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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, Carla Trent, Facility Compliance Officer

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Hackney Ladish, Inc.

(Name of Manufacturer)

Located at 708 South Elmira Avenue, Russellville, AR, 72801

(Plant Address)

479-968-7555

(Telephone No.)

479-964-6231

(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 B16.9, MSS SP75, ASME B16.25, MSS SP 25, CSA Z 245 11, ASTM A 860

(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 9001:2008 which has been verified by the following authority, DNV

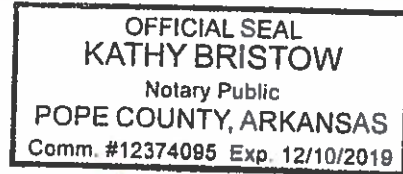
The items covered by this declaration, for which I seek registration, are category A type fittings. In support of this application, the following information and/or test data are attached as follows:

Butt Weld fittings and forges handbook, print, ISO 9001:2008 Certificate Dimension sheet

(drawings, calculations, test reports, etc.)

Declared before me at Russellville in the state of Arkansas

the 8th day of December AD 2017



Commissioner for Oaths:

Kathy Bristow

(Printed name)

Kathy Bristow

(Signature)

Carla Trent

(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: 0A 0379-95R2

Registered by: Wendy In

Dated: Feb. 23, 2018

NOTE: This registration expires on: Feb. 03, 2027

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A 0379-95R2

Signed: Wendy In

Date: Feb. 23, 2018

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

PV 09553 (04/17) See attached 4 pages as scope of registration. W 02/23/2018

ASME B16.9 & B16.25

Materials per ASTM A234 or A420

SCH.	ELBOWS												TEES		REDUCERS	
	90 DEG				45 DEG				RED. ELLS				CAPS		REDUCERS	
	L.R.	S.R.	3.R.	3.R.	L.R.	S.R.	3.R.	3.R.	SL9	SL9	SL9	SL9	STR.	RED.	CONC.	ECC.
STD	SL9	SS9	S3R9	S3R4	SL4	SS4	S3R4	S3R4	SL9	SL9	SL9	SL9	ST	ST	SC	SE
XS	XL9	XS9	X3R9	X3R4	XL4	XS4	X3R4	X3R4	XL9	XL9	XL9	XL9	XT	XT	XC	XE
XXS	XXL9	XXS9	XX3R9	XX3R4	XXL4	XXS4	XX3R4	XX3R4	XXL9	XXL9	XXL9	XXL9	XXT	XXT	XXC	XXE
S/10	1L9	1S9	13R9	13R4	1L4	1S4	13R4	13R4	1L9	1L9	1L9	1L9	1T	1T	1C	1E
S/20	2L9	2S9	23R9	23R4	2L4	2S4	23R4	23R4	2L9	2L9	2L9	2L9	2T	2T	2C	2E
S/30	3L9	3S9	33R9	33R4	3L4	3S4	33R4	33R4	3L9	3L9	3L9	3L9	3T	3T	3C	3E
S/40	4L9	4S9	43R9	43R4	4L4	4S4	43R4	43R4	4L9	4L9	4L9	4L9	4T	4T	4C	4E
S/60	6L9	6S9	63R9	63R4	6L4	6S4	63R4	63R4	6L9	6L9	6L9	6L9	6T	6T	6C	6E
S/80	8L9	8S9	83R9	83R4	8L4	8S4	83R4	83R4	8L9	8L9	8L9	8L9	8T	8T	8C	8E
S/100	10L9	10S9	103R9	103R4	10L4	10S4	103R4	103R4	10L9	10L9	10L9	10L9	10T	10T	10C	10E
S/120	12L9	12S9	123R9	123R4	12L4	12S4	123R4	123R4	12L9	12L9	12L9	12L9	12T	12T	12C	12E
S/140	14L9	14S9	143R9	143R4	14L4	14S4	143R4	143R4	14L9	14L9	14L9	14L9	14T	14T	14C	14E
S/160	16L9	16S9	163R9	163R4	16L4	16S4	163R4	163R4	16L9	16L9	16L9	16L9	16T	16T	16C	16E

THIS IS PART OF
CRN DA0379.95R2
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Sizes- 1/2" to 48" diameter
 Cap, LR, Reducers, Tee and Red Tee

Size for 3R
 3/4" to 48"

MSS SP-75 & MSS SP-25

Materials per wphy 42-70

SCH.	ELBOWS												RED. ELLS		TEES		CAPS		REDUCERS	
	90 DEG				45 DEG				RED. ELLS				TEES		CAPS		REDUCERS			
	L.R.	S.R.	3.R.	L.R.	S.R.	3.R.	SL9	SL4	SL4	SS4	SS4	SS4	SL9	STR.	RED.	SWC	CONC.	ECC.		
STD	XL9	XS9	XSR9	XL4	XS4	XSR4	XL9	XL4	XS4	XSR4	XL9	XL9	XT	XT	XWC	XC	XC	XE		
X5	XXL9	XXS9	XXSR9	XXL4	XXS4	XXSR4	XXL9	XXL4	XXS4	XXSR4	XXL9	XXL9	XXT	XXT	XXWC	XXC	XXC	XXE		
S/10	1L9	1S9	1SR9	1L4	1S4	1SR4	1L9	1L4	1S4	1SR4	1L9	1L9	1T	1T	1WC	1C	1C	1E		
S/20	2L9	2S9	2SR9	2L4	2S4	2SR4	2L9	2L4	2S4	2SR4	2L9	2L9	2T	2T	2WC	2C	2C	2E		
S/30	3L9	3S9	3SR9	3L4	3S4	3SR4	3L9	3L4	3S4	3SR4	3L9	3L9	3T	3T	3WC	3C	3C	3E		
S/40	4L9	4S9	4SR9	4L4	4S4	4SR4	4L9	4L4	4S4	4SR4	4L9	4L9	4T	4T	4WC	4C	4C	4E		
S/60	6L9	6S9	6SR9	6L4	6S4	6SR4	6L9	6L4	6S4	6SR4	6L9	6L9	6T	6T	6WC	6C	6C	6E		
S/80	8L9	8S9	8SR9	8L4	8S4	8SR4	8L9	8L4	8S4	8SR4	8L9	8L9	8T	8T	8WC	8C	8C	8E		
S/100	10L9	10S9	10SR9	10L4	10S4	10SR4	10L9	10L4	10S4	10SR4	10L9	10L9	10T	10T	10WC	10C	10C	10E		
S/120	12L9	12S9	12SR9	12L4	12S4	12SR4	12L9	12L4	12S4	12SR4	12L9	12L9	12T	12T	12WC	12C	12C	12E		
S/140	14L9	14S9	14SR9	14L4	14S4	14SR4	14L9	14L4	14S4	14SR4	14L9	14L9	14T	14T	14WC	14C	14C	14E		
S/160	16L9	16S9	16SR9	16L4	16S4	16SR4	16L9	16L4	16S4	16SR4	16L9	16L9	16T	16T	16WC	16C	16C	16E		

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 Boilers & Pressure Vessels
 Safety Program

Sizes- 16" to 48" diameter
 Cap, LR, Reducers, Tee and Red Tee

Size for 3R
 16" to 48"

ASTM A860

Adhear to A860 Table 1

SCH.	ELBOWS										TEES			REDUCERS		
	90 DEG					45 DEG					RED. ELLS		CAPS		REDUCERS	
	L.R.	S.R.	3.R.	L.R.	S.R.	3.R.	L.R.	S.R.	3.R.	RED.	STR.	RED.	CONC.	ECC.		
STD	S19	S59	S3R9	SL4	S54	S3R4	S19	S54	S3R4	S19	S54	S3R4	SWC	SC	SE	
XS	X19	X59	X3R9	X14	X54	X3R4	X19	X54	X3R4	X19	X54	X3R4	XWC	XC	XE	
XXS	XX19	XX59	XX3R9	XX14	XX54	XX3R4	XX19	XX54	XX3R4	XX19	XX54	XX3R4	XXWC	XXC	XXE	
S/10	119	159	13R9	114	154	13R4	119	154	13R4	119	154	13R4	1WC	1C	1E	
S/20	219	259	23R9	214	254	23R4	219	254	23R4	219	254	23R4	2WC	2C	2E	
S/30	319	359	33R9	314	354	33R4	319	354	33R4	319	354	33R4	3WC	3C	3E	
S/40	419	459	43R9	414	454	43R4	419	454	43R4	419	454	43R4	4WC	4C	4E	
S/60	619	659	62R9	614	654	63R4	619	654	63R4	619	654	63R4	6WC	6C	6E	
S/80	819	859	83R9	814	854	83R4	819	854	83R4	819	854	83R4	8WC	8C	8E	
S/100	1019	1059	103R9	1014	1054	103R4	1019	1054	103R4	1019	1054	103R4	10WC	10C	10E	
S/120	1219	1259	123R9	1214	1254	123R4	1219	1254	123R4	1219	1254	123R4	12WC	12C	12E	
S/140	1419	1459	143R9	1414	1454	143R4	1419	1454	143R4	1419	1454	143R4	14WC	14C	14E	
S/160	1619	1659	163R9	1614	1654	163R4	1619	1654	163R4	1619	1654	163R4	16WC	16C	16E	

Sizes- 16" to 48" diameter
Cap, LR, SR, Reducers, 3R, Tee and Red Tee

Materials per wphy 42-70

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CSA Z24511

Materials per CSA Z245.11 grade 241 through 483

SCH.	ELBOWS														TEES		CAPS		REDUCERS	
	90 DEG				45 DEG				RED. ELLS		STR.		RED.		CONC.		ECC.			
	L.R.	S.R.	3.R.	3.R.	L.R.	S.R.	3.R.	3.R.	SL9	SL9	5T	5T	5T	5T	SWC	SWC	SC	SE		
STD	SL9	SS9	S3R9	SL4	SL4	SS4	S3R4	SL9	SL9	5T	5T	5T	5T	SWC	SWC	SC	SE			
X5	XL9	XS9	X3R9	XL4	XL4	XS4	X3R4	XL9	XL9	XT	XT	XT	XT	XWC	XWC	XC	XE			
XX5	XXL9	XXS9	XX3R9	XXL4	XXL4	XXS4	XX3R4	XXL9	XXL9	XXT	XXT	XXT	XXT	XXWC	XXWC	XXC	XXE			
S/10	1L9	1S9	13R9	1L4	1L4	1S4	13R4	1L9	1L9	1T	1T	1T	1T	1WC	1WC	1C	1E			
S/20	2L9	2S9	23R9	2L4	2L4	2S4	23R4	2L9	2L9	2T	2T	2T	2T	2WC	2WC	2C	2E			
S/30	3L9	3S9	33R9	3L4	3L4	3S4	33R4	3L9	3L9	3T	3T	3T	3T	3WC	3WC	3C	3E			
S/40	4L9	4S9	43R9	4L4	4L4	4S4	43R4	4L9	4L9	4T	4T	4T	4T	4WC	4WC	4C	4E			
S/60	6L9	6S9	62R9	6L4	6L4	6S4	63R4	6L9	6L9	6T	6T	6T	6T	6WC	6WC	6C	6E			
S/80	8L9	8S9	83R9	8L4	8L4	8S4	83R4	8L9	8L9	8T	8T	8T	8T	8WC	8WC	8C	8E			
S/100	10L9	10S9	103R9	10L4	10L4	10S4	103R4	10L9	10L9	10T	10T	10T	10T	10WC	10WC	10C	10E			
S/120	12L9	12S9	123R9	12L4	12L4	12S4	123R4	12L9	12L9	12T	12T	12T	12T	12WC	12WC	12C	12E			
S/140	14L9	14S9	143R9	14L4	14L4	14S4	143R4	14L9	14L9	14T	14T	14T	14T	14WC	14WC	14C	14E			
S/160	16L9	16S9	163R9	16L4	16L4	16S4	163R4	16L9	16L9	16T	16T	16T	16T	16WC	16WC	16C	16E			

Size for 3R
16" to 48"

Size for SR
1" to 24"

Size- 1/2" to 48" diameter
Cap, LR, Reducers, Tee and Red Tee

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