



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Designed Metal Connections dba Permaswage  
Engineering R&D Laboratory  
14800 S. Figueroa Street  
Gardena, CA 90248**

has been assessed by ANAB  
and meets the requirements of international standard

## ISO/IEC 17025:2005

while demonstrating technical competence in the field of

## TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

L2328

Certificate Number

  
ANAB Approval

Certificate Valid: 07/31/2018-09/13/2021  
Version No. 002 Issued:07/31/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Designed Metal Connections dba Permaswage  
Engineering R&D Laboratory

14800 S. Figueroa Street  
Gardena, CA 90248  
Cristopher Guzman  
(310) 217-3178

TESTING

Valid to: September 13, 2021

Certificate Number: L2328

Mechanical

| Specific Tests and/or Properties Measured           | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested | Key Equipment or Technology                          |
|---|--|------------------------------------|--|
| Joint Tensile Strength<br>(Up to 120 000) lb        | AS2094<br>AS18280                                  | Tube-Fitting Joints                | Tensile Test Machine                                 |
| Hydrostatic Burst Pressure<br>(Up to 100 000) psig  | AS2094   |                                    | Hydraulic Burst Chamber                              |
| Hydraulic Proof Pressure<br>(Up to 100 000) psig    | AS2094   |                                    | Hydraulic Burst Chamber                              |
| Flexure Fatigue Test                                | ARP1185<br>AS18280                                 |                                    | Rotary Flex Test Machine                             |
| Pressure Impulse Test<br>(Up to 25 000) psig        | AS603<br>AS4265                                    |                                    | Hydraulic Impulse Chamber                            |
| Pneumatic (Gaseous) Leak Test<br>(Up to 6 000) psig | AS2094   |                                    | Pneumatic Chamber                                    |
| Torsion (Torque) Test<br>(Up to 400) lb-ft          | AS2094<br>ASTM F1387                               |                                    | Torque Wrench  |
| Repeated Assembly (Reuse) Test                      | AS2094   |                                    | Torque Wrench  |
| Thermal Shock Test<br>(Up to 8 000) psig            | ARP899/Customer Requirements                       |                                    | Thermotron Test Chamber & Thermal Shock Test Machine |
| Electrical Bonding Test                             | AS2094   |                                    | Micro Ohm-Meter                                      |

Note:

1. This laboratory offers internal and commercial testing service.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2328.



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Vice President

