


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames TW18 3HR

 <b>1136</b> Accredited to <b>ISO/IEC 17025:2017</b>	<b>SPS Technologies Limited</b>	
	<b>Issue No: 026</b>	<b>Issue date: 25 March 2025</b>
	<b>TJ Brooks Division</b> <b>191 Barkby Road</b> <b>Troon Industrial Area</b> <b>Leicester</b> <b>LE4 9HX</b>	<b>Contact: No commercial enquires</b>
<b>Testing performed at the above address only</b>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FASTENERS: METAL METALS, ALLOYS and METAL PRODUCTS	<u>Corrosion Tests</u>	
	Salt spray	ASTM B117-19
	<u>Mechanical Tests</u>	
Metals and alloys	Tensile at ambient temperature (Forces 5 to 400 kN)	BS EN ISO 6892-1 :2019 (Method B)
Nuts, bolts and assemblies	Tensile at ambient temperature (Forces up to 1200 kN)	NASM 1312-8 Rev 2 (2011) NAM 1312-108 Rev 1(2020)
Bolts	Shear at ambient temperature (Forces up to 1200 kN)	NASM 1312-13 Rev 2 (2013(R25)) NAM 1312-113 Rev 2 (2024)
	Fatigue at ambient temperature (Forces max from 1 to 450 kN)	NASM 1312-11 Rev 3 (2024) NAM 1312-111- Rev 1 (2020)
Nuts	Torque (up to 600 Nm)	Documented In-House Methods Laboratory Instruction LI 05 based on ISO 7481-2023, BS 2A 295:2000, ISO 7481:2000 (Superseded, Withdrawn) Clauses 3.3, 3.8 and 3.9 ISO 8642-2008, BS ISO 8642:2008 Clauses 3.3, 3.7 and 3.8
Nuts and Bolts	Stress durability	Documented In-House Method, Laboratory Instruction LI 41



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FASTENERS: METAL METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Mechanical Tests</u> (cont'd)	
Bolts	Recess torque	Documented In-House Method Laboratory Instruction LI 46 NASM 1312-25 Ed 2 (2024)
Metal fasteners	Hardness:  Vickers (HV30) Rockwell (HRC)	BS EN ISO 6507-1:2023  BS EN ISO 6508-1:2023 ASTM E18-24
Titanium alloy fasteners	<u>Chemical Analysis:</u> -  Hydrogen determination	Documented In-House Method Laboratory Instruction LI 16
Titanium alloys Low alloy steels Stainless steels Ni-base alloys	<u>Metallographic determination of:</u> -  Grain size (Comparison Method)  Grain flow Surface contamination Thread defects Overheating	ASTM E112-24  Documented In-House Methods Laboratory Instruction LI 20 Laboratory Instruction LI 20 Laboratory Instruction LI 20 Laboratory Instruction LI 20
END		