TECHNICAL GUIDE

2011 T3

Aluminium Description

Aluminium Alloy 2011 T3 is known as a free machining alloy (FMA) and has excellent machinability and is particularly well suited for use on automatic lathes for component production. The alloy displays poor corrosion resistance and therefore, anodising will be required for additional surface protection. Whilst weldability is also very poor, 2011 T3 is a highly versatile aluminium. With its excellent machinability, the material can be used to produce highly complex and detailed parts and typical applications include, automotive Components, appliance parts, fasteners & fittings.

BS EN 573-3		COLOUR CODE	DESCRIPTION
FC 1	2011		Freecutting Aluminium

CHEMICAL ANALYSIS	
Sil	0.40 max
Iron	0.70 max
Cu	5.00 / 6.00
Mang	-
Mg	-
Chr	-
Zn	0.30 max
Ti	-
Lead	0.20 / 0.60

INTERNATIONAL SPECIFICATION COMPARISON	
BS	FC 1
BS EN 573-3	2011
GERMAN DIN	
FRENCH AFNOR	FC1
SWEDISH SS	
AMERICAN SAE	A92011
EUROPEAN STEEL NO.	3.1655
EUROPEAN STEEL NAME	ALCu6BiPb
EUROPEAN STANDARD	

QUICK VIEW SYSTEM	
MACHINEABILITY	400
WELDABILITY	Not recommended
HARDENABILITY	Not applicable
SELECTION GUIDE AND USAGE EXAMPLES	High performance free machining aluminum for repetition parts with superior tool life

SIZE RANGE SUMMARY			
	Rounds	IMP	5/32" - 3/4" dia
		MM	6mm - 22mm dia

SEE STOCK RANGE FOR SPECIFIC SIZES.