9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

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.

2020-05765 Continued on the next page...



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

January 27, 2021 DOP Cert. No. D00007936

2020-05765 Page 2 of 2





AB-41 2016-01

STATUTORY DECLARATION Registration of Fittings

			*	In this space, show facsimile of manufacturer's logo or trademark	
I, <u>Jo</u>	ng Chan, Yoon	, President		as it will appear on the fitting.	
-4 D	(name of applicant)	(position title) (must	be in a position of authority	()	
OT	BMT Co., Ltd.	name of manufacturer)			
locate	ed at 35, Sanmakgongdannam	·	ongsangnam-do Kore	ea l	
		(plant address)	- 1		
	elemnly declare that the fittings l k one)	listed hereunder, which a	are subject to the Saf	ety Codes Act	
	comply with the requirements	(title of recognized North		ch specifies the dimensions,	
	materials of construction, pre	essure/temperature ratin	gs and identification i	marking of the fittings, or	
\boxtimes	are not covered by the provisi	ions of a recognized No	rth American standar	d and are therefore manufactured	
	to comply with ASME B31.3 -			_ as supported by the attached	
	(title of co	de of construction or other ap	plicable document)		
	data which identifies the dime	ensions, materials of cor	struction, pressure/te	emperature ratings and the basis	
	for such ratings, and the mark	king of the fittings for ide	entification.		
I furth	ner declare that the manufacture	e of these fittings is cont	rolled by a quality cor	ntrol program which has been	
verifie	ed by the following authority, IS	O 9001-HSB	as being sui	itable for the manufacture of	
	e fittings to the stated standard.		this declaration, for w	vhich I seek registration, are	
SFL	A Flange Adaper	(brief description of fittings)	1		
In sur	pport of this application, the follo			ata are attached:	
	** G# 8T182800, CRN# 0A18364.				
	G# 01 102000, Olkia# 0/ (1000 i.	.52 Apploval letter & 1.0	gistiation i achago		
DECL	LARED before me at(city	in the	of	(province or state)	
this _	day of	· · · · · · · · · · · · · · · · · · ·			
-		(Month)	Year)		
(prin	t)(a Commissioner of Oaths or No	ton, Dublio)		7	
	(a commissioner or cams or re-	tary Public)	1/	4-22	
(sign)	(a Commissioner of Oaths or No	tan/ Public)	(signa	ature of applicant)	
For E		tary i dollo,	1	щие от арриостт,	
	For ABSA Office Use Only: NOTES: ** Drawing 8T182802 registered.				
	e best of my knowledge and be dard B51, Clause 4.2, and is ac			of the Safety Codes Act and CSA	
Regis	stration Number:		2020-	-05765 ABSA	
1109	Mation Number.		(Si <mark>l</mark> ınatuı SA	re of the Administrator/SCO) IFETY CODES ACT - PROVINCE OF ALBERTA	
Date	Registered:				
	registered		Expiry Date: AC	CCEPTED: 0H21213.2	
	formation you provide is necessary only four Equipment Discipline.	or the administration of the progr	· · · ————————————————————————————————	rtsee acceptance letter for the	
	formation you provide is necessary only fo	or the administration of the progr	ams as required by the Albe		



DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41) AB-257 2016-01

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.

	Primary	Matarial	End	Design C	ondition		Pressure	Design	Catalog
Product Description	Pressure Bearing/ Retaining Component	Material of Construction	Connections and Size Range	Pressure at Ambient Temp.	Pressure at Design Temp.	MDMT	Class or Schedule	Code of Construction or Standard	page or Drawing numbers
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.	



DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41)

AB-257 2016-01

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

FOR ABSA USE ONLY: Reference Tracking No.

2020-05765

^{**} Drawing 8T182802 Rev 02 regsitered.

Superlok Tube Fitting (Type "SU") (CRN# 0A18&64.5C) Pressure Rating Table, psi. NOTE: UNITS ARE IN INCHES UNLESS OTHERWISE SPECIFIED 2" 1 1/2" THE NOTES, MINIMUM TEMPERATURES, AND ALLOWABLE STRESSES FOR COMPARABLE GRADES OF A 240 MATERIALS SHALL APPLY AS PER ASME B31.3 Temp (°F) NOTES FOR APPENDIX A TABLES 9121 1751 -425 (NOTE 3) 7828 6534 4846 3159 2602 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 3. -325 (NOTE 3) 9121 4846 3159 2602 1751 7828 6534 9121 -50 (NOTE 3) 7828 6534 4846 3159 2602 1751 <u>/01`</u> IMPACT TESTED PER PARA. 323.3 O ASME B31.3-2018. 9121 2602 1751 -20 7828 6534 4846 3159 FOR TEMPERATURES ABOVE 538°C (1000°F), THESE STRESS VALUES APPLY ONLY WHEN THE CARBON CONTENT IS 0.04% OR HIGHER. 4846 100 9121 7828 6534 3159 2602 1751 THE SUPERLOK TUBE FITTING USED ON THE FLANGE ADAPTER IS IDENTICAL TO THE DESIGN APPROVED IN SUPERLOK TUBE FITTING CRN# 0A18364.5C 200 9121 7828 6534 4846 3159 2602 1751 300 9121 7828 6534 3159 2602 1751 4846 400 8802 7554 6305 4677 3049 2511 1690 2329 2211 500 7006 5848 4338 1567 8164 2828 77.53 5554 600 6653 4119 2685 1488 650 7571 6497 5423 4023 2622 2159 1453 3950 700 7434 6379 5325 2120 1427 2575 750 7343 6301 5260 3901 2543 2094 1409 800 7252 6223 5194 3853 2512 2068 1392 ASME B16.5 FLANGE 850 7115 6105 5096 3780 2464 2029 1366 900 7069 6066 5064 2448 2016 1357 7023 5031 3732 2003 950 6027 2433 1348 1000 6978 5988 4998 3708 2417 1990 1339 1050 (NOTE 5) 4737 3514 1886 1269 5675 2290 6613 4051 3005 1100 (NOTE 5) 5655 4853 1959 1613 1085 1150 (NOTE 5) 4469 3835 3201 2375 1548 1275 858 SFF FRONT FERRULE 1200 (NOTE 5) 3375 2896 2417 1793 1169 963 648 715 1250 (NOTE 5) 2508 2153 1797 1333 869 481 1300 (NOTE 5) 533 1870 1605 1339 994 648 359 SBF BACK FERRULE 1350 (NOTE 5) 1414 1213 1013 751 490 403 271 1400 (NOTE 5) 1049 900 557 363 201 555 775 412 221 665 1450 (NOTE 5) 269 149 P.C.D. 1500 (NOTE 5) 593 509 425 315 205 169 114 * PRESSURE RATING @ ELEVATED TEMP CALCULATION: MAWP (@ DESIGN TEMP) = MAWP (@ ROOM TEMP) * S (@ DESIGN TEMP) / S (@ ROOM TEMP) ØΕ ØD \emptyset B S (ksi) - BASIC ALLOWABLE STRESS (ASME B31.3 TABLE A-1) MAWP (psi) - SUPERLOK "SU" TUBE FITTING PRESSURE RATING SN NUT Dimensional Information (NOTE 5) SUPERLOK TUBE FITTING Dimensions (mm) Superlok Tube Flange Class (CRN# 0A18364.5C) O.D. Part # Size ØB ØE Н SFLA-4-8A 1/4" 90 33.1 150 15.2 60.3 4.8 48.3 17.4 2020-0576 **ABSA** SFLA-4-8C 1/4" 1/2" 600 15.2 95 66.7 4.8 42.8 48.3 17.4 SFLA-6-8A 3/8" 150 90 60.3 7.1 34.7 48.3 17.4 16.8 1/2" SAFETY CODES ACT - PROVINCE OF ALBERTA FLAT, H 7.1 17.4 SFLA-6-8B 300 16.8 95 66.7 48.3 3/8" 1/2" 48.3 **ACCEPTED: 0H21213.2** SFLA-8-8A 1/2" 1/2" 150 22.9 90 60.3 10.4 48.3 48.3 20.6 SFLA-8-8B 1/2" 1/2" 300 22.9 95 66.7 10.4 48.3 48.3 20.6 See acceptance letter for SFLA-8-8C 600 95 66.7 10.4 48.3 48.3 1/2" 1/2" 22.9 22.2 conditions of registration. SFLA-8-8E 1/2" 1/2" 1500 22.9 120 82.6 10.4 48.3 48.3 22.2 Date: 2021-01-27 By: We Shilish SFLA-8-12A 1/2" 3/4" 150 22.9 100 69.9 10.4 48.3 48.3 20.6 SFLA-8-12B 1/2" 3/4" 300 22.9 115 82.6 10.4 48.3 48.3 22.2 2 48.3 SFI A-8-120 3/4" 600 22.9 10.4 48.3 22.2 1/2" 115 82.6 This stamp and signature have been affixed electronically SFLA-8-16A 150 22.9 79.3 10.4 48.3 48.3 28.6 1/2" 108 to this registered design as required by Section 20(1) of 22.9 125 48.3 22.2 SFLA-8-16C 1/2" 600 88.9 10.4 48.3 the Pressure Equipment Safety Regulation, in accordance Pressure Rating Information SFLA-8-24B 1/2" 1-1/2" 300 22.9 155 114.3 10.4 48.3 48.3 41.2 with the Electronic Transactions Act. Flange Per ASME B16.5 SFLA-8-32A 150 150 120.7 10.4 48.3 48.3 50.8 22.9 1/2" Material Construction Information SFLA-8-32B 300 22.9 165 127 10.4 48.3 48.3 50.8 1/2" Component Name Material Specification MDMT Superlok Tube Fitting See "Superlok Tube Fitting (Type "SU") Pressure SFLA-12-12A 3/4" 150 24.4 100 69.9 15.8 48.3 48.3 28.6 3/4" CRN# 0A18364.5C) Rating Table" Flange -425°F ASTM A182 Gr.F316/316L 3/4" 3/4" 24.4 31.7 SFLA-12-12C 600 115 82.6 15.8 48.3 48.3 Front Ferrule **ASTM A193 B8M** -325°F SFLA-12-16A 48.3 48.3 Pressure Ratings For Fittings With A Flange End 3/4" 150 24.4 110 79.4 15.8 28.6 Superlok "SU" Tube Connection And Another End Connection Are SFLA-16-16A 150 31.2 110 79.4 22.4 48.3 48.3 38.1 Back Ferrule **ASTM A193 B8M** -325°F Assembly Determined By The Connection With The Lower (CRN# 0A18364.5C) 150 50 150 120.7 34 48.3 48.3 51 SFLA-24-32A 1-1/2" -425°F (NOTE 2 & 3) Pressure Ratina ASTM A276 Gr. 316/316L SFLA-32-32A 150 67.6 150 120.7 46 48.3 70 3RD ANGLE PROJECTION GENERAL TOLERANCES[in] NOTICE: This document and the information herein contained are the confidential and Material Spec. Thomson Group exclusive property of A.R.Thomson Group. Any person making use of such property, except X.X as expressly authorized by A.R. Thomson Group, will be exposed to potential legal action Stamping Info ±.015 X.XX $\times \times \times \times$ ±.005 01 A1 Removed note'.... do not represent the full scope... LM 01 17 12 20 Designed By Flange Adapter CRN Design Drawing FRACTIONAL $\pm 1/32$ 02 A5 Updated CRN information 16/11/20 LM 02 09 01 21 Drawn By LM Special Rea. ANGLES ±1/2° 03 A7 Updated CRN information TC 16/11/20 02 09 01 21 Reviewed By unless otherwise stated Path of File D M ANGULAR DIMENSIONS ALL SURFACES DATE Ref Dwg No MACHINED ±0°30' 125 LOCATING ±0°30' Drawing Size Scale FORMED ±2° 1828 AR⁻ 81 02 unless otherwise stated CHAMFER ±5° No Zone Change Rev DCN **A3** DATE Group

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edw Northwest		Newfoundland and Labrador
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Manufacturers Nam				
Plant Locations: 35.8	' CSS: 35, Sanmakgongdannam lanmakgongdannam 11-gli Yang	11-gil Yangsan-Si,Gyeon	sangnam-do Korea	
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A Pipe fittings, including B Flanges: all flanges	couplings, tees, elbows, Y	s, plugs, unions, pipe	caps, or reducers	Construction
C Valves: all line valves				ASME B31.3 - 2018
D Expansion joints, flexil E Strainers, filters, separ	ble connections, and hose	assemblies: all types		7.0M2 B01:0 = 2010
F Measuring devices, Inc	cluding pressure gauges, i	re I		
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List of supporting do	cumentation and iden	tification of the ac	tual items to be re	gistered:
), CRN# 0A18364			
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Declaration:				
Jong Chan, Yoon	(see note 3)	employed by BMT	Co., Ltd.	and being the nerson having full authority
and responsibility for the	e quality of the end proc	duct do solemnly dec	clare that the inform	and being the person having full authority ation contained in this form is true to the best of
my knowledge represen	its the product for which	registration is soud	ht. The dimensions	s, materials of construction, pressure temperature s. I further declare that the manufacture of these
fittings is regulated by a	Quality Control Program	m which extends to	each plant where fa	brication occurs in whole or in part and has been
verified by ISO 9001-HSB	a	s being suitable for	that purpose and I r	make this solemn declaration conscientiously deroath.
believing it to be true, at	nd knowing that it is of t	he same force and	affect as if made un	der oath.
Signature of Declarer: _	76	2000		
Declared before me at _				
This day c	of A	ND.	Use	this space for the Official Seal
Commissioner of Oaths		10	•	and open for the Official Coas
Or Notary Public: (sign)				
Or Hotaly Public, (sign)	All and the second seco	La vialet		
·	(Affix Official seal to the		ulatan Andhadhina	
	This registration mu	et be revalidated after st be revalidated after	ulatory Authority use. ten (10) years from the	ne date of acceptance.
CRN: 0H21213.2				CCEPTED
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FID#: 15311 Flagge adapter (8T1	DODON MANAD In the	na lower MANA	COMMINITO	PRINCE EDWARD ISLAND
of either the Super	lok 'SU' tube fitting of	or the ASME	CONTRACTOR IN THE	S, LAND & ENVIRONMENT
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and one copy of suppor		Davajalivii IVIIII8	MATTER. A	10 000
	e made by the person having	full authority and	DATE:	Cr 13 3031
I to the second	ality of the end product. Ins shall be resubmitted for yal	idetion.	1	1 MCCL.
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CRN expires Jan.27	th, 2031 - DG			TEODE DRAINCH

New Brunswick Nunavut	Nova Scotta Yukon	Prince Edward Island Northwest Territories	THE PROPERTY OF THE PROPERTY O
Manufacturers Na	The: BMT Co., Ltd.		
Manufacturers Add	1ress: 35, Sanmakgongdannam	11-pil Yangsan-Si, Gyeongsangnam-do I	Kores
Plant Locations: 36,	Sanmalgongdannam 11-gil Yang	san-SI, Gyeongeangnam-do Korea	
B Flanges: all flanges	ng couplings, tees, albows, Y	tered. Circle one Category o s, plugs, unions, pipe caps, or red	Construction
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Management Committee of the Committee of		tification of the actual items 52 Approval letter & Re	
Declaration:		and the second second	
ratings, and identificati fittings is regulated by	on markings are in accord a Quality Control Program	registration is sought. The din lance with the herein named s	and being the person having full authority to information contained in this form is true to the best of nensions, materials of construction, pressure temperature tenderds. I further declare that the manufacture of these where fabrication occurs in whole or in part and has been and I make this solemn declaration conscientiously nade under oath.
Signature of Declarer:		on	
This day	ofAI)	Use this space for the Official Seal
Commissioner of Oath	o o	77000	The state of the s
Or Notary Public: (sign)		
	(Affix Official seal to the	e right)	
	1.00	This space for Regulatory Author	orfty use.
CRN: 0H21213.2	This registration mus	t be revalidated after len (10) yea	rs from the Ration acceptance.
		la la	NOVA SCOTIA Date Fal. 13/3
FID#: 15311	100000 11414/0 1- 11-	- 1 (&)	Date F-1 17/2
of either the Supe	182802). MAWP Is the	the ASME C.R.	NOHRIBIS DE
	e supported with two Statutory D		as described
3. The Declaration shall	be made by the person having fu unity of the end product.	all authority and Signe	
	ms shall be resubmitted for valid	lation.	101
B16.5 flange		/-	Part Sect 1.0 - Fittings Rev. 2
CRN expires Jan.27	7th, 2031 - DG	and the second s	REGULATION
		The state of the s	

New Brunswick Nova Scotia Prince Edward Island Newfoundland and Labrador Nunavut Northwest Territories Yukon Manufacturers Name: BMT Co., Ltd. Manufacturers Address: 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea Plant Locations: 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea Category of Fittings to be registered. Circle one Category only Title of the Standard of Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers Construction B Flanges: all flanges C Valves: all line valves ASME B31.3 - 2018 D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps 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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC or ASME requirements) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Forged # Welded

Wrought Other A Cast n **SUPERLOK** Describe other: Machined List of supporting documentation and identification of the actual items to be registered: DWG# 8T182800, CRN# 0A18364.52 Approval letter & Registration Package Declaration: (see note 3) employed by BMT Co., Ltd. Jong Chan, Yoon 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 AD Rew Nouveau RrunsWick Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) DEPT OF JUSTICE PUBLIC SAFETY This space for Regulatory Authority SOILER & PRESSURE VESSEL ACT This registration must be revalidated after ten (10) years from the date of acceptance. CRN: 0H21213.2 15311 FID# Flange adapter (8T182802). MAWP is the lower MAWP of either the Superlok 'SU' tube fitting or the ASME 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 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. Sect 1.0 - Fittings Rev.2 B16.5 flange. □ BLRs TPVs CRN expires Jan.27th, 2031 - DG FITTINGS ☐ NUCLEAR COMPONENTS

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Nam	e: BMT Co., Ltd.		
Manufacturers Addr	'ess: 35, Sanmakgongdannam	11-gil Yangsan-SI,Gyeongsangnam-do Korea	
Plant Locations: 35, 8	sanmakgongdannam 11-gil Yangs	san-Si Gyeongsangnam-do Korea	
B Flanges: all flanges	couplings, tees, elbows, Ys	ered. Circle one Category only s, plugs, unions, pipe caps, or reducers	Title of the Standard of Construction
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G Certified capacity-rate	d pressure relief devices acc	ceptable as primary over pressure protection	ion
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DWG# 81182800), CRN# 0A18364.	52 Approval letter & Registrat	ion Package
my knowledge represen ratings, and identification fittings is regulated by a verified by ISO 9001-HSB believing it to be true, ar	ts the product for which in markings are in accord Quality Control Program	registration is sought. The dimensions, ance with the herein named standards. which extends to each plant where fab being suitable for that purpose and I made under a same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same same same same same same same sam	and being the person having full authority tion contained in this form is true to the best of materials of construction, pressure temperature. I further declare that the manufacture of these vication occurs in whole or in part and has been ake this solemn declaration conscientiously er oath.
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Commissioner of Oaths		Use :	this space for the Official Seal
Or Notary Public: (sign)			
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of either the Superior	ok 'SU' tube fitting or	the ASME	Registered_OH21212 20
	supported with two Statutory De		Date
and one copy of support	ing documentation.		Engineering and inspection Prvices
 The Declaration shall be responsibility for the qua 	made by the person having ful	ll authority and	Registered by .
	s shall be resubmitted for valida	ation.	The state of the s
B16.5 flange .			PUBLIC SAFETY Sect 1.0 Fittings Rev.2
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CRN expires Jan.27t	n, 2031 - DG		COMPRESSED GAS SECULATIONS

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Na		-gii Yangsan-Si,Gyeongsangnam-do Koraa	
Plant Locations: 35	, Sanmakgongdannam 11-gil Yangsa	n-Si Gyeongaangnam-do Korea	
Categor	v of Fittings to be register	red. Circle one Category only plugs, unions, pipe caps, or reducers	<u>Title of the Standard of</u> <u>Construction</u>
C Valves: all line valve D Expansion joints, fle	es exible connections, and hose as parators, and steam traps	semblies: all types	ASME B31.3 - 2018
F Measuring devices, transmitters			
boilers, pressure ves	ted pressure relief devices accesses, piping and fusible plugs components that do not fall into	ptable as primary over pressure protect one of the above categories	on on
N Nuclear components Show Manufactures	s: Class 1 🗆 Class 2 🗀 Clas rs Name, Trademark, or Lo	s 3 □ , (Meeting CNSC or ASME required as it will appear on the produ	ements) ct Type of Construction
			Forged Welded a Wrought Cast Other
l'o	SUPERL	OK	Describe other: Machined
List of supporting	ocumentation and identif	ication of the actual items to be r	
	The second secon	2 Approval letter & Registr	
my knowledge represe	ents the product for which re	egistration is sought. The dimension	and being the person having full authority mation contained in this form is true to the best of its, materials of construction, pressure temperature
ratings, and identificat fittings is regulated by	ion markings are in accorda a Quality Control Program	nce with the herein named standard	is. I further declare that the manufacture of these abrication occurs in whole or in part and has been make this solemn declaration conscientiously nder oath.
Signature of Declarer:	1620	~	ide. Gali.
Declared before me at			
This day	ofAD	Us	e this space for the Official Seal
Commissioner of Oath			
Or Notary Public: (sign	1)		
	(Affix Official seal to the		
		This space for Regulatory Authority use	
CRN: <u>ÖH21213.</u>		be revalidated after ten (10) years from	the date of acceptance.
FID#: 15311			SHVIEW OF
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	be supported with two Statutory De porting documentation.	claration forms	BY
responsibility for the	l be made by the person having full quality of the end product.	authority and	CRN 0H21213.2Y
4. Quality Control progr B16.5 flange.	ams shall be resubmitted for validat	ion.	Sect 1.0 - Fitings Rev 2
CRN expires Jan.2	7th, 2031 - DG	\ '	DATE 02/16/2021
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Newfoundland and Labrador

Prince Edward Island

Northwest Territories

New Brunswick

Nunavut

Nova Scotia

Yukon

Manufacturers Address: 35, Sanmakgongdannam 11-gll Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sannakgongdannam 11-gil Yengson-Si, Gyeongeengnam-do Korea	
Category of Fittings to be registered. Circle one Category only OPipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges	Title of the Standard of Construction
C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps Measuring devices, including pressure gauges, level gauges, sight glauses, levels, or pressure transmitters	ASME B31.3 - 2018
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection bollers, pressure vessels, piping and fusible plugs. H Pressure retaining components that do not fall into one of the above categories.	on on
N Nuclear components: Class 1 □ Class 2 □ Class 3 □ , (Meeting CNSC or ASME require Show Manufacturers Name, Trademark, or Logo as it will appear on the produc	
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Prince Edward Island

New Brunswick

Nova Scotia

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Northwest Ten	Island h	lewfoundland and Labrador
Manufacturers Nam	19: BMT Co., Ltd.		-	
Manufacturers Add	POSS: 35, Sanmakgongdannam	11-gil Yengsan-Si, Gyeongsang	nam-do Korea	
Plant Locations: 35, 8	Sanmakgongdarnam 11-gil Yang	san-Si, Gyeongsanonem-do Kor	**	
© Pipe fittings, including B Flanges: all flanges	of Fittings to be regist couplings, tees, elbows, Y	anad Circle one Cate	none only	Title of the Standard of Construction
C Valves: all line valves D Expansion joints, flexi	ble connections, and hose :	assemblies: all types		ASME B31.3 - 2018
E Strainers, filters, sepa F Measuring devices, in transmitters	rators, and steam traps icluding pressure gauges, le	vel gauges, sight glasses,	levels, or pressure	
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Show Manufacturers	Name, Trademark, or	Logo as it will appear	on the product	Type of Construction
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CRN: 0H21213.2	una tedistranou una	t be revalidated after ten (*	(0) years from the date	of acceptance.
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FID#: 15311	Market State Company		The Carlot	
Flange adapter (8T1)	82802). MAWP is the	lower MAWP	Nuñavut	Boilers and Pressure Vessels Act
Each Category shall be and one copy of support	supported with two Statutory Di ling documentation.	ectaration forms	F	EGISTERED
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B16.5 flange .			Date Feb	9. 209 Sect 1.0 - Fittings Rev.2
CRN expires Jan.27t	h 2031 - DC	_ "	Signed	Det h
v orpiros vain.Z/t	- DG	***************************************	3.00	Chief
				Chief Inspector
			Torritor:	al Basiste di
			IGITION	al Registration Fee



Suite 600 - 2889 E 12th Ave Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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:

(PROD) 30400-20 GST #: 87391 2802 RT0001



Inspection and Technical Services
Municipal Relations
508-401York Ave
Winnipeg, Manitoba Canada R3C 0P8
T 204-945-3373 F 204-948-2089
www.fireccomm.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 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

www.rbq.gouv.qc.ca



Direction générale de l'inspection

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

545, boul. Crémazie Est, 7ième étage Montréal (Québec) H2M 2V2 Téléphone: 514 873-6459 Sans frais: 1866 262-2084

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.

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 Adaper	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.

2.1 Design							
I, the undersigned,	Jong (Chan, Yoon	President				
i, are anaereigned,	(Name of the	person in charge)	(Title of the person in charge)				
from BN	/IT Co., Ltd.	, located at	5, Sanmakgongdannam 11-gil Yangsan-Si, Korea				
	pany's name)		(Plant's address)				
hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:							
comply with the	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 ASME B31.3 - 2018							
are not covered	by the ANSI/ASIVIE CO	des, but are in compliant	(Name of code or standard)				
code or standard an	d are designed accord	ing to the best current e	ngineering practice, as proven by the enclosed approval report.				
2.2 Manufacturing	quality control						
I further declare that	the manufacture of the	ese fittings is controlled b	y a quality control program that complies with the requirements of the				
following code:	ASME	and has been verified by	ISO 9001-HSB				
	(Name of code)		(Authorized agency)				
Signature of the per	son in charge:	C2500	Date (yyyy-mm-dd): >0>0 - 1/ - 3 0				

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at	ne, at , on			
	(Location)	(Date (yyyy	r-mm-dd)):	
Signature of commissioner for oaths:		Date (yyyy-mm-dd):		
Stamp the seal:	a			

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

accepted for registration in the class	nts of the Act and with standard CSA B51, Part 1, section 4.2, and is istration 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 Registration date (yyyy-mm-dd):

Documents to attach

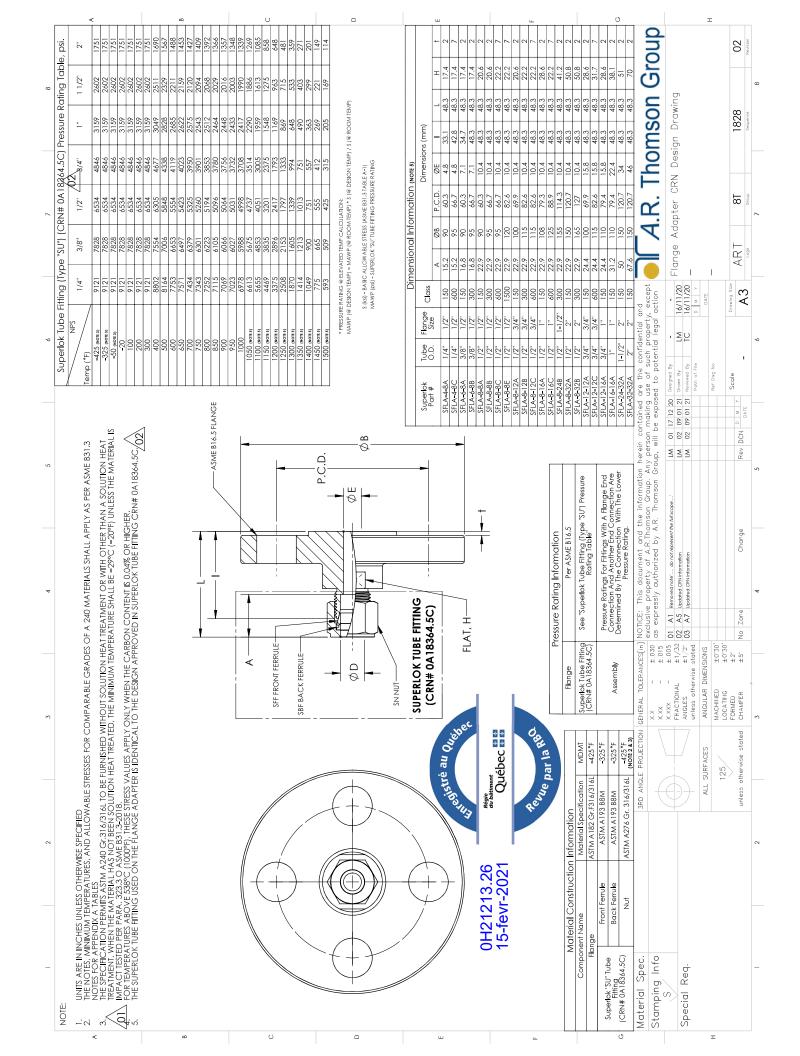
Any application registration for fittings must include these documents:

- 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 necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.





2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

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.

Superlok Tube Fitting (Type "SU") (CRN# 0A18&64.5C) Pressure Rating Table, psi. NOTE: UNITS ARE IN INCHES UNLESS OTHERWISE SPECIFIED 2" 1 1/2" THE NOTES, MINIMUM TEMPERATURES, AND ALLOWABLE STRESSES FOR COMPARABLE GRADES OF A 240 MATERIALS SHALL APPLY AS PER ASME B31.3 Temp (°F) NOTES FOR APPENDIX A TABLES 1751 -425 (NOTE 3) 9121 7828 6534 4846 3159 2602 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 3. -325 (NOTE 3) 9121 4846 3159 2602 1751 7828 6534 -50 (NOTE 3) 9121 7828 6534 4846 3159 2602 1751 <u>/01`</u> IMPACT TESTED PER PARA. 323.3 O ASME B31.3-2018. 9121 2602 1751 -20 7828 6534 4846 3159 FOR TEMPERATURES ABOVE 538°C (1000°F), THESE STRESS VALUES APPLY ONLY WHEN THE CARBON CONTENT IS 0.04% OR HIGHER. 4846 100 9121 7828 6534 3159 2602 1751 THE SUPERLOK TUBE FITTING USED ON THE FLANGE ADAPTER IS IDENTICAL TO THE DESIGN APPROVED IN SUPERLOK TUBE FITTING CRN# 0A18364.5C 200 9121 7828 6534 4846 3159 2602 1751 300 9121 7828 6534 3159 2602 1751 4846 400 8802 7554 6305 4677 3049 2511 1690 2329 2211 500 7006 5848 4338 1567 8164 2828 77.53 5554 600 6653 4119 2685 1488 650 7571 6497 5423 4023 2622 2159 1453 3950 700 7434 6379 5325 2120 1427 2575 750 7343 6301 5260 3901 2543 2094 1409 800 7252 6223 5194 3853 2512 2068 1392 ASME B16.5 FLANGE 850 7115 6105 5096 3780 2464 2029 1366 900 7069 6066 5064 2448 2016 1357 7023 5031 3732 2003 950 6027 2433 1348 1000 6978 5988 4998 3708 2417 1990 1339 1050 (NOTE 5) 4737 3514 1886 1269 5675 2290 6613 4051 3005 1100 (NOTE 5) 5655 4853 1959 1613 1085 1150 (NOTE 5) 4469 3835 3201 2375 1548 1275 858 SFF FRONT FERRULE 1200 (NOTE 5) 3375 2896 2417 1793 1169 963 648 715 1250 (NOTE 5) 2508 2153 1797 1333 869 481 1300 (NOTE 5) 533 1870 1605 1339 994 648 359 SBF BACK FERRULE 1350 (NOTE 5) 1414 1213 1013 751 490 403 271 1400 (NOTE 5) 1049 900 557 363 201 555 775 412 221 665 1450 (NOTE 5) 269 149 P.C.D. 1500 (NOTE 5) 593 509 425 315 205 169 114 * PRESSURE RATING @ ELEVATED TEMP CALCULATION: MAWP (@ DESIGN TEMP) = MAWP (@ ROOM TEMP) * S (@ DESIGN TEMP) / S (@ ROOM TEMP) ØΕ ØD \emptyset B S (ksi) - BASIC ALLOWABLE STRESS (ASME B31.3 TABLE A-1) MAWP (psi) - SUPERLOK "SU" TUBE FITTING PRESSURE RATING SN NUT Dimensional Information (NOTE 5) SUPERLOK TUBE FITTING Dimensions (mm) Superlok Tube Flange Class (CRN# 0A18364.5C) O.D. Part # Size ØB ØE Н SFLA-4-8A 1/4" 90 33.1 150 15.2 60.3 4.8 48.3 17.4 SFLA-4-8C 1/4" 1/2" 600 15.2 95 66.7 4.8 42.8 48.3 17.4 Technical SFLA-6-8A 3/8" 150 90 60.3 7.1 34.7 48.3 17.4 16.8 Safety Authority 1/2" FLAT, H-7<u>.1</u> of Saskatchewan SFLA-6-8B 300 16.8 95 66.7 48.3 17.4 3/8" 1/2" 48.3 OH21213.23 SFLA-8-8A 1/2" 1/2" 150 22.9 90 60.3 10.4 48.3 48.3 20.6 Registration No. SFLA-8-8B 1/2" 1/2" 300 22.9 95 66.7 10.4 48.3 48.3 20.6 11900 SFLA-8-8C 600 95 66.7 10.4 48.3 1/2" 1/2" 22.9 48.3 22.2 Registered SFLA-8-8E 1/2" 1/2" 1500 22.9 120 82.6 10.4 48.3 48.3 22.2 February 18, 2021 SFLA-8-12A 1/2" 3/4" 150 22.9 100 69.9 10.4 48.3 48.3 20.6 January 27, 2031 SFLA-8-12B 1/2" 3/4" 300 22.9 115 82.6 10.4 48.3 48.3 22.2 2 48.3 SFI A-8-12C 3/4" 600 22.9 10.4 48.3 22.2 1/2" 115 82.6 Codes & Standards Compliance Office SFLA-8-16A 150 22.9 79.3 10.4 48.3 48.3 28.6 1/2" 108 22.9 125 22.2 SFLA-8-16C 1/2" 600 88.9 10.4 48.3 48.3 Pressure Rating Information SFLA-8-24B 1/2" 1-1/2" 300 22.9 155 114.3 10.4 48.3 48.3 41.2 Flange Per ASME B16.5 SFLA-8-32A 150 150 120.7 10.4 48.3 48.3 50.8 22.9 Material Construction Information 1/2" SFLA-8-32B 300 22.9 165 127 10.4 48.3 48.3 50.8 1/2" MDMT Component Name Material Specification Superlok Tube Fitting See "Superlok Tube Fitting (Type "SU") Pressure SFLA-12-12A 3/4" 150 24.4 100 69.9 15.8 48.3 48.3 28.6 3/4" CRN# 0A18364.5C) Rating Table" -425°F Flange ASTM A182 Gr.F316/316L 3/4" 3/4" 24.4 31.7 SFLA-12-12C 600 115 82.6 15.8 48.3 48.3 Front Ferrule **ASTM A193 B8M** -325°F SFLA-12-16A 48.3 Pressure Ratings For Fittings With A Flange End 3/4" 150 24.4 110 79.4 15.8 48.3 28.6 Superlok "SU" Tube Connection And Another End Connection Are SFLA-16-16A 150 31.2 110 79.4 22.4 48.3 48.3 38.1 Back Ferrule **ASTM A193 B8M** -325°F Assembly Determined By The Connection With The Lower 150 (CRN# 0A18364.5C) 150 50 120.7 34 48.3 48.3 51 SFLA-24-32A 1-1/2" -425°F (NOTE 2 & 3) Pressure Ratina ASTM A276 Gr. 316/316L SFLA-32-32A 150 67.6 150 120.7 46 48.3 70 3RD ANGLE PROJECTION GENERAL TOLERANCES[in] NOTICE: This document and the information herein contained are the confidential and Material Spec. Thomson Group exclusive property of A.R.Thomson Group. Any person making use of such property, except X.X as expressly authorized by A.R. Thomson Group, will be exposed to potential legal action Stamping Info ±.015 X.XX $\times \times \times \times$ ±.005 01 A1 Removed note'.... do not represent the full scope... LM 01 17 12 20 Designed By Flange Adapter CRN Design Drawing FRACTIONAL $\pm 1/32$ 02 A5 Updated CRN information 16/11/20 LM 02 09 01 21 Drawn By LM Special Rea. ANGLES ±1/2° 03 A7 Updated CRN information TC 16/11/20 02 09 01 21 Reviewed By unless otherwise stated Path of File D M ANGULAR DIMENSIONS ALL SURFACES DATE Ref Dwg No MACHINED ±0°30' 125 LOCATING ±0°30' Drawing Size Scale FORMED ±2° 1828 AR⁻ 81 02 unless otherwise stated CHAMFER ±5° No Zone Change Rev DCN **A3** DATE Group





AB-41 2016-01

STATUTORY DECLARATION Registration of Fittings

Ι,	Jong Chan, Yoon	President		In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
	(name of applicant)	(position title) (must be in a position of	authority)	
of	BMT Co., Ltd.			0.4
		(name of manufacturer)		
loc	ated at 35, Sanmakgongdannar	m 11-gil Yangsan-Si,Gyeongsangnam-d	o Korea	
	solemnly declare that the fittings eck one)	(plant address) s listed hereunder, which are subject to t	he Safety Co	odes Act
	comply with the requirement	ts of (title of recognized North American Standar		ecifies the dimensions,
	materials of construction, p	ressure/temperature ratings and identific	cation markir	ng of the fittings, or
\boxtimes	are not covered by the provi	sions of a recognized North American s	tandard and	are therefore manufactured
	to comply with ASME B31.3	- 2018	as s	supported by the attached
	(title of c	code of construction or other applicable document)	
	data which identifies the dim	nensions, materials of construction, pres	sure/temper	ature ratings and the basis
	for such ratings, and the ma	rking of the fittings for identification.		
l fu	irther declare that the manufactu	re of these fittings is controlled by a qua	lity control p	rogram which has been
ver	rified by the following authority, I	SO 9001-HSB as be	ing suitable	for the manufacture of
the	se fittings to the stated standard	. The fittings covered by this declaratio	n, for which	l seek registration, are
S	FLA Flange Adaper			
		(brief description of fittings)		
In s	support of this application, the fo	llowing information, calculations and/or	test data are	e attached:
D	WG# 8T182800, CRN# 0A1836	4.52 Approval letter & Registration Pack	age	
-				
DE	CLARED before me at	in the	of	
		ity)	(pr	ovince or state)
this	s day of	(Month) (Year)		
(n	rint)			
(Ρ	(a Commissioner of Oaths or N	otary Public)		1
/- :			6	200
(SIQ	gn) (a Commissioner of Oaths or N	otary Public)	(signature of	applicant)
Fo	r ABSA Office Use Only:			
	DTES: ** Drawing 8T1828	02 registered.		
		elief, the application meets the requiren ccepted for registration in Category	nents of the	Safety Codes Act and CSA
Re	gistration Number:	Technical Safety Authority	nature of the	e Administrator/SCO)
Da	te Registered:	of Saskatchevvan Registration No. OH21213.23		
The	information you provide is necessary only	Registration No. <u>OH21213.23</u> File No. 11900	Alberta Safe	ety Codes Act and Regulations in the
Pre	ssure Equipment Discipline.	Registered		
		Date: February 18, 2021		
		Expiry Date: January 27, 2031		
		Expiry Date.		



DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41) AB-257 2016-01

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 Bearing Retaining	Primary	Matarial	End Connections and Size Range	Design Condition			Pressure	Design	Catalog
	Bearing/ Retaining Component	ng/ of ing Construction		Pressure at Ambient Temp.	Pressure at Design Temp.	MDMT	Class or Schedule	Code of Construction or Standard	page or Drawing numbers
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.	



DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41)

AB-257 2016-01

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.

	Technical Safety Authority of Saskatchewan				
Registration No	OH21213.23				
File No.	11900				
-	Registered February 18, 2021				
Date:	rebluary 16, 2021				
Expiry Date:	January 27, 2031				
Codes	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

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. 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