



To:	TSSA	From:	Janet Townsend
Company:	Parker Hannifin Corporation, Instrumentation Product Division	Phone:	416-747-4291
Pages:	10	Location:	Toronto
Our File:	ANR-4677	Date:	October 17, 2017

Your File: 2134444

**Subject: Request for Design Registration**

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Parker Hannifin Corporation, Instrumentation Product Division.

These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0A11716.56R2.

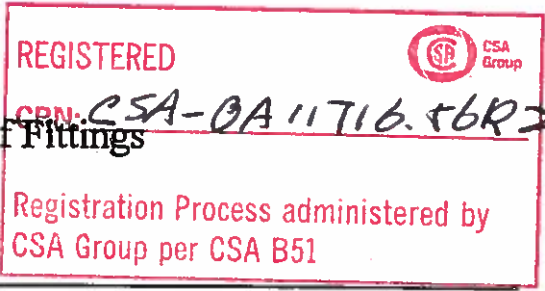
A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

**Janet Townsend**  
Program Manager  
CSA Group

178 Rexdale Blvd.  
Toronto, ON, M9W 1R3  
Canada  
[www.csagroup.org](http://www.csagroup.org)



Statutory Declaration Registration of Fittings

(a) Design Qualification

I, TONY WYSZKOWSKI GENERAL MANAGER (Position eg, president, plant manager, chief eng.)

of PARKER HANNIFIN CORPORATION INSTRUMENTATION PRODUCTS DIVISION (name of company)

Located at 1005 A Cleonee Way, Huntsville Alabama USA 35895 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

[ ] comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or [X] are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with ASME B31.3 code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001, and has been verified by the following authority or authorized agency DNV-GL

The fittings covered by this declaration, for which I seek registration, are CATEGORY A FITTINGS

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

SCOPE OF REGISTRATION RENEWAL 0A11716.5 DESIGN REP DET, CATALOG 4234 APRIL-2015

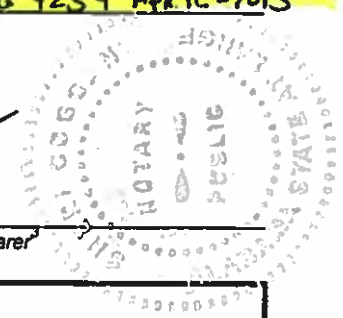
Declared before me at HUNTSVILLE

In the of STATE of ALABAMA

The 17th Day of May AD 19 2017

Shari Cooper A (commissioner for oaths)

Signature of Declarer



For Official Use Only

The application is accepted for registration in Category A in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Expiry date: JULY 24, 2027

Registered Number CRN CSA-0A11716.56R2



For the Chief Inspector A. BANWATT

Date SEPTEMBER 18, 2017

- 1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
2 All fittings are required to be registered in the name of the Manufacturer.
3 This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.





345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: 416 734 3300  
Fax: 416 231 1626  
Toll Free: 1 877 682.8772

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

July 24, 2017

SUSAN TURNER  
PARKER HANNIFIN INSTRUMENTATION GROUP CANADA  
4635 DURHAM RD S  
GRIMSBY ON L3M 4G4  
CA

Service Request Type: BPV-Fitting Registration  
Service Request No.: 2105686  
Your Reference No.: MPI RENEWAL  
Registered to: PARKER HANNIFIN - INSTRUMENTATION PRODUCTS DIVISION

Dear SUSAN TURNER,

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

**CRN No.:** 0A11716.5R2  
**Main Design No.:** Catalog 4234 (April 2015) Pages 13 through 32 - see the attachment to the Statutory Declaration Form for the scope of registration  
**Expiry Date:** 24-Jul-2027

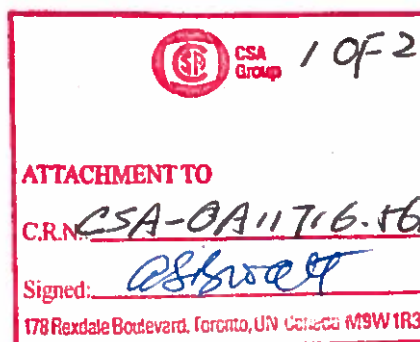
Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

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,



Mark Valcic P. Eng.  
Engineer Specialist BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)





Parker Hannifin Corporation  
 Instrumentation Products Division  
 1005 A Cleaner Way  
 Huntsville, AL 35805  
 Office 256-881-2040  
 Fax 256-881-5072

**THIS IS PART OF**  
**CRN 0A11716.5R2**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

*W. White July 24/17*

April 10, 2017

**SCOPE OF REGISTRATION RENEWAL 0A11716.5**

The scope of this registration renewal are the fittings, Size 4, 6, 8, and 9, listed on pages 13 through 32 of Catalog 4234, Medium Pressure Products, dated April 2015. These are the same fittings as were covered by the existing registration. The design of these fittings has not changed since the original registration. A change was made to previous catalog offerings to add an additional material, as described below. This addition was processed as an addendum to the previous registration 0A11716.5ADD1 and is recreated below for inclusion in this renewal.

Super Duplex 2507 (UNS 32750) stainless steel has been added to the possible materials of construction for the MPI line of fittings (Sizes 4, 6, 8, & 9). The existing registration for the MPI line of fittings is based on calculations and supplemental burst tests using Type 316 stainless steel materials as listed in the existing registration (shown below):

Spec	Material Designation	Hex	Tensile	Yield	Stress
SS-60	ASME-SA-479, Type 316	1 1/4"	100Ksi	80Ksi	33.3Ksi
SS-85	ASME-SA-479, Type 316/316L	1 1/4"	100Ksi	80Ksi	33.3Ksi
SS-63	ASTM-A-276, Type 316	1 3/4" (1)	125Ksi	105Ksi	41.6Ksi
SS-91	ASME-SA-213 & 269, Type 316	1" (2)	105Ksi	70Ksi	35.0Ksi

- (1) rectangular bar stock
- (2) 1/8 hard tubing

The additional new material is:

Spec	Material Designation	Hex	Tensile	Yield	Stress
SS-15	ASTM-A-479, UNS 32750	1 1/4"	116Ksi	80Ksi	38.7Ksi
SS-15	ASTM-A-479, UNS 32750	1 3/4" (1)	116Ksi	80Ksi	38.7Ksi

- (1) rectangular bar stock

Parts made from this alternate material would have no changes to the form, fit, function, configuration or dimensions from those used in parts made from the Type 316 stainless steel listed in the original registration. The calculations in the original registration were based on the lowest allowable stress for the material listed in catalog as shown above. The allowable stress for the alternate material is greater than the lowest used in all the calculations in the original registration.

**ATTACHMENT TO**  
**C.R.N. CSA-0A11716.5R2**

Signed: *[Signature]*  
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R7  
 CSA Group

*Fredrick Roy*  
 Fredrick Roy, P.E.

*April 10, 2017*  
 Date

Project Engineer - Quality  
 Certifications, Registrations  
 and Nuclear Products