

# Aluminium sheet,Rods,Flats sections etc.



**1000 series Aluminium:** are the purest forms of aluminium, they are resistant to chemical attack and weathering, easily worked and welded, but the lowest strength aluminium. They are often used for chemical processing equipment and other applications where material purity is important. Being highly ductile 1000 series aluminium is used for metal pressings of all types.

**Aluminium alloy 6082:** is a medium strength aluminium alloy offering excellent corrosion resistance and is widely used for light to medium strength applications. It has the highest strength of the 6000 series alloys. 6082 aluminium alloy combines good formability, weldability, corrosion resistance and strength after heat treatment. 6082 is the most common heat treated alloy plate from stock. In plate form, Aluminium alloy 6082 is the alloy most commonly used for machining.

**Aluminium alloy 6063:** is a medium strength aluminium alloy, often referred to as an architectural alloy. It is normally used for intricate extrusions. 6063 has high corrosion resistance, a good surface finish, is readily welded and can be anodised. Most commonly available as T6 temper, in the T4 condition it has good formability. Aluminium alloy 6063 is typically used in: Architectural applications, extrusions, window and door frames, shop fittings and irrigation tubing.

Steel Express are stockholders and suppliers of Aluminium. Popular stock aluminium items shown below, please call for full range. We are also suppliers of aluminium extrusions, channel, tubes, box section and profiles/mouldings. All Aluminium stock can be delivered locally and nationwide on our own fleet of vehicles.

Aluminium [box section](#). [sheet](#), [plate](#), [flats](#), [squares](#), [rounds](#), [perforated sheet](#)

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[Aluminium Box Section](#)  
in 6063 & 6082 alloy

Size (inches)	Thickness / Gauge
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	16swg	10swg	1/4 inch
1/2 x 1/2	X		
3/4 x 3/4	X	X	
1 x 1	X	X	
1 1/4 x 1 1/4	X	X	
1 1/2 x 3/4	X	X	
1 1/2 x 1	X	X	
1 1/2 x 1 1/2	X	X	
1 3/4 x 1 3/4		X	
2 x 1	X	X	
2 x 1 1/2		X	
2 1/2 x 1 1/2		X	
2 x 2	X	X	X
2 1/2 x 2 1/2		X	
3 x 1		X	
3 x 1 1/2		X	
3 x 2		X	X
3 x 3		X	X
4 x 1		X	
4 x 2		X	X
4 x 4		X	X
6 x 1 3/4		X	
6 x 2		X	X
5 x 5		X	
6 x 6			X

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# Aluminium Flats (inches)

3/8 x 1/8	2 1/2 x 3/8	6 x 1/4
3/4 x 1/2	2 1/2 x 1/2	6 x 3/8
1 x 1/4	2 1/2 x 1	6 x 1/2
1 x 3/8	2 1/2 x 1 1/2	6 x 5/8
1 x 1/2	2 1/2 x 1 3/4	6 x 3/4
1 x 5/8		6 x 1
1 x 3/4	3 x 3/8	6 x 1 1/4
	3 x 1/2	6 x 1 1/2
1 1/4 x 3/8	3 x 3/4	6 x 2
1 1/4 x 1/2	3 x 1	
1 1/4 x 3/4	3 x 1 1/2	8 x 1/2
1 1/4 x 7/8	3 x 2	8 x 3/4
1 1/4 x 1		8 x 1
	4 x 3/8	8 x 1 1/4
1 1/2 x 1/4	4 x 1/2	8 x 1 1/2
1 1/2 x 3/8	4 x 3/4	
1 1/2 x 1/2	4 x 1	10 x 1/2
1 1/2 x 5/8	4 x 1 1/2	10 x 3/4
1 1/2 x 3/4	4 x 2	10 x 1
1 1/2 x 1	4 x 2 1/2	12 x 1/2
1 1/2 x 1 1/4	4 x 3	12 x 1

1 3/4 x 1	5 x 1/2
1 3/4 x 1 1/4	5 x 3/4
	5 x 1
2 x 1/4	5 x 1 1/4
2 x 3/8	5 x 1 1/2
2 x 1/2	5 x 2
2 x 5/8	5 x 3
2 x 3/4	
2 x 1	
2 x 1 1/4	

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#### Aluminium Flats (Metric)

10mm x 6mm	40mm x 3mm	70mm x 10mm	150mm x 5mm
20mm x 3mm	40mm x 4mm	70mm x 15mm	150mm x 6mm
20mm x 4mm	40mm x 5mm	70mm x 20mm	150mm x 8mm
20mm x 5mm	40mm x 6mm	70mm x 25mm	150mm x 10mm
20mm x 6mm	40mm x 8mm	70mm x 30mm	200mm x 6mm
20mm x 8mm	40mm x 10mm	70mm x 40mm	200mm x 8mm
20mm x 10mm	40mm x 12mm	80mm x 6mm	200mm x 10mm
20mm x 12mm	40mm x 15mm	80mm x 8mm	200mm x 15mm
20mm x 15mm	40mm x 20mm	80mm x 10mm	200mm x 20mm
25mm x 3mm	40mm x 25mm	80mm x 12mm	225mm x 45mm

25mm x 5mm	40mm x 30mm	80mm x 15mm	250mm x 10mm
25mm x 6mm	50mm x 3mm	80mm x 20mm	
25mm x 8mm	50mm x 5mm	80mm x 25mm	
25mm x 10mm	50mm x 6mm	80mm x 30mm	
25mm x 12mm	50mm x 8mm	80mm x 40mm	
25mm x 15mm	50mm x 10mm	100mm x 5mm	
25mm x 20mm	50mm x 12mm	100mm x 6mm	
30mm x 3mm	50mm x 15mm	100mm x 8mm	
30mm x 5mm	50mm x 20mm	100mm x 10mm	
30mm x 6mm	50mm x 25mm	100mm x 12mm	
30mm x 8mm	50mm x 30mm	100mm x 15mm	
30mm x 10mm	50mm x 40mm	100mm x 20mm	
30mm x 12mm	60mm x 5mm	100mm x 25mm	
30mm x 15mm	60mm x 6mm	100mm x 30mm	
30mm x 20mm	60mm x 8mm	120mm x 5mm	
30mm x 25mm	60mm x 10mm	120mm x 10mm	
	60mm x 12mm	120mm x 12mm	
	60mm x 15mm	120mm x 15mm	
	60mm x 20mm	120mm x 20mm	
	60mm x 25mm	120mm x 25mm	
	60mm x 30mm	120mm x 30mm	
	60mm x 40mm	120mm x 90mm	

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Aluminium Squares

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Inches	1/2	5/8	3/4	7/8	1	1 1/4	1 3/8	1 1/2	1 3/4	
	2	2 1/4	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Metric	10mm	12mm	15mm	20mm	25mm	30mm	35mm	40mm	60mm	

### Aluminium Rounds

Inches	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
	1	1 1/16	1 1/8	1 3/16	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	1 5/8
	1 11/16	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 5/8	2 3/4
	2 7/8	3	3 1/8	3 1/4	3 1/2	4	4 1/4	4 1/2	5	5 1/4
	5 1/2	6	6 1/4	6 1/2	7	8				
Metric	3mm	4mm	5mm	6mm	8mm	10mm	12mm	15mm	16mm	20mm
	25mm	25.8mm	30mm	40mm	45mm	50mm	62mm	65mm	80mm	

### Aluminium Sheet / Aluminium plates 1010 & 6082

Dimensions in mm.

2000 x 1000 x 1mm	2500 x 1250 x 1mm
2000 x 1000 x 1.2mm	2500 x 1250 x 1.2mm
2000 x 1000 x 1.5mm	2500 x 1250 x 1.5mm
2000 x 1000 x 2mm	2500 x 1250 x 2mm
2000 x 1000 x 2.5mm	2500 x 1250 x 2.5mm
2000 x 1000 x 3mm	2500 x 1250 x 3mm
2000 x 1000 x 4mm	2500 x 1250 x 4mm

2000 x 1000 x 5mm

2500 x 1250 x 5mm

2000 x 1000 x 6mm

2500 x 1250 x 6mm

2000 x 1000 x 8mm

2500 x 1250 x 8mm

2000 x 1000 x 10mm

2500 x 1250 x 10mm

2000 x 1000 x 12mm

2500 x 1250 x 12mm

2000 x 1000 x 16mm

2500 x 1250 x 16mm

2000 x 1000 x 20mm

2500 x 1250 x 20mm

2000 x 1000 x 25mm

2500 x 1250 x 25mm

2500 x 1250 x 30mm

2500 x 1250 x 40mm

2500 x 1250 x 50mm

2500 x 1250 x 60mm

2500 x 1250 x 70mm

2500 x 1250 x 80mm

2500 x 1250 x 100mm

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