

Certificate Ref: 3000403868R
This certificate replaces 3000403868

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 : G Winter
Welder Identity : KS03
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 1.22 mm
Area	So	30.5 mm ²
Maximum Force	Fm	19.49 kN
Tensile Strength	Rm	639 N/mm ²
Tensile Strength	Rm	93 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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