



14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

March 27, 2014

CHRISTIAN BLATHERWICK  
ASHCROFT INC.  
250 E MAIN STREET  
STRATFORD CT 06614  
US

Service Request Type.: BPV-National AB  
Service Request No.: 1328400  
Your Reference No.: ISO-RING TYPE 80, TYPE 81  
Registered to.: ASHCROFT INC.

Dear CHRISTIAN BLATHERWICK,

Please find enclosed the original response from AB, registered under the CRN No.: 0F16596.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)

March 03, 2014

**Attention:** Tanya Francis  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
3300 BLOOR STREET WEST  
14 FLOOR CENTRE TOWER  
TORONTO, ON M8X 2X4

The design submission, tracking number 2014-00745, originally received on January 31, 2014 was surveyed and accepted for registration as follows:

**CRN :** 0F16596.52 **Accepted on:** March 03, 2014  
**Reg Type:** New Design **Expiry Date:** January 21, 2024  
**Drawing No. :** (SCOPE OF REGISTRATION) SOR-ISO01 Rev 0  
**Fitting type:** ISO-RING, TYPE 80 (WAFER) & TYPE 81 (BOLT THRU)  
Design registered in the name of : ASHCROFT INC

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

*TSSA SR# 1328400*

*This registration covers two locations: Stratford, USA and Sao Caetano Do Sul/SP, Brazil.*

*- This registration has been issued:*

- 1. Based on TSSA's review.*
- 2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Vessel Design Registration of August 1997.*

*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 form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency 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.

Enclosed are stamped prints for your reference.

Sincerely,



RADISAVLJEVIC, ZANA, R.E.T.



**STATUTORY DECLARATION  
Registration of Fittings**



I, Philip Reed,

Quality Assurance Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Ashcroft, Inc

(name of manufacturer)

located at 250 Main Street, Stratford, CT, USA

(plant address)

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

comply with the requirements of ASME B31.3 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 \_\_\_\_\_ as supported by the attached data which identifies the dimensions,

materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register Quality Assurance as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are F

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

ISO-RING, TYPE 80 (WAFER), TYPE 81 (BOLT THRU); scope of registration summary: SOR-ISO01-REV0

DECLARED before me at Stratford in the State of CT

this 8 day of January, 2014  
(Month) (Year)

(print) Olimpia M. De Crescenzo

(sign) (O.M. De Crescenzo)  
(A Commissioner for Oaths)

[Signature]  
(Signature of Applicant)

**For Office Use Only**

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

Registration Number: OF 16596.52

Jana P. ZANA HADISAVLJEVIC  
(For the Administrator/Chief Inspector of Alberta)

Date Registered: MAR 03 2014

Expiry Date: Jan 21 2024

**BUREAU VERITAS**  
Certification



## Certification

Awarded to

**0 F 1 6 5 9 6 . 5 2**

### **WILLY INSTRUMENTOS DE MEDIÇÃO E CONTROLE LTDA.**

RUA JOÃO PESSOA, 620, CENTRO, 09520-000 - SÃO CAETANO DO SUL/SP  
**BRAZIL**

**Bureau Veritas Certification certifies that the Management System of the above  
organization has been assessed and found to be in accordance  
with the requirements of the standard detailed below**

**STANDARD**

**ISO 9001:2008**

**SCOPE OF SUPPLY**

**THE DESIGN, MANUFACTURE, COMMERCIALIZATION AND SERVICING OF  
PRESSURE GAUGES, THERMOMETERS, PRESSURE AND TEMPERATURE  
SWITCHES, PRESSURE AND TEMPERATURE TRANSMITTERS, TEST  
EQUIPMENTS FOR PRESSURE AND TEMPERATURE, ACCESSORIES FOR ALL  
THESE INSTRUMENTS AND PRESSURE AND TEMPERATURE CONTROL SYSTEMS.**

*Original approval date: 06/04/1993*

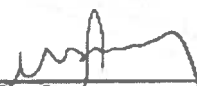
*Subject to the continued satisfactory operation of the organization's Management System,  
this certificate is valid until: 09/07/2014*

*Further clarification regarding the scope of this certificate and the applicability of the Management System  
requirements may be obtained by consulting the organization*

**Certificate Number: BR011333-2**

**Date: 08/24/2011**



  
Lucia Nunes Pereira - Technical Manager  
Managing and Issuing Office:



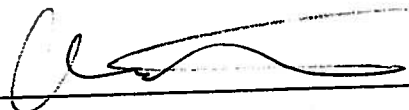
ASHCROFT Incorporated  
250 Main Street, Stratford, CT, 06614, USA

## SOR-ISO01-REV0 Ashcroft ISO-RING Type 80 (Wafer), Type 81 (Bolt Thru)

ISO-Ring Products	Materials of construction	Max. Pressure (psi)	Max. Temp. (°F)	Code of Construction
Type 80 (Wafer)	A 240, 316L UNS S31603	750	-20 to 750 [3]	ASME B31.3 - 2012
Type 81 Class 150 (Bolt thru)		290		
Type 81 Class 300 (Bolt Thru)	A 516 GRADE 70 UNS K02700	750		

1. Consult manufacturer before use
2. Consult catalogue for intermediate temperatures and pressures and other options
3. A240 316L UNS S31603 permissible lower temperature -70 °F.
4. Based upon ISO01-REV0 code calculations.

Approved by: Chris Blatherwick

Signed: 

Date: 12/10/13

**ASCA**

SAFETY CODES ACT - PROVINCE OF ALBERTA

**REGISTRATION OF FITTINGS**

REGISTRATION NO. OF 16596.52

DWG. NO or CAT NO. (scope) SOR-ISO01 Rev 0

TYPE OF FITTINGS ISO-Ring Type 80 & 81

MAR 03 2014  
Date

INITIALS J. R. P.  
ZANA RADISAVLJEVIC, P.Eng.  
DESIGN SURVEY





**STATUTORY DECLARATION  
Registration of Fittings**



I, Philip Reed,

Quality Assurance Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Willy Instrumentos De Medicao E Controle LTDA  
(name of manufacturer)

located at Rua Joao Pessoa, 620, Centro, 09520-000 - Sao Caetano Do Sul/SP, Brazil  
(plant address)

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

- comply with the requirements of ASME B31.3 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 \_\_\_\_\_ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Bureau Veritas as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are F

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

ISO-RING, Type 80 (WAFER), TYPE 81 (BOLT THRU); scope of registration summary SOR-ISO01-REV0

DECLARED before me at Stratford in the State of CT  
this 8 day of January, 2014.  
(print) Olimpia Decresceno (Signature of Applicant)  
(sign) [Signature]  
(A Commissioner for Oaths)

**For Office Use Only**

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

Registration Number: OF 16596.52 Jana P. ZANA HALISAVLJEVIC  
(For the Administrator/Chief Inspector of Alberta)

Date Registered: MAR 03 2014 Expiry Date: Jan 21 2024

## CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**Ashcroft, Inc.**  
**250 East Main Street**  
**Stratford, Connecticut 06614, USA**

has been approved by Lloyd's Register Quality Assurance  
to the following Quality Management System Standards:

**ISO 9001:2008**

The Quality Management System is applicable to:

**Design and Manufacture of Pressure and Temperature  
Calibration Equipment. Distribution of Pressure and  
Temperature Control Equipment Sourced Globally.**

Approval  
Certificate No: UQA 0100118

Original Approval: January 11, 1994

Current Certificate: February 1, 2012

Certificate Expiry: January 31, 2015



Issued by: Lloyd's Register Quality Assurance, Inc.

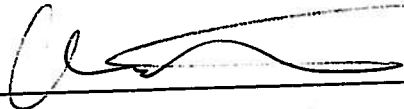


## SOR-ISO01-REV0 Ashcroft ISO-RING Type 80 (Wafer), Type 81 (Bolt Thru)

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Type 81 Class 300 (Bolt Thru)	A 516 GRADE 70 UNS K02700	750		

1. Consult manufacturer before use
2. Consult catalogue for intermediate temperatures and pressures and other options
3. A240 316L UNS S31603 permissible lower temperature -70 °F.
4. Based upon ISO01-REV0 code calculations.

Approved by: Chris Blatherwick

Signed: 

Date: 12/10/13

<b>ARSA</b>	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	<u>OP 16596.52</u>
DWG. NO or CAT NO.	<u>(SOPE) SOR-ISO01 Rev. 0</u>
TYPE OF FITTINGS	<u>ISO-RING TYPE BO-81</u>
DATE	<u>MAR 03 2014</u>
INITIALS	<u>Z. R.</u>
ZANA RADISAVLJEVIC, P.E.T DESIGN SURVEY	