



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.231.6183
 www.tssa.org



National Design Registration
Application for a CRN
Technical Standards and Safety Act
 Boilers and Pressure Vessels Regulation

Date of Application (mm/dd/yyyy): 08/20/2019	Expedited Service (Ontario Only) <input checked="" type="checkbox"/> Yes (form attached) <input type="checkbox"/> No	Service Request Number: (For office use only) <u>2671536</u> <u>2671544 (NAT)</u>
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Please indicate the type of design for National Service:
 Pressure Vessel Boiler Fitting

Existing CRN: 0A13361.5 / 0A13361.5ADD1
 (if applicable)

Section A: Submitter (Legal Company Name)	Section B: Invoicee Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> C <input type="checkbox"/> D
Company Name: SUNGKWANG BEND CO., LTD.	Company Name:
Address: 26, Noksansandan 262-ro, Gangseo-gu	Address:
City/Town: Busan Province/State:	City/Town: Province/State:
Postal/Zip Code: 46757 Country: Korea	Postal/Zip Code: Country:
Telephone: 82-51-330-0479	Telephone:
Contact Name: Su Keun, Lee	Contact Name:
E-mail: leesugun@skbend.com	E-mail:
Job No./Reference:	Purchase Order No.:
Drawing/Catalog No.: Catalog# - 22th Edition(Jul.2017)	
Account/Customer Number: <u>166815 C-357284</u>	Account/Customer Number
Section C: Owner of Design/ CRN Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D	Section D: Manufacturer Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C
Company Name:	Company Name:
Address:	Address:
City/Town: Province/State:	City/Town: Province/State:
Postal/Zip Code: Country:	Postal/Zip Code: Country:
Telephone:	Telephone:
Contact Name:	Contact Name:
E-mail:	E-mail:
Acct/Cust No.:	Acct/Cust No.:

Kindly select the province registration is required:

For renewals or additions to registrations where registration was obtained outside of Ontario first, in order to keep that registration number, please apply to the original registering province first, then proceed to apply with national registration with TSSA. If you proceed with national registration at TSSA first, we will need to issue a new registration number.

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Ontario | <input checked="" type="checkbox"/> Saskatchewan | <input checked="" type="checkbox"/> New Brunswick | <input checked="" type="checkbox"/> Newfoundland and Labrador |
| <input type="checkbox"/> British Columbia | <input checked="" type="checkbox"/> Manitoba | <input checked="" type="checkbox"/> Nova Scotia | <input checked="" type="checkbox"/> Yukon |
| <input checked="" type="checkbox"/> Alberta | <input checked="" type="checkbox"/> Quebec | <input checked="" type="checkbox"/> Prince Edward Island | <input checked="" type="checkbox"/> Northwest Territories |
| | | | <input checked="" type="checkbox"/> Nunavut |

Return Mail to: A B C D Call for Pick up at Head Office

REGISTRATION NUMBER: (For Office Use Only)

0A13361.5R2

Optional Courier Collect:
 (Completed ON Reg. Only)

DHL FEDEX PUROLATOR UPS

Acct No.: _____



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416 734 3300
Fax: 416 231 1626
Toll Free: 1 877 682 8772

www.tssa.org

November 11, 2019

SU KEUN LEE
SUNGKWANG BEND CO. LTD.
26 NOKSANSANDAN 262-RO
GANGSEO-GU, BUSAN 618-820
KR

Service Request Type: BPV-Fitting Registration
Service Request No.: 2671536
Your Reference No.:
Registered to: SUNGKWANG BEND CO. LTD.

Dear SU KEUN LEE,

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

CRN No.: 0A13361.5R2
Main Design No.: SEE CATALOG # 22TH EDITION - SEE SCOPE "Part of CRN"
Expiry Date: 11-Nov-2029

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

Note: See attached "Part of CRN" for the scope.

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,

A handwritten signature in blue ink that reads 'Charley Dong'.

Charley Dong, M.Sc. P.Eng.
Mechanical Engineer

Tel.: 416-734-3436
Fax: 416-231-6183
Email: cdong@tssa.org



법무법인(유한) 국 제

Registered No. 20 / 9 - 1948

NOTARIAL CERTIFICATE

Busan International Law & Notary Offices.

(Geoje-dong, Busan Judicial Offices Town Bldg)

#205, 28, Beobwon-ro, Yeonje-gu,

Busan, Korea



법무법인(유한) 국제

등부 2019 년 제 1948 호

Registered No. 2019 - 1948

인 증 Notarial Certificate

위 , 법적 선언서 - 피팅등록
에 기재된



KIM SEONG YONG

김 성 용 은
본 공증인의 면전에서 위 사서증서에
자기가 서명한 것임을 자인하였다.

personally appeared before me and
admitted his(her) subscription to the
attached STATUTORY DECLARATION
- Registration of Fittings.

2019 년 8 월 19 일 이 사무소에서
위 인증한다.

This is hereby attested on this 19 th
day of August , 2019 at this office.

법무법인(유한) 국제

소속 부산지방검찰청
부산 연제구 법원로 28, 205호
(거제동, 부산법조타운빌딩)

Busan International Law & Notary Offices
Belong to Busan District Public Prosecutors' Office
(Geoje-dong, Busan Judicial Offices Town Bldg)
#205, 28, Beobwon-ro, Yeonje-gu, Busan, Korea

공증담당
변 호 사

박 영 수



Park Yongsoo

(Signature of the Notary Public)

Park Yong Soo

This office has been authorized by the
Minister of Justice, the Republic of
Korea, to act as Notary Public since
Dec. 31, 1982 under Law No. 3594

THIS IS PART OF
 CRN 0A13361-5R2
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division

Doc.No.: SKB-CRN-2019 Rev.0

Scope of Product Registration

Company Name : Sungkwang Bend Co., Ltd.

Category of Fitting	Name of Fittings	Designation of Applicable Codes and Standards	Material Specifications	Dimensions	Pressure-Temperature Ratings	Maximum Allowable Working Pressure and Temperature	Remarks
Pipe fittings	Elbows	ASME B16.9	ASTM/ASME A/SA 234, A/SA 420, A/SA 403, B/SB 366	1/2" to 48"	N/A	N/A	- Catalogue(22th Ed.) Page: 20-25, 78, 84
		ASME B16.9 / Drawing No. : SKB-R19072301 Rev.0	ASTM/ASME A/SA 234, A/SA 420, A/SA 403	50" to 96"	N/A	N/A	- Report of Design Proof Test: SKDPT-20141023-01
		ASME B31.3 / Drawing No. : SKB-S19022501 Rev.0	ASTM/ASME A/SA 403	96", 102", 110"	N/A	N/A	- Calculation: SKB-C190220-06 Rev.0
		ASME B31.3 / Drawing No. : SKB-S19022502 Rev.0	ASTM/ASME A/SA 403	96", 102", 110"	N/A	N/A	- Calculation: SKB-C190220-05 Rev.0
	Tees	ASME B16.9	ASTM/ASME A/SA 234, A/SA 420, A/SA 403, B/SB 366	1/2" to 48"	N/A	N/A	- Catalogue(22th Ed.) Page: 26-41, 79-81
		ASME B16.9 / Drawing No.: SKB-R19072302 Rev.0	ASTM/ASME A/SA 234, A/SA 420, A/SA 403	50" to 84"	N/A	N/A	- Report of Design Proof Test: SKDPT-20141031-02
		ASME B31.3 / Drawing No. : SKB-S19022503 Rev.0 SKB-S19022504 Rev.0	ASTM/ASME A/SA 403	88", 88"x72", 96", 102", 110"	N/A	N/A	- Calculation: SKB-C190220-07 Rev.0

THIS IS PART OF
 CRN 0A13361-5R2
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division

Category of Fitting	Name of Fittings	Designation of Applicable Codes and Standards	Material Specifications	Dimensions	Pressure-Temperature Ratings	Maximum Allowable Working Pressure and Temperature	Remarks
Pipe Fittings	Reducers	ASME B16.9	ASTM/ASME A/SA 234, A/SA 420, A/SA 403, B/SB 366	1/2" to 48"	N/A	N/A	- Catalogue(22th Ed.) Page: 42-53, 82-83
		ASME B16.9 / Drawing No.: SKB-R19072303 Rev.0	ASTM/ASME A/SA 234, A/SA 420, A/SA 403	50" to 96"	N/A	N/A	- Report of Design Proof Test: SKDPT-20141107-03, SKDPT-20141110-03
		ASME B31.3 / Drawing No. : SKB-S19022505 Rev.0	ASTM/ASME A/SA 403	102"x80", 102"x88", 102"x96", 110"x88", 110"x96", 110"x102"	N/A	N/A	- Calculation: SKB-C190220-03 Rev.0
	Caps	ASME B16.9	ASTM/ASME A/SA 234, A/SA 420, A/SA 403, B/SB 366	1/2" to 48"	N/A	N/A	- Catalogue(22th Ed.) Page: 54-55, 84
		ASME B16.9 / Drawing No.: SKB-R19072304 Rev.0	ASTM/ASME A/SA 234, A/SA 420, A/SA 403	50" to 96"	N/A	N/A	- Report of Design Proof Test: SKDPT-20141107-06
		ASME B31.3 / Drawing No. : SKB-S19022506 Rev.0	ASTM/ASME A/SA 403	102", 110"	N/A	N/A	- Calculation: SKB-C190220-04 Rev.0
	Lateral Pipe Fittings	ASME B31.3 / Drawing No. : SKB-R19072305 Rev.0	ASTM/ASME A/SA 105, A/SA 182, A/SA 350, A/SA 234	1" to 4"	S80, S160	N/A	-Report of Design Proof Test: SKDPT-S02-08

Category of Fitting	Name of Fittings	Designation of Applicable Codes and Standards	Material Specifications	Dimensions	Pressure-Temperature Ratings	Maximum Allowable Working Pressure and Temperature	Remarks
A: Pipe Fittings	Forged Fittings, Socket-Welding and Threaded, Lateral Forged Fittings	ASME B16.11 / Drawing No. : SKB-J19080601 Rev.0	ASTM/ASME A/SA 105, A/SA 182, A/SA 350 THIS IS PART OF CRN 0A13361-5R2 Technical Standards & Safety Authority Boilers & Pressure Vessels	1/8" to 4"	Pressure Ratings : Class 2000, 3000, 6000 for threaded end fittings, Class 3000, 6000, 9000 for socket-weld end fittings	N/A	- Catalogue(22th Ed.) Page: 98-103, 108-111, 114-115 -Report of Design Proof Test: SKDPT-S02-09
	Nipples	ASME B36.10, B36.19/ Drawing No. : SKB-R19072306 Rev.0	ASTM/ASME A/SA 53, A/SA 106, A/SA 312, A/SA 335	1/4" to 6"	S80, S160, XXS	N/A	-
	Swaged Nipples	MSS SP-95	ASTM/ASME A/SA 105, A/SA 182, A/SA 350	1/2" to 6"	S80, S160, XXS	N/A	- Catalogue(22th Ed.) Page: 117 -Report of Design Proof Test: SKDPT-S02-10 ~ -15
	Socket-Welding Reducer Inserts	MSS SP-79	ASTM/ASME A/SA 105, A/SA 182, A/SA 350	3/8"x1/4" to 4x1 1/4"	Pressure Ratings : Class 3000, 6000	N/A	- Catalogue(22th Ed.) Page: 104-105
	Integrally Reinforced Forged Branch Outlet Fittings, Latrolet Fittings	MSS SP-97 / Drawing No. : SKB-J19080602 Rev.0	ASTM/ASME A/SA 105, A/SA 182, A/SA 350	Weldolet:1" to12" Socoklet:1/2" to 4" Latrolet: 1/2" to 2"	Class of Fittings : Weldolet : STD, X-S, S80, S160, XX-S Socoklet : 3000, 6000, 9000 Latrolet : 3000	N/A	- Catalogue(22th Ed.) Page: 118-120 -Report of Design Proof Test: SKDPT-S02-01 ~ -07
	Union	MSS SP-83	ASTM/ASME A/SA 105, A/SA 182	1/8" to 3"	Pressure Ratings : Class 3000	N/A	- Catalogue(22th Ed.) Page: 106-107, 112-113

HSB Registration Services
595 E. Swedesford Road
Wayne, Pennsylvania 19087

Certificate of Registration

This is to certify that:

Sungkwang Bend Co., Ltd.

Head Office and 1st Factory: 26, Noksansandan 262-ro, Gangseo-gu
Busan, Korea

2nd Factory: 35, Noksansandan 262-ro, Gangseo-gu, Busan, Korea

3rd Factory: 55, Noksansandan 262-ro, 49beon-gil, Gangseo-gu, Busan,
Korea

Has established and applied a Quality Management System for:

Head office and 1st Factory: Manufacturing of Pipe Fittings and Flanges

2nd Factory: Manufacturing of Pipe Fittings

3rd Factory: Manufacturing of Expanded Pipes

Proof has been furnished that the requirements according to:

ISO 9001:2015

are fulfilled.

Certificate Number: Q 127

Initial Audit Date: October 16, 1997

Effective Date: October 28, 2018

Expiration Date: October 27, 2021

Revision Date: June 17, 2019


Signed on behalf of HSB Registration Services



Hartford Steam Boiler

