

November 06, 2024

**Attention:** Scott Islip  
ROUND ENGINEERING INC  
10 SEGWUN ROAD  
WATERDOWN, ON L8B 0K6

The design submission, Tracking Number 2024-05860, Web Portal Number 2024-S4214, originally received on October 01, 2024 was surveyed and accepted for registration as follows:

**CRN :** 0H24510.2 **Accepted on:** November 06, 2024  
**Reg Type:** NEW DESIGN **Expiry Date:** November 06, 2034  
**Drawing No. :** Report R-2058, Scope of CRN registration [dated 21-Oct-24] Rev 0 As Noted  
**Fitting type:** Safety Breakaway Couplings  
Design registered in the name of : ALPHA PROCESS CONTROLS

**The registration is conditional on your compliance with the following notes:**

- Acceptance is given based on the understanding [per email] that the materials are exempt from impact test as per ASME B31.3 Table A-1.

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (587) 943-8743 or fax (403) 291-4545 or e-mail [Rokanuzzaman@absa.ca](mailto:Rokanuzzaman@absa.ca).

Sincerely,



ROKANUZZAMAN, MOHAMMAD, P.  
Eng.  
DOP Cert. No. D00010592

November 06, 2024

**STATUTORY DECLARATION**  
**Registration of Fittings**  
Single or Multiple Fitting Designs within one Fitting Category

I, Ben Richardson, Director  
(name of applicant) (position title) (must be in a position of authority)  
of Alpha Process Controls International Ltd.  
(name of manufacturer)  
located at 1 Brindley Road, Peterlee, Co. Durham, SR8 2LT, United Kingdom  
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of \_\_\_\_\_ which specifies the dimensions,  
(title of recognized North American Standard)  
materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore  
manufactured to comply with ASME B31.3 as supported by the  
(title of code of construction or other applicable document)  
attached data which identifies the dimensions, materials of construction, pressure/temperature ratings  
and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

**Quality Program Verification and Manufacturing Sites**


A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Breakaway Couplings	ISO 9001:2015	Design and Manufacture	2027-05-17	<b>bsi.</b>	United Kingdom
2.						



In support of this application, the following information, calculations and/or test data are attached:

Report R-2058 Rev. 0, Scope of CRN Document dated September 19, 2024

  
\_\_\_\_\_  
(Signature of the Declarer)

24 SEPTEMBER 2024  
\_\_\_\_\_  
(Date)

DECLARED before me at STOCKTON - ON - TREES in the COUNTRY of ENGLAND, UNITED KINGDOM  
(city) (province, territory, or state)

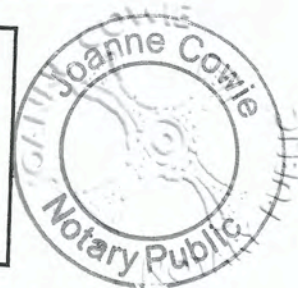
this 24<sup>th</sup> day of SEPTEMBER, 2024  
(Month) (Year)

(print) NOTARY PUBLIC - ENGLAND AND WALES  
(a Commissioner of Oaths or Notary Public)

(sign)   
(a Commissioner of Oaths or Notary Public)

MY COMMISSION DOES NOT HAVE AN EXPIRY DATE  
(expiry date (mm/dd/yy))

**JOANNE COWIE**  
NOTARY PUBLIC  
Dinsdale House  
Riverside Park Road  
Middlesbrough  
TS2 1UT  
Tel: +44 (0) 7776 264334  
jc@joannecowienotarypublic.co.uk



4137/2024

Commissioner of Oaths / Notary Public in and for: \_\_\_\_\_  
(province, territory, or state)  
ENGLAND AND WALES

**For ABSA Office Use Only:**

NOTES: \_\_\_\_\_

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_

CRN: \_\_\_\_\_

Registered Date: \_\_\_\_\_

Expiry Date: 2034-NOV-06

Signature: \_\_\_\_\_  
(Signature of the Administrator/SCO)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2024-05860

**ABSA**

SAFETY CODES ACT - PROVINCE OF ALBERTA

**ACCEPTED: CH2451Q 2**

**See acceptance letter for conditions of registration.**

Date: 2024-11-06 By: 

IOHAMMAD ROKANUZZAMAN, P. Eng.  
DOP: D00010592

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

**Table 1\*\* Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			

**Table 2 Additional Scope Information**

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example:
Series X Options

\*\* For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

**SCOPE OF CRN REGISTRATION**

<b>Product Description</b>	<b>Main Drawing</b>	<b>Design Code</b>	<b>Standard Material(s)</b>	<b>Design Report</b>
Safety Breakaway Couplings <b>Standard Variant</b>	AA9433 Rev. A	ASME B31.3	ASTM A351-CF8M Dual Certified to Stainless Steel 1.4408 in accordance with EN 10213, ASTM A182-F316L Dual Certified to Stainless Steel 1.4404 in accordance with EN 10272.	R-2058 Rev. 0
<b>Size Range</b>	<b>Process Connection</b>	<b>MAWP at MAWT (Note 1, 2)</b>		<b>MDMT</b>
		<b>(psig)</b>	<b>(Barg)</b>	
2", 2-1/2", 3"	ASME B16.5 CL150 RF	275 psig at 100°F 255 psig at 150°F 235 psig at 200°F 225 psig at 250°F	19.0 barg at 38°C 18.4 barg at 50°C 17.7 barg at 65°C 16.2 barg at 100°C 15.6 barg at 120°C	- 20°F / - 29°C
<b>Size Range</b>	<b>Process Connection</b>	<b>MAWP at MAWT (Note 1, 2)</b>		<b>MDMT</b>
		<b>(psig)</b>	<b>(Barg)</b>	
2", 2-1/2", 3"	ASME B16.5 CL300 RF	720 psig at 100°F 670 psig at 150°F 620 psig at 200°F 440 psig at 250°F	49.6 barg at 38°C 48.1 barg at 50°C 46.3 barg at 65°C 42.2 barg at 100°C 41.1 barg at 120°C	- 20°F / - 29°C

**SCOPE OF CRN REGISTRATION CONTINUED**

<b>Product Description</b>	<b>Main Drawing</b>	<b>Design Code</b>	<b>Standard Material(s)</b>	<b>Design Report</b>
Safety Breakaway Couplings <b>Cryogenic Variant</b>	AA9433 Rev. A	ASME B31.3	ASTM A351-CF8M Dual Certified to Stainless Steel 1.4408 in accordance with EN 10213, ASTM A182-F316L Dual Certified to Stainless Steel 1.4404 in accordance with EN 10272.	R-2058 Rev. 0
<b>Size Range</b>	<b>Process Connection</b>	<b>MAWP at MAWT (Note 1, 2)</b>		<b>MDMT</b>
		<b>(psig)</b>	<b>(Barg)</b>	
2", 2-1/2", 3"	ASME B16.5 CL150 RF	275 psig at 100°F 255 psig at 150°F	19.0 barg at 38°C 18.4 barg at 50°C 17.7 barg at 65°C	- 320°F / - 196°C
<b>Size Range</b>	<b>Process Connection</b>	<b>MAWP at MAWT (Note 1, 2)</b>		<b>MDMT</b>
		<b>(psig)</b>	<b>(Barg)</b>	
2", 2-1/2", 3"	ASME B16.5 CL300 RF	720 psig at 100°F 670 psig at 150°F	49.6 barg at 38°C 48.1 barg at 50°C 46.3 barg at 65°C	- 320°F / - 196°C





**SCOPE OF CRN REGISTRATION CONTINUED**

**Note 1:** MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design metal Temperature.

**Note 2:** The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP will be limited by the breakaway bolts which are configured for each application based on the pressure inside the coupling and the strength of the hose the coupling is connected to.



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act