Aluminium Alloy 3L58 'O' Wire



SPECIFICATIONS

Commercial	5056A - OBSOLETE
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3L58 cold drawn and fully annealded soft wire rivet stock

CHEMICAL COMPOSITION

BS 3L58(1971) Alloy 3L58		
Element	% Present	
Magnesium (Mg)	4.5 - 5.5	
Manganese (Mn)	0.5 max	
Manganese + Chromium (Mn+Cr)	0.1 - 0.5	
Iron (Fe)	0.5 max	
Silicon (Si)	0.3 max	
Chromium (Cr)	0.25 max	
Nickel (Ni)	0.2 max	
Zinc (Zn)	0.2 max	
Titanium + Zirconium (Ti+Zr)	0.2 max	
Copper (Cu)	0.1 max	
Lead (Pb)	0.05 max	
Tin (Sn)	0.05 max	
Aluminium (AI)	Balance	

Material shall be supplied annealed.

ALLOY DESIGNATIONS

Aluminium alloy 3L58 - 5056A is covered by Standard BS EN 3L58 (1971)

TEMPER TYPES

The most common temper for 3L58 - 5056A aluminium rivet stock is cold drawn and fully annealed/fully soft
• O - Soft

SUPPLIED FORMS

L58-5056A aluminium is supplied as cold drawn wire for rivet stock

Wire

MECHANICAL PROPERTIES

BS 3L58(1971) Wire			
Property	Value		
Tensile Strength	265 Min N/mm2		

Material shall be subjected to a torsion test.

This specification was declared obsolescent on 01 April 1999. It is susceptible to intergranular corrosion.

CONTACT

Address: (incorporated in the USA)
Tel: +44 (0)1371 811 642
Email: info@aerometalsalliance.com

REVISION HISTORY

Datasheet Updated 09 January 2014

DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

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