


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>8570</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<b>Independent Forgings and Alloys Ltd – Technology Centre</b>	
	<b>Issue No:</b> 013	<b>Issue date:</b> 12 February 2021
IFA Technology Centre Victoria Forge Livesey Street Sheffield S6 2BL United Kingdom	<b>Contact:</b> Samuel Naylor <b>Tel:</b> +44 (0) 1142 343000 <b>E-Mail:</b> sdnaylor@independentforgings.com <b>Web:</b> www.independentforgings.com	
<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
<b>FERROUS &amp; NON-FERROUS METALS, ALLOYS AND PRODUCTS</b>	<u>Mechanical Test</u>	
	Tensile (Ambient Temperature) (Forces from 3kN to 300 kN)	BS EN ISO 6892-1:2019 BS EN 2002-1:2005 ASTM A370-20 ASTM E8/E8M-16a
	Tensile (Temperature range 300 to 800°C) (Forces up to 100 kN)	BS EN ISO 6892-2:2018 BS EN 2002-2:2005 ASTM E21-20
	Stress Rupture	
	Plain and notched stress rupture (Temperature range 600 to 1000°C) (Forces >10KN)	ASTM E139-11 ASTM E292-18 BS EN 2002-005:2007
	Impact:	
	Charpy (V-notch) and (temperatures from -80°C to 200°C)	BS EN ISO 148-1:2016 ASTM E23-18 ASTM A370-20
	Hardness:	
	Rockwell (HRB & HRC)	BS EN ISO 6508-1:2016 ASTM E18-20
	Vickers (HV 10, 30) (HV 10, 30)	BS EN ISO 6507-1:2018 ASTM E92-17
Brinell (HB 10/3000)	BS EN ISO 6506-1:2014 ASTM E10-18	



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**Independent Forgings and Alloys Ltd – Technology Centre**

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FERROUS & NON-FERROUS METALS, ALLOYS AND PRODUCTS (cont'd)	<u>Metallurgical Tests</u>	
	Grain size (Comparison Method)	ASTM E112-13 BS EN ISO 643:2020
	Grain Size (Intercept Method)	ASTM E112-13
	Macro-etch examination	ASTM E381-20 ASTM A604/A604M-07 (2017) API 6ACRA 1st edition
	Micro examination - Identification of Delta and Laves phases in Inco 718	API 6ACRA 1st edition
	Volume Fraction Counting	BS 7590:1992 ASTM E562-19
	Inclusion Content of Steels	ASTM E45-18a

END