

Certificate Ref: 3000403867R  
This certificate replaces 3000403867

Order Ref: PO-03179  
Received: 09/11/2018  
Issue Date: 28/11/2018  
Re-issued: 07/01/2019

For the attention of: Leah Hatch  
K & S Aerospace Components  
Unit 14 Eddystone Road  
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SOUTHAMPTON  
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SO40 3SA



Ashley Payne  
Metallurgical Technician

**BUTT WELDED STAINLESS STEEL SHEET**  
**Material Specification - MSRR 6523**

Welded By : K Hatch  
Welder Identity : KS01  
Welding Process : TIG  
Filler Rod : MSRR 9500/2

**Weld Test**

Overall Result Acceptable

**Visual Examination**

Condition As Welded  
Magnification Up to x25  
Result Acceptable

**Tensile Test**

**Specification\***

**Specification\*\***

Laboratory Temperature		20 °C
Dimensions	a x b	25.0 x 1.23 mm
Area	So	30.8 mm <sup>2</sup>
Maximum Force	Fm	19.28 kN
Tensile Strength	Rm	626 N/mm <sup>2</sup>
Tensile Strength	Rm	90 ksi
Broke		Clear of weld
Result		Acceptable - providing tensile strength meets the design requirements



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### **Bend Test**

**Test Piece Pickled in accordance with BS  
EN ISO 3651:1998 Method 'A'**

Laboratory Temperature	20 °C
Bend Radius	3 x thickness
Face Bend	Bent 90° without cracking.
Result	Acceptable

### **Metallographic Examination**

Magnification	x50 - x500
Etchant	Ferric Chloride
Section(s) assessed	1
Result	Acceptable

Reason for re-issue: Additional Test Schedules added.

Test Schedule: C.A.A. - British Civil Airworthiness Requirements Chapter A8-10 as applicable.

Test Schedule: Rolls Royce Plc RPS 912 Iss 18 as applicable.

Test Schedule: British Standard BS ISO 24394:2008 + A1:2012 as applicable.

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