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February 13, 2018

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2193002  
**Your Reference No.:** R-0768  
**Registered to:** FOSTER MANUFACTURING COMPANY INC

Dear SCOTT ISLIP,

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

**CRN No.:** OH20062.5  
**Main Design No.:** QUICK DETACHABLE COUPLINGS - SEE SCOPE OF CRN REGISTRATION (2PGS)  
**Expiry Date:** 13-Feb-2028

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](mailto: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,

Wendy Du, P.Eng.  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels Safety Program  
Tel.: 416-734-3566  
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**FOSTER MANUFACTURING COMPANY INC.**  
 2324 WEST BATTLEFIELD ROAD  
 SPRINGFIELD, MISSOURI  
 65807, USA



11-Feb-18

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**SCOPE OF CRN REGISTRATION**

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (°F)
					Brass (psig) (Note 1,2)	Steel (psig) (Note 1,2)	Stainless Steel (psig) (Note 1,2)	
Quick Detachable Couplings "One Way Shut-Off Series"	ZSI-Foster HP/15M/10.15 Pages 8 thru 21	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1" NPT	2 SERIES - 1/8"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4" SG	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				4 SERIES - 3/8"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				4 SERIES - 3/8" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				5 SERIES - 1/2"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				5 SERIES - 1/2" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
6 SERIES - 3/4" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20				

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (°F)
					Brass Socket w/ Brass Plug at (psig) (Note 1,2)	Brass Socket w/ Steel Plug at (psig) (Note 1,2)	S.Steel Socket w/ S.Steel Plug at (psig) (Note 1,2)	
Quick Detachable Couplings "FST Series"	ZSI-Foster HP/15M/10.15 Pages 40 thru 41	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1-1/2" NPT	1/8"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				1/4"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				3/8"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				1/2"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1219 psig at 400°F	1219 psig at 400°F		
				3/4"	1300 psig at 300°F	1300 psig at 300°F	2400 psig at 400°F	-20
					689 psig at 400°F	689 psig at 400°F		
				1"	1300 psig at 300°F	1300 psig at 300°F	1700 psig at 400°F	-20
					689 psig at 400°F	689 psig at 400°F		
				1-1/4"	1300 psig at 300°F	1300 psig at 300°F	N/A	-20
					689 psig at 400°F	689 psig at 400°F		
				1-1/2"	1300 psig at 300°F	1300 psig at 300°F	N/A	-20
					689 psig at 400°F	689 psig at 400°F		

**THIS IS PART OF**  
**CRN 0420062.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

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**SCOPE OF CRN REGISTRATION CONTINUED**

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (°F)
					Brass (psig) (Note 1,2)	Steel (psig) (Note 1,2)	Stainless Steel (psig) (Note 1,2)	
Quick Detachable Couplings "FHK Series"	ZSI-Foster HP/15M/10.15 Pages 43 thru 46	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1" NPT	1/8"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				1/4"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				3/8"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				1/2"	1700 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					901 psig at 400°F			
				3/4"	1700 psig at 300°F	2000 psig at 400°F	2000 psig at 400°F	-20
					901 psig at 400°F			
				1"	1500 psig at 300°F	2000 psig at 400°F	2000 psig at 400°F	-20
					795 psig at 400°F			

**Note 1:** In all cases the pressure-temperature ratings may be limited by the seat and seal materials. Consult literature.

**Note 2:** The following grades of material are covered by this CRN:

- Brass = ASTM B16-C36000 Brass
- Steel = ASTM A108 12L14 UNS G12144 Carbon Steel
- Stainless Steel or S.Steel = ASTM A582 UNS S30300 Stainless Steel

**Note 3:** In accordance with ASME B31.1 para 123.1.2(D) when this product is used under the ASME B31.1 code the owner must accept the use of the following non listed materials:

- Steel = ASTM A108 12L14 UNS G12144 Carbon Steel
- Stainless Steel or S.Steel = ASTM A582 UNS S30300 Stainless Steel

In all cases the above unlisted materials shall only be used for nonboiler external piping.

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