4"	600	22.9	115	82.6	10.4	48.3	48.3	22.2	7
SFLA-8-16A	1/2"	1"	150	22.9	108	79.3	10.4	48.3	48.3	28.6	2
SFLA-8-16C	1/2"	1"	600	22.9	125	88.9	10.4	48.3	48.3	22.2	7
SFLA-8-24B	1/2"	1-1/2"	300	22.9	155	114.3	10.4	48.3	48.3	41.2	2
SFLA-8-32A	1/2"	2"	150	22.9	150	120.7	10.4	48.3	48.3	50.8	2
SFLA-8-32B	1/2"	2"	300	22.9	165	127	10.4	48.3	48.3	50.8	2
SFLA-12-12A	3/4"	3/4"	150	24.4	100	69.9	15.8	48.3	48.3	28.6	2
SFLA-12-12C	3/4"	3/4"	600	24.4	115	82.6	15.8	48.3	48.3	31.7	7
SFLA-12-16A	3/4"	1"	150	24.4	110	79.4	15.8	48.3	48.3	28.6	2
SFLA-16-16A	1"	1"	150	31.2	110	79.4	22.4	48.3	48.3	38.1	2
SFLA-24-32A	1-1/2"	2"	150	50	150	120.7	34	48.3	48.3	51	2
SFLA-32-32A	2"	2"	150	67.6	150	120.7	46	48.3	48.3	70	2

S (ksi) - BASIC ALLOWABLE STRESS (ASME B31.3 TABLE A-1)  
MAWP (psi) - SUPERLOK "SU" TUBE FITTING PRESSURE RATING

GENERAL TOLERANCES[in]

Special Req.



unless otherwise stated

ANGULAR DIMENSIONS

MACHINED	$\pm 0.30'$
LOCATING	$\pm 0.30'$
FORMED	$\pm 2^{\circ}$
CHAMFER	$\pm 5^{\circ}$

01	A1	Removed note'.... <i>do not represent the full scope</i> ....'	LM	01	17	12	20
02	A5	Updated CRN information	LM	02	09	01	21
03	A7	Updated CRN information	LM	02	09	01	21
No	Zone	Change	Rev	DCN	DATE		
					D	M	Y

## Flange Adapter CRN Design Drawing


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Designed By	-	-		
Drawn By	LM	16/11/20		
Reviewed By	TC	16/11/20		
Path of File		D	M	Y
		DATE		
Ref Dwg No				
Scale		Drawing Size		
		A3		
-				

ART	8T	1828	02
Logo	Group	Sequence	Revision


# **UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: 35, Sanmakgongdanam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdanam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<b>Category of Fittings to be registered. Circle one Category only.</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>Title of the Standard of Construction</b>  ASME B31.3 - 2018
<b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b>  	<b>Type of Construction</b> Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

## **Declaration:**

I, Jong Chen, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-HSS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: JC Yoon

Declared before me at \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

Commissioner of Oaths

Or Notary Public: (sign) \_\_\_\_\_

(Affix Official seal to the right)

Use this space for the Official Seal

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0H21213.2</u> FID#: <u>15311</u> Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME B16.5 flange. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. B16.5 flange. CRN expires Jan.27th, 2031 - DG	<p align="center"><b>ACCEPTED</b></p> <p align="center"><b>PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND &amp; ENVIRONMENT</b></p> <p>C.R.N. <u>0H21213.29</u>                  DATE: <u>Feb 12 2021</u></p> <p align="center"><u>Jerry McCabe</u>  <b>INSPECTION SERVICES SECTION</b>  <b>BOILER/PRESSURE VESSEL BRANCH</b></p> <p align="right">Fittings Rev.2</p>




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Show Manufacturers Name, Trademark, or Logo as it will appear on the product:  	<b>Type of Construction</b> Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

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Signature of Declarer: JC Yoon

Declared before me at \_\_\_\_\_

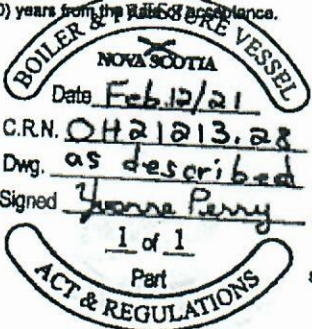
This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

Commissioner of Oaths

Or Notary Public: (sign) \_\_\_\_\_

Use this space for the Official Seal

(Affix Official seal to the right)

CRN: <u>0H21213.2</u> FID#: <u>15311</u> Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok "SU" tube fitting or the ASME 1. All fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. B16.5 flange 11/2016 CRN expires Jan.27th, 2031 - DG	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.  Date <u>Feb 12/21</u> C.R.N. <u>0H21213.28</u> Dwg. <u>as described</u> Signed <u>Yvonne Perry</u> 1 of 1 Part ACT & REGULATIONS Sect 1.0 - Fittings Rev.2
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# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

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<b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b>  	<b>Type of Construction</b> Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

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Signature of Declarer: J. Yoon


Declared before me at \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

Commissioner of Oaths

Or Notary Public: (sign) \_\_\_\_\_

(Affix Official seal to the right)

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.  CRN: <u>0H21213.2</u> FID#: <u>15311</u> Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. B16.5 flange. 11/2016 CRN expires Jan.27th, 2031 - DG	Use this space for the Official Seal  DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT REGISTRATION ONLY CRN <u>0H21213.27</u> <u>Ram Arora</u> CHIEF BOILER INSPECTOR DATE <u>2/12/21</u> Sect 1.0 - Fittings Rev.2 <input type="checkbox"/> BLRs <input checked="" type="checkbox"/> PVs <input checked="" type="checkbox"/> FITTINGS <input type="checkbox"/> NUCLEAR COMPONENTS
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<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

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Signature of Declarer: J. Yoon

Declared before me at \_\_\_\_\_

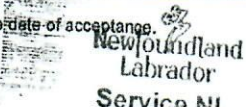
This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

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# **UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

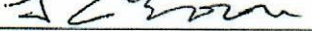
Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: 35, Sanmakgongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<b>Category of Fittings to be registered. Circle one Category only</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>Title of the Standard of Construction</b>  ASME B31.3 - 2018
<b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b>  	<b>Type of Construction</b> Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

**Declaration:**

I, Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-HSB as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at \_\_\_\_\_

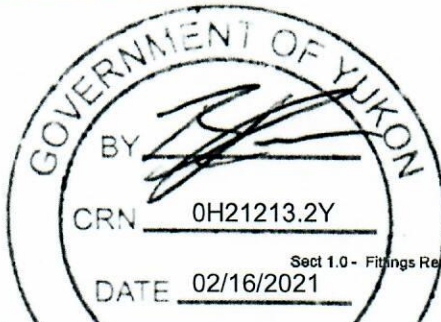
This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

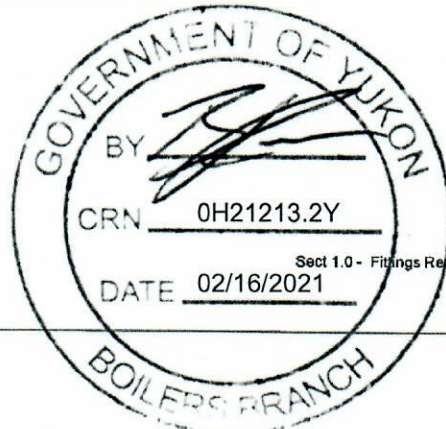
Commissioner of Oaths

Or Notary Public: (sign) \_\_\_\_\_

(Affix Official seal to the right)

Use this space for the Official Seal

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0H21213.2</u>	
FID#: <u>15311</u>	
Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME	
1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.	
B16.5 flange . 11/2016	
CRN expires Jan.27th, 2031 - DG	






# **UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: 35, Sanmakgongdennam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdennam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<b>Category of Fittings to be registered. Circle one Category only</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>Title of the Standard of Construction</b>  ASME B31.3 - 2018
Show Manufacturers Name, Trademark, or Logo as it will appear on the product  	<b>Type of Construction</b> Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	

**Declaration:**

I Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: JCY

Declared before me at \_\_\_\_\_

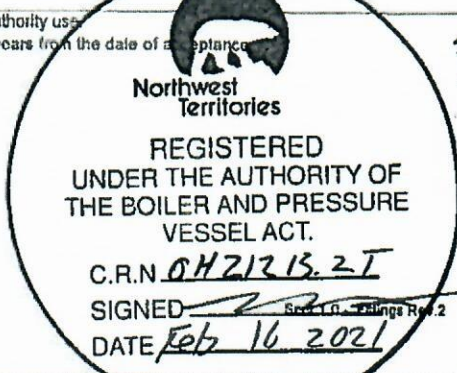
This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_

Commissioner of Oaths

Or Notary Public: (sign) \_\_\_\_\_

Use this space for the Official Seal

(Affix Official seal to the right)

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance CRN: <u>0H21213.2</u> FID#: <u>15311</u> Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. B16.5 flange 11/2016 CRN expires Jan.27th, 2031 - DG	 <p align="center">                     Northwest Territories  <b>REGISTERED</b>                      UNDER THE AUTHORITY OF                      THE BOILER AND PRESSURE                      VESSEL ACT.                      C.R.N. <u>0H21213.2</u>                      SIGNED <u>[Signature]</u>                      DATE <u>Feb 16 2021</u> </p>
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716200




# **UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: 35, Sanmakgongdanum 11-gil Yongsan-Si, Gyeongangnam-do Korea	
Plant Locations: 35, Sanmakgongdanum 11-gil Yongsan-Si, Gyeongangnam-do Korea	
<b>Category of Fittings to be registered. Circle one Category only</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>Title of the Standard of Construction</b>  ASME B31.3 - 2018
<b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b>  	<b>Type of Construction</b> Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Machined
<b>List of supporting documentation and identification of the actual items to be registered:</b> DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package	


**Declaration:**

I Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: J. C. Yoon  
 Declared before me at \_\_\_\_\_  
 This \_\_\_\_\_ day of \_\_\_\_\_ AD \_\_\_\_\_  
 Commissioner of Oaths  
 Or Notary Public: (sign) \_\_\_\_\_

Use this space for the Official Seal

(Affix Official seal to the right)

CRN: <u>0H21213.2</u> FID#: <u>15311</u> Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME B16.5 flange. 11/2015 CRN expires Jan.27th, 2031 - DG	<p align="center">This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.</p> <div align="center">   <b>NUNAVUT</b>                  Boilers and                  Pressure Vessels Act  <b>REGISTERED</b>                  CRN <u>0H21213.2.N</u>                  Date <u>Feb 12, 2021</u> (Sect 1.0 - Fittings Rev.2)                  Signed <u>[Signature]</u>                  Chief Inspector                  Territorial Registration Fee             </div>
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ALBERTA BOILERS SAFETY ASSOCIATION  
9410 20 AVENUE NW  
EDMONTON AB T6N 0A4

**Date:** March 3, 2021  
**Account #:** 34986  
**Journal #:** 77369

**Attn:** NATHALIE DUGO

**Re:** Application for Design Registration

The design, as detailed in your, BMT CO LTD 2020-05765, for a Fitting is accepted for registration as follows:

**Registered To:** BMT CO LTD **CRN:** 0H21213.21

**Drawing #:** 8T182802

**Drawing Revision:** 02

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

**Reviewer's Notes:**

As required by CSA B51 4.2.1, this registration expires on 27-Jan-2031. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void. Any additional conditions of registration stated in ABSA CRN# 0H21213.2 registration shall apply to BC registration.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Janina Mihailescu

janina.mihailescu@technicalsafetybc.ca  
Design Administration

**cc:**



Inspection and Technical Services  
Municipal Relations  
508-401 York Ave  
Winnipeg, Manitoba Canada R3C 0P8  
T 204-945-3373 F 204-948-2089  
[www.firecomm.gov.mb.ca/itsm\\_main](http://www.firecomm.gov.mb.ca/itsm_main)

2/5/2021

ABSA  
9410 - 20 Avenue NW  
Edmonton, AB T6N 0A4  
CA

Dear Nathalie Dugo

**Re: Reciprocal CRN Registration in Manitoba**

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R1275  
CRN: 0H21213.24  
Scope: 8T182802 Rev 02  
Manufacturer: BMT CO LTD  
Expiry Date: 27/Jan/31

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact [qasupport@gov.mb.ca](mailto:qasupport@gov.mb.ca) for any questions or concerns.

Inspection and Technical Services  
Municipal Relations  
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8  
T (204) 945-3373 | F (204) 948-2089

Montréal, le 17 février 2021.

MRS. NATHALIE DUGO  
ABSA  
9410 - 20 AVENUE N.W.  
EDMONTON ALBERTA  
CANADA T6N 0A4

Manufacturer : BMT CO LTD  
35 SANMAKGONGDANNAM 11-GIL  
YANGSAN-SI GYEONGGI-DO  
KOREA 050568

OUR REFERENCE : 949973  
Design number : 8T182802 REV 02

**Subject: Design registration confirmation**

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0H21213.26.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

**Montréal**

545, boul. Crémazie Est, 7ième étage  
Montréal (Québec) H2M 2V2  
Téléphone : 514 873-6459  
Sans frais : 1 866 262-2084  
[www.rbq.gouv.qc.ca](http://www.rbq.gouv.qc.ca)

Montréal, 17 février 2021.

MADAME NATHALIE DUGO  
ABSA  
9410 - 20 AVENUE N.W.  
EDMONTON ALBERTA  
CANADA T6N 0A4

Fabricant : BMT CO LTD  
35 SANMAKGONGDANNAM 11-GIL  
YANGSAN-SI GYEONGGI-DO  
KOREA 050568

Numéro de dossier : 949973  
Numéro(s) de dessin(s) : 8T182802 REV 02

**Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement**

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0H21213.26**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

**Montréal**

545, boul. Crémazie Est, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

[www.rbq.gouv.qc.ca](http://www.rbq.gouv.qc.ca)



## 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)

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](http://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	SFLA Flange Adapter	DWG# 8T182800
2		CRN# 0A18364.52 Approval letter & Registration Package
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.

<b>2.1 Design</b>	
I, the undersigned, <u>Jong Chan, Yoon</u>	<u>President</u>
(Name of the person in charge)	(Title of the person in charge)
from <u>BMT Co., Ltd.</u>	located at <u>35, Sanmakgongdannam 11-gil Yangsan-Si, Korea</u>
(Company's name)	(Plant's address)
hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:	
<input type="checkbox"/> comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or <input checked="" type="checkbox"/> are not covered by the ANSI/ASME codes, but are in compliance with <u>ASME B31.3 - 2018</u> (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.	
<b>2.2 Manufacturing quality control</b>	
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: <u>ASME</u> , and has been verified by <u>ISO 9001-HSB</u>	
(Name of code) (Authorized agency)	
Signature of the person in charge: <u>JC Yoon</u>	Date (yyyy-mm-dd): <u>2020-11-30</u>

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____.	
(Location)	(Date (yyyy-mm-dd)):
Signature of commissioner for oaths:	Date (yyyy-mm-dd):
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):
	0H21213.26 15-fevr-2021



#### 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 necessary to submit an application for design registration. Design registration applications must be sent by email only to [enregistrementdesplans@rbq.gouv.qc.ca](mailto:enregistrementdesplans@rbq.gouv.qc.ca).

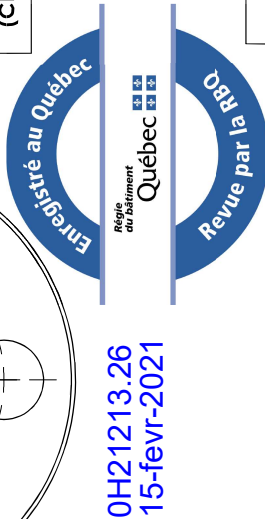
Documents must be in PDF format and in separate files.

01

1. UNITS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
2. THE NOTES, MINIMUM TEMPERATURES, AND ALLOWABLE STRESSES FOR COMPARABLE GRADES OF A 240 MATERIALS SHALL APPLY AS PER ASME B31.3 NOTES FOR APPENDIX A TABLES.
3. THE SPECIFICATION PERMITS ASTM A240 GR-316/316L TO BE FURNISHED WITHOUT SOLUTION HEAT TREATMENT OR WITH OTHER THAN A SOLUTION HEAT TREATMENT. WHEN THE MATERIAL HAS BEEN SOLUTION HEAT TREATED, THE MINIMUM TEMPERATURE SHALL BE  $-29^{\circ}\text{C}$  ( $-20^{\circ}\text{F}$ ) UNLESS THE MATERIAL IS IMPACT TESTED PER PARA. 323.3 OF ASME B31.3-2018.
4. FOR TEMPERATURES ABOVE  $538^{\circ}\text{C}$  ( $1000^{\circ}\text{F}$ ), THESE STRESS VALUES APPLY ONLY WHEN THE CARBON CONTENT IS 0.04% OR HIGHER. THE SUPERLOK TUBE FITTING USED ON THE FLANGE ADAPTER IS IDENTICAL TO THE DESIGN APPROVED IN SUPERLOK TUBE FITTING CRN# 0A 18364.5C. 02



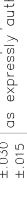
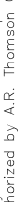
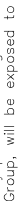
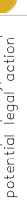


\* PRESSURE RATING @ ELEVATED TEMP CALCULATION:  
 $\text{MAWP (@ DESIGN TEMP)} = \text{MAWP (@ ROOM TEMP)} * S$

S (ksi) - BASIC ALLOWABLE STRESS (ASME B31.3 TABLE A-1)  
MAWP (psi) - SUPERLOK "SU" TUBE FITTING PRESSURE RATING



Material Construction Information		MDMT
Component Name	Material Specification	-425°F
Superlo <sup>®</sup> SU Tube Fitting (CEN# OA 18364.5C)	Flange	ASTM A182 Gr.F316/316L
	Front Ferrule	ASTM A193 88M
	Back Ferrule	ASTM A193 88M
	Nut	ASTM A276 Gr.316/316L

NOTICE: This document and the information herein contained are the confidential and exclusive property of A.R. Thomson Group. Any person making use of such property, except as expressly authorized by A.R. Thomson Group, will be exposed to potential legal action.

Material Spec: Stamping Info		3RD ANGLE PROJECTION		GENERAL TOLERANCES[mm]		NOTICE: This document and the information herein contained are the confidential and proprietary information of A.R. Thomson Group. Any person or company who receives this document or information, in whole or in part, as expressly authorized by A.R. Thomson Group, will be exposed to potential legal action.												A.R. Thomson Group											
Special Req: <div>S</div>				X.X		-	± 0.30	01 A1 Removed note ..... do not represent the full scope..... 02 A1 Updated CRN information 03 A7 Updated CRN information												Designed By LM 01 17 20 Drawn By LM 02 09 01 21 Reviewed By LM 02 09 01 21 Path of File D   M   Y DATE		Flange Adapter CRN Design Drawing							
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Ref Eng No												Drawing Size A3		1828		8T		ART Logo		Revision 02	
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Scale - Rev DCN DATE												1828		8T		ART Logo		Revision 02			
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Ref Eng No												Drawing Size A3		1828		8T		ART Logo		Revision 02	
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				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Ref Eng No												Drawing Size A3		1828		8T		ART Logo		Revision 02	
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Ref Eng No												Drawing Size A3		1828		8T		ART Logo		Revision 02	
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						
unless otherwise stated				X.X		-	± 0.30	Ref Eng No												Drawing Size A3		1828		8T		ART Logo		Revision 02	
				X.XXX		-	± 0.05																						
				FRACTIONAL		-	± 1/32																						
				ANGLES		-	± 1/2°																						



**REGISTRATION OF A PRESSURE FITTING DESIGN**

18-Feb-21

ABSA  
9410 20th Avenue NW  
Edmonton, AB  
T6N 0A4**Attention: Nathalie Dugo****File Number: 11900 [ 0 F]****Re: Manufacturer: BMT Co., Ltd.**  
**Item: Flange Adapter**  
**Catalog or Drawing: Per Scope of Registration & 8T1828 Rev. 02**

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

**OH21213.23      Expiry Date: January 27, 2031**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.  
Codes and Standards Compliance**Remarks:**

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Superlok Tube Fitting (OA18364.53) must have a valid Saskatchewan CRN.

Due to COVID-19 restrictions, this registration is conditional based on TSASK receiving a valid Statutory Declaration that has been witnessed and signed by a Commissioner of Oaths or a Notary Public at your earliest convenience.

1. UNITS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

2. THE NOTES, MINIMUM TEMPERATURES, AND ALLOWABLE STRESSES FOR COMPARABLE GRADES OF A 240 MATERIALS SHALL APPLY AS PER ASME B31.3

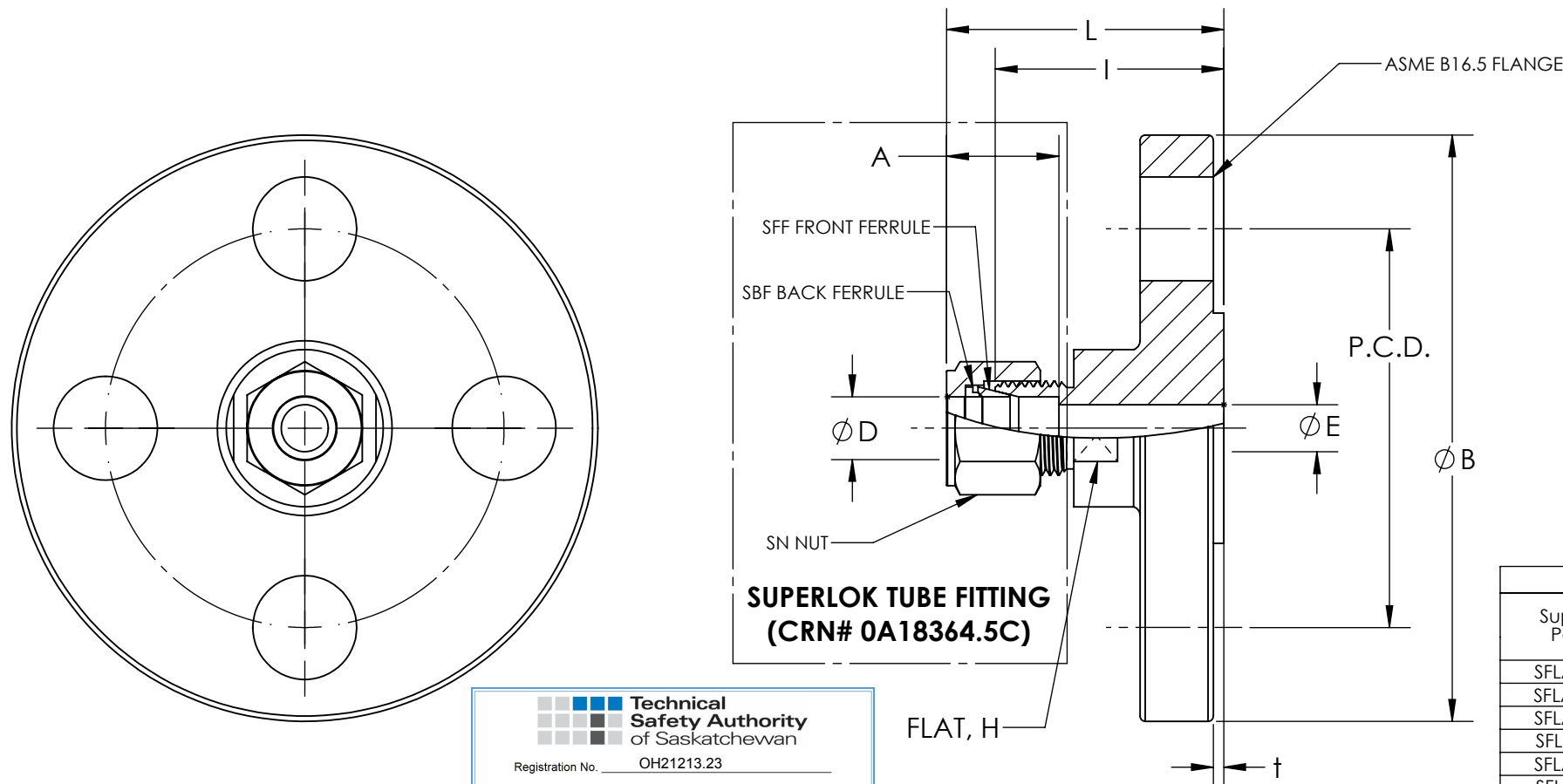
3. NOTES FOR APPENDIX A TABLES

4. THE SPECIFICATION PERMITS ASTM A240 Gr.316/316L TO BE FURNISHED WITHOUT SOLUTION HEAT TREATMENT OR WITH OTHER THAN A SOLUTION HEAT TREATMENT. WHEN THE MATERIAL HAS NOT BEEN SOLUTION HEAT TREATED, THE MINIMUM TEMPERATURE SHALL BE -29°C (-20°F) UNLESS THE MATERIAL IS IMPACT TESTED PER PARA. 323.3 O ASME B31.3-2018.

5. FOR TEMPERATURES ABOVE 538°C (1000°F), THESE STRESS VALUES APPLY ONLY WHEN THE CARBON CONTENT IS 0.04% OR HIGHER.

THE SUPERLOK TUBE FITTING USED ON THE FLANGE ADAPTER IS IDENTICAL TO THE DESIGN APPROVED IN SUPERLOK TUBE FITTING CRN# 0A18364.5C.

S (ksi) - BASIC ALLOWABLE STRESS (ASME B31.3 TABLE A-1)  
MAWP (psi) - SUPERLOK "SU" TUBE FITTING PRESSURE RATING



Dimensional Information (NOTE 5)											
Superlok Part #	Tube O.D.	Flange Size	Class	Dimensions (mm)							
				A	ØB	P.C.D.	ØE	I	L	H	t
SFLA-4-8A	1/4"	1/2"	150	15.2	90	60.3	4.8	33.1	48.3	17.4	2
SFLA-4-8C	1/4"	1/2"	600	15.2	95	66.7	4.8	42.8	48.3	17.4	7
SFLA-6-8A	3/8"	1/2"	150	16.8	90	60.3	7.1	34.7	48.3	17.4	2
SFLA-6-8B	3/8"	1/2"	300	16.8	95	66.7	7.1	48.3	48.3	17.4	2
SFLA-8-8A	1/2"	1/2"	150	22.9	90	60.3	10.4	48.3	48.3	20.6	2
SFLA-8-8B	1/2"	1/2"	300	22.9	95	66.7	10.4	48.3	48.3	20.6	2
SFLA-8-8C	1/2"	1/2"	600	22.9	95	66.7	10.4	48.3	48.3	22.2	7
SFLA-8-8E	1/2"	1/2"	1500	22.9	120	82.6	10.4	48.3	48.3	22.2	7
SFLA-8-12A	1/2"	3/4"	150	22.9	100	69.9	10.4	48.3	48.3	20.6	2
SFLA-8-12B	1/2"	3/4"	300	22.9	115	82.6	10.4	48.3	48.3	22.2	2
SFLA-8-12C	1/2"	3/4"	600	22.9	115	82.6	10.4	48.3	48.3	22.2	7
SFLA-8-16A	1/2"	1"	150	22.9	108	79.3	10.4	48.3	48.3	28.6	2
SFLA-8-16C	1/2"	1"	600	22.9	125	88.9	10.4	48.3	48.3	22.2	7
SFLA-8-24B	1/2"	1-1/2"	300	22.9	155	114.3	10.4	48.3	48.3	41.2	2
SFLA-8-32A	1/2"	2"	150	22.9	150	120.7	10.4	48.3	48.3	50.8	2
SFLA-8-32B	1/2"	2"	300	22.9	165	127	10.4	48.3	48.3	50.8	2
SFLA-12-12A	3/4"	3/4"	150	24.4	100	69.9	15.8	48.3	48.3	28.6	2
SFLA-12-12C	3/4"	3/4"	600	24.4	115	82.6	15.8	48.3	48.3	31.7	7
SFLA-12-16A	3/4"	1"	150	24.4	110	79.4	15.8	48.3	48.3	28.6	2
SFLA-16-16A	1"	1"	150	31.2	110	79.4	22.4	48.3	48.3	38.1	2
SFLA-24-32A	1-1/2"	2"	150	50	150	120.7	34	48.3	48.3	51	2
SFLA-32-32A	2"	2"	150	67.6	150	120.7	46	48.3	48.3	70	2

Material Construction Information			
Component Name		Material Specification	MDMT
Flange		ASTM A182 Gr.F316/316L	-425°F
Superlok "SU" Tube Fitting (CRN# 0A18364.5C)	Front Ferrule	ASTM A193 B8M	-325°F
	Back Ferrule	ASTM A193 B8M	-325°F
	Nut	ASTM A276 Gr. 316/316L	-425°F (NOTE 2 & 3)

Pressure Rating Information	
Flange	Per ASME B16.5
Superlok Tube Fitting (CRN# 0A18364.5C)	See "Superlok Tube Fitting (Type "SU") Pressure Rating Table"
Assembly	Pressure Ratings For Fittings With A Flange End Connection And Another End Connection Are Determined By The Connection With The Lower Pressure Rating.

Material Spec.	3RD ANGLE PROJECTION	GENERAL TOLERANCES[in]
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NOTICE: This document and the information herein contained are the confidential and exclusive property of A.R.Thomson Group. Any person making use of such property, except as expressly authorized by A.R. Thomson Group, will be exposed to potential legal action

01	A1	Removed note'.... <i>do not represent the full scope....</i> '	LM	01	17	12	20	Designed By	-	-
02	A5	Updated CRN information	LM	02	09	01	21	Drawn By	LM	16/11/20
03	A7	Updated CRN information	LM	02	09	01	21	Reviewed By	TC	16/11/20
								Path of File		D   M   Y
										DATE
								Ref Dwg No		
								Scale		Drawing Size
No	Zone	Change	Rev	DCN	D   M   Y		-		A3	
					DATE					



# Flange Adapter CRN Design Drawing

ART	8T	1828	02
Logo	Group	Sequence	Revision

**STATUTORY DECLARATION  
Registration of Fittings**

I, Jong Chan, Yoon, President  
(name of applicant) (position title) (must be in a position of authority)  
of BMT Co., Ltd.  
(name of manufacturer)  
located at 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea  
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- ☐ comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- ☒ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 - 2018 as supported by the attached (title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001-HSB as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

SFLA Flange Adapter

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package

DECLARED before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
(city) (province or state)

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
(Month) (Year)

(print) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

(sign) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

*JC Yoon*

(signature of applicant)

**For ABSA Office Use Only:**

NOTES: **\*\* Drawing 8T182802 registered.**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_

Registration Number: \_\_\_\_\_

Date Registered: \_\_\_\_\_

The information you provide is necessary only Pressure Equipment Discipline.

Registration No.	OH21213.23
File No.	11900
Registered	
Date:	February 18, 2021
Expiry Date:	January 27, 2031
Codes & Standards Compliance Office	

\_\_\_\_\_  
(signature of the Administrator/SCO)

Alberta Safety Codes Act and Regulations in the

This form may be used to document the Design Scope for fittings that require registration in accordance with the PESR s14 and s17. In each column, provide the information required or list the document number where the information can be found. If the column is not applicable to the fitting design, then indicate N/A.

**Note:** This form shall be completed and submitted with Form AB-41 Statutory Declaration Registration of Fittings.

Product Description	Primary Pressure Bearing/ Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F	- ## °F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #

**FOR ABSA USE ONLY:**  
Reference Tracking No. \_\_\_\_\_

SFLA Flange Adaper	Body	See DWG # 8T1828	Tube Compression End x ASME B16.5 Flange	See DWG # 8T1828	See DWG # 8T1828	See DWG # 8T1828	See DWG # 8T1828	ASME B31.3	8T1828

**\*\* Drawing 8T182802 Rev 02 regsitered.**

 <b>Technical Safety Authority of Saskatchewan</b>	
Registration No.	OH21213.23
File No.	11900
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Registered</div>	
Date:	February 18, 2021
Expiry Date:	January 27, 2031
Codes & Standards Compliance Office	

**FOR ABSA USE ONLY:**  
Reference Tracking No. 2020-05765



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

March 18, 2021

ALBERTA BOILERS SAFETY ASSOCIATION  
9410 20 AVE NW  
EDMONTON AB T6N 0A4

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** SR3009416  
**Your Reference No.:** PORTAL#2020-S0106, 2020-05765  
**Registered to:** BMT CO LTD

Dear NATHALIE DUGO,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

**CRN : 0H21213.25**

Main Design No.: 8T182802 REV 2  
Expiry Date: Jan 27, 2031

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Liliana Constantinescu P. Eng  
Tel. : +1 416-734-3425  
Email : [LConstantinescu@tssa.org](mailto:LConstantinescu@tssa.org)