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Toronto, Ontario M9W 6N9
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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,

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 19 - 1947

NOTARIAL CERTIFICATE

Busan International Law & Notary Offices.

(Geoje-dong, Busan Judicial Offices Town Bldg)

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

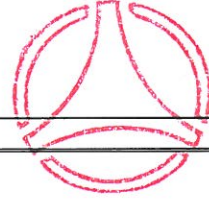
Busan, Korea





Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

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, Seong Yong, Kim / Head of QC Dept.
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Sungkwang Bend Co., Ltd.
(Name of Manufacturer)

Located at 26, Noksansandan 262-ro, Gangseo-gu, Busan, Korea 82-51-330-0479 82-51-330-0335
(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 ASTM, ASME SECTION II, ASME B16.9/B16.11/B16.25/B31.3/B36.10/B36.19, MSS SP-75, -79, -83, -95, -97
(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 ISO 9001 which has been verified by the following authority, Hartford Steam Boiler Registration Services.

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:

Catalog(22th Ed.), ISO 9001(Q 127), Scope of Product Registration, Report of Design Proof Test, Calculation, Drawing
(drawings, calculations, test reports, etc.)

Declared before me at Busan in the _____ of Korea

the 19th day of August AD 2019.

Commissioner for Oaths:
Park Yong Soo
(Printed name)
Park Yongsoo
(Signature)

[Signature]
(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

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: DA13361-5R2

Signed: Charley Dong

Date: Nov. 11. 2019

CRN: DA13361-5R2
Registered by: Charley Dong
Dated: Nov. 11. 2019

NOTE: This registration expires on: Nov. 11. 2029

NOTE: SEE ATTACHED 'PART OF CRN' FOR THE SCOPE.

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

법무법인(유한) 국제

등부 2019 년 제 1947 호

Registered No. 2019 - 1947

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)

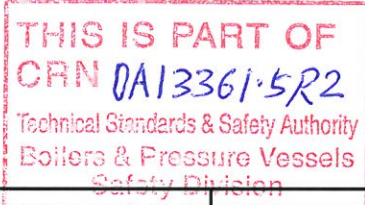
Park Yong Soo

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

Scope of Product Registration

Company Name : Sungkwang Bend Co., Ltd.

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



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	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

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	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

THIS IS PART OF
CRN DA13361-5R2
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
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 Safety Division	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" Soclolet:1/2" to 4" Latrolet: 1/2" to 2"	Class of Fittings : Weldolet : STD, X-S, S80, S160, XX-S Soclolet : 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