

TECHNICAL GUIDE

6082-T6/HE 30

BS EN 573-3	COLOUR CODE		DESCRIPTION
HE 30	6082-T6		General purpose Aluminium

CHEMICAL ANALYSIS	
Sil	0.70 / 1.30
Iron	0.50 max
Cu	0.10 max
Mang	0.40 / 1.00
Mg	0.60 / 1.20
Chr	0.25 max
Zn	0.20 max
Ti	0.10 max

INTERNATIONAL SPECIFICATION COMPARISON	
BS	HE 30
BS EN 573-3	6082-T6
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	6082
AMERICAN SAE	
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	AlSi1MgMn
EUROPEAN STANDARD	EN-AW-6082

QUICK VIEW SYSTEM	
MACHINEABILITY	250
WELDABILITY	Good
HARDENABILITY	Not applicable
SELECTION GUIDE AND USAGE EXAMPLES	A good allround general purpose aluminium

SIZES														
Size (ins. dia)	1/4	3/8	1/2	5/8	3/4	7/8	1	1.1/8	1.1/4	1.3/8	1.1/2	1.5/8	1.3/4	2
	2.1/4	2.1/2	2.3/4	3	3.1/4	3.1/2	4	4.1/2	5	6	7	8		

Size (ins.)	1/2 x 1/4	3/4 x 1/4	3/4 x 1/2	1 x 1/4	1 x 3/8	1 x 1/2
	1 x 3/4	1.1/4 x 1/4	1.1/4 x 1/2	1.1/2 x 1/4	1.1/2 x 1/2	1.1/2 x 3/4
	1.1/2 x 1	2 x 1/4	2 x 1/2	2 x 3/4	2 x 1	2 x 1.1/2
	2.1/2 x 1/2	2.1/2 x 1	2.1/2 x 2	3 x 1/4	3 x 1/2	3 x 3/4
	3 x 1	3 x 1.1/2	3 x 2	3.1/2 x 5/8	4 x 1/2	4 x 3/4
	4 x 1	4 x 1.1/2	4 x 2	5 x 1/2	6 x 1/2	6 x 1

Size (ins. sq)	1/2	3/4	1	1.1/4	1.1/2	2
	3	4				