



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,

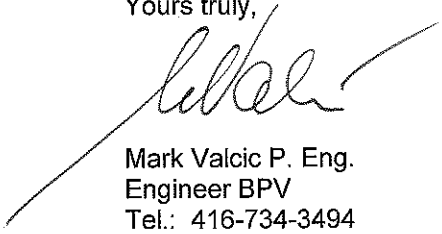
Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

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: mvalcic@tssa.org



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 DECLARATION Registration of Fittings

I, Jong Chan, Yoon / President
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of BMT Co., Ltd
(Name of Manufacturer)

Located at 35, Sanmakgongdannam 11-gil, Yangsan-Si, Gyeongsangnam-do, Kf +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 **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3-2014

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO9001-HSB which has been verified by the following authority, HSB REGISTRATION SERVICE

The items covered by this declaration, for which I seek registration, are category A type fittings. In support of this application, the following information and/or test data are attached as follows:
 Fitting catalogue and proof test results

(drawings, calculations, test reports, etc.)

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC. in the city of Yangsan of Korea
 the 8th day of March AD 2016

Commissioner for Oaths:

JANG WOON YEOUNG

(Printed name)

Jang woon yeung
(Signature)

Jc Yoon

(Signature of Declarer)

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 A

CRN: 0A18364.5
 Registered by: MARK VALCIC, P. ENG.
 Dated: APRIL 4, 2016
 NOTE: This registration expires on: APRIL 4, 2026

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A18364.5
 Signed: *[Signature]*
 Date: APRIL 4, 2016

NOTE: FOR FULL SCOPE OF REGISTRATION SEE THE ATTACHED SEVEN (7) PAGES
[Signature]
 APRIL 4, 2016

PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

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.

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

Fittings excluded from registration scope:

- SSWE 16

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

TABLE 2 – MALE NPT & ISO TAPERED FITTINGS		
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
1/16	11,000	SMC (19, 20) SBMC (28) SME (34, 35) SHME (35) SMBT (41) SMRT (44) SMA (54) SOPC (60)
1/8	10,000	
1/4	8,000	
3/8	7,800	
1/2	7,700	
3/4	7,300	
1	5,300	
1-1/4	6,000	
1-1/2	5,000	
2	3,900	

* Pressure rating at 100°F.

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

Fittings excluded from registration scope:

- SME 32

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

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.

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

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.

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

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

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.

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

Fittings excluded from registration scope:

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

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

TABLE 6 – AN (JIC) STRAIGHT FITTINGS		
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
7/16	10,000	SRPC (57)
9/16	8,200	SAF (58)
3/4	8,200	SAU (59)
1-1/16	7,000	SAA (59)
1-5/16	5,000	

* Pressure rating at 100°F.

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

Fittings excluded from registration scope:

- SAF 2
- SAU 16
- SAA 16

TABLE 7 – AN (JIC) SHAPED FITTINGS		
Nominal Thread Size (inch)	Pressure Rating (psi)*	Fitting Type**
7/16	10,000	NONE
9/16	7,600	
3/4	7,600	
1-1/16	6,300	
1-5/16	4,100	

* Pressure rating at 100°F.

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

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PRESSURE RATING CHARTS FOR SUPERLOK IMPERIAL TUBE FITTINGS

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	

* Pressure rating at 100°F.

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

Fittings excluded from registration scope:

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

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