

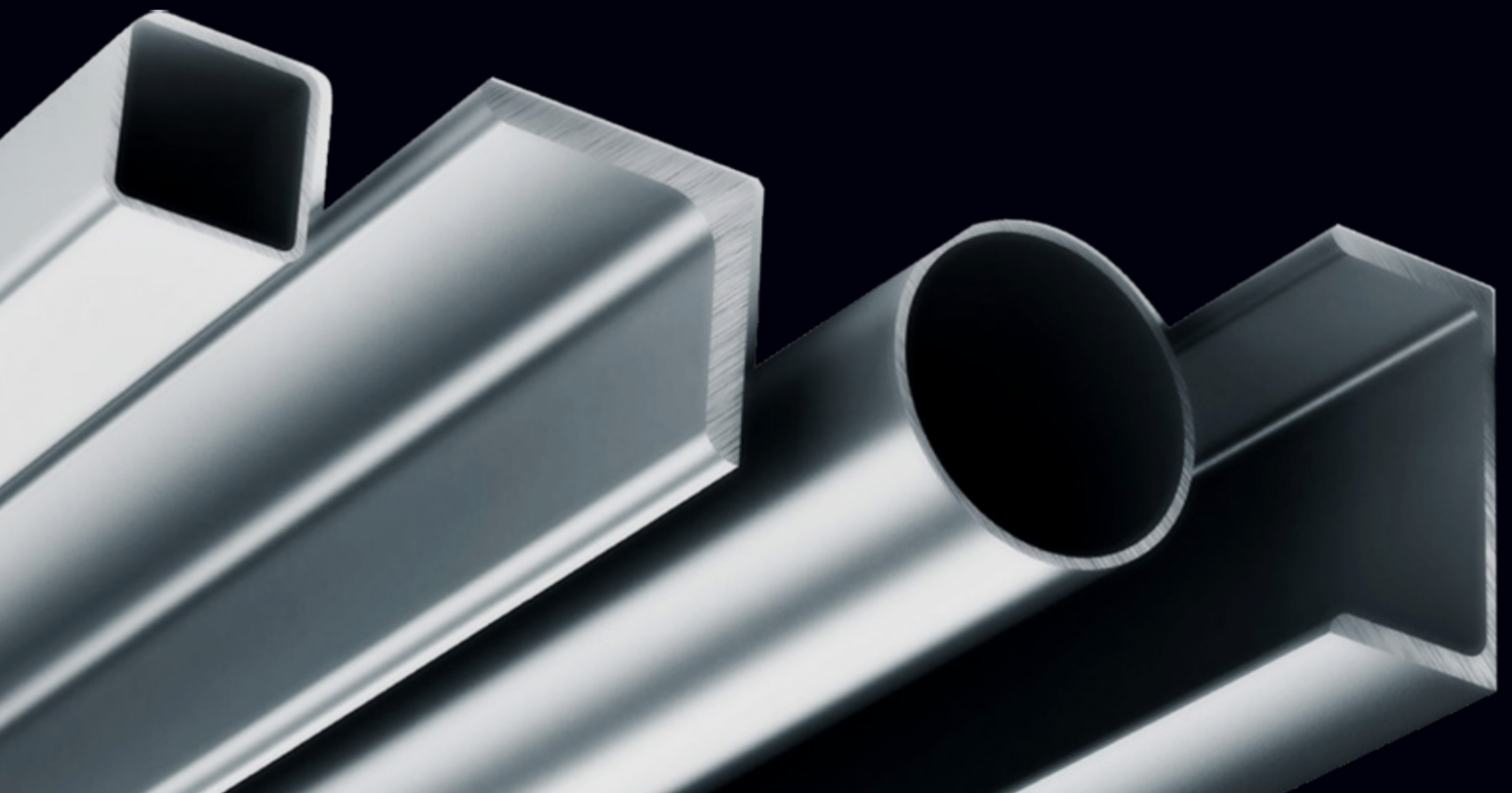
PAYNES ALUMINIUM LTD

ALUMINIUM SHEET AND EXTRUSION SPECIALISTS

Product Catalogue

2022

www.paynes.co.nz



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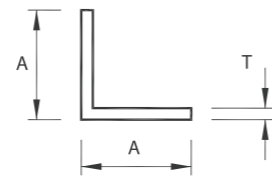
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Equal Angles



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
10-10010	12.00	1.65	0.100	100
10-10030	12.00	3.00	0.170	100
10-10050	16.00	1.50	0.125	100
10-10070	20.00	1.50	0.158	100
10-10110	20.00	3.00	0.303	100
10-10130	25.00	1.60	0.210	100
10-10170	25.00	3.00	0.382	100
10-10220	25.40	1.59	0.214	100
10-10240	25.40	4.78	0.600	102
10-10260	25.40	6.00	0.728	102
10-10280	30.00	3.00	0.463	120
10-10300	30.00	5.00	0.745	120
10-10340	31.75	3.00	0.490	127
10-10380	31.80	1.50	0.254	128
10-10440	38.10	4.50	0.871	152
10-10460	40.00	1.40	0.300	160

A = Width/Height T = Thickness

Finish - Mill finish

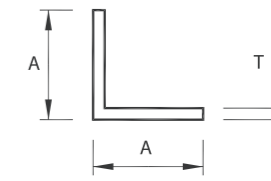
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Equal Angles



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
10-10480	40.00	1.60	0.339	160
10-10500	40.00	3.00	0.624	160
10-10540	40.00	5.00	1.016	160
10-10560	40.00	6.00	1.203	160
10-10580	50.00	1.60	0.425	200
10-10620	50.00	3.00	0.792	200
10-10660	50.00	5.00	1.287	200
10-10680	50.00	6.00	1.584	200
10-10740	60.00	2.00	0.640	240
10-10780	60.00	6.00	1.854	240
10-10820	75.00	3.00	1.204	300
10-10900	75.00	6.00	2.341	300
10-10960	76.20	3.00	1.210	305
10-11040	76.20	9.52	3.679	305
10-11100	100.00	4.00	2.117	400
10-11120	100.00	6.00	3.154	400

A = Width/Height T = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

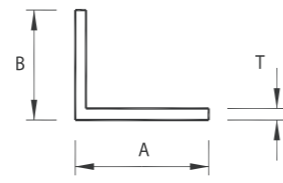
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Unequal Angles



Order Code	A (mm)	B (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
11-10020	20.00	12.00	1.50	0.125	100
11-10040	20.00	12.00	3.00	0.238	100
11-10060	25.00	12.00	1.50	0.144	100
11-10080	25.00	12.00	3.00	0.275	100
11-10100	25.00	20.00	1.50	0.177	100
11-10120	25.00	20.00	2.50	0.288	100
11-10140	25.40	12.70	3.00	0.284	100
11-10160	30.00	25.00	2.00	0.287	110
11-10180	32.00	20.00	1.50	0.205	104
11-10200	32.00	25.00	3.00	0.437	114
11-10220	38.00	19.00	1.60	0.239	114
11-10240	38.00	25.00	3.00	0.486	128
11-10260	40.00	12.00	3.00	0.398	104
11-10300	40.00	20.00	1.60	0.256	120
11-10320	40.00	20.00	3.00	0.467	120
11-10340	40.00	25.00	1.50	0.260	130
11-10360	40.00	25.00	3.00	0.508	130
11-10380	50.00	20.00	1.50	0.278	140
11-10400	50.00	20.00	3.00	0.545	140

A = Width B = Height T = Thickness

Finish - Mill finish

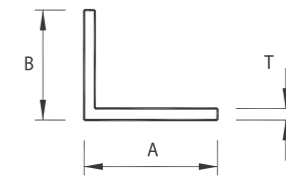
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Unequal Angles



Order Code	A (mm)	B (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
11-10420	50.00	25.00	1.50	0.301	150
11-10440	50.00	25.00	3.00	0.585	150
11-10460	60.00	25.00	3.00	0.667	170
11-10485	65.00	29.00	3.00	0.770	188
11-10500	70.00	25.00	1.50	0.380	190
11-10520	70.00	40.00	1.50	0.441	220
11-10540	75.00	25.00	3.00	0.789	200
11-10560	75.00	50.00	3.00	0.999	250
11-10580	75.00	50.00	6.00	1.935	250
11-10585	76.20	25.40	3.18	0.845	203
11-10600	80.00	40.00	3.00	0.958	240
11-10620	90.00	40.00	1.40	0.486	260
11-10640	100.00	25.00	3.00	0.999	250
11-10660	100.00	50.00	3.00	1.195	300
11-10680	100.00	50.00	6.00	2.388	300
11-10710	150.00	50.00	2.50	1.338	405
11-10720	150.00	75.00	6.00	3.561	450
11-10740	200.00	100.00	10.00	7.830	600

A = Width B = Height T = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

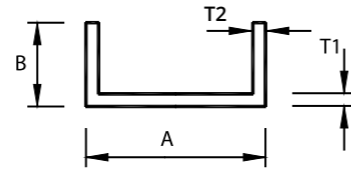
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Channels



Order Code	A (mm)	B (mm)	T1 (mm)	T2 (mm)	Mass (Kg/m)	Perimeter (mm)
12-10360	16.00	16.00	1.60	1.60	0.197	100
12-10380	18.70	18.00	1.65	1.65	0.288	100
12-10400	20.00	20.00	3.00	3.00	0.439	114
12-10405	20.00	23.00	1.50	1.50	0.260	129
12-10420	25.00	25.00	1.50	1.50	0.295	147
12-10440	25.00	25.00	3.00	3.00	0.559	144
12-10460	25.00	40.00	3.00	3.00	0.805	204
12-10480	25.00	50.00	3.00	3.00	0.975	244
12-10500	32.00	25.00	3.00	3.00	0.618	158
12-10520	36.00	36.00	2.50	2.50	0.703	211
12-10540	40.00	12.00	3.00	3.00	0.475	122
12-10560	40.00	20.00	1.60	1.60	0.335	157
12-10580	40.00	20.00	3.00	3.00	0.599	154
12-10600	40.00	25.00	3.00	3.00	0.682	174
12-10620	50.00	15.00	3.00	3.00	0.601	158
12-10640	50.00	25.00	3.00	3.00	0.761	194
12-10660	50.00	50.00	3.00	3.00	1.166	294
12-10680	50.80	25.40	3.00	3.00	0.820	200
12-10700	57.00	15.00	3.00	3.00	0.656	106
12-10715	74.00	40.00	3.00	3.00	1.204	302
12-10720	76.20	25.40	3.00	3.00	0.967	244

A = Width B = Height T1 = Thickness Base T2 = Thickness Legs

Finish - Mill finish

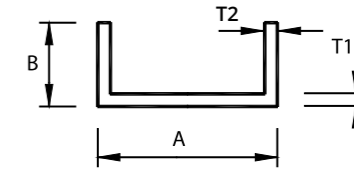
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

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Channels



Order Code	A (mm)	B (mm)	T1 (mm)	T2 (mm)	Mass (Kg/m)	Perimeter (mm)
12-10780	80.00	40.00	3.00	3.00	1.252	314
12-10800	100.00	25.00	3.00	3.00	1.171	294
12-10820	100.00	50.00	3.00	3.00	1.577	394
12-10860	101.60	50.80	6.35	6.35	3.278	387
12-10920	152.40	76.20	6.35	6.35	6.378	597

A = Width B = Height T1 = Thickness Base T2 = Thickness Legs

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Shower Channel

Order Code	A (mm)	B (mm)	T1 (mm)	T2 (mm)	Mass (Kg/m)	Perimeter (mm)
12-10200	17.60	18.40	1.80	1.80	0.247	103
12-10220	18.00	25.00	2.00	2.00	0.349	132

A = Width B = Height T1 = Thickness Base T2 = Thickness Legs

Finish - Available in **Bright Polished, Matt Black & Silver Anodised**

Grade - 6060 or 6063

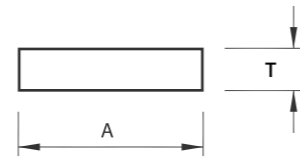
Temper - T5

Length - Stocked in 2.1, 2.5 & 3.0m

- Not all items will be available at all times - Please check with your local branch for current availability



Flat Bars



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
13-10010	10.00	3.00	0.081	100
13-10020	12.00	3.00	0.097	100
13-10040	12.00	6.00	0.194	100
13-10080	20.00	3.00	0.162	100
13-10120	20.00	6.00	0.326	100
13-10130	25.00	1.60	0.108	100
13-10140	25.00	3.00	0.203	100
13-10150	25.00	5.00	0.339	100
13-10160	25.00	6.00	0.405	100
13-10180	25.00	10.00	0.678	100
13-10220	25.40	4.75	0.326	100
13-10260	30.00	3.00	0.244	100
13-10270	30.00	5.00	0.407	100
13-10280	30.00	6.00	0.488	100
13-10400	40.00	3.00	0.324	100
13-10420	40.00	6.00	0.648	100
13-10440	40.00	10.00	1.080	100
13-10460	40.00	12.00	1.301	104
13-10500	50.00	3.00	0.407	106
13-10520	50.00	4.00	0.542	108
13-10540	50.00	5.00	0.678	110
13-10560	50.00	6.00	0.814	112
13-10580	50.00	10.00	1.356	120
13-10585	50.00	12.00	1.624	124

A = Width T = Thickness

Finish - Mill finish

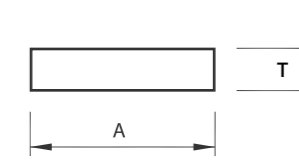
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Flat Bars



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
13-10600	50.00	20.00	2.710	140
13-10610	50.00	25.00	3.322	150
13-10620	50.80	25.40	3.572	152
13-10640	60.00	3.00	0.488	126
13-10660	60.00	6.00	0.976	132
13-10680	60.00	10.00	1.626	140
13-10700	65.00	6.00	1.053	142
13-10740	75.00	6.00	1.220	162
13-10760	75.00	10.00	2.025	170
13-10770	75.00	12.00	2.448	174
13-10780	76.20	3.00	0.624	158
13-10860	80.00	6.00	1.296	172
13-10880	100.00	3.00	0.810	206
13-10900	100.00	5.00	1.360	210
13-10920	100.00	6.00	1.620	212
13-10940	100.00	10.00	2.720	220
13-10960	100.00	12.00	3.240	224
13-10980	125.00	6.00	2.033	262
13-11000	125.00	10.00	3.388	270
13-11040	150.00	6.00	2.440	310
13-11060	150.00	12.00	4.880	324
13-11100	200.00	10.00	5.440	420
13-11120	300.00	10.00	8.160	620

A = Width T = Thickness

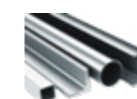
Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

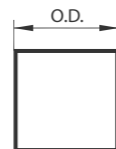
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Square Bars



Order Code	O.D (mm)	Mass (Kg/m)	Perimeter (mm)
14-10040	12.70	0.437	100
14-10050	15.88	0.680	100
14-10080	19.05	0.983	100
14-10120	25.00	1.694	100
14-10160	31.75	2.732	127
14-10180	38.10	3.934	152
14-10190	40.00	3.110	160

O.D. = Outside Diameter

Finish - Mill finish

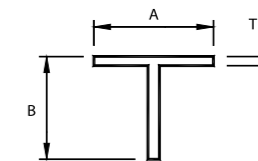
Grade - 6061 - Alternative grades may be available

Temper - T6 - Alternative temper's may be available

Length - Stocked in 3.6 and/or 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Tee Bars



Order Code	A (mm)	B (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
15-10600	25.00	25.00	3.00	0.382	100
15-10640	40.00	20.00	1.50	0.238	120
15-10670	40.00	40.00	5.00	1.016	160
15-10730	50.00	50.00	3.00	0.786	200
15-10750	50.00	50.00	5.00	1.287	200
15-10770	50.00	100.00	6.00	2.369	300
15-10780	63.50	63.50	6.35	2.123	254
15-10800	75.00	75.00	6.00	2.320	300

A = Width **B** = Height **T** = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

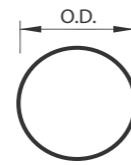
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Solid Rounds



Order Code	O.D (mm)	Mass (Kg/m)	Perimeter (mm)
18-10020	6.10	0.077	100
18-10040	6.35	0.086	100
18-10060	8.00	0.136	100
18-10080	9.53	0.193	100
18-10100	12.70	0.343	100
18-10120	16.00	0.545	100
18-10140	20.00	0.851	100
18-10200	25.40	1.375	100
18-10220	27.00	1.546	100
18-10230	28.00	1.663	100
18-10240	31.80	2.146	100
18-10280	38.10	3.090	120
18-10300	41.28	3.613	130
18-10320	44.45	4.190	139

O.D. = Outside Diameter

Finish - Mill finish

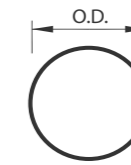
Grade - 6061 - Alternative grades may be available

Temper - T6 - Alternative temper's may be available

Length - Stocked in 3.6 and/or 5.0m - Alternative lengths may be available

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Solid Rounds



Order Code	O.D (mm)	Mass (Kg/m)	Perimeter (mm)
18-10340	50.00	5.321	157
18-10380	54.00	6.206	170
18-10400	60.32	7.715	190
18-10440	66.68	9.427	220
18-10460	76.20	12.313	239
18-10480	88.90	16.759	279
18-10500	100.00	21.206	314
18-10550	115.00	28.148	361
18-10560	127.00	34.320	399
18-10570	140.00	41.720	440
18-10580	152.40	49.239	479
18-10600	165.00	57.733	518
18-10620	215.90	100.290	678
18-10640	281.94	168.47	886

O.D. = Outside Diameter

Finish - Mill finish

Grade - 6061 - Alternative grades may be available

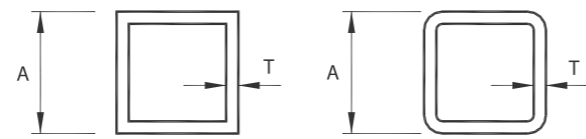
Temper - T6 - Alternative temper's may be available

Length - Stocked in 3.6 and/or 5.0m - Alternative lengths may be available

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Hollow Squares



Order Code	A (mm)	T (mm)	Edge	Mass (Kg/m)	Perimeter (mm)
16-10020	16.00	1.20	Radius	0.188	100
16-10040	19.00	1.20	Radius	0.243	100
16-10060	19.00	1.60	Square	0.301	100
16-10080	20.00	1.50	Square	0.300	100
16-10120	20.00	3.00	Square	0.600	100
16-10140	25.00	1.50	Radius	0.346	100
16-10150	25.00	1.60	Square	0.404	100
16-10160	25.00	1.60	Radius	0.404	100
16-10200	25.00	2.00	Radius	0.510	100
16-10205	25.00	2.00	Square	0.510	100
16-10210	25.00	3.00	Square	0.713	100
16-10220	25.00	3.00	Radius	0.700	100
16-10240	25.40	1.20	Square	0.315	102
16-10260	30.00	2.00	Radius	0.596	116
16-10280	30.00	3.00	Square	0.875	120
16-10300	32.00	3.00	Square	0.943	128
16-10320	33.90	1.45	Radius	0.498	131
16-10340	40.00	2.00	Square	0.824	160
16-10360	40.00	2.00	Radius	0.811	156
16-10380	40.00	3.00	Radius	1.203	155
16-10385	40.00	3.00	Square	1.203	160

A = Width/Height T = Thickness

Finish - Mill finish

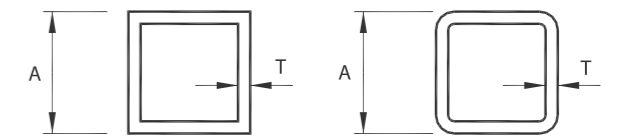
Grade - 6060 or 6063 - Alternative grade's may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Hollow Squares



Order Code	A (mm)	T (mm)	Edge	Mass (Kg/m)	Perimeter (mm)
16-10400	40.00	4.00	Radius	1.555	160
16-10418	40.00	5.00	Square	1.900	160
16-10420	40.00	5.00	Radius	1.883	156
16-10425	40.00	6.00	Square	2.211	160
16-10430	50.00	1.80	Square	0.937	200
16-10440	50.00	2.00	Radius	1.022	195
16-10450	50.00	3.00	Square	1.523	200
16-10460	50.00	3.00	Radius	1.510	195
16-10520	50.00	5.00	Square	2.411	200
16-10523	50.00	5.00	Radius	2.480	195
16-10540	57.00	3.00	Radius	1.672	218
16-10550	65.00	2.50	Square	1.694	260
16-10560	65.00	2.50	Radius	1.694	260
16-10580	75.00	3.00	Square	2.341	300
16-10590	75.00	3.00	Radius	2.341	300
16-10640	76.20	6.35	Radius	4.434	278
16-10660	80.00	6.00	Square	6.221	320
16-10700	100.00	3.00	Square	3.154	400
16-10710	100.00	3.00	Radius	3.077	400
16-10740	100.00	5.00	Square	5.129	400
16-10760	150.00	3.00	Square	4.815	600

A = Width/Height T = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

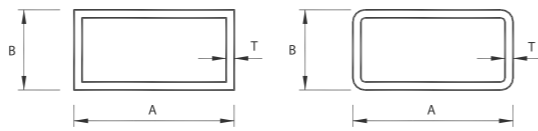
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Hollow Rectangles



Order Code	A (mm)	B (mm)	T (mm)	Edge	Mass (Kg/m)	Perimeter (mm)
17-10020	37.40	14.40	1.20	Square	0.310	100
17-10060	38.00	25.00	2.00	Radius	0.622	121
17-10065	38.00	25.00	2.00	Square	0.746	121
17-10080	40.00	20.00	3.00	Square	0.878	120
17-10120	50.00	25.00	1.60	Square	0.623	150
17-10150	50.00	25.00	2.00	Radius	0.751	145
17-10160	50.00	25.00	3.00	Radius	1.101	145
17-10162	50.00	25.00	3.00	Square	1.118	150
17-10200	50.00	40.00	3.00	Square	1.366	180
17-10210	50.80	38.10	3.05	Square	1.363	178
17-10240	60.00	30.00	1.40	Radius	0.664	178
17-10280	60.00	40.00	2.00	Square	1.037	200
17-10290	60.00	40.00	2.50	Square	1.333	200
17-10300	60.00	40.00	3.00	Square	1.528	200
17-10325	65.00	16.00	1.50	Radius	0.627	159
17-10340	75.00	25.00	3.00	Square	1.526	200
17-10360	75.00	40.00	2.00	Square	1.203	229
17-10400	75.00	50.00	2.50	Square	1.626	250
17-10410	76.20	25.40	3.18	Radius	1.664	203
17-10440	80.00	40.00	3.00	Radius	1.846	235

A = Width B = Height T = Thickness

Finish - Mill finish

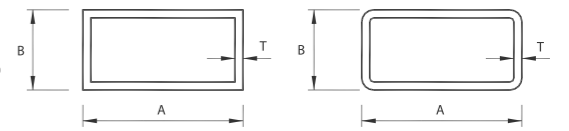
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Hollow Rectangles



Order Code	A (mm)	B (mm)	T (mm)	Edge	Mass (Kg/m)	Perimeter (mm)
17-10500	80.00	50.00	3.00	Radius	1.967	252
17-10530	97.00	57.00	3.00	Square	2.424	308
17-10536	100.00	16.00	1.60	Radius	0.974	227
17-10540	100.00	25.00	2.50	Square	1.626	250
17-10550	100.00	50.00	3.00	Square	2.341	300
17-10560	100.00	50.00	3.00	Radius	2.307	300
17-10580	100.00	50.00	4.00	Square	3.067	300
17-10600	100.00	50.00	6.00	Square	4.470	300
17-10610	100.00	50.00	6.00	Radius	4.332	300
17-10620	125.00	40.00	3.00	Radius	2.542	320
17-10630	125.00	50.00	6.00	Radius	5.160	336
17-10640	150.00	50.00	3.00	Square	3.154	400
17-10660	150.00	50.00	5.00	Square	4.975	400
17-10670	150.00	50.00	6.00	Radius	5.970	386
17-10680	150.00	75.00	5.00	Square	5.790	450
17-10720	200.00	50.00	2.00	Square	2.676	500
17-10740	200.00	50.00	3.00	Square	3.960	500
17-10760	200.00	100.00	3.00	Square	5.014	600
17-10780	250.00	50.00	3.00	Square	4.780	599
17-10800	300.00	50.00	3.00	Square	5.573	698

A = Width B = Height T = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

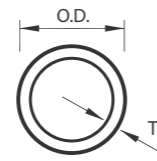
Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Hollow Rounds



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
19-10020	9.53	1.42	0.098	100
19-10060	12.70	1.45	0.136	100
19-10080	13.00	3.00	0.254	100
19-10100	13.20	2.50	0.232	100
19-10110	14.00	2.93	0.264	100
19-10120	15.88	1.42	0.174	100
19-10180	16.00	1.30	0.162	100
19-10190	16.00	3.00	0.322	100
19-10220	19.00	1.50	0.212	100
19-10260	19.05	1.22	0.193	100
19-10300	19.05	1.45	0.216	100
19-10340	20.00	1.60	0.251	100
19-10360	20.00	5.00	0.623	100
19-10390	22.00	3.00	0.499	100
19-10440	22.22	1.45	0.256	100
19-10500	25.00	3.00	0.562	100
19-10560	25.40	1.45	0.290	100
19-10620	30.00	3.00	0.687	100
19-10640	31.00	5.00	1.107	100
19-10680	31.75	1.40	0.366	100
19-10740	32.00	3.00	0.741	100
19-10750	32.00	5.50	1.236	100
19-10780	38.00	3.00	0.891	119
19-10800	38.00	3.50	1.080	119
19-10825	38.10	1.45	0.450	120

O.D. = Outside Diameter T = Thickness

Finish - Mill finish

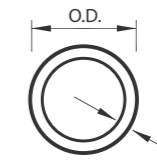
Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability

Hollow Rounds



Order Code	A (mm)	T (mm)	Mass (Kg/m)	Perimeter (mm)
19-10870	40.00	2.00	0.539	126
19-10880	40.00	3.00	0.942	126
19-10921	44.45	3.00	1.059	140
19-10940	45.00	2.00	0.729	141
19-10980	48.26	3.68	1.396	152
19-11000	48.40	2.60	1.014	152
19-11020	48.41	4.47	1.666	152
19-11030	50.00	1.50	0.623	157
19-11040	50.00	2.00	0.817	157
19-11060	50.00	3.00	1.209	157
19-11070	50.00	5.00	1.923	157
19-11180	57.00	3.00	1.371	179
19-11220	63.50	3.25	1.661	199
19-11260	63.50	6.35	2.940	199
19-11280	75.00	3.00	1.839	236
19-11340	76.20	6.35	3.776	239
19-11360	79.10	1.60	1.054	248
19-11380	85.00	2.50	1.756	265
19-11400	100.00	3.00	2.478	314
19-11440	100.00	6.00	4.802	314
19-11460	101.00	3.00	2.512	317
19-11500	150.00	3.00	3.837	471
19-11525	152.40	3.00	3.899	479
19-11530	177.80	1.80	3.088	558
19-11535	200.00	12.00	19.88	628

O.D. = Outside Diameter T = Thickness

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

- Not all items will be available at all times - Please check with your local branch for current availability



Coolstore

Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
22-10020	40mm Internal Angle	0.325	160	5.0
22-10040	50mm Internal Angle	0.400	197	5.0
22-10060	40mm External Angle	0.325	160	5.0
22-10080	50mm External Angle	0.397	196	5.0
22-10100	51mm x 25mm Capping Channel	0.397	196	5.0
22-10180	76mm x 38mm Capping Channel	0.616	304	5.0
22-10190	101mm x 38mm Capping Channel	0.718	354	5.0
22-10200	54 x 45 x 30mm Odd leg channel	0.511	255	5.0
22-10220	79 x 45 x 30mm Odd leg channel	0.614	305	5.0
22-10240	104 x 45 x 30mm Odd leg channel	0.714	355	5.0
22-10260	89mm x 25mm Door Capping Channel	0.806	277	5.0
22-10280	114mm x 25mm Door Capping Channel	0.975	327	5.0
22-10300	165mm x 25mm Door Capping Channel	1.544	428	5.0
22-10380	51mm Door Jamb	0.855	302	5.3
22-10390	76mm Door Jamb	0.971	333	5.3
22-10400	101mm Door Jamb	1.117	383	5.3
22-10500	Door Jamb Seal Black	-	-	150.0
22-10600	32mm x 130mm Sliding Door Track	2.666	419	5.6
22-10620	50mm x 97.1mm Sliding Door Track	2.604	451	5.0
22-10640	75mm Bottom Sliding Door Guide	1.123	339	5.0

Finish - Mill finish & Titania
Grade - 6060 or 6063
Temper - T5

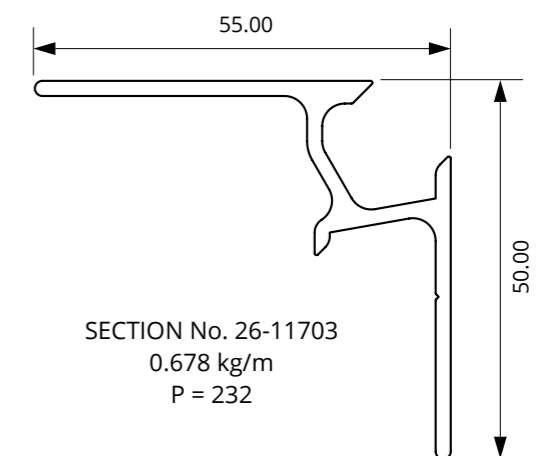
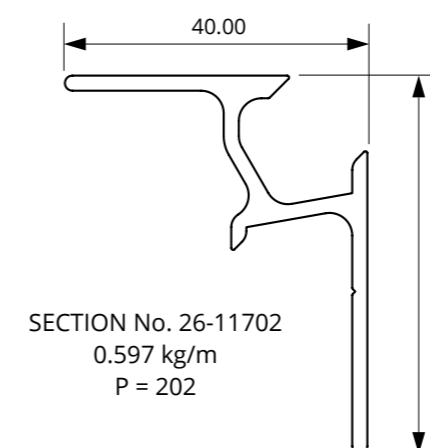
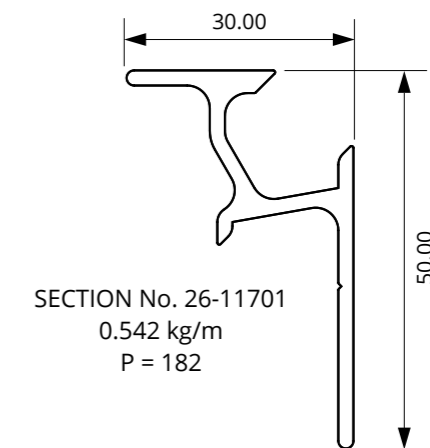
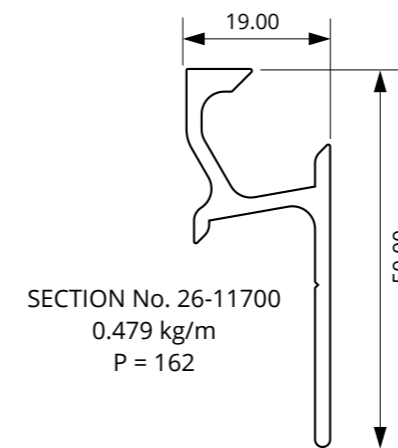
- Not all items will be available at all times - Please check with your local branch for current availability

Sill Support Bars

Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
26-11700	19 x 50mm Sill Support Bar	0.479	162	5.0
26-11701	30 x 50mm Sill support Bar	0.542	182	5.0
26-11702	40 x 50mm Sill Support Bar	0.597	202	5.0
26-11703	55 x 50mm Sill Support Bar	0.678	232	5.0
26-11704	55 x 50mm HD Sill Support Bar	0.838	227	5.0

Finish - Mill finish
Grade - 6060 or 6063
Temper - T5

- Not all items will be available at all times - Please check with your local branch for current availability

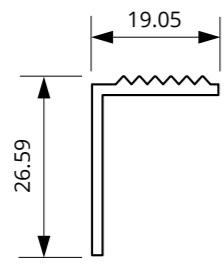


Stairtread & Nosings

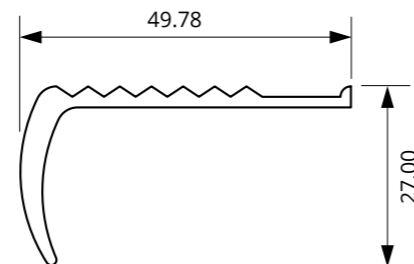
Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
27-11860	26.59 x 19.05mm Angle Serrated	0.211	100	5.0
27-11820	46.00 x 15.00mm Stair Nose Serrated	0.420	123	5.0
27-11830	28.00 x 51.20mm Step Edge	0.412	162	5.0
27-11840	27.00 x 49.78mm Serrated Step Edge	0.471	160	5.0

Finish - Mill finish
Grade - 6060 or 6063
Temper - T5

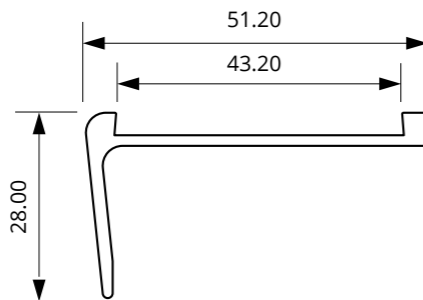
- Not all items will be available at all times - Please check with your local branch for current availability



SECTION No. 27-11860
0.211 kg/m



SECTION No. 27-11840
0.471 kg/m



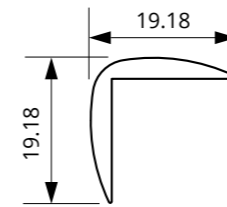
SECTION No. 27-11830
0.412 kg/m

Trims & Mouldings

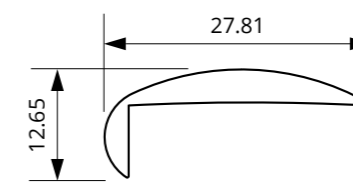
Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
28-10100	Cope Mould 19.18 x 19.18mm	0.196	100	5.0
28-10120	Cope Mould 27.81 x 12.65mm	0.292	100	5.0
28-10080	Cope Mould 34.93 x 14.29mm	0.344	100	5.0
28-10140	Drip Mould 24.00 x 12.50mm	0.149	100	5.0
28-10060	Perspex Capping 22.00 x 5.50mm	0.250	100	5.5
28-10040	Fibreglass Cap 12.70 x 3.96mm	0.172	100	5.0

Finish - Mill finish
Grade - 6060 or 6063
Temper - T5

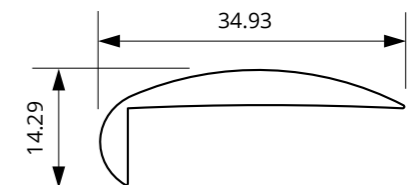
- Not all items will be available at all times - Please check with your local branch for current availability



SECTION No. 28-10100
0.196 kg/m



SECTION No. 28-10120
0.292 kg/m



SECTION No. 28-10080
0.344 kg/m

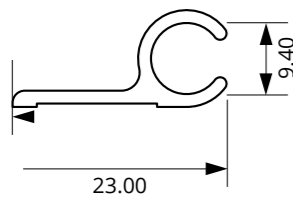


Awning

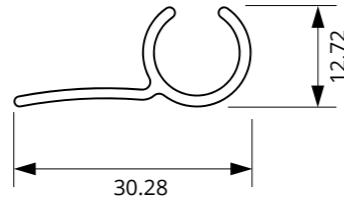
Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
29-12002	23.00 x 9.40mm Awning Track	0.228	100	5.0, 6.0
29-12003	30.28 x 12.72mm Awning Track	0.191	103	5.0, 6.0
29-12004	45.00 x 11.50mm Awning Track	0.299	138	5.0
29-12005	32.30 x 13.30mm Awning Track			5.0
29-12008	50.00 x 17.03mm Awning Track	0.561	160	5.0
29-12020	Awning Frame	0.385	126	6.0
29-12030	2 Way Awning Frame	0.711	220	6.0
29-12040	72mm Roller Tube	1.265	256	6.0

Finish - Mill finish
Grade - 6060 or 6063
Temper - T5

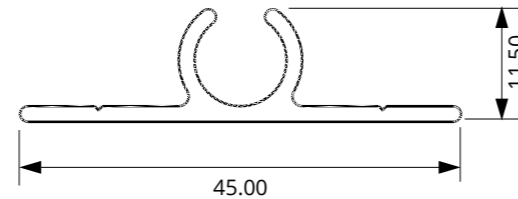
- Not all items will be available at all times - Please check with your local branch for current availability



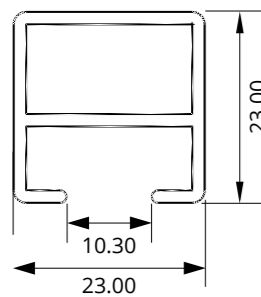
SECTION No. 29-12002
0.228 kg/m



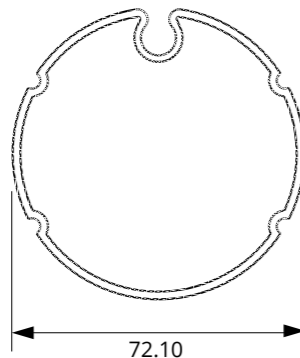
SECTION No. 29-12003
0.191 kg/m



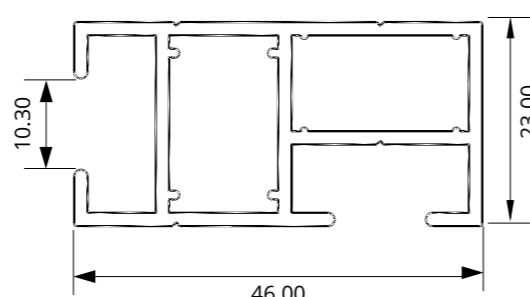
SECTION No. 29-12004
0.229 kg/m



SECTION No. 29-12020
0.385 kg/m



SECTION No. 29-12040
1.265 kg/m



SECTION No. 29-12030
0.711 kg/m

Scaffolding

Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
19-10980	48.26 x 3.68mm Tube 6061 T6	1.396	152	5.0, 6.0
19-11000	48.40 x 2.60mm Tube 6061 T6	1.014	152	6.0
19-11020	48.40 x 4.47mm Tube 6061 T6	1.666	152	6.0
19-11040	50.00 x 2.00mm Tube 6061 T6	0.817	157	6.0

Finish - Mill finish
Grade - 6061
Temper - T6

- Not all items will be available at all times - Please check with your local branch for current availability

Manufactured to Order

We manufacture **Scaffold Trusses, Aluminium Staircases & Aluminium Ladders**, please enquire at your local branch



Fence & Gate

Order Code	Description	Mass (Kg/m)	Perimeter (mm)
16-10270 A	30 x 2mm Box Square Punch 1 Side	0.580	120
16-10270 B	30 x 2mm Box Square Punch 2 Side	0.580	120
16-10370 A	40 x 2mm Box Square Punch 1 Side	0.792	160
16-10370 B	40 x 2mm Box Square Punch 2 Side	0.792	160
16-10040	19 x 1.2mm Box Radius (for Square Punch)	0.243	100
16-10270 C	30 x 2mm Box Round Punch 1 Side	0.580	120
16-10270 D	30 x 2mm Box Round Punch 2 Side	0.580	120
16-10370 C	40 x 2mm Box Round Punch 1 Side	0.792	160
16-10370 D	40 x 2mm Box Round Punch 2 Side	0.792	160
19-10300	19.05 x 1.45mm Tube (for Round Punch)	0.216	100
16-10480 Rad	50 x 3mm Box 6061 T6	1.510	195
17-10500 Rad	80 x 50 x 3mm RHS 6061 T6	1.967	252
42-11704	14.8mm Tongue & Groove Slat	0.676	247
12-10380	18.70 x 18.00 x 1.65mm T&G Fixing Channel	0.288	100
17-10325	65 x 16 x 1.5mm RHS Fence Slat	0.627	159
17-10535	100 x 16 x 1.6mm RHS Fence Slat	0.974	227
12-10405	20 x 23 x 1.5mm Slat Fixing Channel	0.260	126
42-11701	20mm Fencing Tube with Screw Ports	0.196	100
42-11706	75 x 50mm Gate Insert Frame	1.600	243
42-11707	60 x 18mm Gate Roller Track	0.797	167
42-13301	50 x 2mm Box w/screw ports	1.273	195
42-15001	43.80 x 43.80 Joints/Spigot Channel	1.021	253
42-20010	90 x 12mm Aerofoil Louvre	0.793	185
42-20020	120 x 16mm Aerofoil Louvre	1.117	245
42-20040	150 x 30mm Aerofoil Louvre	1.954	311

Finish - Mill finish

Grade - 6060 or 6063 - Alternative grades may be available

Temper - T5 - Alternative temper's may be available

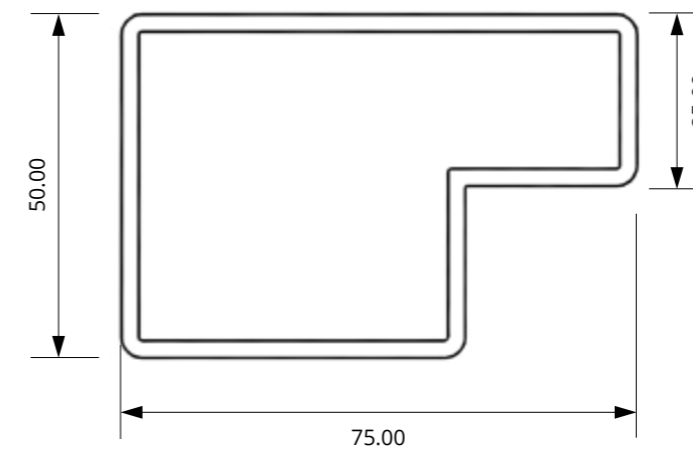
Length - Stocked in 5.0 and/or 6.0m - Alternative lengths may be available

Punched - Stocked in 2.4m lengths. Hole size 19.50mm round & square at 105mm centres

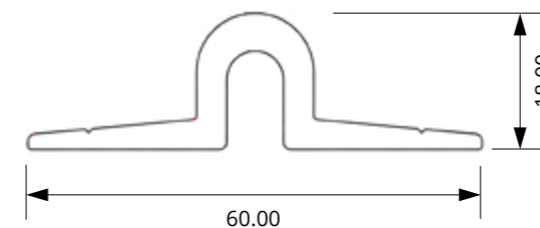
Note - Full range of round tubes & box sections to compliment your requirements - Please refer to geometric shapes sections

- Not all items will be available at all times - Please check with your local branch for current availability

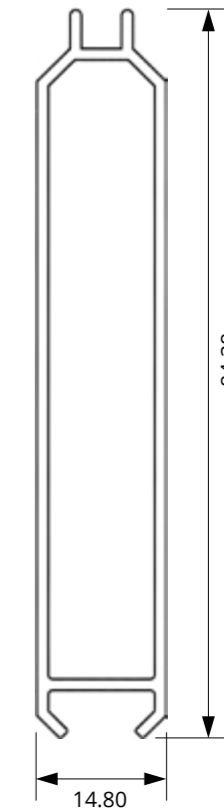
Fence & Gate



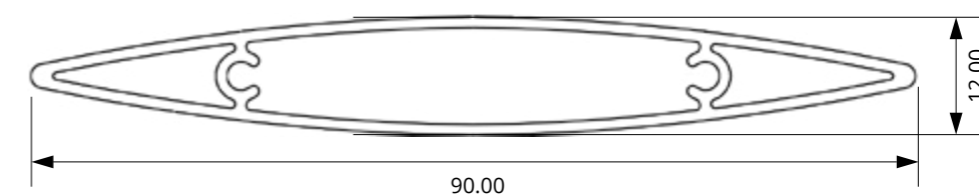
SECTION No. 42-11706
1.600 kg/m



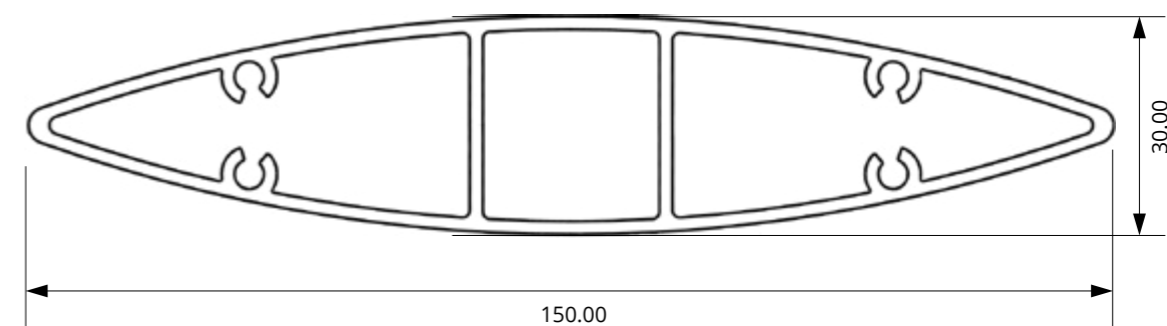
SECTION No. 42-11707
0.797 kg/m



SECTION No. 42-11704
0.676 kg/m



SECTION No. 42-20010
0.793 kg/m



SECTION No. 42-20040
1.954 kg/m



5005 - Sheet

General Purpose

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
35-00004	0.7	900 x 2400	4.11
35-00002	0.7	1200 x 2400	5.48
35-00028	0.9	1200 x 2400	7.05
35-00032	0.9	1200 x 3600	10.57
35-00053	1.2	1200 x 2400	9.40
35-00058	1.2	1200 x 3600	14.10
35-00100	1.6	1200 x 2400	12.53
35-00107	1.6	1200 x 3000	15.67
35-00109	1.6	1200 x 3600	18.80
35-00202	2.0	1200 x 2400	15.67
35-00205	2.0	1200 x 3600	23.41
35-00209	2.0	1500 x 3000	24.48
35-00210	2.0	1500 x 3600	29.38
35-00301	3.0	1200 x 2400	23.50
35-00302	3.0	1200 x 3600	35.25
35-00303	3.0	1500 x 3600	44.06
35-00400	6.0	1200 x 2400	47.00

Finish - Mill finish

Grade - 5005

Temper - H32

Weight - Weights are approximate

Coating - Most stock available with a single side PE protective coating

- Not all items will be available at all times - Please check with your local branch for current availability

5052 - Sheet

Marine Grade

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
36-00002	0.7	900 x 2400	4.11
36-00020	1.6	1200 x 2400	12.53
36-00022	1.6	1200 x 3600	18.80
36-00058	2.0	1200 x 2400	15.67
36-00072	2.0	1500 x 3600	29.38
36-00104	2.5	1200 x 2400	19.58
36-00116	2.5	1200 x 4800	39.16
36-00152	3.0	1200 x 2400	23.45
36-00158	3.0	1200 x 3000	29.38
36-00160	3.0	1200 x 3600	35.25
36-00162	3.0	1200 x 4800	47.00
36-00168	3.0	1500 x 3000	36.72
36-00174	3.0	1500 x 3600	44.06
36-00186	3.0	1830 x 2500	37.33
36-00192	3.0	1830 x 6100	91.09
36-00195	3.0	2000 x 4000	65.04
36-00200	4.0	970 x 2760	29.13
36-00208	4.0	1200 x 2400	31.33
36-00220	4.0	1830 x 4800	95.57
36-00254	5.0	1200 x 2400	39.17
36-00270	6.0	1200 x 2400	47.00

Finish - Mill finish

Grade - 5052

Temper - H32

Weight - Weights are approximate

Coating - Most stock available with a single side PE protective coating

- Not all items will be available at all times - Please check with your local branch for current availability



5083 - Sheet

Hard Marine & Transport

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
37-00050	3.0	1200 x 2400	23.50
37-00062	3.0	1830 x 6100	91.09
37-00104	4.0	1200 x 2400	31.33
37-00108	4.0	1200 x 4800	62.66
37-00114	4.0	1200 x 7100	92.70
37-00118	4.0	1200 x 8200	107.06
37-00128	4.0	1530 x 5000	83.23
37-00130	4.0	1530 x 7500	124.85
37-00132	4.0	1530 x 10200	169.79
37-00134	4.0	1830 x 4800	95.57
37-00136	4.0	1830 x 6100	121.45
37-00145	4.0	1830 x 8000	158.70
37-00202	5.0	1200 x 2400	39.17
37-00208	5.0	1200 x 4800	78.34
37-00210	5.0	1200 x 6100	99.55
37-00212	5.0	1200 x 7100	115.87
37-00220	5.0	1250 x 6500	110.50
37-00224	5.0	1530 x 5000	104.04

Note - 16, 20, 25, 32, 40, 50, 60 & 80mm also available in various size

Finish - Mill finish

Grade - 5083

Temper - H321

Weight - Weights are approximate

Coating - Most stock available with a single side PE protective coating

- Not all items will be available at all times - Please check with your local branch for current availability

5083 - Sheet

Hard Marine & Transport

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
37-00228	5.0	1830 x 6100	151.82
37-00229	5.0	1830 x 8000	198.37
37-00230	5.0	2000 x 6100	165.92
37-00302	6.0	1200 x 2400	47.00
37-00308	6.0	1200 x 6100	119.46
37-00312	6.0	1200 x 7100	139.05
37-00330	6.0	1830 x 6100	182.18
37-00351	8.0	1200 x 2400	62.67
37-00353	8.0	1200 x 4860	126.90
37-00360	10.0	1200 x 2400	78.34
37-00362	10.0	1200 x 4800	156.68
37-00368	10.0	1250 x 4800	163.20
37-00375	10.0	1830 x 6100	302.52
37-00381	12.0	1200 x 2400	94.00
37-00394	12.0	1830 x 6100	364.36

Note - 16, 20, 25, 32, 40, 50, 60 & 80mm also available in various size

Finish - Mill finish

Grade - 5083

Temper - H321

Weight - Weights are approximate

Coating - Most stock available with a single side PE protective coating

- Not all items will be available at all times - Please check with your local branch for current availability



5052 - Standard Treadplate

5 Bar Pattern

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
38-10010	1.6	1200 x 2400	13.36
38-10015	1.6	1500 x 2400	16.70
38-10020	2.0	1200 x 2400	16.70
38-10030	3.0	1200 x 2400	25.06
38-10055	3.0	1640 x 4800	68.49
38-10060	4.0	1200 x 2400	33.41
38-10095	4.0	1830 x 2400	50.95
38-10100	4.0	1830 x 4800	101.90
38-10115	5.0	1200 x 2400	41.76
38-10120	6.0	1200 x 2400	50.11
38-10125	8.0	1200 x 2400	66.82

Finish - Mill finish

Grade - 5052

Temper - O or H114

Weight - Weights are approximate

- Not all items will be available at all times - Please check with your local branch for current availability

5052 - Bright Propellor Plate

1 Bar Pattern

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
38-10210	1.6	1219 x 2438	13.79
38-10200	2.0	1200 x 2400	16.70
38-10205	3.0	1200 x 2400	25.06

Finish - Bright Polished

Grade - 5052

Temper - O or H114

Weight - Weights are approximate

- Not all items will be available at all times - Please check with your local branch for current availability

6061 - Sheet

Structural

Order Code	Thickness (mm)	Size (mm)	Weight (Kg)
39-90010	6.0	1200 x 2400	47.00
39-90015	8.0	1200 x 2400	63.00
39-90020	10.0	1200 x 2400	79.00

Finish - Mill finish

Grade - 6061

Temper - T6

Weight - Weights are approximate

- Not all items will be available at all times - Please check with your local branch for current availability

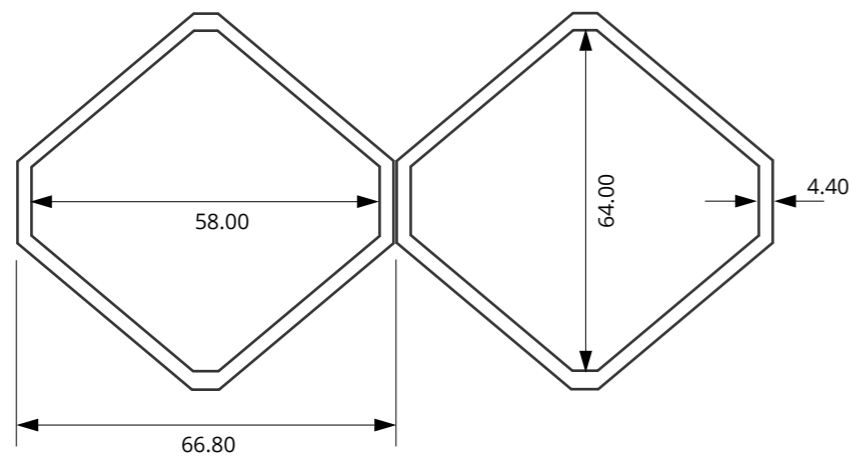


Security Mesh

Order Code	Description	Sheet Size (mm)	Weight (Kg)
40-10050	6.7 x 4.4mm Rod Security Mesh	1160 x 3980	15.89

Finish - Mill finish
Grade - 6061
Temper - T6

- Not all items will be available at all times - Please check with your local branch for current availability



Walkway

Expanded & Knurled Walkway Mesh

Order Code	Description	Weight (Kg/m)
52-20020	13mm Paynes Walkway Mesh @ 0.6 x 5.8m	25.00
52-20040	22mm Paynes Walkway Mesh @ 0.6 x 5.8m	33.00

Finish - Mill finish
Grade - 6063
Temper - T6
Weight - Weights are approximate

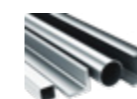
- Not all items will be available at all times - Please check with your local branch for current availability

Extrusion & Accessories for Walkway Mesh

Order Code	Description	Weight (Kg/m)
52-20500	Serrated H Joints for 13mm Walkway Mesh @ 5.8m	0.674
52-20520	Serrated Capping for 13mm Walkway Mesh @ 5.8m	0.353
52-20540	Odd Leg Support Channel for Walkway Mesh @ 5.8m	0.583
52-20700	Retaining Fixing Discs for Walkway Mesh	-

Finish - Mill finish
Grade - 6063
Temper - T6

- Not all items will be available at all times - Please check with your local branch for current availability



Honeycomb Structural Panel

Powdercoated Aluminum Skin With Aluminium Honeycomb Internal Structure

Order Code	Description	Thickness (mm)	Size (mm)	Weight (Kg)
33-30012	Honeycomb Silver/Silver	12.0	1500 x 3600	30.00
33-30050	Honeycomb Silver/Silver	25.0	1500 x 3600	40.00
33-30050	Honeycomb Black/Silver	25.0	1500 x 3600	40.00

Finish - Powdercoat silver both sides

Weight - Weights are approximate

Note - Firerated

- Not all items will be available at all times - Please check with your local branch for current availability

Extrusion & Accessories for Honeycomb Panel

Order Code	Description	Mass (Kg/m)	Perimeter (mm)	Length (m)
12-10360	16 x 16 x 1.6mm Capping Channel	0.197	100	5.0
12-10500	32 x 25 x 3mm Capping Channel	0.618	158	5.0

Finish - Mill Finish

Grade - 6060 or 6063

Temper - T5

- Not all items will be available at all times - Please check with your local branch for current availability

ACM/Signboard Panel

Powdercoated Aluminum Skin With Polyethylene Core

Order Code	Description	Thickness (mm)	Size (mm)	Weight (Kg)
33-10010	ACM Black/White	3.0	1220 x 2440	11.00
33-10016	ACM Black/White	4.0	1220 x 2440	15.00
33-10018	ACM Black/White	4.0	1500 x 3600	27.00

Finish - Powdercoat finish

Weight - Weights are approximate

- Not all items will be available at all times - Please check with your local branch for current availability



Anodes

Order Code	Description	Weight (Kg)
50-00008	2.0 kg Bolt on Aluminium Anode	2.00
50-00018	1.5kg Weld on Aluminium Anode	1.50

Note - Ship & Hull anodes also available

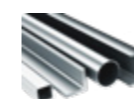
- Not all items will be available at all times - Please check with your local branch for current availability

Welding Wire

Order Code	Description	Weight (Kg)
51-10040	1.2mm 5356 Superglaze MIG	7.26
51-10048	2.4mm 5356 Tig	4.54

Note - Special order products also available

- Not all items will be available at all times - Please check with your local branch for current availability



Technical Information

Aluminium Grades

Grade	Description
1050	Is a moderate strength alloy known for its excellent corrosion resistance, high ductility and highly reflective finish. Common applications are lamp reflectors, architectural flashings, and chemical plant equipment
1100	Is a low strength commercially pure alloy with excellent corrosion resistance and workability. It can be welded, brazed & soldered. Common applications are spinning, reflectors, and general sheetmetal work
1200	Is a moderate strength commercially pure alloy with high corrosion resistance and thermal conductivity. Common applications are processing equipment, kitchenware, and general sheetmetal work
5005	A moderate strength alloy with very good resistance to atmospheric corrosion, with good weldability and anodising properties. Common applications are can-bodies, furniture, roofing, cladding, signage, and anodised parts
5052	Is a medium to high strength alloy that has very good corrosion resistance to marine & industrial atmosphere, very good weldability and cold formability. Common applications are boats, trucks, boilers, and road signs
5083	Is the highest strength of the non heat treatable alloys with exceptional performance in extreme environments. It is highly resistant to attack from seawater and industrial chemical environments. Retains exceptional strength after welding. Common applications are boats, trucks, vehicles, and trains
6005	Is a medium strength alloy with excellent corrosion resistance. Common application are formwork, tubing, furniture, ladders and pylons
6060	Is a medium strength alloy with very good corrosion resistance, weldability and anodising properties. Used for complex profiles. Common applications are architectural windows & doors, geometric shapes, interior fittings, and furniture
6061	Is a medium to high strength alloy with very good corrosion resistance and weldability. Not suitable for complex profiles. Common application are trucks, boats, bridges, aerospace, and pylons
6063	Is a medium strength alloy with good surface finish, high corrosion resistance and weldability. Commonly referred to as the architectural alloy. Used for intricate profiles. Common application are architectural windows & doors, shop fittings, balustrades, and geometric shapes
6082	Is the highest strength of 6000 alloys. The surface finish is not as good as 6060 or 6063 but has excellent corrosion resistance and weldability. Common applications are bridges, cranes, marine, and transport
6351	Is a high strength alloy with excellent corrosion resistance and weldability. Common applications are structural members, marine, road & transport

Technical Information

Extrusion & Rolled Tempers

Temper	Description
O	Fully Annealed, Soft

Extrusion Tempers

Temper	Description
T3	Solution heat treated, cold worked and then naturally aged
T4	Solution heat treated and then naturally aged
T5	Cooled from elevated temperature and then artificially aged
T6	Solution heat treated and then artificially aged
T651	Solution heat treated, stress relieved by stretching and then artificially aged
T7	Solution heat treated then stabilised
T8	Solution heat treated, cold works and then artificially aged

Rolled Tempers

Temper	Description
H111	Work hardened by shaping process but less than the amount required for H11
H112	Has some tempering from shaping but no control over amount of strain hardening or thermal treatment
H12	Work hardened to quarter hard
H14	Work hardened to half hard
H24	Work hardened and then partially annealed to half hard
H32	Work hardened and then stabilised by low-temperature heat treatment to quarter hard
H321	Strain hardened less than the required for a controlled H32 temper
H116	Special corrosion resistant temper
H34	Work hardened and then stabilised to half hard

While care has been taken to supply this information, it is intended to provide a general guideline only. It should not be your only source and we recommend you seek technical advice for the suitability of your intended use.



Technical Information

Bend Radii for 90 Degree Cold Forming of Sheet & Plate

Alloy	Temper	0.4 (mm)	0.8 (mm)	1.6 (mm)	3.0 (mm)	4.0 (mm)	6.0 (mm)	10.0 (mm)	12.0 (mm)
1200	H12	0	0	0	0.5	1	1	1.5	2
	H14	0	0	0	1	1	1.5	2	2.5
3003	O	0	0	0	0	0.5	1	1	1.5
5005	H32	0.5	1	1	1.5				
	H34	1	1.5	2	3				
5052	H32	0	0	0	0.5	1	1	1.5	1.5
5083	H321		2	2	2.25	2.25	2.5	3	3.25
	H116		2	2	3	3.5	4		
5251	H32	0	0	1	1.5	1.5	1.5	1.5	2
	H34	0	1	1.5	2	2	2.5	2.5	3
6061	T6	1	1	1.5	2.5	3	4	4.5	5

The radii listed are the recommended minimum for bending sheets and plates without fracturing in a standard press break. It is recommended that a test bend is carried out prior to commencing fabrication. This information supplied is for guide purposes only, specifics should be done in consultation with an engineer.

Tolerance

Unless otherwise specified the AS/NZS1866 and AS/NZS1734 industry standard's on tolerances apply. Special tolerances may be able to be specified in discussion with the mill.

Definition

The production of any manufactured product has limits of accuracy which are taken into consideration in the design and production process. It is expected that products are manufactured within acceptable deviation limits. These are what are known as tolerances and are generally expressed in a plus or minus fraction. For example the acceptable manufactured deviation of $1.5\text{mm} \pm 0.12\text{mm}$ is 1.38mm or 1.62mm.

Tolerances will differ between products, this is affected by shape, thickness, length, grade, temper and whether it is extruded or rolled.

Technical Information

Storing Aluminium

If storing aluminium for long periods of time it should be stored vertically indoors in a clean, dry, dust free environment with good air circulation.

Handling

To avoid surface damage, care is required when handling aluminium. Lengths of raw material should be interleaved with plastic, cell air or paper to avoid rub marks. Sheet and long or heavy extrusions should be lifted with a minimum of two people. Do not drag or scrape aluminium against other hard or sharp surfaces.

Water Staining

Is generally a white powdery substance on the surface of the aluminium caused by the entrapment of moisture between the surfaces of closely packed aluminium. High magnesium alloys are more susceptible to water staining however, it is only aesthetic and does not alter the mechanical properties of the metal.

If material is delivered wet it should be wiped down and then allowed to dry thoroughly before storing.

The extent of the stains can be determined by the roughness of the surface. Light staining will be smooth and can be removed by brushing, extensive stains will have a rough surface and will require chemical removal.

Cleaning Methods

Listed below are several cleaning methods for raw aluminum in ascending order of harshness

- Water
- Soap or detergent
- Kerosene, turpentine or white spirits
- Non-etching chemical cleaner
- Wax-based polish
- Abrasive wax
- Abrasive cleaner

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