



TECHNICAL STANDARDS & SAFETY AUTHORITY  
14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

and / or **SHURJOINT**

**Grinnell**

A True International Company

### STATUTORY DECLARATION Registration of Fittings

I, WANG, HUI-PING, Manager  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Shurjoint Metals Inc.  
(Name of Manufacturer)

Located at No. 295 No. Sec. 3 Wanda Road, Wanda Hsiang, Pingtung Hsien, Taiwan  
(Plant Address)      886-8-752-5877      886-8-753-0227  
(Telephone No.)      (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

(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 ASME B31.3 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, Lloyd's Register Quality Control Certificate #TWN0955771.

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:

1. Renew DA1021.9C and add the Grinnell trademark and additions
  2. See attachment 1, drawings & proof test records.
- (drawings, calculations, test reports, etc.)

Declared before me at Taipei in the Republic of China  
the JAN 26 2011 day of AD. 20

Commissioner for Oaths:  
Chou, Chia-Yin  
**Notary Public**  
(Printed name)  
Chou, Chia-Yin  
(Signature)

**CHOU, CHIA-YIN**  
**NOTARY PUBLIC**  
The Equidad Notary Public Office  
of Taiwan Taipei District Court, R.O.C.  
6F No. 6, Siang-Yang Road, Chung-Cheng  
District, Taipei City 100, Taiwan

Case No. — 00 年度

Agwan (Signature of Declarant)      北院民高安字 200163

**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: DA1021.95R3

Registered by: MARK VALCIC, P. Eng

Date: FEB 28, 2011

NOTE: This registration expires on FEB 08, 2021

Technical Standards and Safety Authority      Boilers and Pressure Vessels Safety Program

**REGISTERED**

C.R.N.: DA1021.95R3

Signed: W. Valcic

Date: FEB 28, 2011

Attachment #1

Shurjoint Grooved Components are to be registered (Category A: Couplings & Fittings).

| Model Number                                 | Size Range (inch)   | Rated Pressure (psi) | Service Temperature                        | Drawings   |
|--|---|----------------------|--|--|
| G28<br>Hinged Lever<br>Coupling              | 1½", 2", 2½", 3", 4", 5", 6", 8", 10"   | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-G28<br>178a<br>178b<br>G15a<br>G15b                     |
| 7181<br>Universal Reducing<br>Flange Adapter | 3 "x2", 4"x2½", 4"x3", 6"x4"  | 125                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 1AG  |
| 7118<br>90° Adapter<br>Elbow                 | 1½", 2", 2½", 3",   | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 1AC  |
|  | 4"  | 175                  |  |  |
| 7110-B<br>90o Elbow with<br>Base Support     | 3", 4", 6"  | 175                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 1AM  |
| 7160T<br>Transition Fitting<br>(Gr. X Ft)    | 2"x1", 2"x1¼", 2½"x1", 2½"x1¼",<br>2½"x1½", 3"x1", 3"x1¼", 3"x1½",<br>3 "x2", 4"x1", 4"x1¼", 4"x1½",<br>4 "x2", 5"x1", 5"x2", 6"x1", 6 "x1¼",<br>6 "x1½", 6"x2", 8"x1", 8 "x1½", 8"x2"  | 175                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 160a   |
| 7110DR<br>Drain Elbow                        | 2", 2½", 3", 4",<br>6", 8"  | 175                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | ASDa   |
| 7150F<br>Reducing Socket<br>(Gr. X Ft)       | 1½"x1", 2"x1", 2"x1¼", 2"x1½",<br>2½"x1", 2½"x1¼", 2½"x1½", 2½"x2",<br>3"x1", 3"x1¼", 3"x1½",<br>3 "x2", 3"x2½", 4"x1¼", 4"x1½",<br>4 "x2", 4"x2½", 5"x1½",<br>6"x1½", 6"x2", 6"x2½", 6"x4"   | 175                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 154  |
| 7150M<br>Reducing Nipple<br>(Gr. X Mt)       | 1½"x1", 2"x1", 2"x1¼", 2"x1½",<br>2½"x1", 2½"x1¼", 2½"x1½", 2½"x2",<br>3"x1", 3"x1¼", 3"x1½", 3 "x2", 3"x2½",<br>4"x1½", 4 "x2", 4"x2½",<br>4 "x3", 5"x1½",<br>6"x1½", 6"x2", 6"x2½", 6"x4",  | 175                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 152  |
| 79<br>Wildcat<br>Coupling                    | 2", 2½", 3"   | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-79<br>H179a<br>H179b<br>179c<br>G515<br>G115b<br>7705TB |
|  | 4"  | 150                  |  |  |
|  | 5", 8", 14"   | 75                   |  |  |
|  | 6"  | 100                  |  |  |
|  | 12"   | 40                   |  |  |
| 723<br>Saddle-Let                            | 1½"x½", 1¼"x¾", 1¼"x1",<br>1½"x½", 1½"x¾", 1½"x1",<br>2"x½", 2"x¾", 2"x1",<br>2½"x½", 2½"x¾", 2½"x1"  | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-723<br>H133<br>G133<br>723UB                            |
|  | 2"x½", 2"x¾", 2"x1", 2"x1¼", 2"x1½",<br>2½"x½", 2½"x¾", 2½"x1",<br>2½"x1¼", 2½"x1½", 3"x½", 3"x¾", 3"x1",<br>3"x1¼", 3"x1½",<br>3 "x2", 4"x½", 4"x¾", 4"x1", 4"x1¼",<br>4"x1½", 4 "x2", 4"x2½", 5"x2", 5"x2½",<br>5"x3", 6"x1¼", 6"x1½", 6"x2", 6"x2½",<br>4 "x3", 6"x3", 6"x4" | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-M21<br>H1B4U<br>H1B4L<br>G11<br>G1B4<br>7705TB          |
|  | 4 "x3", 6"x3", 6"x4"  | 100                  |  |  |

| Model Number                             | Size Range<br>(inch)   | Rated<br>Pressure<br>(psi) | Service<br>Temperature                     | Drawings  |
|--|--|----------------------------|--|---|
| M22<br>Mechanical Tee,<br>Grooved Outlet | 2"x1", 2"x1¼", 2"x1½",<br>2½"x1", 2½"x1¼", 2½"x1½",<br>3"x1", 3"x1¼", 3"x1½", 3 "x2",<br>4"x1", 4"x1¼", 4"x1½", 4 "x2", 4"x2½",<br>5"x2", 5"x2½", 5"x3",<br>6"x1¼", 6"x1½", 6"x2", 6"x2½",<br>4 "x3", 6"x3", 6"x4"   | 200                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-M22<br>H1B5U<br>H1B4L<br>G11<br>G1B4<br>7705TB |
|  |  | 100                        |  |   |
| 811<br>90° Elbow                         | ½", ¾", 1", 1¼",<br>1½", 2", 2½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S811001   |
| 812<br>Reducing<br>90° Elbow             | ¾"x ½",<br>1"x½", 1"x1¼", 1¼"x½", 1¼"x¾",<br>1¼"x1", 1½"x½", 1½"x¾", 1½"x1",<br>1½"x1¼", 2"x¾", 2"x1", 2"x1½",<br>2½"x2"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S812001   |
| 813<br>45o Elbow                         | ½", ¾", 1", 1¼",<br>1½", 2", 2½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S813001   |
| 814<br>Tee                               | ½", ¾", 1", 1¼",<br>1½", 2", 2½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S814001   |
| 815<br>Reducing<br>Tee                   | ¾"x¾"x½",<br>1"x½"x1", 1"x¾"x½", 1"x¾"x¾",<br>1"x¾"x1", 1"x1"x½", 1"x1"x¾",<br>1¼"x1"x½", 1¼"x1"x¾", 1¼"x1"x1",<br>1¼"x1"x1¼", 1¼"x1¼"x½",<br>1¼"x1¼"x¾",<br>1¼"x1¼"x1",<br>1½"x1"x½", 1½"x1"x¾", 1½"x1"x1",<br>1½"x1"x1½", 1½"x1¼"x½",<br>1½"x1¼"x¾",<br>1½"x1¼"x1", 1½"x1½"x½",<br>1½"x1½"x¾",<br>1½"x1½"x1", 1½"x1½"x1¼",<br>2"x1"x2", 2"x1½"x2", 2"x1¼"x2",<br>2"x1½"x½", 2"x1½"x¾", 2"x1½"x1",<br>2"x1½"x1½", 2"x1½"x2",<br>2"x2"x½", 2"x2"x¾", 2"x2"x1",<br>2"x2"x1¼", 2"x2"x1½",<br>2½"x2"x¾" | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S815001<br>S815002<br>S815003                     |
| 815<br>Bullhead<br>Tee                   | ¾"x¾"x½",<br>1"x1"1¼"x, 1"x1"x1½",<br>1¼"x1"x1½", 1¼"x1¼"x1½", 1¼"x1¼"x2",<br>1½"x1¼"x2", 1½"x1½"x2",<br>2"x2"x2½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S815001<br>S815002<br>S815003                     |
| 816<br>Reducing<br>Coupling              | ¾"x½", 1"x½", 1"x¾",<br>1¼"x¾", 1¼"x1"<br>1½"x1", 1½"x1¼",<br>2"x1", 2"x1¼", 2"x1½", 2½"x2"  | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S816001   |
| 817<br>Cross                             | ½", ¾", 1",<br>1¼", 1½", 2"  | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S817001   |
| 817<br>Reducing Cross                    | 1¼"x1¼"x1"x1",<br>1½"x1½"x1"x1", 2"x2"x1"x1"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S817002   |
| 818<br>Straight Coupling                 | ½", ¾", 1", 1¼",<br>1½", 2", 2½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S818001   |


| Model Number                                    | Size Range<br>(inch)   | Rated<br>Pressure<br>(psi) | Service<br>Temperature                     | Drawings                              |
|---|--|----------------------------|--|---------------------------------------|
| 819<br>Plug                                     | ½", ¾", 1", 1¼",<br>1½", 2"  | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S819001                               |
| 820<br>Cap                                      | ½", ¾", 1", 1¼", 1½", 2", 2½"  | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S820001                               |
| 825<br>Extension<br>Piece                       | ½"x1½"L, ½"x2"L,<br>¾"x1½"L, ¾"x2"L  | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S825001                               |
| 827<br>Hex<br>Bushing                           | 1"x½", 1"x¾", 1¼"x1",<br>1½"x1", 1½"x1¼",<br>2"x1", 2"x1¼", 2"x1½"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S827001                               |
| 830<br>Brass Seat<br>Union                      | ½", ¾", 1", 1¼", 1½", 2"   | 175                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S830001                               |
| 831<br>Long Street<br>90° Elbow                 | 1"x½"M, 1"x1"M   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S198                                  |
| 832<br>Long Street<br>Tee                       | 1"x½"x1"M, 1"x1"x1"M   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | S179                                  |
| C-7<br>Outlet<br>Coupling                       | 1½"x½"(F), 1½"x¾"(F), 1½"x1"(F),<br>2"x½"(F), 2"x¾"(F),<br>2"x1"(F), 2"x1"(G), 2"x1"(M),<br>2½"x½"(F), 2½"x¾"(F), 2½"x1"(F),<br>2½"x1¼"(M), 2½"x1¼"(G),<br>2½"x1½"(M), 2½"x1½"(G),<br>3"x¾"(F), 3"x1"(F), 3"x1"(M),<br>3"x1"(G), 3"x1½"(G), 3"x1½"(M),<br>4"x¾"(F), 4"x1"(F),<br>4"x1½"(F), 4"x1½"(M), 4"x1½"(G),<br>4"x2"(G), 4"x2"(M),<br>6"x1(F), 6"x1½(F), 6"x1½(M), 6"x1½(G),<br>6"x2(M), 6"x2(G)<br>* F= Female Threaded<br>* M= Male Threaded<br>* G= Grooved | 200                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-C7<br>37U<br>137L<br>G37<br>7705TB |
| SS-1200<br>Stainless Steel<br>Flexible Coupling | 1¼", 1½", 2", 3"   | 300                        | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-SS1200<br>H1ST<br>G1AR<br>STB      |
|   | 4"   | 200                        |  |                                       |

GRINNELL Grooved Components are to be registered (Category A: Couplings & Fittings).

| Model Number                | Size Range (inch)   | Rated Pressure (psi) | Service Temperature                        | Drawings                               |
|-----------------------------|---|----------------------|--|--|
| 780<br>Snap Coupling        | 1½", 2", 2½", 3", 4",<br>5", 6", 8", 10"  | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-G28<br>178a<br>178b<br>G15a<br>G15b |
| 705<br>Flexible<br>Coupling | 1" through 6"   | 300                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | 7705TB<br>H105<br>G15a<br>AS-7705B     |
|                             | 8" through 12"  | 250                  |  |  |
| 702<br>Outlet Coupling      | 1½"x1½"(F), 1½"x¾"(F), 1½"x1"(F),<br>2"x1½"(F), 2"x¾"(F),<br>2"x1"(F), 2"x1"(G), 2"x1"(M),<br>2½"x1½"(F), 2½"x¾"(F), 2½"x1"(F),<br>2½"x1¼"(M), 2½"x1¼"(G),<br>2½"x1½"(M), 2½"x1½"(G),<br>3"x¾"(F), 3"x1"(F), 3"x1"(M),<br>3"x1"(G), 3"x1½"(G), 3"x1½"(M),<br>4"x¾"(F), 4"x1"(F),<br>4"x1½"(F), 4"x1½"(M), 4"x1½"(G),<br>4"x2"(G), 4"x2"(M),<br>6"x1(F), 6"x1½(F), 6"x1½(M), 6"x1½(G),<br>6"x2(M), 6"x2(G)<br>* F= Female Threaded<br>* M= Male Threaded<br>* G= Grooved | 200                  | EPDM:<br>-20°F ~ +180°F<br>(-29°C ~ +82°C) | AS-C7<br>37U<br>137L<br>G37<br>7705TB  |

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK      NOVA SCOTIA      PRINCE EDWARD ISLAND      NEWFOUNDLAND AND LABRADOR  
 NUNAVUT      YUKON      NORTHWEST TERRITORIES

|   |  |
|---|--|
| MANUFACTURERS NAME: <u>Shurjoint Metals Inc.</u>  |  |
| MANUFACTURERS ADDRESS: <u>489 Wan Tan Road, Wantan, Pingtung Hsiang, Taiwan</u>   |  |
| PLANT LOCATIONS: <u>Same as above</u>   |  |
| <b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b>  |  |
| A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers<br>B Flanges: all flanges<br>C Valves: all line valves<br>D Expansion joints, flexible connections, and hose assemblies: all types<br>E Strainers, filters, separators, and steam traps<br>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters<br>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs<br>H Pressure retaining components that do not fall into one of the above categories<br>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting AECS or ASME requirements) | TITLE OF THE STANDARD OF CONSTRUCTION<br><br>CSA and UL type gasketed ductile iron grooved pipe fittings supported by proof test.<br><br>Material specification;<br>A536 grade 65-45-12. |
| SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  |  |
|  and/or SHURJOINT  |  |
| TYPE OF CONSTRUCTION<br>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/><br>CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/><br>DESCRIBE OTHER:  |  |
| LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:   |  |
| Lloyds Registry Quality control certificate # 955771<br>ABS Consulting proof test report # 05-002-TA and certificates for each item tested.<br>Items to be registered; Model 7151 concentric reducer. Models Z05 & Z07 angle pad rigid couplings.<br>Drawings; ARDa, H1Z5, H1Z7, G15a & 7705TB.   |  |

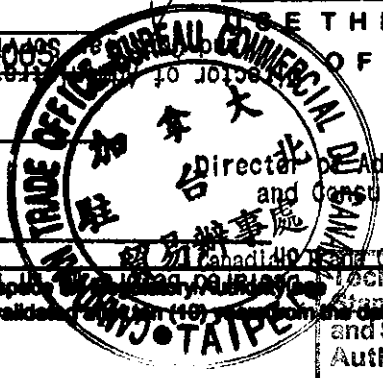
**DECLARATION:**

I, Amy Wang (see note 3) employed by Shurjoint Metals Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Lloyds Registry as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: *Amy Wang* Declared before me in Taipei  
 Declared before me at Taipei on the 29th day of April AD 2005

Use THIS SPACE FOR THE OFFICIAL SEAL

Commissioner of Oaths or Notary Public: (sign) *Luce Dore*  
 Director of Administration and Consular Services  
 Trade Office in Taipei



|  |   |
|--|---|
| CRN: _____<br>FID#: _____<br><br>Notes:<br>1. All fittings shall be registered in the name of the Manufacturer.<br>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.<br>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.<br>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. | This registration must be revalidated every five (5) years on the date of acceptance.<br>Boilers and Pressure Vessels Safety Program<br><br><b>REGISTERED</b><br>CRN: <u>0A1021.95ADD1</u><br>Signed: <u><i>M. Soethl</i></u><br>Date: <u>July 6/05</u> |
|--|---|

**CRN Registration**

**March 5, 2005**

| Model Number                    | Size Range  | Pressure Rating            | Service Temperature                        | Drawing and Revision                     |
|---------------------------------|---|----------------------------|--|--|
| 7151<br>Concentric Reducer      | 2-1/2 x 2, 3 x 2, 3 x 2-1/2,<br>4 x 2, 4 x 2-1/2, 4 x 3, 5 x 4,<br>6 x 2, 6 x 3, 6 x 4, 6 x 5, 8 x 6,<br>10 x 4, 10 x 6, 12 x 6, 12 x 8,<br>12 x 10 | 300 psi<br>(20 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) | #ARDa Rev. 3                             |
| Z05<br>Angle Pad Rigid Coupling | 1-1/4", 1-1/2", 2", 2-1/2", 3", 4",<br>5"   | 300 psi<br>(20 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) | #H1Z5<br>#G15a Rev. 21<br>#7705TB Rev.15 |
|                                 | 6", 8"  | 250 psi<br>(17bar)<br>CWP  | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) |  |
| Z07<br>Angle Pad Rigid Coupling | 1-1/4", 1-1/2", 2", 2-1/2", 3", 4",<br>5",  | 400 psi<br>(28 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) | #H1Z7<br>#G15a Rev. 21<br>#7705TB Rev.15 |
|                                 | 6", 8"  | 350 psi<br>(24 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) |  |
|                                 | 10", 12"  | 300 psi<br>(20 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) |  |
|                                 |   | 250 psi<br>(17 bar)<br>CWP | EPDM:<br>-20°F + +180°F<br>(-29°C ~ +82°C) |  |

0A1021.92

JUN 15 2005


**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

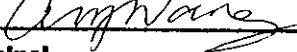
PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

|  |   |
|--|---|
| MANUFACTURERS NAME: <u>Shurjoint Metals Inc.</u>   |   |
| MANUFACTURERS ADDRESS: <u>489 Wan Tan Road, Wantan, Pingtung Hsiang, Taiwan</u>  |   |
| PLANT LOCATIONS: <u>Same as above</u>  |   |
| <b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b><br><input checked="" type="checkbox"/> <b>A</b> Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers<br><input type="checkbox"/> <b>B</b> Flanges: all flanges<br><input type="checkbox"/> <b>C</b> Valves: all line valves<br><input type="checkbox"/> <b>D</b> Expansion joints, flexible connections, and hose assemblies: all types<br><input type="checkbox"/> <b>E</b> Strainers, filters, separators, and steam traps<br><input type="checkbox"/> <b>F</b> Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters<br><input type="checkbox"/> <b>G</b> Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs<br><input type="checkbox"/> <b>H</b> Pressure retaining components that do not fall into one of the above categories<br><input type="checkbox"/> <b>N</b> Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting AECB or ASME requirements) | <b>TITLE OF THE STANDARD OF CONSTRUCTION</b><br><br>CSA and UL type gasketed ductile iron grooved pipe fittings supported by proof test.<br><br>Material specification;<br>A536 grade 65-45-12. |
| <b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b>  |   |
|  and/or SHURJOINT   |   |
| <b>TYPE OF CONSTRUCTION</b><br>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/><br>CAST <input type="checkbox"/> OR OTHER <input type="checkbox"/><br>DESCRIBE OTHER:  |   |
| <b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b><br>Lloyd's Register Quality Assurance Certificate #955774<br>ABS Consulting proof test report #05-034-TA and certificate for each item tested.<br>Item to be registered: Model #7705 Flexible Coupling<br>Drawing: H105, G15a, 7705TB   |   |

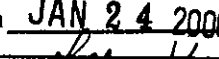
**DECLARATION:**

I, Amy Wang (see note 3) employed by Shurjoint Metals Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Lloyd's Register as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

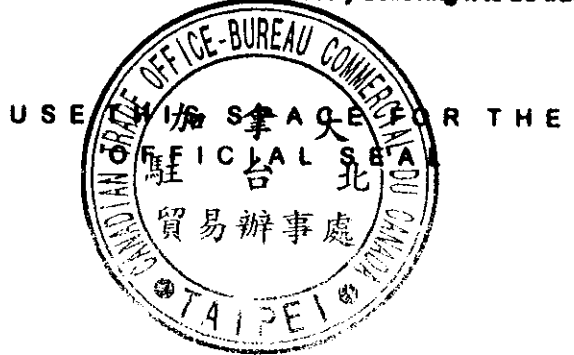
Declared before me at Taipei

This 24th day of January AD 2006

Commissioner of Oaths or Notary Public: (sign) 

(Affix Official seal to this field)

Name: Holly Kwan  
 Position: Deputy Director  
Administration and Consular Services  
Canadian Trade Office in Taipei



|   |   |
|---|---|
| CRN: <u>DA1021.95ADD2</u><br>FID#: _____<br><br>Notes:<br>1. All fittings shall be registered in the name of the Manufacturer.<br>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.<br>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.<br>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. | This registration must be revalidated after ten (10) years from the date of acceptance.<br><br>- EXPIRY DATE: APR 16, 2014<br>- THIS REGISTRATION IS TO ADD MODEL #7705.<br><br><b>REGISTERED</b><br>CRN: <u>DA1021.95ADD2</u><br>Signed: <u>S. Lem</u><br>Date: <u>MAY 8, 2006</u> |
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Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety Program



ATTACHMENT 1 -----GROOVED COMPONENTS TO BE REGISTERED

| ITEM:          | MODEL:                    | DWG #:                                   | Proof test record#:         | Qualified size & pressure & temp:   |
|----------------|---------------------------|--|-----------------------------|---|
| Coupling       | 7771                      | H108a                                    | #2, #3, #4, #10.            | 1.5" to 8" - 300 psig @ 180F  |
| Coupling       | 7771                      | H108a                                    | #9.                         | 10" and 12" - 175 psig@180F   |
| Coupling       | XH-70                     | 1X7                                      | #14, #15, #16.              | 2" to 12" - 500 psig@ 180F  |
| Coupling       | 7707                      | C7707AB, 7707-01                         | #12, #13, #14, #15.<br>#11  | 0.75" to 6" - 500 psig @ 180F<br>over 6" to 12" - 300 psig @ 180F   |
| Red. Coup.     | 7706                      | C7706-01, CS7706-01,                     | same thickness as 7771      | 2"x1.5" to 8"x6" - 300 psig@ 180F   |
| Laterals       | 7130                      | 7130-01                                  | #2, #4.                     | 2" and 6" only -300 psig@ 180F  |
| Mechanical Tee | 7721, 7722                | C720UA-1, C722UA-1<br>C720LA-01, 7721-01 | #2, #10, #20                | 2" to 8" -300 psig@180F   |
| Reducers       | 7150                      | 150A-01                                  | #2, #4, #11                 | 2.5"x2" to 12"x10" - 300 psig@180F  |
| Elbows         | 7110, (7111, 7112, 7113.) | 110A-01,(111A-01, 112, 113)              | #1, #4, #11.                | 1" to 12" - 300 psig@180F<br>( Bracketed items are 45, 22.5 and 11.25 degree elbows of same size & thickness) |
| SR Elbow       | 901                       | 901-01                                   | same thickness as 7110      | 2" to 8" - 300 psig@180F  |
| Tees           | 7120, 7121                | 120A-01, 121B-01.                        | #1, #4, #11,                | 1" to 12" - 300 psig@180F   |
| SR Tee         | 903                       | 903-01                                   | same thickness as 7120      | 2" to 8" - 300 psig@180F  |
| Caps           | 7160                      | 7160-01                                  | #1, #2, #4,                 | 1" to 6" - 300 psig@180F  |
| Caps           | 7120                      | 7160H-01                                 | #11.                        | 10" to 12" - 300 psig@180F  |
| Cross          | 7135                      | 135B-01, ASDb                            | #2, #10, #19.               | 2" to 8" - 300 psig@180F  |
| Nipples        | 57, (58, 59)              | 157, (158, 159)                          | #2, #4, #11                 | 2" to 12" - 300 psig@180F   |
| End            | 899                       | END-TO1                                  | same thickness as ells 7110 | 1.5" to 2.5" - 300 sig @ 180F   |
| Bolts /nuts    |                           | BN-01                                    |                             |   |

ATTACHMENT 2 -----GROOVED AND FLANGED COMPONENTS TO BE REGISTERED

| ITEM:          | MODEL: | DWG #: | Proof test record#: | Qualified size & pressure: |
|----------------|--------|--------|---------------------|----------------------------|
| Flange adapter | 7170,  | 7170-1 | #6,#18, #19.        | 2" to 8" - 300 psig        |
| Flange adapter | 7180.  | 180    | #2, #18, #19.       | 2" to 8" - 300 psig        |
| Flange         | 7041   | HA104a | #2, #5, #6,         | 2" to 6" – 300 psig        |
| Flange         | 7041   | HA104a | #7, #8,             | 10" and 12" – 175 psig     |