

Non-Ferrous Stock

Aluminium



- Aluminium and its alloys provide a highly versatile range of materials combining strength, lightness and corrosion resistance
- Aluminium section is HE9TF unless otherwise stated (all section supplied to BS1474)
- Aluminium sheet supplied with vinyl coated protection on one side, as either commercially pure or anodised silver aluminium

HE9TF is a general purpose alloy with reasonable strength. Used widely in applications where a good finish is required, it can be readily anodised.

HE30TF is a higher strength alloy offering good machinability as well as being suitable for stressed and structural applications.

Aluminium sheet is supplied either as alloy SICH4 (1050A) commercially pure aluminium, which is easily formed and joined with good corrosion resistance but low strength; or as Alloy 5005 which is anodised silver aluminium to BS1470 formulated for decorative and architectural applications with a durable & attractive silver finish.

EMA4

5 Per Lot		Price Per Lot					
Round Bar	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length							
Ø in.							
¼"	HE30TF	709-4670					
¾"	HE30TF	709-4681					
½"	HE30TF	709-4693					
⅝"	HE30TF	709-4772					
¾"	HE30TF	709-4784					
1"	HE30TF	709-4796					
1¼"	HE30TF	709-4802					
1½"	HE30TF	709-4814					

5 Per Lot		Price Per Lot						
Tube	SWG	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length								
Outside Ø in.								
½"	16	HE9TF	709-4504					
½"	10	HE9TF	709-4516					
¾"	10	HE9TF	709-4528					
1"	16	HE9TF	709-4530					
1"	10	HE9TF	709-4541					
1½"	10	HE9TF	709-4553					
2"	16	HE9TF	709-4565					

5 Per Lot		Price Per Lot					
Angle	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length							
Size in.							
½" ½" ½"	HE9TF	709-4358					
¾" ¾" ½"	HE9TF	709-4360					
1" 1" ½"	HE9TF	709-4371					
1½" 1½" ½"	HE9TF	709-4383					
2" 2" ½"	HE9TF	709-4395					

5 Per Lot		Price Per Lot					
Channel	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length							
Size in.							
½" ½" ½"	HE9TF	709-4401					
¾" ¾" ½"	HE9TF	709-4413					
1" 1" ½"	HE9TF	709-4425					
1½" 1½" ½"	HE9TF	709-4437					
2" 2" ½"	HE9TF	709-4449					

5 Per Lot		Price Per Lot						
Box Section	SWG	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length								
Size in.								
1" 1"	16	HE9TF	709-4450					
1" 1"	10	HE9TF	709-4462					
1½" 1½"	16	HE9TF	709-4474					
1½" 1½"	10	HE9TF	709-4486					
2" 2"	10	HE9TF	709-4498					

5 Per Lot		Price Per Lot					
Flat Bar	Grade	Order Code	1+	5+	10+	50+	100+
1000mm Length							
Size in.							
½" ½"	HE9TF	709-4619					
¾" ½"	HE9TF	709-4620					
1" ½"	HE9TF	709-4632					
1½" ½"	HE9TF	709-4644					
2" ½"	HE9TF	709-4656					
2" ¼"	HE9TF	709-4668					

5 Per Lot		Price Per Lot					
Sheet	Grade	Order Code	1+	5+	10+	50+	100+
1250 625							
Thickness							
1.2	SICH4	709-4826					
135	SICH4	709-4838					
2	SICH4	709-4840					
3	SICH4	709-4851					

4 Per Lot		Price Per Lot					
Anodised Sheet	Grade	Order Code	1+	5+	10+	50+	100+
1250 625							
Thickness							
1.5mm	5005	709-4863					

All dimensions are approximate

Copper C101 & C106



- Choice of: Copper C101 to BS2874 - 'Electro'
- Copper C106 to BS2871 - 'Deox'

The term copper is used to cover commercially pure (99.9%) copper in all forms.

C101 - Electrolytic tough pitch, high conductivity copper, ETP or 'Electro' - is used for general engineering, electrical, automotive and cold formed applications. It exhibits high electrical/thermal conductivity and, with its high ductility and impact strength, can be a very useful material.

C106 - Phosphorus deoxidised, non-arsenical copper or 'Deox' - has been deoxidised with phosphorus in order to make it even easier to weld and braze. It also has improved drawing properties. This material is commonly used in the gas, refrigeration & building industries.

Typical Mechanical Properties	Condition	Tensile Strength N/mm2	Proof Stress 0.2% N/mm2	% Elongation	Hardness VPN
C101	Half Hard	280	220	10	95-105
C106	Annealed	220	45	45	45-60

EMA6

4 Per Lot		Price Per Lot					
C101 Red	Order Code	1+	5+	10+	20+	50+	100+
1000mm Length							
Metric Ø mm							
3	709-6951						
6	709-6963						
12	709-6975						
15	709-6987						
20	709-6999						
25	709-7001						

4 Per Lot		Price Per Lot					
C101 Red	Order Code	1+	5+	10+	20+	50+	100+
1000mm Length							
Imperial Ø in.							
¼"	709-7013						
½"	709-7025						
¾"	709-7037						
1"	709-7049						

6 Per Lot		Price Per Lot						
C106 Tube	SWG	Order Code	1+	5+	10+	20+	50+	100+
1000mm Length								
Outside Ø in.								
¼"	16	709-7141						
½"	16	709-7153						
¾"	16	709-7165						
1"	16	709-7177						