

Aluminium

ASC Metals Lincoln Ltd holds a wide range of aluminium in stock, including:

- Sheet
- Stucco sheet
- Plate
- Tooling plate (cast+rolled)
- Treadplate
- Tee section
- Round bar
- Angle
- Flat bar
- Square bar
- Double feather edge
- Channel
- Tube
- Box section
- Half round mouldings

We stock a wide range of standard sizes - the following pages list the most commonly requested items. We can also offer many non-standard products on request.

We provide a guillotining service of sheet and plate up to 10mm thick and up to 4m long, a plate-sawing service of up to 152.4mm thick and up to 3m long, and a tube/bar cutting service up to 406.4mm diameter. We can design and produce special aluminium extrusions for your specific applications, and anodising, polishing and powder coating finishes can also be arranged. To protect sheet surfaces, we can cover them in standard 2thou, 4thou, fibre laser thick poly-coating.

Aluminium is:

- Lightweight with high strength/weight ratio
- Corrosion resistant
- Electrically/thermally conductive
- Non-magnetic and non-combustible
- Non-toxic and impervious
- Aesthetically pleasing with a wide range of surface finishes
- Good for decorative, functional or structural purposes
- Very malleable and easily machined
- Recyclable
- Aluminium is available in a wide range of alloys to suit different applications

Aluminium's most common specifications are 1050A H14, 5251 H22, 5083 "O", 6063 T6 and 6082 T6. Other grades are available upon request. For information on any technical specifications, please enquire.

Many other sizes available, please call our sales team.

All weights shown are approximate.

Aluminium

Aluminium sheet



Thickness	Weight per sheet							
	2m x 1m	2.5m x 1.25m	3m x 1m	3m x 1.25m	3m x 1.5m	3m x 2m	4m x 1.5m	4m x 2m
6mm	32.6	50.8			73.17			
5mm	27.2	42.3			60.98			
4mm	21.7	33.9			49.16			
3mm	16.3	25.4	24.4	30.5	36.6	48.8	48.8	65
2.5mm	13.6	21.2			30.5			
2mm	11	16.9	16.3	20.3	24.4	32.5	33.1	43.3
1.5mm	8.1	12.7	12.15	15.24	18.4			
1.2mm	6.5	10.2			14.7			
0.9mm	4.9	7.6						
0.7mm	3.8	5.9						
0.5mm	2.7	4.2						

Aluminium stucco sheet



Thickness	Weight per sheet	
	2m x 1m	2.5m x 1.25m
1.2mm	6.5	10.2
0.8mm	4.4	6.8
0.6mm	3.3	5.1
0.5mm	2.7	4.3

Cast and rolled tooling plate stocked.

Aluminium plate

* Stocked size sheets: 2.5m x 1.25m 3m x 1.5m.
Other sizes available. *Subject to stock levels



Aluminium tooling plate



Thickness		Weight sq/m	
6mm	8mm	16.2	21.7
10mm	12mm	27.1	32.5
15mm	16mm	40.7	43.4
20mm	25mm	54.2	67.7
30mm	35mm	81.3	94.8
40mm	50mm	108.4	135.5
60mm	70mm	162.2	189.7
80mm		216.8	

Thickness		Weight sq/m	
1/2"	3/4"	34.4	51.6
7/8"	1"	60.2	68.8
1 1/4"	1 1/2"	86	103.2
1 3/4"	2"	120.4	137.7
2 1/4"	2 1/2"	154.9	172.1
2 3/4"	3"	189.3	206.5
3 1/2"	4"	240.9	275.3
4 1/2"	5"	309.7	344.2
5 1/2"	6"	378.6	413

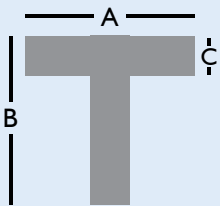
Aluminium

Aluminium 5 bar treadplate



Thickness	Weight per sheet			
	2m x 1m	2.5m x 1.25m	3m x 1.5m	4m x 2m
2mm	12.3	19.2	27.6	
3mm	18.4	28.8	41.5	66
4.5mm	27.6	43.2	62.2	110.4
6mm	36.8	57.6	82.9	147.2
8mm		67.9		
9.5mm		78.3		

Aluminium tee section



A	B	C	Weight kg/m
1/2"	1/2"	1/16"	0.104
5/8"	5/8"	1/8"	0.25
3/4"	3/4"	1/16"	0.16
	3/4"	1/8"	0.302
7/8"	7/8"	1/8"	0.36
1"	1"	1/16"	0.213
	1"	1/8"	0.411
	2"	1/8"	0.631
1 1/4"	1 1/4"	1/8"	0.52
1 1/2"	1 1/2"	1/8"	0.631
	1 1/2"	3/16"	0.92
	1 1/2"	1/4"	1.21
2"	1"	1/8"	0.631
	2"	1/8"	0.851
	2"	1/4"	1.652
2 1/2"	2 1/2"	1/4"	2.14
3"	3"	1/4"	2.57
4"	3"	1/4"	3.021
	4"	1/4"	3.41
	4"	3/8"	4.431

Aluminium

Aluminium round bar

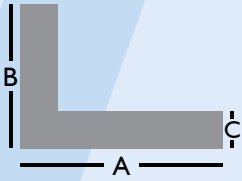


Dia.	Weight kg/m
1/8"	0.021
3/16"	0.051
1/4"	0.089
5/16"	0.138
3/8"	0.199
7/16"	0.271
1/2"	0.354
9/16"	0.448
5/8"	0.554
3/4"	0.796
7/8"	1.083
1"	1.414
1 1/8"	1.786
1 1/4"	2.202
1 3/8"	2.679
1 1/2"	3.185
1 5/8"	3.735
1 3/4"	4.345
1 7/8"	4.971
2"	5.655
2 1/8"	6.399
2 1/4"	7.158
2 3/8"	7.992
2 1/2"	8.855
2 5/8"	9.748

Dia.	Weight kg/m
2 3/4"	10.4
3"	12.37
3 1/4"	14.51
3 1/2"	16.82
3 3/4"	19.35
4"	22.02
4 1/4"	24.85
4 1/2"	27.83
4 3/4"	30.96
5"	34.4
5 1/4"	37.8
5 1/2"	41.5
5 3/4"	45.4
6"	49.4
6 1/2"	58
7"	67.3
7 1/2"	77.2
8"	87.9
9"	111.3
10"	137.4
11"	166.2
12"	197.9
13"	232.5
14"	269.6
16"	350

Aluminium

Aluminium unequal angle

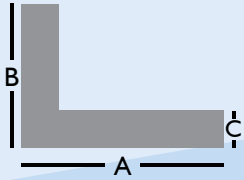


A	B	C	Weight kg/m
3/4"	3/8"	1/16"	0.12
	1/2"	1/16"	0.129
	1/2"	1/8"	0.246
1"	1/2"	1/16"	0.16
	1/2"	1/8"	0.302
	5/8"	1/8"	0.327
	3/4"	1/16"	0.189
	3/4"	1/8"	0.356
1 1/4"	1/2"	1/8"	0.356
	3/4"	1/8"	0.409
	1"	1/8"	0.464
1 1/2"	1/2"	1/8"	0.409
	3/4"	1/8"	0.464
	1"	1/16"	0.265
	1"	1/8"	0.522
	1"	3/16"	0.783
1 3/4"	1/2"	1/8"	0.518
	3/4"	1/8"	0.53
	1"	1/8"	0.574
2"	3/4"	1/8"	0.574
	1"	1/8"	0.628
	1"	3/16"	0.922
	1"	1/4"	1.205
	1 1/4"	1/8"	0.67
	1 1/2"	1/8"	0.741
	1 1/2"	3/16"	1.101
	1 1/2"	1/4"	1.426
2 1/4"	1"	1/8"	0.741
2 1/2"	1 1/2"	1/8"	0.738
	1 1/2"	3/16"	1.249
	1 1/2"	1/4"	1.64
	2"	1/4"	1.905
3"	1"	1/8"	0.847
	1"	1/4"	1.654
	1 1/2"	1/8"	0.955
	1 1/2"	1/4"	1.86

Aluminium

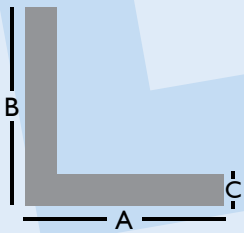
Aluminium unequal angle

CONTINUED



A	B	C	Weight kg/m
	2"	1/8"	1.066
	2"	3/16"	1.58
	2"	1/4"	2.078
4"	1"	1/8"	1.066
	2"	1/8"	1.282
	2"	1/4"	2.515
	3"	1/4"	2.96
	3"	3/8"	4.39
6"	3"	1/4"	3.63
	3"	3/8"	5.724

Aluminium equal angle

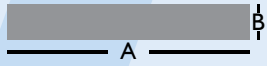


A	B	C	Weight kg/m
3/8"	3/8"	1/16"	0.079
1/2"	1/2"	1/16"	0.104
		1/8"	0.192
5/8"	5/8"	1/16"	0.13
		1/8"	0.25
3/4"	3/4"	1/16"	0.16
		1/8"	0.302
7/8"	7/8"	1/16"	0.183
		1/8"	0.36
1"	1"	1/16"	0.213
		1/8"	0.411
		3/16"	0.6
		1/4"	0.77
1 1/8"	1 1/8"	1/8"	0.466
1 1/4"	1 1/4"	1/16"	0.27
		1/8"	0.52
		3/16"	0.76
		1/4"	0.99
1 3/8"	1 3/8"	1/8"	0.545
1 1/2"	1 1/2"	1/16"	0.33
		1/8"	0.631
		3/16"	0.93

A	B	C	Weight kg/m
		1/4"	1.21
1 3/4"	1 3/4"	1/8"	0.744
		3/16"	1.09
		1/4"	1.43
2"	2"	1/16"	0.43
		1/8"	0.851
		3/16"	1.26
		1/4"	1.652
		3/8"	2.46
2 1/2"	2 1/2"	1/8"	1.07
		3/16"	1.592
		1/4"	2.083
		3/8"	3.04
3"	3"	1/8"	1.284
		3/16"	1.907
		1/4"	2.55
		3/8"	3.705
4"	4"	1/8"	1.683
		1/4"	3.5
		3/8"	5.02
		1/2"	6.62
6"	6"	1/2"	10.1

Aluminium

Aluminium flat bar



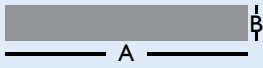
A	B	Weight kg/m
3/8"	1/8"	0.082
	1/4"	0.164
1/2"	1/16"	0.055
	1/8"	0.11
	3/16"	0.165
	1/4"	0.22
	3/8"	0.33
5/8"	1/8"	0.14
	3/16"	0.205
	1/4"	0.274
	3/8"	0.411
	1/2"	0.55
3/4"	1/16"	0.08
	1/8"	0.165
	3/16"	0.246
	1/4"	0.33
	5/16"	0.411
	3/8"	0.494
	1/2"	0.66
7/8"	1/8"	0.192
	3/16"	0.289
	1/4"	0.384
	3/8"	0.576
	1/2"	0.77
1"	1/16"	0.112
	1/8"	0.22
	3/16"	0.33
	1/4"	0.44
	5/16"	0.55
	3/8"	0.66
	1/2"	0.88
	5/8"	1.1
	3/4"	1.32
1 1/4"	1/8"	0.274
	3/16"	0.411
	1/4"	0.55
	5/16"	0.686
	3/8"	0.823
	1/2"	1.1
	5/8"	1.372
	3/4"	1.652
	1"	2.2

A	B	Weight kg/m
1 1/2"	1/16"	0.165
	1/8"	0.33
	3/16"	0.494
	1/4"	0.66
	5/16"	0.823
	3/8"	0.988
	1/2"	1.32
	5/8"	1.652
	3/4"	1.98
	1"	2.634
1 3/4"	1/8"	0.384
	3/16"	0.576
	1/4"	0.77
	3/8"	1.152
	1/2"	1.537
	3/4"	2.29
	1"	3.07
2"	1/8"	0.44
	3/16"	0.66
	1/4"	0.88
	5/16"	1.1
	3/8"	1.32
	1/2"	1.76
	5/8"	2.2
	3/4"	2.634
	1"	3.512
2 1/4"	1/4"	0.988
2 1/2"	1/8"	0.55
	3/16"	0.823
	1/4"	1.1
	3/8"	1.652
	1/2"	2.2
	3/4"	3.33
	1"	4.39
	1 1/2"	6.58
3"	1/8"	0.66
	3/16"	0.988
	1/4"	1.32
	3/8"	1.98
	1/2"	2.634
	5/8"	3.33
	3/4"	3.96

Aluminium

Aluminium flat bar

CONTINUED



A	B	Weight kg/m
	1"	5.267
	1 1/2"	7.9
	2"	10.53
3 1/2"	1/4"	1.537
	1/2"	3.07
	1"	5.267
	1 1/2"	7.9
	2"	10.53
4"	1/8"	0.88
	3/16"	1.32
	1/4"	1.76
	3/8"	2.634
	1/2"	3.512
	5/8"	4.39

A	B	Weight kg/m
	3/4"	5.267
	1"	7.023
	1 1/2"	10.53
5"	1/4"	2.2
	3/8"	3.3
	1/2"	4.39
	3/4"	6.58
6"	1/8"	1.32
	1/4"	2.634
	3/8"	3.96
	1/2"	5.267
	3/4"	8.09
	1"	10.53

Aluminium square bar



A	Weight kg/m
1/4"	0.11
5/16"	0.171
3/8"	0.24
1/2"	0.44
5/8"	0.69
3/4"	0.988
1"	1.76
1 1/4"	2.74
1 1/2"	3.96

A	Weight kg/m
1 3/4"	5.37
2"	7.024
2 1/4"	8.88
2 1/2"	10.98
3"	15.805
4"	28.127
5"	44.5
6"	63.1

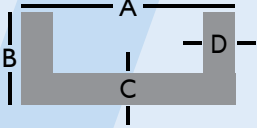
Aluminium double feather edge



A	B	Weight kg/m
3/4"	1/8"	0.154
1"	1/8"	0.207
1 1/4"	1/8"	0.262
1 1/2"	1/8"	0.318
2"	1/8"	0.424

Aluminium

Aluminium channel

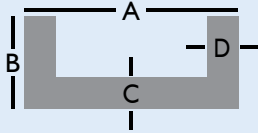


A	B	C	D	Weight kg/m
1/4"	3/8"	0.05	0.05	0.07
3/8"	3/8"	1/16"	1/16"	0.11
1/2"	1/2"	1/16"	1/16"	0.147
	1/2"	1/8"	1/8"	0.272
	5/8"	1/8"	1/8"	0.34
5/8"	5/8"	1/16"	1/16"	0.196
	5/8"	1/8"	1/8"	0.351
3/4"	1/2"	1/16"	1/16"	0.201
	1/2"	1/8"	1/8"	0.327
	3/4"	1/16"	1/16"	0.239
	3/4"	1/8"	1/8"	0.438
7/8"	7/8"	1/8"	1/8"	0.509
1"	1/2"	1/8"	1/8"	0.381
	3/4"	1/8"	1/8"	0.491
	1"	1/8"	1/8"	0.603
	1 1/2"	1/8"	1/8"	0.85
	2"	1/8"	1/8"	1.016
1 1/8"	3/4"	1/8"	1/8"	0.519
	1"	1/8"	1/8"	0.628
1 1/4"	1/2"	1/8"	1/8"	0.438
	3/4"	1/8"	1/8"	0.548
	1"	1/8"	1/8"	0.689
	1 1/4"	1/8"	1/8"	0.765
	1 1/4"	3/16"	3/16"	1.108
1 3/8"	1"	1/8"	1/8"	0.683
1 1/2"	3/4"	1/8"	1/8"	0.6
	1"	1/8"	1/8"	0.71
	1 1/2"	1/8"	1/8"	0.929
	1 1/2"	3/16"	3/16"	1.47
1 3/4"	1"	1/8"	1/8"	0.765
2"	1/2"	1/8"	1/8"	0.62
	1"	1/8"	1/8"	0.821
	1"	3/16"	3/16"	1.186
	1"	1/4"	1/4"	1.531
	1 1/2"	1/4"	1/4"	1.969
	2"	1/8"	1/8"	1.256
	2"	1/4"	1/4"	2.406
2 1/4"	1 1/4"	3/16"	3/16"	1.432
2 1/2"	1"	1/8"	1/8"	0.929
	1 1/2"	3/16"	3/16"	1.801
3"	1"	1/8"	1/8"	1.04
	1 1/2"	1/8"	1/8"	1.284

Aluminium

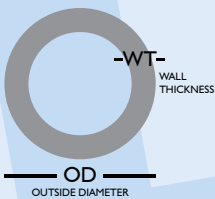
Aluminium channel

CONTINUED



A	B	C	D	Weight kg/m
	1 1/2"	1/4"	1/4"	2.704
	2"	1/8"	1/8"	1.478
	2"	1/4"	1/4"	2.844
4"	1"	1/8"	1/8"	1.696
	2"	1/8"	1/8"	1.57
	2"	1/4"	1/4"	3.23
	2"	1/4"	5/16"	3.762
5"	2"	1/4"	5/16"	4.652
6"	3"	1/4"	3/8"	6.34
	3"	3/8"	1/2"	8.727

Aluminium tube

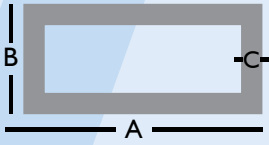


O.D	Wall thickness	Weight kg/m
1/4"	20swg	0.042
	16swg	0.065
5/16"	20swg	0.055
	16swg	0.088
3/8"	20swg	0.67
	16swg	0.109
1/2"	16swg	0.153
	10swg	0.26
5/8"	16swg	0.2
	10swg	0.35
3/4"	16swg	0.241
	10swg	0.44
7/8"	16swg	0.284
	10swg	0.524
1"	16swg	0.33
	10swg	0.612
1 1/8"	3/16"	0.84
	16swg	0.372
1 1/4"	10swg	0.7
	16swg	0.415
1 1/2"	10swg	0.79
	16swg	0.46
1 3/8"	10swg	0.875
	16swg	0.503
1 1/2"	10swg	0.963
	1/4"	1.71
1 5/8"	10swg	1.05

O.D	Wall thickness	Weight kg/m
1 3/4"	16swg	0.591
	10swg	1.14
1 7/8"	10swg	1.225
	7swg	1.652
2"	16swg	0.68
	10swg	1.32
	3/16"	1.87
	1/4"	2.411
2 1/4"	16swg	0.766
	10swg	1.49
	1/4"	2.753
	16swg	0.86
	10swg	1.67
	1/4"	3.11
2 3/4"	10swg	1.85
	16swg	1.051
3"	10swg	3.78
	1/4"	3.78
3 1/4"	16swg	1.167
	10swg	2.2
3 1/2"	16swg	1.205
	10swg	2.37
	1/4"	4.48
	16swg	1.38
	10swg	2.73
	1/4"	5.17

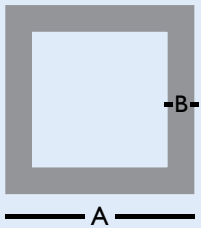
Aluminium

Aluminium rectangular box section



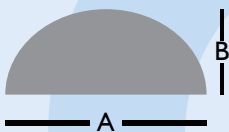
A	B	C	Weight kg/m
1 1/2"	3/4"	16swg	0.48
1 1/2"	1"	16swg	0.52
	1"	10swg	1
2"	1"	10swg	1.22
2"	1 1/2"	10swg	1.34
3"	1"	10swg	1.67
3"	1 1/2"	10swg	1.9
3"	2"	10swg	2.11
4"	1"	10swg	2.12
	2"	10swg	2.56
6"	2"	10swg	3.4

Aluminium box section



A	B	Weight kg/m
1/2"	16swg	0.2
3/4"	16swg	0.308
1"	16swg	0.42
	10swg	0.78
1 1/4"	16swg	0.53
	10swg	1
1 1/2"	16swg	0.631
	10swg	1.23
1 3/4"	10swg	1.45
2"	16swg	0.87
	10swg	1.68
2 1/2"	10swg	2.12
3"	10swg	2.57
4"	10swg	3.47

Aluminium half round moulding



A	B	Weight kg/m
1/2"	3/16"	0.089
5/8"	3/16"	0.097
7/8"	3/16"	0.146
1"	3/16"	0.167
1 1/4"	3/16"	0.196
	1/4"	0.308
1 1/2"	3/16"	0.25
	1/4"	0.366
2"	1/4"	0.542

Stainless Steel

ASC Metals Lincoln Ltd holds a wide range of stainless steel in stock, including:

- Sheet
- Durbar
- Hexagon
- Pipe
- Flat bar
- Round bar
- Tube
- Square bar
- Angle
- Box section

We stock a wide range of standard sizes - the following pages list the most commonly requested items. We can also offer many non-standard products on request.

We provide a guillotining service of sheet up to 6mm thick and up to 4m long, and a tube/bar cutting service up to 305mm diameter. To protect sheet surfaces, we can cover them in standard 2thou, 4thou, fibre laser thick poly-coating.

Stainless steels are iron alloys with a minimum of 10.5% chromium and other alloying elements - including nickel, molybdenum, titanium, copper, carbon or nitrogen - to enhance their structure and properties. There are several families of stainless steels - ferritic, martensitic, austenitic and duplex - which all have different properties to suit different applications.

Stainless steel is

- Corrosion resistant to different levels to suit a wide variety of applications
- Strong
- Aesthetically pleasing
- Easy to manipulate and fabricate
- Temperature resistant
- Hygienic
- Non-magnetic or magnetic
- Recyclable

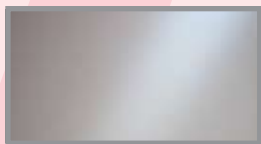
Stainless Steel's most common specifications are 1.4305 (303), 1.4301 (304), 1.4401/1.4404 (316/316L), 1.4541 (321) and 1.4016 (430). Other grades are available upon request. For information on any technical specifications, please enquire.

Many other sizes available, please call our sales team.

All weights shown are approximate.

Stainless Steel

Stainless sheet



2B



Dull Polished



Bright Annealed



Circle



Bright Polished

Thickness	Weight kg/m ²	Weight per sheet			
		2m x 1m	2.5m x 1.25m	3m x 1.5m	4m x 2m
6mm	48	96	150	216	
5mm	40	80	125	180	
4mm	32	64	100	144	
3mm	24	48	75	108	192
2.5mm	20	40	62.5	90	
2mm	16	32	50	72	128
1.5mm	12	24	37.5	54	
1.2mm	9.6	19.2	30	43.2	
0.9mm	7.2	14.4	22.5		
0.7mm	5.6	11.2	17.5		
0.5mm	4	8	12.5		

Stainless Sheet - Additional Information

- Grades available: 304 (1.4301), 316 (1.4401) and 430 (1.4016)
- Finishes available: 2B, dull polished, bright annealed and bright polished
- All with plastic coating on request
- Shearing facilities up to 6mm thick and up to 4m in length
- Decoiling also available on request

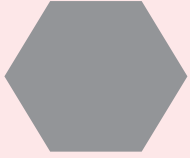
Stainless durbar



Size	Weight kg/m ²
3m x 1m x 3mm	25.49
3m x 1.25m x 4.5mm	38.7
3m x 1.25m x 6mm	49

Stainless Steel

Stainless steel hexagon



Size	Weight kg/m
0.193"	0.167
5mm	0.17
6mm	0.237
0.248"	0.272
0.250"	0.285
0.312"	0.43
8mm	0.436
0.324"	0.462
0.375"	0.614
10mm	0.68
0.413"	0.721
11mm	0.82
0.437"	0.834
0.445"	0.875
12mm	0.979
0.500"	1.102
13mm	1.148
0.525"	1.207
14mm	1.33
0.562"	1.387
15mm	1.53
0.600"	1.584
0.625"	1.712
17mm	1.96
0.687"	2.073
0.710"	2.201
19mm	2.447
0.750"	2.47
20mm	2.72
0.812"	2.893
0.820"	2.95
22mm	3.29

Size	Weight kg/m
0.875"	3.349
0.920"	3.701
0.937"	3.839
24mm	3.92
1.00"	4.375
1.01"	4.478
1.062"	4.941
27mm	4.98
1.100"	5.31
1.125"	5.551
30mm	6.12
1.200"	6.322
1.25"	6.846
32mm	6.963
1.300"	7.419
1.375"	8.284
1.390"	8.476
36mm	8.81
1.48"	9.61
1.500"	9.859
41mm	11.4
1.625"	11.57
42mm	11.995
1.670"	12.221
1.750"	13.24
46mm	14.4
1.860"	15.17
2.000"	17.533
50mm	17
2.050"	18.38
55mm	20.57
2.220"	22.1

Stainless Steel

Stainless pipe

We can offer a full range of pipe fittings & flanges to suit sizes as listed.



Size	Schedule	O/D	Wall thickness	Weight kg/m
1/8" NB	SCH 10	10.29mm	1.24	0.2822
	SCH 40		1.73	0.3708
	SCH 80		2.41	0.4753
1/4" NB	SCH 10	13.72mm	1.65	0.4983
	SCH 40		2.24	0.7690
	SCH 80		3.02	0.8106
3/8" NB	SCH 10	17.15mm	1.65	0.64
	SCH 40		2.31	0.8579
	SCH 80		3.2	1.1164
1/2" NB	SCH 5	21.34mm	1.65	0.812
	SCH 10		2.11	1.014
	SCH 40		2.77	1.285
	SCH 80		3.73	1.641
	SCH 160		4.75	1.977
3/4" NB	SCH 5	26.67mm	1.65	1.035
	SCH 10		2.11	1.014
	SCH 40		2.87	1.713
	SCH 80		3.91	2.231
	SCH 160		5.54	2.943
1" NB	XX HEAVY	33.40mm	7.82	3.697
	SCH 5		1.65	1.291
	SCH 10		2.77	2.1223
	SCH 40		3.38	2.541
	SCH 80		4.55	3.287
1.1/4" NB	SCH 160	42.16mm	6.35	4.301
	XX HEAVY		9.09	5.533
	SCH 5		1.65	1.675
	SCH 10		2.77	2.735
	SCH 40		3.56	3.444
1.1/2" NB	SCH 80	48.26mm	4.85	4.536
	SCH 160		6.35	5.70
	SCH 5		1.65	1.927
	SCH 10		2.77	3.158
	SCH 40		3.68	4.112
2" NB	SCH 80	60.33mm	5.08	5.498
	SCH 160		7.14	7.359
	SCH 5		1.65	2.423
	SCH 10		2.77	3.99
	SCH 40		3.91	5.527
XX HEAVY	SCH 80	60.33mm	5.54	7.596
	SCH 160		8.71	11.284
	XX HEAVY		11.07	13.646

Stainless Steel

Stainless pipe CONTINUED

We can offer a full range of pipe fittings & flanges to suit sizes as listed



Size	Schedule	O/D	Wall thickness	Weight kg/m
2.1/2" NB	SCH 5	73.03	2.11	3.745
	SCH 10		3.05	5.342
	SCH 40		5.16	8.765
3"	SCH 5	88.9	2.11	4.585
	SCH 10		3.05	6.557
	SCH 40		5.49	11.466
	SCH 80		7.62	15.509
	SCH 160		11.13	21.674
3.1/2" NB	SCH 5	101.6	2.11	-5.2493
	SCH 10		3.05	7.526
	SCH 40		5.74	13.778
	SCH 80		8.8	18.921
	XX HEAVY		15.24	28.109
4" NB	SCH 5	114.3	2.11	5.93
	SCH 10		3.05	8.496
	SCH 40		6.02	16.322
	SCH 80		8.56	22.665
	SCH 160		13.49	34.053
5" NB	SCH 5	141.3	2.77	9.599
	SCH 10		3.4	11.74
	SCH 40		6.55	22.101
	SCH 80		9.53	31.444
6" NB	SCH 5	168.28	2.77	11.4681
	SCH 10		3.4	14.039
	SCH 40		7.11	28.697
	SCH 80		10.97	43.212
	SCH 160		18.23	68.603
8" NB	SCH 5	219.08	2.77	14.9881
	SCH 10		3.76	20.274
	SCH 40		8.18	43.202
	SCH 80		12.7	65.637
10" NB	SCH 5	273.05	3.4	22.9694
	SCH 10		4.19	28.21
	SCH 40		9.28	61.23
	SCH 80S		12.7	97.29
12" NB	SCH 5	323.85	4.2	33.5291
	SCH 10		4.58	36.54
	SCH 40S		9.53	74.92
	SCH 80S		12.7	98.88
14" NB	SCH 10	355.6	6.35	55.5045
16" NB	SCH 10	406.4	6.35	63.578
18" NB	SCH 10	457.2	6.35	71.6515

Stainless Steel

Stainless flat bar

Size	Weight kg/m
12 x 3	0.285
15 x 3	0.355
20 x 3	0.474
25 x 3	0.593
30 x 3	0.712
40 x 3	0.948
50 x 3	1.19
60 x 3	1.42
65 x 3	1.58
75 x 3	1.79
100 x 3	2.38
12 x 5	0.474
15 x 5	0.593
20 x 5	0.785
25 x 5	0.981
30 x 5	1.12
40 x 5	1.58
50 x 5	1.97
60 x 5	2.38
65 x 5	2.55
75 x 5	2.94
100 x 5	3.96
12 x 6	0.569
15 x 6	0.704
20 x 6	0.942
25 x 6	1.18
30 x 6	1.42
40 x 6	1.89
45 x 6	2.13
50 x 6	2.36
60 x 6	2.85
65 x 6	3.1
75 x 6	3.55
80 x 6	3.77
100 x 6	4.71
125 x 6	5.89
150 x 6	7.07
200 x 6	9.42
20 x 8	1.27
25 x 8	1.58
30 x 8	1.89
40 x 8	2.53
50 x 8	3.14
60 x 8	3.77

Size	Weight kg/m
65 x 8	4.13
75 x 8	4.74
80 x 8	5.02
100 x 8	6.28
150 x 8	9.42
20 x 10	1.58
25 x 10	1.97
30 x 10	2.38
40 x 10	3.14
45 x 10	3.55
50 x 10	3.93
60 x 10	4.72
65 x 10	5.13
75 x 10	5.93
100 x 10	7.85
150 x 10	11.78
200 x 10	15.7
20 x 12	1.89
25 x 12	2.38
30 x 12	2.85
40 x 12	3.79
50 x 12	4.71
65 x 12	6.16
75 x 12	7.12
80 x 12	7.6
100 x 12	9.48
125 x 12	14.13
25 x 15	2.96
30 x 15	3.55
40 x 15	4.74
50 x 15	5.93
65 x 15	7.7
75 x 15	8.89
100 x 15	11.9
25 x 20	3.96
40 x 20	6.32
50 x 20	7.9
65 x 20	10.3
75 x 20	11.9
100 x 20	15.8
40 x 25	7.9
50 x 25	9.9
75 x 25	14.8
100 x 25	19.7

Stainless Steel

Stainless round bar



Size	Weight
3mm	0.055
1/8"	0.062
4mm	0.099
3/16"	0.14
5mm	0.154
6mm	0.222
1/4"	0.248
7mm	0.302
5/16"	0.388
8mm	0.395
9mm	0.499
3/8"	0.559
10mm	0.617
7/16"	0.761
12mm	0.888
1/2"	0.994
13mm	1.04
14mm	1.21
9/16"	1.26
15mm	1.39
5/8"	1.55
16mm	1.58
17mm	1.78
18mm	2
3/4"	2.24
20mm	2.47
13/16"	2.63
22mm	2.98
7/8"	3.04
24mm	3.55
25mm	3.85
1"	3.98
27mm	4.5
1 1/8"	5.03
30mm	5.55
1 1/4"	6.21
32mm	6.31

Size	Weight
1 3/8"	7.47
35mm	7.55
1 1/2"	8.94
40mm	9.86
1 5/8"	10.5
1 3/4"	12.18
45mm	12.48
1 7/8"	13.96
50mm	15.41
2"	15.9
2 1/8"	17.95
2 1/4"	20.13
60mm	22.2
2 3/8"	22.44
2 1/2"	24.85
2 5/8"	27.39
2 3/4"	30
3"	38
3 1/4"	44
3 1/2"	51
3 3/4"	58
4"	66
4 1/4"	71.8
4 1/2"	83
4 3/4"	93
5"	102
5 1/2"	120
6"	147
6 1/2"	172
7"	199
7 1/2"	223
8"	260
8 1/2"	293
9"	328
9 1/2"	358
10"	404

Stainless Steel

Stainless tube



Size	Weight kg/m
1/2" od x 16g/1.5mm	0.42
5/8" od x 18g	0.44
5/8" od x 16g/1.5mm	0.54
3/4" od x 18g	0.53
3/4" od x 16g/1.5mm	0.66
7/8" od x 18g	0.63
7/8" od x 16g/1.5mm	0.78
1" od x 18g	0.73
1" od x 16g/1.5mm	0.9
30mm od x 16g/1.5mm	1.02
30mm od x 2mm	1.4
1 1/4" od x 18g	0.92
1 1/4" od x 16g/1.5mm	1.13
1 1/2" od x 18g	1.11
1 1/2" od x 16g/1.5mm	1.38
1 1/2" od x 2mm	1.81
1 1/2" od x 3mm	2.64
2" od x 18g	1.49
2" od x 16g/1.5mm	1.85
2" od x 2mm	2.4
2" od x 3mm	7.43
3" od x 16g/1.5mm	2.81
4" od x 16g/1.5mm	3.76

Finishes available: bright polished, dull polished and descaled.

Stainless Steel

Stainless square bar



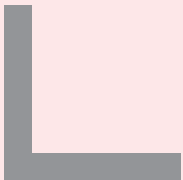
Size	Weight kg/m
1/4"	0.33
3/8"	0.72
10mm	0.785
12mm	1.13
1/2"	1.3
15mm	1.77
5/8"	2
3/4"	2.9
20mm	3.14
7/8"	
25mm	4.91
1"	5
30mm	7.06
1 1/4"	7.9
1 1/2"	11.3
40mm	12.6
1 3/4"	15.7
50mm	19.6
2"	20
2 1/2"	32
3"	46

Stainless box section



Size	Weight kg/m
15 x 15 x 1.2	0.53
15 x 15 x 1.5	0.65
20 x 20 x 1.2	0.74
20 x 20 x 1.5	0.91
20 x 20 x 2	0.88
25 x 25 x 1.2	0.95
25 x 25 x 1.5	1.18
25 x 25 x 2	1.55
25 x 25 x 3	1.49
30 x 30 x 1.2	1.16
30 x 30 x 1.5	1.43
30 x 30 x 2	1.37
30 x 30 x 3	1.84
40 x 40 x 1.2	1.52
40 x 40 x 1.5	1.82
40 x 40 x 2	2.49
40 x 40 x 3	3.67
50 x 50 x 1.5	2.39
50 x 50 x 2	3.16
50 x 50 x 3	4.65
60 x 60 x 3	5.55
80 x 80 x 2	5.15
80 x 80 x 3	7.65
100 x 100 x 2	6.41
100 x 100 x 3	9.51
100 x 100 x 5	15.38
20 x 10 x 1.5	0.626
40 x 20 x 1.5	1.37
50 x 25 x 1.5	1.83
50 x 30 x 1.5	1.85
60 x 40 x 1.5	2.33
80 x 40 x 2	3.71
80 x 40 x 3	5.55
100 x 50 x 2	4.68
100 x 50 x 3	7.07

Stainless angle



Size	Weight kg/m
20 x 20 x 3	0.88
25 x 25 x 3	1.12
25 x 25 x 5	1.78
25 x 25 x 6	2.09
30 x 30 x 3	1.35
30 x 30 x 5	2.17
30 x 30 x 6	2.53
40 x 40 x 3	1.83
40 x 40 x 5	2.96
40 x 40 x 6	3.49
50 x 50 x 3	2.36
50 x 50 x 5	3.79
50 x 50 x 6	4.46
60 x 60 x 6	5.4
65 x 65 x 6	5.95
75 x 75 x 6	6.89
75 x 75 x 10	11.5
80 x 80 x 6	7.37
80 x 80 x 10	11.8
100 x 100 x 6	9.3
100 x 100 x 10	15

Copper

ASC Metals Lincoln Ltd holds a range of copper in stock, including:

- Sheet
- Round bar
- Flat bar
- Square bar

We stock a wide range of standard sizes - the following pages list the most commonly requested items. We can also offer many non-standard products on request.

We provide a guillotining service for sheet and a bar-cutting service up to 305mm diameter. Polishing can also be arranged. To protect sheet surfaces, we can cover them in standard 2thou, 4thou, fibre laser thick poly-coating.

Copper is

- The most electrically conductive of any commercial metal
- A good thermal conductor
- Corrosion resistant
- Non-magnetic and non-sparking
- Hygienic
- Aesthetically pleasing
- Easy to fabricate
- Strong
- Good for springy applications

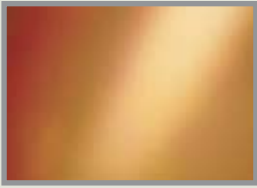
Copper's most common specifications are C101 and C106. Other grades are available upon request. For information on any technical specifications, please enquire.

Many other sizes available, please call our sales team.

All weights shown are approximate.

Copper

Copper sheet



Size (Imperial)	Weight per sheet
2m x 1m x 0.9mm	16
2m x 1m x 1.2mm	21.4
2m x 1m x 1.5mm	26.7
2m x 1m x 2mm	35.6
2m x 1m x 3mm	53.4
2m x 1m x 4mm	71.22
2m x 1m x 5mm	89.03
2m x 1m x 6mm	106.8

Copper round bar



Size	Weight kg/m
1/8"	0.07
3/16"	0.159
5mm	0.175
6mm	0.253
1/4"	0.282
5/16"	0.442
8mm	0.45
3/8"	0.637
10mm	0.703
7/16"	0.867
12mm	1.01
1/2"	1.13
9/16"	1.44
15mm	1.58
5/8"	1.76
11/16"	1.77
3/4"	2.55
20mm	2.82
22mm	3.4
7/8"	3.47
25mm	4.39
1"	4.54
1 1/8"	5.73

Size	Weight kg/m
30mm	6.33
1 1/4"	7.08
1 3/8"	8.52
35mm	8.61
1 1/2"	10.19
1 3/4"	13.89
2"	18
2 1/4"	22.8
2 1/2"	28.2
2 3/4"	34.1
3"	40.6
3 1/4"	45.3
3 1/2"	55.51
3 3/4"	63.74
4"	72.2
4 1/2"	91.77
5"	113.32
5 1/2"	136.8
6"	163.02
6 1/2"	190.38
7"	224.58
7 1/2"	254.22
8"	291.84

Copper

Copper flat bar

Size	Weight kg/m
1/2" x 1/8"	0.36
1/2" x 1/4"	0.72
3/4" x 1/8"	0.54
3/4" x 3/16"	0.8
3/4" x 1/4"	1.08
1" x 1/8"	0.72
1" x 3/16"	1.08
1" x 1/4"	1.43
1" x 3/8"	2.17
1" x 1/2"	2.85
1 1/4" x 1/8"	0.9
1 1/4" x 3/16"	1.35
1 1/4" x 1/4"	1.79
1 1/2" x 1/8"	1.08
1 1/2" x 3/16"	1.6
1 1/2" x 1/4"	2.15
1 1/2" x 3/8"	3.23
1 1/2" x 1/2"	4.31
1 1/2" x 3/4"	6.38
2" x 1/8"	1.43
2" x 3/16"	2.15
2" x 1/4"	2.87
2" x 3/8"	4.31
2" x 1/2"	5.74
2" x 3/4"	8.61
2" x 1"	11.4
3" x 1/8"	2.17
3" x 1/4"	4.33
3" x 1/2"	8.61
4" x 1/4"	5.7

Copper square bar

Size	Weight kg/m
3/8"	0.82
1/2"	1.48
5/8"	2.28
3/4"	3.31
7/8"	4.56
1"	5.7
1 1/4"	9
1 1/2"	12.88
2"	22.8
2 1/2"	35.91
3"	52.44

ASC Metals Lincoln Ltd holds a range of brass in stock, including:

- Sheet
- Angle
- Round bar
- Square
- Tube
- Flat
- Hexagon

We stock a wide range of standard sizes - the following pages list the most commonly requested items. We can also offer many non-standard products on request.

We provide a guillotining service for sheet and a bar-cutting service up to 305mm diameter. To protect sheet surfaces, we can cover them in standard 2thou, 4thou, fibre laser thick poly-coating.

Brass is

- Strong
- Ductile
- Hard
- Conductive
- Easy to machine
- Corrosion and wear resistant
- Aesthetically pleasing
- Cost effective
- Long lasting

Brass's most common specifications are CZ108 and CZ121. Other grades are available upon request. For information on any technical specifications, please enquire. The term "brass" covers a wide range of copper-zinc alloys with differing properties for different applications.

Many other sizes available, please call our sales team.

All weights shown are approximate.

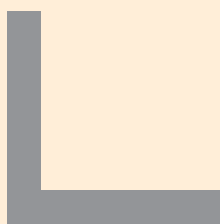
Brass

Brass sheet



Size	Weight per sheet
2m x 1m x 0.5mm	9.3
2m x 1m x 0.7mm	11.8
2m x 1m x 0.9mm	15.2
2m x 1m x 1.2mm	20.3
2m x 1m x 1.5mm	25.3
2m x 1m x 2mm	33.8
2m x 1m x 3mm	50.7
2m x 1m x 4mm	68.6
2m x 1m x 5mm	85.7
2m x 1m x 6mm	102.9
2438mm x 1219mm x 1.2mm	30.6
2438mm x 1219mm x 1.5mm	38.2
2438mm x 1219mm x 2mm	50.9
2438mm x 1219mm x 3mm	76.5

Brass angle



Size	Weight kg/m
1/2" x 1/2" x 1/16"	0.328
1/2" x 1/2" x 1/8"	0.615
3/4" x 3/4" x 1/16"	0.505
3/4" x 3/4" x 1/8"	0.94
1" x 1" x 1/16"	0.69
1" x 1" x 1/8"	1.29
1 1/4" x 1 1/4" x 1/8"	1.63
1 1/2" x 1 1/2" x 1/8"	1.97
1 1/2" x 1 1/2" x 3/16"	2.39
2" x 2" x 1/8"	2.66
2" x 2" x 3/16"	3.99
2" x 2" x 1/4"	5.14

Brass round bar



Dia.	Weight kg/m
1/8"	0.066
3/16"	0.151
5mm	0.166
6mm	0.239
1/4"	0.267
5/16"	0.419
8mm	0.426
3/8"	0.603
10mm	0.666
7/16"	0.821
12mm	0.959
1/2"	1.073
9/16"	1.36
15mm	1.5
5/8"	1.63
11/16"	2.03
3/4"	2.42
20mm	2.67
22mm	3.22
7/8"	3.28
25mm	4.16
1"	4.3
1 1/8"	5.43

Dia.	Weight kg/m
30mm	5.99
1 1/4"	6.71
1 3/8"	8.07
35mm	8.15
1 1/2"	9.66
1 3/4"	13.15
2"	17.17
2 1/4"	21.74
2 1/2"	26.84
2 3/4"	32.48
3"	38.62
3 1/4"	45.36
3 1/2"	52.59
3 3/4"	60.38
4"	68.71
4 1/2"	86.94
5"	107.35
5 1/2"	129.6
6"	154.44
6 1/2"	180.36
7"	212.76
7 1/2"	240.84
8"	276.48

Brass square



Size	Weight kg/m
1/4"	0.34
3/8"	0.77
1/2"	1.37
5/8"	2.14
3/4"	3.08
7/8"	4.2
1"	5.48
1.1/4"	8.57
1.1/2"	12.3
2"	21.9
2.1/2"	34
3"	49.4

Brass

Brass tube



OD	Wall thickness	Weight kg/m
1/2"	18swg	0.378
	16swg	0.48
5/8"	18swg	0.475
	16swg	0.626
3/4"	18swg	0.58
	16swg	0.75
	10swg	1.41
7/8"	16swg	0.83
	18swg	0.78
1"	16swg	1.03
	10swg	1.91
	18swg	1
1 1/4"	16swg	1.3
	10swg	2.55
	18swg	1.57
1 1/2"	16swg	1.57
	10swg	3.03
1 3/4"	16swg	1.85
	10swg	3.69
2"	16swg	2.2
	10swg	4.13
2 1/4"	16swg	2.48
	10swg	4.83
2 1/2"	16swg	2.67
	10swg	5.41
3"	16swg	3.22
	10swg	6.58
4"	16swg	4.47
	10swg	8.85

Brass flat

Size	Weight kg/m
1/2" x 1/8"	0.34
1/2" x 1/4"	0.69
3/4" x 1/8"	0.51
3/4" x 3/16"	0.77
3/4" x 1/4"	1.03
1" x 1/8"	0.69
1" x 3/16"	1.03
1" x 1/4"	1.37
1" x 3/8"	2.05
1" x 1/2"	2.7
1 1/4" x 1/8"	0.86
1 1/4" x 3/16"	1.3
1 1/4" x 1/4"	1.73
1 1/2" x 1/8"	1.03
1 1/2" x 3/16"	1.51
1 1/2" x 1/4"	2.05
1 1/2" x 3/8"	3.08
1 1/2" x 1/2"	4.1
1 1/2" x 3/4"	6.11
2" x 1/8"	1.35
2" x 3/16"	2.05
2" x 1/4"	2.7
2" x 3/8"	4.1
2" x 1/2"	5.4
2" x 3/4"	8.1
2" x 1"	11
3" x 1/8"	2.05
3" x 1/4"	4.1
3" x 1/2"	8.23
4" x 1/4"	5.4

Brass hexagon



Size	Weight kg/m
0.248 A/F	0.296
0.324 A/F	0.5
0.375 A/F	0.67
0.413 A/F	0.78
0.437 A/F	0.91
0.445 A/F	0.94
0.500 A/F	1.183
0.525 A/F	1.31
0.562 A/F	1.5
0.600 A/F	1.71
0.625 A/F	1.85
0.700 A/F	2.31
0.750 A/F	2.67
0.820 A/F	3.19
0.875 A/F	3.69
0.920 A/F	4.02
0.937 A/F	4.21
1.01 A/F	4.84
1.062 A/F	5.36
1.1 A/F	5.7
1.3 A/F	8.03
1.48 A/F	10.4
1.67 A/F	13.2
1.86 A/F	16.4

Some metric sizes are available

Phosphor Bronze

ASC Metals Lincoln Ltd holds a range of phosphor bronze in stock, including:

- Hollow bar
- Round bar

We stock a wide range of standard sizes - the following pages list the most commonly requested items. We can also offer many non-standard products on request.

Billet and cutting to length services up to 305mm diameter and special order castings are available.

Phosphor bronze is

- Corrosion resistant
- A good conductor of electricity
- A good thermal conductor
- Good for bearings, bushes and gears
- Non-magnetic
- Easy to machine

Phosphor bronze's most common specifications are PBI, PBI02 and SAE 660 (leaded bronze). Other grades are available upon request. For information on any technical specifications, please enquire.

Many other sizes available, please call our sales team.

All weights shown are approximate.

Phosphor Bronze

Phosphor bronze hollow bar



Size	Weight kg/m
1" od x 1/2" id	3.94
1 1/4" od x 1/2" id	6.56
1 1/2" od x 1/2" id	9.84
1 1/2" od x 3/4" id	8.53
1 1/2" od x 1" id	6.56
1 3/4" od x 3/4" id	12.6
1 3/4" od x 1" id	10.17
2" od x 3/4" id	16.89
2" od x 1" id	14.76
2" od x 1 1/2" id	9.19
3" od x 1" id	38.06
3" od x 1 1/2" id	32.48
3" od x 2" id	24.61
3 1/2" od x 1" id	53.15
3 1/2" od x 1 1/2" id	47.57
3 1/2" od x 2" id	39.70
3 1/2" od x 2 1/2" id	29.53
4" od x 1" id	71.52
4" od x 1 1/2" id	66.22
4" od x 2" id	58.07
4" od x 3" id	35.43

Phosphor bronze round bar



Size	Weight kg/m
1/2"	1.31
5/8"	1.97
3/4"	2.95
7/8"	3.94
1"	4.92
1 1/8"	6.23
1 1/4"	7.55
1 1/2"	10.83
1 3/4"	14.44
2"	19.03
2 1/4"	23.95
2 1/2"	29.2
2 3/4"	35.76
3"	42.32
3 1/4"	49.54
3 1/2"	57.09
4"	75.79
4 1/2"	95.80
5"	118.11
6"	169.29
7"	230