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

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

May 11, 2016

Attention: Cung Nguyen
N-CUBED ENGINEERING
175 LONGWOOD RD SOUTH SUITE 310A
HAMILTON, ON L8P 0A1

The design submission, tracking number 2016-02245, originally received on April 12, 2016 was surveyed and accepted for registration as follows:

CRN:

0A18364.52

Accepted on: May 11, 2016

Reg Type:

New Design

Expiry Date: April 04, 2026

Drawing No. : SUPERLOK TUBE FITTINGS CATALOGUE As Noted

Fitting type: TUBE FITTING

Design registered in the name of : BMT CO LTD

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

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.

Fitting shall be rated based on proof test. If proof test pressure per code cannot be met, the MAWP shall be derated based on burst/leak pressure.

For temperature higher than 100 F, material spec shall be reviewed to see if MAWP needs to be modified.

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

Enclosed are stamped prints for your reference.

Sincerely,

LIU, XING, P. Eng.





STATUTORY DECLARATION Registration of Fittings



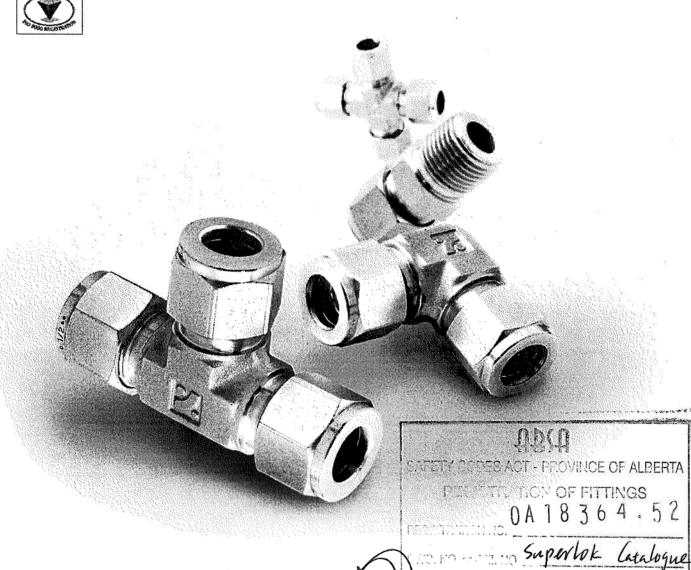
Ι,	Jong Chan, Yoon ,
	President
(com	pany title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of	BMT Co.,Ltd
	(name of manufacturer)
locat	ted at 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangnam-do, KOREA
,	(plant address)
	olemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act ck one)
\boxtimes	comply with the requirements of ASME B31.3-2014 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 as supported by the attached 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 furt	ther declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the
follo	wing authority, ISO 9001-HSB as being suitable for the manufacture of these fittings to the
stated	d standard. The fittings covered by this declaration, for which I seek registration, are Category A
In su	apport of this application, the following information, calculations and/or test data are attached:
Fittin	ng catalogue and proof test results
	SAMSUNG LAW &
DEC	CLARED before me at NOTARY OFFICE INC in the City of Yangsan of Korea
this _	8th day of March (Month), 2016
(print	
(sign)	(Signature of Applicant)
(Sign)	(A Commissioner for Oaths)
For (Office Use Only
	ne 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
Regis	stration Number: UA 18 3 6 4 . 5 2
Date	Registered: 2016-05-11 (For the Administrator/Chief Inspector of Alberta) Expiry Date: 2026-04-04
informa	ation you provide is necessary only for the administration of the programmed required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

SUPERLOK®

Tube Fittings

High Technology Valve & Fitting Series





Tube Fittings

XING LIU, REng. DESIGN SURVEY ENGINEER

BMT Co., Ltd. www.superlok.com



New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE Fax: (778) 396 - 2064 www.safetyauthority.ca

N-CUBED ENGINEERING 310A-175 LONGWOOD ROAD S HAMILTON ON L8P 0A1 CANADA Date: April 11, 2016

Account #: 58794 Journal #: 65137 Our File #: 5586116

Attn: CUNG NGUYEN

Re: Application for Design Registration

The design, as detailed in your, SUPERLOK, for a Fitting is accepted for registration as follows:

Registered To: BMT CO LTD CRN: 0A18364.51

Drawing #: SUPERLOK Tube Fittings Cat'g

Conditions Of Registration:

Registration of SUPERLOK tube fittings (imperial size only) as per scope of reg'n sheets (7 pages).

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 April 04, 2026. 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.

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

SHARON PETERS

boiler.designregistration@safetyauthority.ca Design Administration

cc:

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



Inspection and Technical Services Manitoba

500 - 401 York Avenue Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309

www.firecomm.gov.mb.ca/codes_steam_pressure.html

June 13, 2016

N-Cubed Engineering Suite 310A - 175 Longwood Rd. Hamilton, ON L8P 0A1

Attn: Cung Nguyen

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: BMT Co. Ltd.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
SUPERLOK TUBE FITTINGS CATALOGUE	0A18364.54	36502

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **TSSA**.
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires April 4, 2026.

This registration is valid until the indicated expiry date 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly.

Rabie Harb, E.I.T.

Design Surveyor

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca

Nominal Tube Size (inch)	Pressure Rating (psi)*	Fitting Type**
1/16	12,000	SU (15), SRU (16)
1/8	10,900	SBHRU (17), SBHU (18)
3/16	10,200	SUE (31), SUT (39)
1/4	10,200	SRUT (40), SUC (49)
5/16	8,000	SR (51), SBR (53)
3/8	6,500	SPC (56), SFTC (58)
1/2	6,700	SP (68), SC (68)
5/8	6,000	
3/4	5,800	SPWC (66)
7/8	4,800	SMPWE (67)
1	4,700	SSWC (67)
1-1/4	3,600	SSWE (67)
1-1/2	3,400	
2	3,600	

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

SSWE 16



^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
1/16	6,700	SFC (25)
1/8	6,500	SBFC (29)
1/4	6,600	SFE (38)
3/8	5,300	SFBT (47)
1/2	4,900	SFRT (48)
3/4	4,600	SFA (55)
1	4,400	
1-1/4	5,000	
1-1/2	4,600	
2	3,900	

^{*} Pressure rating at 100°F.

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
5/16	4,568	SPHME (36)
7/16	4,568	SPME (36)
1/2	4,568	SPMBT (43)
9/16	3,626	SPMRT (46)
3/4	3,626	Section States Service Section 5.
7/8	2,900	
1-1/16	2,900	
1-3/16	2,320	
1-5/16	2,320	
1-5/8	1,813	
1-7/8	1,813	
2	1,450	

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

- SPHME 6/8/12/16
- SPME 24/32
- SPMBT 24/32
- SPMRT 24/32

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

AMERICAL SECTION OF THE SECTION OF T	TABLE 8 – ISO PARALLEL FITTINGS	
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
1/8	4,568	SGC (27)
1/4	4,568	SPME (37)
3/8	4,568	SPMBT (42)
1/2	2,320	SPMRT (45)
3/4	2,320	SOSC (60)
1	2,320	400 CO 100 CO 10

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

- SGC 4
- SPMBT 12/16
- SPMRT 16
- SOSC 12/16

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

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, Sanmakgongdannam 11-gil,Yangsan-Si,Gyeongsangnam-do, KOREA				
PLANT LOCATIONS: 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeon	gsangnam-do, KOREA			
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CA				
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, 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, I pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over p boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categori	evels, or ASME B31.3-2014 ressure protection on			
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB of SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL AP	Control of the Contro			
BMT Co.,Ltd Brand name: SUPERLOK	FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER:			
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE	ACTUAL ITEMS TO BE REGISTERED:			
Fitting catalogue and proof test results				
responsibility for the quality of the end product do solemnly declare that my knowledge represents the product for which registration is sought. temperature ratings, and identification markings are in accordance with manufacture of these fittings is regulated by a Quality Control Program or in part and has been verified by declaration conscientiously believing it to be true, and knowing that it is Signature of Declarer:	The dimensions, materials of construction, pressure the herein named standards. I further declare that the which extends to each plant where fabrication occurs in whole as being suitable for that purpose and I make this solemn			
Declared before me at SAMSUNG LAW & NOTARY 6 FFICE INC. This 8th day of March AD 2016 Commissioner of Oaths or Notary Public: (sign) (Affix Official seal to the right) This space for Regulated after ten				
This registration must be revalidated after ten	POUSER S. NEEDER A BRANCH OF			
CRN: 0A18364.5 FID#: 15311	CRN OA 18364.57			
Notes: 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 at a maximum interval of five (5) years.	CHIEF BOILER INSPECTOR DATE: April 22/2016 BLRs PVs			
	FITTINGS COMPONENTS			

· 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, 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 A Pipe fittings, including couplings, tees, eibows, 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	ASME B31.3-2014
N Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting AECB or ASME requirements)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT BMT Co., Ltd Brand name: SUPERLOK	FORGED I VIELDED D WROUGHT D CAST DOTHER D DESCRIBE OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE R	EGISTERED:
Fitting catalogue and proof test results DECLARATION:	
responsibility for the quality of the end product do solemnly declare that the information contain my knowledge represents the product for which registration is sought. The dimensions, materitemperature ratings, and identification markings are in accordance with the herein named stan manufacture of these fittings is regulated by a Quality Control Program which extends to each	als of construction, pressure dards. I further declare that the plant where fabrication occurs in whole that purpose and I make this solemn
Signature of Declarer: Declared before me at SAMSUNG LAW ENDTARY OFFICE INC. This Qth day of March AD 2016 Commissioner of Oaths or Notary Public: (sign) (Affix Official seal to the right)	S S P A C P S ALVA
This space for Regulatory Authority use	CON S
	Newformand Labrador Bervice NL aglatered OA18364.50
Notes: 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.	eta O 9 22 Inglecering and inspection Services Registered by UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND HE BOLER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS

UNIFORM ST	ATUTORY DECLARATION	FORM FOR THE	REGISTRATION	OF FITTING DESIG	SNS
EW BRUNSWICK UNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD IS NORTHWEST TERR	SLAND	NEWFOUNDLAND AND	
ANUFACTURERS NAME:	BMT Co.,LTd				
ANUFACTURERS ADDRE	SS: 35, Sanmakgongdannam	n 11-gil, Yangsan-Si, Gy	eongsangnam-do,	KOREA	
LANT LOCATIONS: 35	Sanmakgongdannam 11-gil,Yan	ngsan-Si, Gyeongsangr	nam-do, KOREA		
CATEGORY OF F	TTINGS TO BE REGISTERED, C	IRCLE ONE CATEGO	RY ONLY	TITLE OF THE STANDARD	OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separato	plings, tees, elbows, Ys, plugs, un connections, and hose assemblies is, and steam traps	: all types			
prossure transmillers Certified capacity-rated probabilers, pressure vessels, Prossure retaining compo	nents that do not fall into one of the iss 1 Class 2 Class 3 (A	is primary over pressure e above categories Meeting AECB or ASME	protection on requirements)	ASME B31.3-	2014
HOW MANUFACTURERS	NAME, TRADEMARK, OR LOGO	AS IT WILL APPEAR	ON THE PRODUCT	TYPE OF CONS	
BMT Co.,Ltd Brand name: SUPER	RLOK			FORGED WELDED CAST OTHER DESCRIBE OTHER:	WROUGHT []
LIST OF SUPPORTING DO	CUMENTATION AND IDENTIFICA	ATION OF THE ACTUA	AL ITEMS TO BE RE	GISTERED:	
Fitting catalogue and	proof test results	التند دينا			
DECLARATION:	(see note 3) employed b	ov.	and he	sing the person having	. f. II II '.
ny knowledge represents emperature ratings, and it nanufacture of these fittin or in part and has been ve	y of the end product do solemn the product for which registrati dentification markings are in ac gs is regulated by a Quality Co	nly declare that the in ion is sought. The di scordance with the he entrol Program which	formation contains mensions, materia erein named stand extends to each p	als of construction, pre ards. I further declare plant where fabrication	and to the best of essure that the occurs in whole
ignature of Declarer:	J. Cam		225012E	٠	
	MSUNG UND ENCTARY OFFI			SPAC	
	March AD 20	016	D- OF	ICIAL	
Commissioner of Oaths or Notary Public: (sign)	(Affix Official seal to the right)	yend !	Rights		
7	This sp his registration must be revalld	pace for Regulatory Auti dated after ten (10) y	hority use	deceptance.	
CRN: 0A18364.5	6.	/			る。
FID#: 15311			7/12/0	TERED	\$163.0
Each category shall be forms and one copy of sup.	tered in the name of the Manufactt supported with two Statutory Decla porting documentation. made by the person having full au	uror. aration	THE BOILER A	NUTHORITY OF NO PRESSURE LACT.	

- 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 at a maximum interval of five (5) years.

Ot-21-16;21:54 ;From:

14/26

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWIC	K
AILINIAVILIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

TORON NORTHWEST TERRITORIES	
ANUFACTURERS NAME: BMT Co.,LTd	
NUFACTURERS ADDRESS: 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangna	m-do, KOREA
ANT LOCATIONS: 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangnam-do, KOR	EA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers Flanges: all flanges Valves: all line valves Expansion joints, flexible connections, and hose assemblles: all types Strainers, filters, separators, and steam traps Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or	ASME B31.3-2014
pressure transmitters Certified capacity-rated pressure relief devices acceptable as primary over pressure protection or boilers, pressure vessels, piping and fusible plugs Pressure retaining components that do not fall into one of the above categories Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting AECB or ASME requirements)	1
HOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRO	
BMT Co.,Ltd Brand name: SUPERLOK	FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO	BE REGISTERED:
CATEGORY A Fitting catalogue and proof test results	
الناب المسالة ا	
DECLARATION:	
esponsibility for the quality of the end product do solemnly declare that the information on my knowledge represents the product for which registration is sought. The dimensions, re emperature ratings, and identification markings are in accordance with the herein named manufacture of these fittings is regulated by a Quality Control Program which extends to	materials of construction, pressure d standards. I further declare that the each plant where fabrication occurs in whole le for that purpose and I make this solaring
Signature of Declarer: C () Com Declared before me at SANSUNG UNW ANDTARY OFFICE INC.	77
This Gth day of March AD 2016	DE ICIAL
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 t	he data of acceptance
CRN: 0A18364.5	PRESSURE
FID#: 15311 Date	April 20/16
11000,	A18364.58
forms and one copy of supporting documentation.	described
The declaration shall be made by the person having full authority and responsibility for the quality of the end product.	⊥ of ⊥ Part

UNIFORM STATE	JTORY DECLARAT	TION FORM FOR THE REGISTRAT	TION OF FITTING DESIGNS
EW BRUNSWICK JUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	BMT Co.,LTd		
MANUFACTURERS ADDRESS:	35, Sanmakgongda	annam 11-gil, Yangsan-Si, Gyeongsangnar	m-da, KOREA
PLANT LOCATIONS: 35, Sa		il, Yangsan-Si, Gyeongsangnam-do, KORI	
		ED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible conic Strainers, filters, separators, a F Measuring devices, including pressure transmitters G Certified capacity-rated press boilers, pressure vessels, pip	nections, and hose asser and steam traps pressure gauges, level g ure relief devices accept ing and fusible plugs	auges, sight glasses, levels, or able as primary over pressure protection on	ASME B31.3-2014
H Pressure retaining component	ts that do not fall into one		
N Nuclear components: Class	□ Class 2 □ Class 3	☐, (Meeting AECB or ASME requirements	()
	ME, TRADEMARK, OR L	OGO AS IT WILL APPEAR ON THE PROD	
BMT Co.,Ltd Brand name: SUPERLO	ρK		FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER.
CATEGORY A Fitting catalogue and p	roof test results		
DECLARATION:	(see note 3) emplo	yed bya	and being the person having full authority a
emperature ratings, and iden manufacture of these fittings or in part and has been verified declaration conscientiously but the beginning of t	product for which reg tification markings are is regulated by a Qual ed by_elieving it to be true, a	olemniy declare that the information co istration is sought. The dimensions, me in accordance with the herein named ity Control Program which extends to eas being suitable and knowing that it is of the same force	ontained in this form is true and to the best laterials of construction, pressure standards. I further declare that the each plant where fabrication occurs in whole a for that purpose and have been in whole a for that purpose.
This <u>Eth</u> day of Commissioner of Oaths or Notary Public: (sign),	Jaj won	2016 Proceeds	E ICIAL COMPANY
This	(Affix Official seal to the T registration must be r	right) This space for Regulatory Authority use revalidated after ten (10) years from the Number	e date of acceptance of accept
FID#: 15311			REGISTERED
Notes: 1. All fittings shall be registere 2. Each category shall be sup- forms and one copy of suppor 3. The declaration shall be m.	ported with two Statutory ting documentation.	Declaration	April 21, 2016

responsibility for the quality of the end product. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Territorial Registration Fee



14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Tel.: 416.734.3300 Fax: 416.231.1626

Toll Free: 1.877.682.8772

www.tssa.org

April 04, 2016

CUNG NGUYEN N-CUBED ENGINEERING 175 LONGWOOD RD S SUITE 310A HAMILTON ON L8P 0A1 CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 1836552

Your Reference No.:

Registered to:

BMT CO LTD

Dear CUNG NGUYEN,

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

CRN No.:

0A18364.5

Main Design No.:

SUPERLOK Tube Fittings (for the scope of registration refer to the Statutory

Declaration attachment - 7 pages)

Expiry Date:

04-Apr-2026

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. 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,

Mark Valcic P. Eng. Engineer BPV

Tel.: 416-734-3494 Fax: 416-231-6183

Email: <u>mvalcic@tssa.org</u>



TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



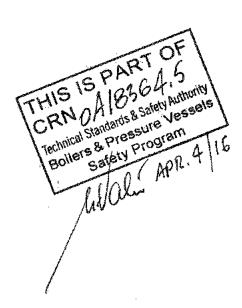
STATUTORY DECLA Registration of Fittin		
Į, Jong Chan, Yoon / President	C	
(Name and Position, e.g. President, Plant Manager, Chi	ef Engineer)	
of BMT Co.,Ltd		
(Name of Manufacturer)	·	
Located at 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangnam-do, P	f +82-55-783-1067	+82-55-783-1090
(Plant Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject to the and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3-2014	e Technical Standards	s and Safety Act, Boile
(Title of recognized North American Standard) Which specifies the dimensions, materials of construction, pressure/temperature ratio		
or are not covered by the provisions of a recognized North American standard as supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the	identifies the dimension fitting for identification a meeting the requiremen	is, material of construction and service.
which has been verified by the following authority, HSB REGISTRA. The items covered by this declaration, for which I seek registration, are category. A		
this application, the following information and/or test data are attached as follows: Fitting catalogue and proof test results	.	type fittings. In support o
(drawings, calculations, test reports, etc.)	· · · · · · · · · · · · · · · · · · ·	······································
Declared before me at SAMSUNG LANS NOTARY OFFICE BLC. in the	Sc Yw	7
(Signature)	(Signature of De	clarer)
FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program
ON 18364.5	REGIS	TERED
Registered by: MARK VALCIC, P. ENG.	CRM.	
Pated: <u>APRIL 4, Col6</u> IOTE: This registration expires on: APRIL 4, Col6	Signed: W. V. Daw APRIL	4,2016
	herromen and an analysis and an analysis of the second	The security of the security o
volvedites FOR FULL SCOPE OF REGISTRATION SEE THE A	TTACHED SEVEN	(7) PAGESULA
		donica 1

TABLE 1—TUBE COMPRESSION FITTINGS			
Nominal Tube Size (inch)	Pressure Rating (psi)*	Fitting Type**	
1/16	12,000	SU (15), SRU (16)	
1/8	10,900	SBHRU (17), SBHU (18)	
3/16	10,200	SUE (31), SUT (39)	
1/4	- 10,200	SRUT (40), SUC (49)	
5/16	8,000	SR (51), SBR (53)	
3/8	6,500	SPC (56), SFTC (58)	
1/2	6,700	SP (68), SC (68)	
5/8	6,000		
3/4	5,800	SPWC (66)	
7/8	4,800	SMPWE (67)	
1	4,700	SSWC (67)	
1-1/4	3,600	SSWE (67)	
1-1/2	3,400		
2	3,600		

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

\$\$\text{\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$



^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

TABLE 2 - MALE NPT & ISO TAPERED FITTINGS Nominal Thread Size (inch) Pressure Rating (psi)* Fitting Type**			
	Fitting Type**		
11,000	SMC (19, 20)		
10,000	SBMC (28)		
	SME (34, 35)		
· · · · · · · · · · · · · · · · · · ·	SHME (35)		
	SMBT (41)		
	SMRT (44)		
	SMA (54)		
· · · · · · · · · · · · · · · · · · ·	SOPC (60)		
· · · · · · · · · · · · · · · · · · ·			
	Pressure Rating (psi)*		

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

SME 32

THIS IS PART OF

CRN OA 18364.5

Technical Standards & Safety Authority

Technical Standards & Pressure Vessels

Boilers & Pressure Vessels

Safety Program

APRIL 4 16

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

TABLE 3 - FEMALE NPT & ISO TAPERED FITTINGS			
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**	
1/16	6,700	SFC (25)	
1/8	6,500	SBFC (29)	
1/4	6,600	SFE (38)	
3/8	5,300	SFBT (47)	
1/2	4,900	SFRT (48)	
3/4	4,600	SFA (55)	
1	4,400		
1-1/4	5,000		
1-1/2	4,600		
2	3,900		

^{*} Pressure rating at 100°F.

THIS IS PART OF

CRN ON B364.5

Technical Standards & Safety Authority

Boilers & Pressure Vessels

Boilers & Program

Safety Program

Apr. 4, 2026

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

TABLE 4 - NON-POSITIONABLE SAE/MS FITTINGS			
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**	
5/16	4,568	SSMC (61)	
7/16	4,568		
1/2	4,568		
9/16	4,568		
3/4	4,568		
7/8	3,626		
1-1/16	3,626		
1-3/16	2,900		
1-5/16	2,900		
1-5/8	2,320		
1-7/8	2,320		
2	1,813		

^{*} Pressure rating at 100°F.

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CRN OAB364.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Bafety Program
Safety Program
APR. 4

^{**} Number in () corresponds to Superiok Tube Fittings catalogue page.

TABLE 5 - POSITIONABLE SAE/MS FITTINGS				
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**		
5/16	4,568	SPHME (36)		
7/16	4,568	SPME (36)		
1/2	4,568	SPMBT (43)		
9/16	3,626	SPMRT (46)		
3/4	3,626			
7/8	2,900			
1-1/16	2,900			
1-3/16	2,320			
1-5/16	2,320			
1-5/8	1,813			
1-7/8	1,813			
2	1,450			

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

- SPHME 6/8/12/16
- SPME 24/32
- SPMBT 24/32
- SPMRT 24/32

THIS IS PART OF

CRN 0 A 18364.5

Technical Standards & Safety Authority

Technical Standards & Pressure Vessels

Boilers & Pressure Vessels

Safety Program

MIL. 4 16

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

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, Sanmakgongdannam 11-gil, Yangsan-Si,	Syeongsangnam-do KOREA
PLANT LOCATIONS: 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsan	
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGO	
A Pipa filtings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or re B Flanges: all flanges C Valves: all fine 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, lovels	ducors
pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories	re protection on
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB or ASN	ME requirements)
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR BMT Co., Ltd Brand name: SUPERLOK	TYPE OF CONSTRUCTION FORGED UNLOSD () WROUGHT () CAST () OTHER () DESCRIBE OTHER;
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACT	JAL ITEMS TO BE REGISTERED.
CATEGORY A Fitting catalogue and proof test results	
DECLARATION:	dimensions, materials of construction, pressure herein named standards. I further declare that the th extends to each plant where fabrication occurs in whole
Signature of Declarer:	SECULO SE PACY PERSONE ICIAL MISON SI
This space for Regulatory A	
This registration must be revalidated after ten (10)	years from the date of acceptance.
CRN: 0A18364.5	ACCEPTED
FID#: 15311	PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
Notes: 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	C.R.N. OA 1836 4.59 DATE: April 22/16



Direction générale de l'inspection

Montréal, 14-June-2018

NGUYEN CUNG N-CUBED ENGINEERING. #409-8 MAIN STREET HAMILTON ONTARIO CANADA L8N 1E8

Manufacturer: BMT CO. LTD

35 SANMAKGONGDANNAM 11-GIL YANGSAN-SI GYEONGSANGNAM-D

KOREA

Our reference: 953846

Design number: SUPERLOK TUBE FITTINGS CATALOGUE

Subject: Registration of designs - Confirmation of approval

Dear Madam:

The Régie du bâtiment du Québec (RBQ) informs you that your application for the registration of designs has been evaluated and that the design was registered under the Canadian Registration Number (CRN\NEC): **0A18364.56**

We bring your attention this requirement of the regulation respecting pressure vessels, and the codes and standards adopted:

 The manufacturer must maintain a valid quality control program to produce according to the CRN.

This notice of approval does not relieve the constructor of his responsibilities with respect to the design or construction of equipment manufactured according to this CRN.

Yours sincerely,

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

k 副電影

법무법인 삼 성

Registered No. 2018 - 1004

NOTARIAL CERTIFICATE

SAMSUNG LAW & NOTARY OFFICE INC.

Belong to Ulsan District Prosecutor's Office 168, Jungang-Ro, Yangsan-City, Gyeongsangnam-Do, Korea

TEL: +82 55 372-5599

Régie du bătiment Québec

Statutory Declaration Registration of Fittings

(a)	Design Qualification			
I ¹	Jong Chan, Yoon			
_	(Name of applicant)			
	President			
	(Position eg, president, plant manager, chief eng.)			
of _	BMT Co., Ltd.			
	(name of company)			
Loca	ted at 35, Sanmakgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea			
	(plant address)			
do s	plemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:			
\boxtimes	comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: ASME B31.3-2014			
Or	required. Asimic BS 1.3-2014			
	are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.			
(b)	Quality control of Manufacture			
I furt ISO	ner declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of 9001-HSB and has been verified by the following authority or authorized agency HSB Registration Service			
The	ittings² covered by this declaration, for which I seek registration, are Category A type fittings			
In su	pport of the application, the following information, calculations and/or test data are attached: ng catalog and proof test results			
Decla	ared before me at _SANSUNG LAW & NOTARY OFFICE INC.			
In the	city of Yangsan of Korea			
The	24th day of April AD 2.18			
	Jay woon year			
	JANG WOON YEOUNG Signature of Declarer ³			
	For Official Use Only			
The	e application is accepted for registration in Category in accordance with the Boilers and Pressure Vessels Act d CSA Standard B51.			
Thi	s registration must be revalidated after ten (10) years from the date of acceptance.			
Reg	gistered Number CRN OA 18364.56 For the Chief Inspector Date JUN 14 7018			

Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be

All fittings are required to be registered in the name of the Manufacturer.

This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.

법무법인 삼 성

등부 2018 년 제 1004 호

Registered No. 2018 - 1004

인 증

Notarial Certificate

위 등록신청서 에 기재된 촉탁인 주식회사 비엠티 대표이사 윤종찬 의 대리인 박세진은 본 공증인의 면전 에서 위 사서증서에 위 본인이 서명 또는 기명날인한 것임을 확인하였다.

SEJIN PARK attorney-in-fact of JONG CHAN, YOON, President of BMT Co., Ltd. appeared before me and admitted principal's subscription to the attached

the STATUTORY DECLARATION Registration of Fittings.

2018 년 4월 20일이 사무소에 서 위 인증한다. This is hereby attested on this 20thday of APR., 2018. at this office.

법무법인 삼 성 소속 울산지방검찰청

경남 양산시 중앙로 168. 2층



SAMSUNG Law & Notary Office INC.

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City,

Gyeongsangnam-do, Korea.

Signature of the Notary Public

JANG WOON YEOUNG

This office has been authorized by the Minister of Justice, the Republic of Korea to act as Notary Public since Feb. 7. 2015. under Law No. 220.

TABLE 1 – TUBE COMPRESSION FITTINGS			
Nominal Tube Size (inch)	Pressure Rating (psi)*	Fitting Type**	
1/16	12,000	SU (15), SRU (16)	
1/8	10,900	SBHRU (17), SBHU (18)	
3/16	10,200	SUE (31), SUT (39)	
1/4	10,200	SRUT (40), SUC (49)	
5/16	8,000	SR (51), SBR (53)	
3/8	6,500	SPC (56), SFTC (58)	
1/2	6,700	SP (68), SC (68)	
5/8	6,000		
3/4	5,800	SPWC (66)	
7/8	4,800	SMPWE (67)	
1	4,700	SSWC (67)	
1-1/4	3,600	SSWE (67)	
1-1/2	3,400		
2	3,600		

^{*} Pressure rating at 100°F.

Fittings excluded from registration scope:

SSWE 16

QUÉBEC ENREGISTRÉ NEC (CRN): DA 18364.56 DATE: JUN 1 4 7018

OA18364.56

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.

Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
1/16	6,700	SFC (25)
1/8	6,500	SBFC (29)
1/4	6,600	SFE (38)
3/8	5,300	SFBT (47)
1/2	4,900	SFRT (48)
3/4	4,600	SFA (55)
1	4,400	
1-1/4	5,000	
1-1/2	4,600	
2	3,900	

^{*} Pressure rating at 100°F.

OA18364.56

^{**} Number in () corresponds to Superlok Tube Fittings catalogue page.



2202 2nd Avenue Regina, SK S4R 1K3 Canada (306) 798-7111 info@tsask.ca www.tsask.ca

REGISTRATION OF FITTING DESIGN

06-May-16

N-Cubed Engineering 175 Longwood Rd. South, Suite 310A Hamilton, ON L8P 0A1

ATTENTION: Cung Nguyen File Number: 10133 [0 F]

With reference to your submission respecting the registration of the item below, for legal use in the province, please note we have surveyed and registered this design in accordance with The Boiler and Pressure Vessel Act.

MANUFAC	TURER:	BMT Co., Lt	td.	
CATALOG	OR DRAWING: Scope of registration	- 7 pages		
ITEM: S	SUPERLOK Tube Fittings Catalogue		CRN:	OA18364.53

We wish to point out that every fitting must be constructed strictly in 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. The date of expiry for this registration is **April 04, 2026.**

Sincerely,

Liting (Frank) Huang, Engineer-in-Training

Codes and Standards Compliance

REMARKS: CRN registered under reciprocal agreement.

· UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

responsibility for the quality of the end product.

at a maximum interval of five (5) years.

4. Quality control programs shall be resubmitted for validation

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: BMT Co.,LTd		
MANUFACTURERS ADDRESS: 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangnam-do, K	OREA	
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 CONSTRUCTION	
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 	ASME B31.3-2014	
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB or ASME requirements)		
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT BMT Co., Ltd Brand name: SUPERLOK	TYPE OF CONSTRUCTION FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER:	
CATEGORY A Fitting catalogue and proof test results	GISTERED:	
responsibility for the quality of the end product do solemnly declare that the information contains my knowledge represents the product for which registration is sought. The dimensions, materia temperature ratings, and identification markings are in accordance with the herein named stand manufacture of these fittings is regulated by a Quality Control Program which extends to each p	Is of construction, pressure ards. I further declare that the lant where fabrication occurs in who hat purpose and I make this solemn	of
(Affix Otricial seal to the right) This space for Regulatory Authority use		
This registration must be revalidated after ten (10) years from the date CRN: 0A18364.5 FID#: 15311	e of acceptance.	