CAPRAL
ALUMINIUM

THE DIE BOOK

JUNE 2026

CONTENTS

WHO IS CAPRAL ALUMINIUM AND WHAT DO WE OFFER?

Established in 1936, Capral Aluminium is Australlia's largest manufacturer, stockholder and distributor of aluminium located in Australia. We understand the Australian market and its environmental conditions and this has helped us become Australia's leading designer, manufacturer and distributor of aluminium extrusions.

Capral Aluminium's manufacturing footprint includes the largest extrusion facility in the Southern Hemisphere at its Bundamba operation in Queensland. In addition, extrusion manufacturing facilities are also located in Victoria, New South Wales, South Australia and Western Australia, all supplying world class products at short lead times.

We operate a strategic regional network of mill direct account managers and distribution centres. These supply solutions and immediate stock availability to a wide range of industries and market sectors.

Capral Aluminium understands the Australian market and its environmental conditions and this has made it Australia's leading designer, manufacturer and distributor of aluminium extrusions.

NATIONAL DISTRIBUTION NETWORK

Capral Aluminium's extensive metropolitan and regional distribution network, services a wide range of industries including residential and commercial construction, transport, marine and general engineering. Regional distribution centres support a network of conveniently located trade centres operating throughout metropolitan and regional Australia supplying a comprehensive range of aluminium geometric extrusions, machining rod, plate and sheet products.

OUR COMMITMENT

Capral Aluminium maintains a significant investment in research and development and use NATA accredited testing facilities to support the design and development of sustainable, energy efficient residential and commercial glazing systems and industrial products.

Capral Aluminium is committed to achieving Net Zero Carbon emission by 2050 and works continuously to minimise the environmental impacts of its activities by; examining its operations to identify environmentally responsible improvement opportunities; by reducing adverse consequences of new plant, equipment and processes; by managing waste materials using the hierarchy of reduce/reuse/recycle; and by ensuring that any necessary disposals are managed to appropriate environmental standards.

Where possible, our extrusions are produced close to where they are required. This helps minimise the impact of road freight, reducing carbon dioxide emissions.

OUR CAPABILITIES

Our focus on the requirements of our customers has seen us make a significant investment in our processing and fabrication facilities, including nine extrusion presses and Australia's largest extrusion press – the 4400MT SMS Eumuco Extrusion Press with interchangeable 9""/12"" container.

SPECIAL EXTRUDED PRODUCTS

Capral Aluminium has the capability to design, produce and stock our customer's own sections. Our extrusion manufacturing facilities can provide technical information along with in-house facilities to help design and produce extruded profiles specific to our customer's needs.

Our extrusion manufacturing facilities produce profiles to the highest quality for use in numerous applications, such as architectural, automotive, marine, electrical, general engineering, road and transport.

A typical route from conception to section:

- Customer product requirement in the form of a rough drawing;
- Design development utilising CAD/CAM technology;
- Die print/drawing produced and then approved by customer;
- Die produced and sample section extruded;
- Bulk material is extruded once off-tool sample approved.

This catalogue is intended to be an aid to our customers; it is not a comprehensive listing of all the products and services available. If you are unable to find the product, service or information you require, please contact your local Capral Aluminium sales representative or our mill sales team. Contact information can be found on back page of this catalogue.

ALLOY RANGE

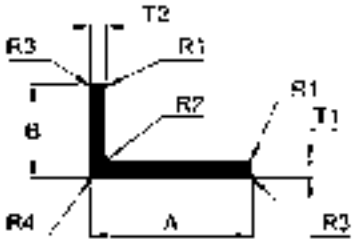
Our alloy range includes 6005A, 6060, 6061, 6063, 6082, 6101, 6106 and 6351.

PLANT CAPABILITIES

FACILITIES	LOG DIAMETER	ALLOYS USED			MEASUREMENTS			CIRCUMSCRIBING CIRCLE DIAMETER (mm)	
		Soft / Semi Structural	Hard / Structural	Extruded Finishes	Customer Length Range Saw (m)	Paintline LTM	Section Weight (kg/m)	Solid	Hollow
Canning Vale 7" Press	178mm	6060 6063 6106		Architectural, Structural	3.0 – 6.8	0.15 – 3.0	0.1 – 2.5	160	120
Angaston 8" Press	203mm	6060 6063 6106	6005A	Architectural, Structural	3.0 – 7.0 Shorter lengths– refer to mill	3.7 - 6.5	0.1 – 5.0	230	210
Campbellfield 9/12" Press	228/ 304mm	6060 6063 6101 6106	6005A 6061 6082 6351	Architectural, Structural	3.0 –17 Longer and shorter lengths – refer to mill	–	2.0 – 20.0	420w x 60h	380w x 90h
Penrith 8" Press	203mm	1350 6060 6063 6106		Architectural, Structural	3.0 –9.0 Shorter lengths– refer to mill	–	0.2 – 3.0	190w x 40h	160w x 40h
Bremer - B1 8" Press	203mm	6060 6106		Architectural, Structural	3.0 – 7.2 Shorter lengths– refer to mill	3.5 – 7.0	0.1 – 5.5	200	180
Bremer - B2 7" Press	178mm	6060 6106		Architectural, Structural	3.0 – 7.2 Shorter lengths– refer to mill	3.5 – 7.0	0.1 – 5.5	165	130
Bremer - B3 7" Press	178mm	6060 6063 6106		Architectural, Structural	3.0 – 7.2 Shorter lengths– refer to mill	3.5 – 7.0	0.1 – 5.5	165	130
Bremer - B4 8" Press	203mm	6060 6063 6106	6005A	Architectural, Structural	3.0 – 7.2 Shorter lengths– refer to mill	3.5 – 7.0	0.1 – 5.5	250	180
Smithfield 9" Press	228mm	6060 6063 6106 1350	6005A 6351 6082	Architectural, Structural	3.0 – 16.0 Shorter lengths– refer to mill	–	0.5 – 6.0	330	300

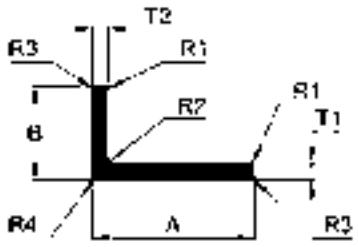
NOTES: 1. Cut lengths < 3m P.O.A. contact plant. 2. Shape dimensions outside those shown contact plant. 3. Section weight outside those shown contact plant.

Angles



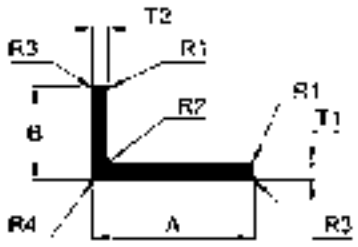
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EME7420	12.00	10.00	1.60	1.60					100	100	0.088	B
EAL12287	12.00	12.00	1.50	1.50					100	100	0.091	P
EK9102	12.00	12.00	1.60	1.60					100	100	0.096	BW
EK9103	12.00	12.00	3.00	3.00					100	100	0.170	BW
EAL12392	15.00	15.00	1.50	1.50					100	100	0.115	B
EB1118	16.00	16.00	1.60	1.60					100	100	0.132	BW
EK9104	16.00	16.00	3.00	3.00					100	100	0.235	BW
E20581	20.00	6.00	1.60	1.60					100	100	0.105	B
EQ1909	20.00	12.00	1.40	1.40					100	100	0.116	BW
EK9105	20.00	12.00	1.60	1.60					100	100	0.131	BAW
EK9106	20.00	12.00	3.00	3.00					100	100	0.235	B
EAL12245	20.00	20.00	1.50	1.50					100	100	0.156	B
EK9107	20.00	20.00	1.60	1.60					100	100	0.165	BAW
EK9108	20.00	20.00	3.00	3.00					100	100	0.300	PBW
EU7473	25.00	12.00	1.50	1.50					100	100	0.143	B
EK9109	25.00	12.00	1.60	1.60					100	100	0.153	BW
EK9110	25.00	12.00	3.00	3.00					100	100	0.275	BW
EQ2841	25.00	20.00	1.40	1.40					100	100	0.165	PBW
EAL12183	25.00	20.00	1.50	1.50					100	100	0.176	B
EK9111	25.00	20.00	1.60	1.60					100	100	0.187	PBAW
EB1157	25.00	20.00	2.50	2.50					100	100	0.286	B
EK9112	25.00	20.00	3.00	3.00					100	100	0.340	BW
EQ1914	25.00	25.00	1.40	1.40					100	100	0.184	BW
EU7475	25.00	25.00	1.50	1.50					100	100	0.197	B
EK9216	25.00	25.00	1.60	1.60					100	100	0.209	PBW
EK9217	25.00	25.00	3.00	3.00					100	100	0.381	PBACW
EU2611	25.00	25.00	6.00	6.00					100	100	0.712	PB
EQ2028	28.00	28.00	3.00	3.00			1.50	1.50	110	110	0.425	B
E05095	31.75	19.05	1.15	1.15	0.58	1.60	0.58		100	100	0.154	W
EB1166	32.00	9.00	1.60	1.60					100	100	0.170	B
EK9113	32.00	20.00	1.20	1.20					103	103	0.164	A
EQ2842	32.00	20.00	1.40	1.40					103	103	0.191	B
EK9114	32.00	20.00	1.60	1.60					104	104	0.218	PBAW
EK9115	32.00	20.00	2.50	2.10					104	104	0.334	B
EK9116	32.00	20.00	3.00	3.00					103	103	0.397	PBAW
EK9117	32.00	25.00	3.00	3.00					114	114	0.437	B
EAL12243	32.00	32.00	1.50	1.50					127	127	0.253	B
EB1126	32.00	32.00	1.60	1.60					128	128	0.270	BW
EK9118	32.00	32.00	3.00	3.00					128	128	0.494	PSBAW
EK9119	32.00	32.00	4.00	4.00					128	128	0.648	B

Angles



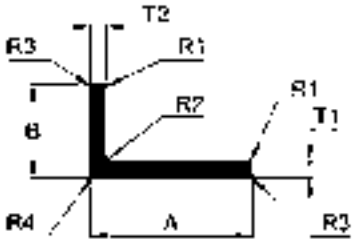
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
E20562	35.00	35.00	2.00	2.00					140	140	0.367	W
EK5994	38.10	25.40	1.57	1.57					127	127	0.263	B
EH1816	38.10	38.10	4.75	4.75					152	152	0.916	W
EE3421	38.10	38.10	4.75	4.75					150	150	0.934	C
EAL10996	39.92	39.92	1.30						159	159	0.277	B
E20434	40.00	12.00	1.60	1.60					104	104	0.218	BW
EK9120	40.00	12.00	3.00	3.00					103	103	0.397	BW
EQ2843	40.00	20.00	1.40	1.40					120	120	0.222	BA
EAL12334	40.00	20.00	1.50	1.50					119	119	0.237	P
EL3257	40.00	20.00	1.60	1.60					119	119	0.252	PBAW
EK9121	40.00	20.00	3.00	3.00					119	119	0.462	PBW
EQ2844	40.00	25.00	1.40	1.40					130	130	0.240	B
EL8124	40.00	25.00	1.60	1.60					129	129	0.273	PBW
EK9122	40.00	25.00	3.00	3.00					130	130	0.502	PSBAW
EQ3361	40.00	40.00	1.40	1.40					160	160	0.297	B
EU7481	40.00	40.00	1.50	1.50					160	160	0.318	PBW
EK9123	40.00	40.00	1.60	1.60					160	160	0.339	PBAW
EK9124	40.00	40.00	3.00	3.00					160	160	0.624	PSBAW
E20672	40.00	40.00	4.00	4.00					158	158	0.830	C
EK9125	40.00	40.00	4.00	4.00					160	160	0.821	PBAW
E20673	40.00	40.00	6.00	6.00					158	158	1.208	C
EK9126	40.00	40.00	6.00	6.00					160	160	1.199	PSBACW
EK7714	44.45	19.05	1.57	1.55					127	127	0.263	W
EB1159	45.00	20.00	1.50	1.50					129	129	0.257	W
EK9127	50.00	12.00	3.00	3.00					124	124	0.478	PB
E34020	50.00	20.00	1.60	1.60					140	140	0.294	PB
EK9128	50.00	20.00	3.00	3.00					140	140	0.543	PB
EQ2558	50.00	25.00	1.40	1.40					149	149	0.278	BW
EU7482	50.00	25.00	1.50	1.50					150	150	0.297	A
EK9129	50.00	25.00	1.60	1.60					149	149	0.317	PBAW
EK9130	50.00	25.00	3.00	3.00					150	150	0.583	PSBAW
EK9131	50.00	40.00	3.00	3.00					180	180	0.705	PB
EU7483	50.00	50.00	1.50	1.50					200	200	0.399	PBW
EL9417	50.00	50.00	1.60	1.60					199	199	0.425	PBW
EK9132	50.00	50.00	3.00	3.00					200	200	0.786	PSBACW
EK9133	50.00	50.00	4.00	4.00					200	200	1.037	PSBW
E20688	50.00	50.00	4.00	4.00		2.50			198	198	1.040	C
EP17087	50.00	50.00	4.00	4.00			4.00	3.00	195	195	1.012	B
EN5408	50.00	50.00	6.00	6.00		4.00			198	198	1.532	SC
EK9134	50.00	50.00	6.00	6.00					200	200	1.523	PSBACW

Angles



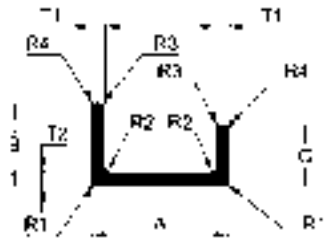
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EG6420	50.80	31.75	4.75	4.75	3.18	4.75			160	160	0.999	B
EG6419	50.80	50.80	6.35	6.35		6.10			201	201	1.655	C
EB1164	60.00	20.00	1.60	1.60					159	159	0.338	B
EB1155	60.00	25.00	3.00	3.00					169	169	0.664	PB
E20560	60.00	40.00	4.00	4.00	1.00		1.00	1.00	198	198	1.033	B
EK9135	60.00	60.00	3.00	3.00					240	240	0.948	PSBAW
EK9136	60.00	60.00	6.00	6.00					240	240	1.847	PSB
EN1567	63.50	38.10	4.00	4.00					203	203	1.054	B
EG6412	63.50	63.50	6.35	6.35		6.86			251	251	2.096	C
E34019	70.00	20.00	1.60	1.60					180	180	0.382	PB
EU7484	70.00	25.00	1.50	1.50					190	190	0.378	B
EN5714	70.00	25.00	1.60	1.60					190	190	0.402	PBA
EP3031	70.00	40.00	1.50	1.50					220	220	0.439	BA
EN7492	70.00	40.00	1.60	1.60					220	220	0.467	BW
E20561	75.00	25.00	1.60	1.60					200	200	0.425	B
EL5923	75.00	25.00	3.00	3.00					200	200	0.786	B
EL6067	75.00	40.00	4.00	4.00					229	229	1.198	W
EQ6283	75.00	50.00	4.50	4.50					249	249	1.464	B
EP13733	75.00	75.00	3.00	3.00					299	299	1.190	B
EP13720	76.00	55.00	5.00	5.00					261	261	1.701	B
EU5701	76.00	76.00	8.00	8.00					304	304	3.110	B
E03237	76.20	25.40	3.18	3.18					202	202	0.845	BW
EG6410	76.20	50.80	6.35	6.35		6.80			251	251	2.095	PSBC
EH5813	76.20	76.20	3.18	3.18					304	304	1.284	B
E06168	76.20	76.20	3.20	3.20					305	305	1.279	PBW
EG6408	76.20	76.20	6.35	6.35					301	301	2.538	PSBCW
EG6407	76.20	76.20	9.52	9.52					302	302	3.707	SC
EB1160	79.60	40.00	6.00	6.00					240	240	1.847	BW
EK9137	80.00	20.00	3.00	3.00					199	199	0.785	PBW
E20559	80.00	50.00	2.50	2.50					260	260	0.861	B
EN5324	80.00	50.00	6.00	6.00	0.50	4.00	0.50		257	257	2.017	PC
E20536	80.00	80.00	4.00	4.00					320	320	1.685	BW
EK9138	80.00	80.00	6.00	6.00					319	319	2.494	PSBCW
E20707	80.00	80.00	6.00	6.00					318	318	2.504	PC
E20709	80.00	80.00	10.00	10.00		6.00			317	317	4.071	SBC
E02447	88.90	31.75	3.20	3.20		3.95			240	240	1.015	W
EP18422	90.00	20.00	1.60	1.60					219	219	0.468	A
EME30823	90.00	40.00	1.60	1.60					259	259	0.554	PB
EP1328	90.00	70.00	6.00	6.00					319	319	2.494	SC
EP19191	100.00	25.00	1.80	1.80					249	249	0.598	B

Angles



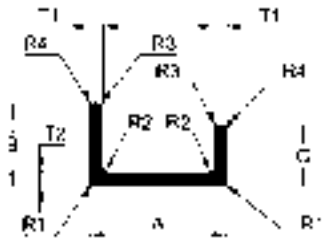
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP12434	100.00	50.00	2.00	2.00					299	299	0.799	B
EP12372	100.00	50.00	3.00	3.00					299	299	1.190	SB
E20525	100.00	50.00	4.00	4.00					300	300	1.577	PBW
EQ1558	100.00	50.00	6.00	6.00		4.00			298	298	2.342	SCW
EU4569	100.00	80.00	10.00	10.00					353	353	4.634	C
EP21317	100.00	80.00	10.00	10.00	1.00	1.00	1.00	1.00	357	357	4.588	S
EME8156	100.00	100.00	2.50	2.50		8.50	1.00	11.00	391	391	1.303	W
EP13992	100.00	100.00	4.00	4.00		5.00			397	397	2.131	B
EP12627	100.00	100.00	6.00	6.00					399	399	3.142	SB
EL2398	100.00	100.00	8.00	8.00					400	400	4.147	SC
E20714	100.00	100.00	8.00	8.00		6.00			397	397	4.168	C
EAL10958	100.00	100.00	10.00	10.00					399	399	5.145	P
EB1153	101.60	50.80	3.18	3.18					305	305	1.282	B
EL4195	101.60	50.80	6.35	6.35		7.60			301	301	2.537	C
EG6403	101.60	101.60	9.53	9.53		9.14			402	402	5.031	C
EN4996	125.00	25.00	2.80	2.80					300	300	1.112	W
EK9139	125.00	50.00	3.00	3.00					350	350	1.393	PBW
EN2911	125.00	50.00	6.00	6.00	1.00	4.00			346	346	2.743	SC
E20700	125.00	50.00	6.00	6.00		4.00			348	348	2.747	SB
EN5323	125.00	80.00	8.00	8.00		6.00		0.50	407	407	4.275	C
EP18410	150.00	50.00	3.00	3.00					399	399	1.595	B
EP13734	150.00	80.00	10.00	10.00					458	458	5.937	SC
EP16526	150.00	150.00	15.00	15.00		12.00			593	593	11.623	C
EP11544	160.00	130.00	10.00	12.00		10.00			574	574	8.263	C
EP17502	200.00	50.00	3.00	3.00					499	499	2.000	P
EP14441	200.00	80.00	10.00	10.00		10.00			554	554	7.345	C
EP9471	200.00	100.00	8.00	8.00	1.00	9.50			594	594	6.357	C
EP10189	250.00	50.00	3.00	3.00	1.00	5.00	1.00		596	596	2.417	C

Channels



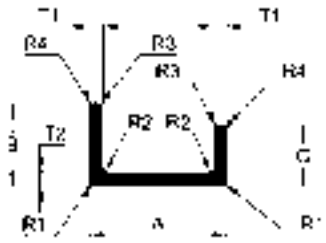
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EK9146	10.00	10.00	1.60	1.60					100	100	0.116	BW
EK9147	10.00	12.00	1.60	1.60			0.38	0.38	100	100	0.133	B
EK9149	12.00	12.00	1.60	1.60	0.38		0.38	0.38	100	100	0.141	BW
EK9151	12.00	20.00	2.50	2.50					100	100	0.317	PB
E20770	16.00	12.00	1.60	1.60					100	100	0.159	B
EK9152	16.00	16.00	1.60	1.60					100	100	0.194	PBW
E20772	16.00	16.00	3.00	3.00					100	100	0.340	PB
EN4620	19.16	20.00	1.20	1.20	1.00		0.60	0.60	114	114	0.182	BW
EK9153	20.00	16.00	1.60	1.60					100	100	0.211	BW
EP18943	20.00	20.00	1.50	1.50					116	116	0.230	A
EL1812	20.00	20.00	1.60	1.60					116	116	0.245	PB
EK9154	20.00	20.00	2.50	2.50					115	115	0.371	BW
EK9155	20.00	20.00	3.00	3.00					114	114	0.437	PB
EP18314	20.00	40.00	3.00	3.00					193	129	0.761	A
E02213	22.25	19.00	1.60	1.60					124	100	0.256	W
E09060	22.25	25.40	1.35	1.35		0.80	0.68	0.68	140	140	0.265	B
EAL20349	22.30	20.00	1.20	1.20			0.60	0.60	121	121	0.193	P
EP18944	22.95	25.00	1.10	1.10					143	142	0.210	A
EK9156	25.00	12.00	3.00	3.00					100	100	0.348	BW
EL1813	25.00	20.00	1.60	1.60					127	127	0.267	BW
EK9157	25.00	20.00	2.50	2.50					124	124	0.405	BW
EL5249	25.00	25.00	1.60	1.60					147	100	0.310	PBW
EK9158	25.00	25.00	3.00	3.00			0.38	0.38	143	143	0.558	PBAW
EK9159	25.00	40.00	3.00	3.00					203	105	0.802	PBW
EB1196	25.40	15.88	1.58	1.58					111	111	0.230	B
E09059	25.80	25.40	1.40	1.40		0.80			148	148	0.280	B
EAL11195	28.00	15.00	1.40	1.40					112	112	0.209	P
EAL11194	28.00	25.00	1.40	1.40					152	152	0.285	B
E73242	29.00	20.00	1.60	1.60	0.50		0.80	0.80	133	100	0.282	W
E17151	29.20	29.00	1.60	2.20	1.00		0.80	0.80	149	100	0.405	B
EE4240	29.33	20.65	1.57	1.57					138	138	0.286	BW
EQ4498	29.72	16.20	1.20	1.20		1.00			121	121	0.195	B
E20784	32.00	16.00	1.60	1.60					125	125	0.262	B
EK9160	32.00	25.00	3.00	3.00					158	158	0.616	PSBW
EU6157	32.00	32.00	2.50	2.50	1.50	1.50			184	128	0.616	B
EQ2250	35.00	25.00	1.50	1.50					167	167	0.332	B
EME7279	35.60	25.40	1.40	1.40					176	176	0.327	W
EN4618	37.95	20.00	1.20	1.20	1.00		0.60	0.60	151	151	0.243	W
EH5368	37.95	25.40	1.45	1.27			0.73	0.73	174	116	0.319	BW
E04704	38.10	25.40	1.35	1.25		0.80	0.68	0.68	173	100	0.304	B

Channels



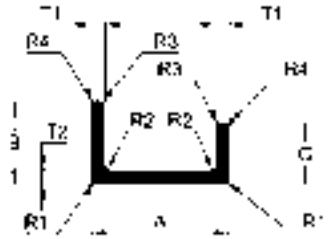
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EN4503	38.60	25.00	1.40	1.27					175	175	0.311	B
EQ1556	40.00	20.00	2.00	2.00					156	156	0.410	B
EK9161	40.00	20.00	3.00	3.00	0.38		0.38	0.38	153	153	0.599	PBW
EK9162	40.00	25.00	3.00	3.00					174	174	0.680	PBW
E20790	40.00	40.00	3.00	3.00					233	126	0.923	PBW
EL6732	40.00	50.00	6.00	6.00		1.00			267	267	2.075	B
EL7536	41.00	50.00	4.80	4.80					272	272	1.703	P
EH5367	41.91	25.40	1.59	1.58			0.79	0.79	181	181	0.385	BW
E17073	43.40	35.00	3.00	3.00					221	148	0.869	B
EG1021	44.45	25.40	3.18	3.18					184	184	0.763	BW
EK5215	44.45	44.45	6.35	6.35				3.18	252	252	2.057	B
EB1220	50.00	25.00	1.60	1.60					197	197	0.418	B
EK9215	50.00	25.00	3.00	3.00					194	194	0.761	PBW
EK9163	50.00	50.00	3.00	3.00					294	294	1.166	PSBAW
E20830	53.00	25.00	1.50	1.50					203	103	0.405	AW
EAL12171	54.00	20.00	1.50	1.50					184	184	0.368	P
EME8792	54.00	39.70	1.60	1.60					265	139	0.565	P
EP14111	54.00	65.00	4.00	5.00				5.00	353	236	2.001	B
E20821	54.20	20.00	1.60	1.60					185	185	0.393	BA
EAL6225	56.50	31.80	4.50	4.50		6.00			226	226	1.392	S
EP13476	57.60	50.00	3.00	3.00					308	206	1.227	B
EK9164	60.00	32.00	3.00	3.00					240	240	0.955	PBW
EP13675	60.00	32.00	3.00	3.00	3.00	3.00			236	236	0.955	B
EG7534	63.50	31.75	4.75	3.96		5.08			241	241	1.424	B
EQ1773	65.50	25.00	1.50	1.50					227	227	0.455	B
EP8859	70.00	30.00	2.50	2.50		1.00			253	253	0.844	B
EG5771	76.20	38.10	3.96	3.96					296	296	1.546	SBC
EG6435	76.20	38.10	7.93	6.35		7.62			286	286	2.733	SBC
EP7868	78.00	25.00	1.50	1.50					252	128	0.505	W
EME31374	78.20	25.00	1.60	1.60			1.00	1.00	251	251	0.538	BW
EAL5813	80.00	25.00	1.60	2.30					255	255	0.693	P
EK9165	80.00	25.00	3.00	3.00					253	253	1.004	PBW
EN8649	80.00	40.00	3.00	3.00			0.50	0.50	313	161	1.247	PB
EK9166	80.00	40.00	4.00	4.00					312	312	1.642	PBW
E20921	80.00	40.00	4.00	4.00		2.50			309	309	1.647	C
E20922	80.00	40.00	6.00	6.00		4.00			304	304	2.414	SCW
EQ3461	80.00	40.00	8.00	6.00		6.00			303	303	2.805	C
EME5683	81.00	25.40	2.35	2.35					259	100	0.806	B
EP13842	88.00	180.00	6.00	6.00	9.50				872	872	6.972	C
EAL12324	92.30	25.00	1.80	3.00		2.00			276	123	0.966	P

Channels



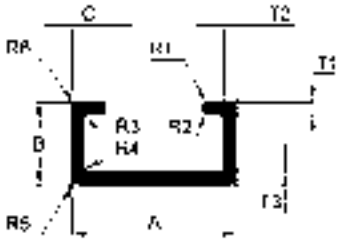
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EK9168	100.00	25.00	3.00	3.00					294	294	1.166	PBW
EK9169	100.00	40.00	3.00	3.00					354	354	1.409	PB
EAL22966	100.00	45.00	4.80	4.80	0.50	3.00	0.75	0.75	366	366	2.346	S
EL7540	100.00	45.00	4.90	4.90		5.00			365	365	2.413	B
EAL4288	100.00	45.00	5.00	5.00		5.00			365	365	2.458	P
EB1208	100.00	50.00	3.00	3.00					394	394	1.571	PBA
EN3527	100.00	50.00	5.00	5.00		5.00			386	386	2.594	SBC
E25060	100.00	50.00	6.00	9.00		2.00			378	378	3.760	C
EP13664	100.00	50.00	7.50	6.00	6.00	2.00	1.00	1.00	379	379	3.363	B
EN3528	100.00	50.00	9.00	6.00		6.00			383	383	3.799	C
E20929	100.00	50.00	9.00	6.00		6.00			382	382	3.800	C
E02930	101.60	44.40	4.75	4.75		4.00			368	368	2.338	PC
EG6434	101.60	50.80	7.93	6.35		9.14			385	385	3.742	SBC
EAL12335	118.00	25.00	1.80	2.98	2.00				328	168	1.168	P
EQ2512	125.00	50.00	3.00	3.00		5.00			440	440	1.803	B
E25411	125.00	70.00	6.00	6.00		5.00	1.50	1.50	502	502	3.982	C
EP12540	127.00	50.80	4.00	4.00		6.00			442	442	2.421	C
EQ2556	127.00	63.50	9.00	6.00	12.00	6.00			481	481	4.728	C
EG6433	127.00	63.50	9.53	6.35		10.67	0.38	0.38	485	485	5.250	SC
E05804	133.35	88.90	9.55	9.55	12.70	6.35	3.20	3.20	581	581	7.366	C
E71766	150.00	25.00	3.00	3.00					394	394	1.571	B
EAL12285	150.00	50.00	5.00	5.00					489	489	3.240	P
EN2276	150.00	50.50	5.00	5.00					492	492	3.253	A
EAL9623	150.00	70.00	6.00	6.00	10.00	4.00			556	556	4.406	S
EU5381	152.00	63.00	6.00	6.00	12.50				528	528	4.177	B
E03233	152.40	63.50	7.90	6.35		10.65			537	537	5.191	SC
E06330	152.40	76.20	9.55	9.55	15.90	6.35			571	571	7.121	C
E20934	160.00	60.00	9.00	6.00		6.00			543	543	5.258	C
EP0372	175.00	100.00	7.00	7.00		8.00	1.00	1.00	664	664	6.162	C
EG6430	177.80	76.20	11.10	6.35		12.19			637	425	7.407	C
EAL12325	180.00	80.00	5.50	5.50	11.00	5.50			654	331	4.780	P
EU6362	180.00	80.00	6.00	6.00	12.00		1.00	1.00	651	651	5.186	C
EAL7833	180.00	80.00	9.00	6.00	9.00	5.00			656	656	6.447	C
E20935	180.00	80.00	11.00	6.00		6.00			662	662	7.353	C
EQ4183	200.00	90.00	8.00	6.00	15.00	10.00			647	647	5.860	BC
EN3529	200.00	90.00	10.00	8.00	10.00	4.00	1.00	1.00	730	730	8.648	C
EN5691	250.00	110.00	12.00	12.00	19.00	7.00	1.60	1.60	891	891	14.083	C
E25446	250.00	110.00	12.00	12.00	19.00	7.00	1.60	1.60	891	891	14.083	C
EU1691	254.00	115.00	12.50	12.50		6.00	2.00	2.00	919	612	15.127	C
EN3530	280.00	95.00	7.50	5.50	5.00	1.00	1.00	1.00	922	922	7.752	C

Channels



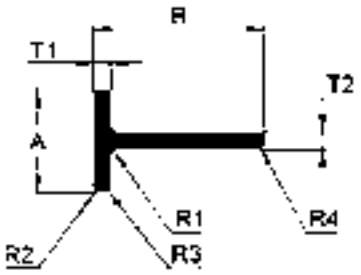
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP10447	304.80	101.60	8.90	8.90	15.00	12.00	1.00	1.00	973	973	11.683	C
E26927	350.00	175.00	20.00	20.00		25.00	1.00	1.00	1276	647	16.987	C
E05721	381.00	152.40	12.70	9.50	15.90	15.90	0.80	0.80	1324	1324	19.572	C

Channel Lipped



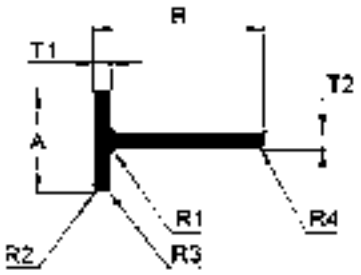
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
E03494	76.20	25.40	2.35	2.35			0.80	0.80	289	289	0.913	W
EH8137	97.79	76.20	4.75	4.75		3.18	6.35	6.35	541	541	3.985	C
E10174	101.60	76.20	6.35	6.35	1.00	1.00		3.20	562	375	4.806	SC
E05852	305.00	152.50	13.00	10.00	2.00	2.00	2.00	15.00	1172	782	15.663	C

Tee Sections



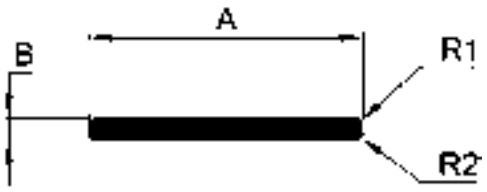
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EK9140	20.00	20.00	1.60	1.60					100	100	0.166	B
EK9141	20.00	20.00	3.00	3.00					100	100	0.300	PB
E71495	22.00	40.00	1.60	1.60				0.80	123	123	0.259	B
EK9142	25.00	25.00	1.60	1.60					100	100	0.209	BW
EK9143	25.00	25.00	3.00	3.00					100	100	0.381	PBW
EU8129	25.40	38.10	1.58	1.58					127	127	0.264	B
E20264	32.00	54.00	4.00	4.00	4.00				169	169	0.904	C
EA2071	35.00	50.00	2.00	2.00	3.00				166	166	0.458	CW
EU9284	35.00	50.00	3.00	3.00	3.00				167	167	0.675	C
EP3724	35.00	128.00	8.00	5.00	4.00	1.00	1.00	1.00	320	320	2.391	C
E71996	38.00	63.00	4.00	8.00	3.00	2.00	2.00	4.00	198	198	1.663	W
EH2926	38.10	38.10	3.18	3.18					152	152	0.627	W
E20215	40.00	20.00	1.50	1.50					120	120	0.236	B
E20197	40.00	25.00	2.50	2.50					130	130	0.421	P
EL5287	40.00	40.00	1.60	1.60					160	100	0.339	PBAW
EK9144	40.00	40.00	3.00	3.00					160	160	0.624	PBW
EK9145	40.00	40.00	4.00	4.00					160	160	0.821	C
EU9187	40.00	40.00	4.00	4.00	3.75				156	156	0.837	C
EP9150	45.00	100.00	8.00	4.00	4.00	1.00	1.00	1.00	284	284	1.981	C
EU7074	45.00	100.00	8.00	5.00	4.00				286	286	2.233	C
E20212	50.00	25.00	1.60	1.60					150	100	0.317	B
EN5333	50.00	50.00	4.00	4.00					200	200	1.037	PBC
E20219	50.00	50.00	4.00	4.00	4.00			0.50	195	195	1.054	SBC
E20255	50.00	50.00	6.00	6.00					200	200	1.523	B
E20205	50.00	50.00	6.00	6.00					196	196	1.552	C
EU6368	50.00	60.00	6.00	4.00	4.00				216	216	1.412	SBC
EN5331	50.00	70.00	8.00	4.00	4.00				236	236	1.768	SC
EU8408	50.00	156.00	6.00	6.00	4.00				408	408	3.259	C
E20257	60.00	60.00	6.00	6.00	4.00				236	236	1.863	BC
EN1460	63.00	40.00	3.00	3.00					206	206	0.810	B
EP9149	70.00	100.00	10.00	4.00	4.00	1.00	1.00	1.00	334	334	2.877	C
EP9148	70.00	140.00	10.00	6.00	4.00	1.00	1.00	1.00	414	414	4.011	C
EP22072	75.00	140.00	10.00	6.00	1.00	1.00	1.00	1.00	427	427	4.128	S
EAL6102	76.00	76.00	6.00	6.00					304	304	2.365	P
E00801	76.20	76.20	6.35	6.35	7.60				297	297	2.570	C
EG6437	76.20	76.20	9.53	9.53	7.62				298	199	3.743	C
EU7545	80.00	139.00	8.00	5.00	10.00				429	429	3.612	C
EN1950	80.00	156.00	6.00	6.00	5.00				468	468	3.756	C
EN5218	80.00	163.00	8.00	5.00	10.00				477	477	3.937	C
EU8406	80.00	208.00	8.00	6.00	6.00				571	571	5.009	C

Tee Sections



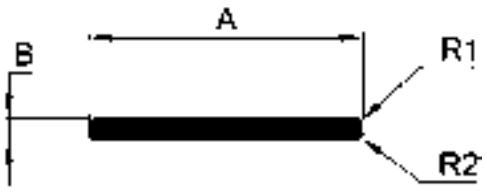
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP22196	100.00	100.00	6.00	6.00					397	397	3.140	C
EU6367	100.00	180.00	10.00	6.00	4.00				556	556	5.473	C
EP7911	100.00	180.00	10.00	6.00	5.00	1.00	1.00	1.00	553	553	5.478	C
E27297	100.00	308.00	8.00	5.00	8.00				806	806	6.281	C
E25760	120.00	370.00	10.00	6.00	8.00		1.00		971	971	9.143	C
EP10656	120.00	402.00	12.00	6.00	8.00	1.00	1.00	1.00	1034	1034	10.277	C
EP14442	150.00	200.00	10.00	10.00	10.00				689	689	9.292	C

Flat Bar



Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX4012	12.00	4.00							100	100	0.130	W
EX4019	12.00	6.00							100	100	0.194	BW
EX4028	12.00	10.00							100	100	0.324	P
E00209	12.70	3.20			1.60	1.60			100	100	0.103	W
EAL1012	12.70	4.75							100	100	0.162	B
EX4003	16.00	3.00							100	100	0.130	W
EAL2353	19.05	3.18			1.59	1.59			100	100	0.157	B
EX4004	20.00	3.00							100	100	0.162	PW
EX4013	20.00	4.00							100	100	0.216	PW
EX4068	20.00	5.00							100	100	0.269	P
EX4020	20.00	6.00							100	100	0.324	B
E20016	20.00	10.00							100	100	0.540	PB
EX4036	20.00	12.00							100	100	0.648	PB
EX4005	25.00	3.00							100	100	0.203	PBAW
EX4014	25.00	4.00							100	100	0.270	PAW
EX4063	25.00	5.00							100	100	0.338	PBA
EX4021	25.00	6.00							100	100	0.405	BAW
EX4029	25.00	10.00							100	100	0.675	PBW
EX4037	25.00	12.00							100	100	0.810	BW
EX4045	25.00	20.00							100	100	1.350	B
E02329	25.40	3.20			3.20				100	100	0.208	W
E08752	25.40	6.35			3.18	3.18			100	100	0.413	B
EX4006	32.00	3.00							100	100	0.259	PBAW
EX4086	32.00	4.00							100	100	0.346	W
EX4062	32.00	5.00							100	100	0.431	PBA
EX4022	32.00	6.00							100	100	0.518	PBW
EX4030	32.00	10.00							100	100	0.864	PSBCW
EX1503	34.93	2.77							100	100	0.261	B
EN1558	38.00	4.50			2.25	2.25			100	100	0.450	W
EAL2556	38.10	3.18			1.59	1.59			100	100	0.321	P
EX4007	40.00	3.00							100	100	0.324	PBAW
EX4015	40.00	4.00							100	100	0.432	PW
E22071	40.00	4.00			2.00	2.00			100	100	0.422	W
EX4054	40.00	5.00							100	100	0.541	PSBACW
EX4023	40.00	6.00							100	100	0.648	PSBACW
EX4031	40.00	10.00							100	100	1.080	PSBACW
EX4038	40.00	12.00							104	104	1.296	PB
E20038	40.00	16.00							112	112	1.728	PB
EAL4031	40.00	20.00							120	120	2.160	P
EX4047	40.00	25.00							130	130	2.700	PB

Flat Bar



Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EAL2207	44.45	3.96			1.98	1.98			100	100	0.467	P
EP7208	45.00	3.00							100	100	0.365	B
EP7324	45.00	5.00							100	100	0.607	PA
EX4008	50.00	3.00							106	106	0.405	PSBACW
EX4016	50.00	4.00							108	108	0.540	PW
EX4060	50.00	5.00							110	110	0.675	PSBAC
EAL4035	50.00	6.00							112	112	0.810	PSA
E22067	50.00	6.00			3.00	3.00			107	107	0.788	PB
EX4024	50.00	6.00			1.00	1.00			110	110	0.808	SBCW
E22053	50.00	6.30			3.15	3.15			107	107	0.827	PC
EAL6099	50.00	8.00							116	116	1.080	PW
EP5401	50.00	8.00			1.00	1.00			114	114	1.078	C
EQ3141	50.00	8.00			1.60	1.60			113	113	1.074	B
EX4032	50.00	10.00							120	120	1.350	PSBACW
EX4039	50.00	12.00							124	124	1.620	PB
EX4046	50.00	20.00							140	140	2.700	B
EX4048	50.00	25.00							150	150	3.375	S
EK1150	50.80	3.96			1.98	1.98			106	106	0.535	P
EK1130	50.80	4.75			2.38	2.38			107	107	0.638	B
EAL2551	50.80	4.75			2.38	2.38			107	107	0.638	S
EP12652	55.00	3.00							115	115	0.445	P
EQ4452	55.00	3.00			1.50	1.50			113	113	0.440	B
EX4071	55.00	5.00							120	120	0.743	PB
EX4009	60.00	3.00							126	126	0.486	PW
EP9811	60.00	5.00			2.50	2.50			126	126	0.796	B
EX4069	60.00	6.00							132	132	0.972	PSBCW
EAL7321	60.00	6.00			3.00	6.00			127	127	0.951	P
E20111	60.00	6.00			1.60	1.60			129	129	0.966	B
EX4070	60.00	10.00							140	140	1.620	PBW
EX4040	60.00	12.00							144	144	1.944	SB
EP9404	60.00	16.00							151	151	2.592	W
EAL23629	65.00	3.00							135	135	0.526	PB
EX4059	65.00	5.00							139	139	0.877	PBA
EAL7519	65.00	20.00							170	170	3.510	C
EP9177	75.00	3.00							155	155	0.607	P
EAL11192	75.00	6.00							161	161	1.218	B
EP8366	75.00	10.00							169	169	2.025	W
EK3573	76.20	6.35			3.18	3.18			160	160	1.282	B
EX4010	80.00	3.00							166	166	0.648	PW
EX4017	80.00	4.00							168	168	0.864	P

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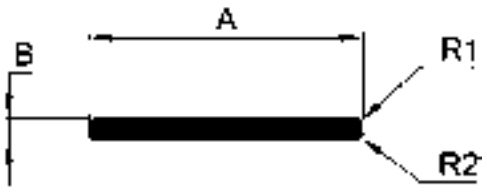
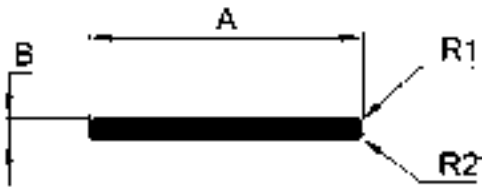


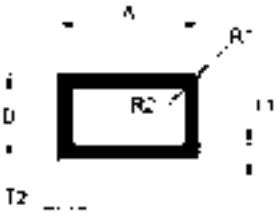
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX4025	80.00	6.00							172	172	1.296	PSBCW
EB1092	80.00	6.30			3.15	3.15			167	167	1.336	PB
EX4072	80.00	8.00							176	176	1.728	PSBC
EX4033	80.00	10.00							180	180	2.160	PSBACW
E20061	80.00	12.00							184	184	2.592	SB
EX4044	80.00	16.00							192	192	3.456	SBA
EAL12319	80.00	20.00							199	199	4.320	P
EX4049	80.00	25.00							210	210	5.400	CW
E34113	100.00	1.50			0.50	0.50			202	202	0.404	B
EX4011	100.00	3.00							206	206	0.810	PBW
EX4018	100.00	4.00							208	208	1.080	PW
E22068	100.00	5.00			2.50	2.50			206	206	1.337	W
EX4026	100.00	6.00							212	212	1.620	PSBACW
EQ6803	100.00	6.00			3.00	3.00			206	206	1.599	B
EB1093	100.00	6.30			3.15	3.15			207	207	1.676	C
EP8310	100.00	8.00			1.00	1.00			214	214	2.158	C
EP7910	100.00	8.00			1.00	1.00			214	214	2.157	BC
EX4034	100.00	10.00							220	220	2.700	PSBACW
EX4042	100.00	12.00							224	224	3.240	SBCW
EP11146	100.00	16.00							231	231	4.320	C
E20071	100.00	20.00			0.40	0.40			239	239	5.400	C
EX4050	100.00	25.00							250	250	6.750	SC
EAL0666	101.60	15.88							235	235	4.356	S
EP22324	101.60	50.80			1.00	1.00			303	303	13.933	S
EP9360	108.00	8.00							231	231	2.332	B
EP13732	120.00	10.00							259	259	3.240	B
EQ6144	125.00	6.00							261	261	2.025	B
EP14366	125.00	12.00							272	272	4.048	B
EX1728	127.00	9.52							273	273	3.264	C
EX1730	127.00	12.70							279	279	4.355	C
EP2255	140.00	20.00			2.50	2.50			316	316	7.546	C
EP13819	144.00	2.50			1.00	1.00			291	291	0.970	B
EP13523	150.00	3.00							305	305	1.215	B
EAL5809	150.00	4.00							308	308	1.620	P
EAL23273	150.00	6.00			0.50	0.50			311	311	2.429	P
EP11453	150.00	8.00			1.00	1.00			314	314	3.238	SCW
EAL12095	150.00	10.00							319	319	4.050	S
EAL12721	160.00	4.00							327	327	1.728	P
EX4027	160.00	6.00			1.00	1.00			330	330	2.590	PBC
EX4035	160.00	10.00							340	340	4.320	PSBC

Flat Bar



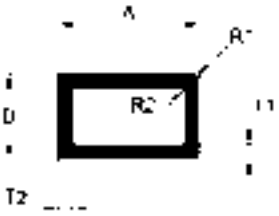
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX4043	160.00	12.00							344	344	5.184	SC
EW5469	160.00	12.00			5.00				339	339	5.154	C
E20076	160.00	16.00							352	352	6.912	C
EX4051	160.00	25.00							370	370	10.800	C
E20103	170.00	10.00							360	360	4.600	C
EP1303	180.00	20.00			0.50	0.50			399	399	9.719	C
EP15745	190.00	16.00			1.00	1.00			410	410	8.206	C
EP5564	200.00	6.00							411	411	3.240	PB
EP4404	200.00	8.00			1.00	1.00			414	414	4.318	C
EP13059	200.00	15.00			2.00	2.00			427	427	8.091	C
EQ5997	210.00	20.00			3.00	3.00			454	454	11.319	C
EAL12754	250.00	6.00			3.00	3.00			507	507	4.029	P
EP14367	300.00	16.00							630	630	12.958	C
EP14440	350.00	20.00			1.00	1.00			738	738	18.898	C

Rectangular Hollows



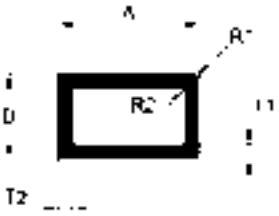
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EL8010	25.00	12.00	1.60	1.60					100	100	0.292	B
EP18699	30.00	16.00	1.50	1.50					100	100	0.348	P
EA3032	32.00	12.00	2.00	2.00					100	100	0.432	W
EN6137	32.00	20.00	1.60	1.60	1.40				102	102	0.417	B
EALH0545	34.93	12.70	1.57	1.57	3.75				100	100	0.355	P
EP12071	35.00	10.00	1.20	1.20	3.00				100	100	0.263	B
EP13739	38.00	16.00	1.20	1.20	3.00				103	103	0.321	BW
EP7822	38.00	16.00	1.60	1.60	1.00	0.40			106	106	0.437	BW
E22174	38.00	25.00	1.50	1.50	3.00	1.50			120	120	0.470	PBW
EQ4361	38.00	25.00	1.80	1.80	0.80				125	125	0.576	B
EQ6813	38.00	25.00	2.00	2.00	3.00	1.00			120	120	0.619	PB
EN9524	38.00	25.00	2.00	2.00	2.80	0.80			121	121	0.621	B
EALH12221	38.00	25.00	2.50	2.50					125	125	0.783	P
EALH11321	38.00	25.00	2.50	2.50	1.80				123	123	0.778	PB
EH2938	38.10	17.45	3.18	3.18					111	111	0.845	PB
EN8872	38.10	25.40	1.60	1.60	1.50				124	124	0.516	B
EQ4084	38.10	25.40	1.60	1.60	3.00	1.40			121	121	0.505	B
E22166	38.10	25.40	2.50	2.50	3.20				122	122	0.767	BW
EQ6819	38.10	25.40	2.50	2.50	3.00	0.50			121	121	0.769	P
EG2205	38.10	25.40	2.54	2.54					127	127	0.801	BW
E01384	38.10	25.40	2.54	2.54		1.57			127	127	0.806	PBW
EN6565	38.30	25.30	1.95	1.95	0.80				126	126	0.626	B
EP12950	40.00	16.00	1.40	1.40	3.00				107	107	0.387	B
EP22560	40.00	20.00	1.40	1.40					120	120	0.432	P
E22169	40.00	20.00	2.00	2.00	2.00				117	117	0.597	PB
EN2262	40.00	20.00	3.00	3.00					120	120	0.875	PSBW
EQ4702	40.00	25.00	2.40	2.40					130	130	0.780	B
EB1014	40.00	25.00	2.50	2.50					130	130	0.810	PSBW
E22122	40.00	25.00	3.00	3.00	3.00	1.00			125	125	0.937	BW
EP12680	50.00	10.00	1.10	1.10	1.50				117	117	0.338	P
EP15350	50.00	10.00	1.20	1.20	1.50				117	117	0.368	P
EP13740	50.00	10.00	1.60	1.60					119	119	0.491	B
EP14037	50.00	16.00	1.40	1.40	3.00	1.60			127	127	0.463	B
E22167	50.00	25.00	1.50	1.50	1.00	0.50			148	148	0.581	B
EQ3359	50.00	25.00	1.60	1.60					149	149	0.620	PSB
EP16189	50.00	25.00	1.60	1.60	3.00	1.50			145	145	0.605	B
EP13677	50.00	25.00	2.00	2.00	3.00				145	145	0.748	B
EU7751	50.00	25.00	2.50	2.50					150	150	0.945	PB
EL8012	50.00	25.00	3.00	3.00					150	150	1.118	PSBACW
EW5373	50.00	25.00	3.00	3.00	3.00				144	144	1.097	BW

Rectangular Hollows



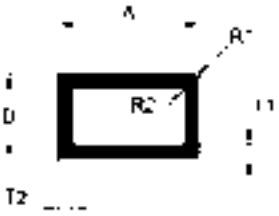
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP13238	50.00	25.00	3.00	3.00	3.50	0.50			144	140	1.090	SB
EP13327	50.00	25.00	4.00	4.00					149	149	1.447	B
EP22009	50.00	31.50	1.30	1.30					162	162	0.678	B
EL8013	50.00	40.00	3.00	3.00					180	180	1.361	PSBC
EQ1636	50.00	40.00	5.00	5.00	5.00	5.00			171	171	2.166	PB
EP16810	50.80	10.80	1.40	1.40	1.00				122	122	0.442	A
EQ1148	50.80	25.40	2.50	2.50	1.40				150	150	0.957	B
EALH0041	50.80	38.10	3.18	3.18					178	178	1.414	P
EE3956	50.80	38.10	3.18	3.18		3.18			178	178	1.441	BW
EL8014	60.00	25.00	2.50	2.50					170	170	1.080	B
E32698	60.00	35.00	2.00	3.60	1.00	5.00			188	188	1.306	C
EALH21840	60.00	40.00	1.60	1.60					200	200	0.836	P
EP13847	60.00	40.00	2.10	2.10	3.00				195	195	1.067	B
EL8015	60.00	40.00	3.00	3.00					200	200	1.523	PSBW
EP21162	60.00	40.00	4.00	4.00	2.00	2.00			197	197	1.987	B
EL8016	60.00	50.00	3.00	3.00					220	220	1.685	PB
EP10454	63.50	38.00	3.00	3.00	2.00	1.00			200	200	1.540	W
EE3867	63.50	50.80	3.18	3.18		4.75			229	229	1.904	B
EQ6823	65.00	16.00	1.20	1.20	3.00				157	157	0.496	PBAW
EQ6948	65.00	16.00	1.40	1.40	3.00	1.60			156	156	0.576	PBAW
EP12154	65.00	16.00	2.50	2.50	3.00				157	157	1.006	B
EP17151	65.00	40.00	1.60	1.60	1.00				208	208	0.878	B
EP13680	70.00	30.00	2.00	2.00	3.00				195	195	1.018	B
EP13689	70.00	30.00	3.00	3.00	1.40				198	198	1.519	B
EP15621	70.00	30.00	3.00	3.00	3.00				195	195	1.502	B
EP22702	75.00	16.00	1.40	1.40	3.00				177	177	0.702	B
EP10126	75.00	25.00	1.60	1.60					199	199	0.836	B
EP17045	75.00	25.00	2.00	2.00	3.00				195	195	1.018	B
EP22465	75.00	50.00	1.60	1.60					249	249	1.052	B
EN2319	75.00	50.00	2.00	2.00					250	250	1.307	B
EL8017	75.00	50.00	3.00	3.00					250	250	1.928	PSW
EP13676	75.00	50.00	3.00	3.00	6.00				240	240	1.865	SB
EALH9257	75.00	50.00	4.00	4.00	5.00	1.00			241	241	2.479	S
EQ2435	75.00	50.00	6.00	6.00	6.00	6.00			240	240	3.661	SC
EP15688	75.60	35.60	2.00	2.00	2.00				219	219	1.148	B
E03493	76.20	25.40	2.35	2.35		0.80			203	203	1.231	W
EL4238	76.20	25.40	2.40	2.40					203	203	1.255	PSBAW
EG4433	76.20	38.10	3.18	3.18		6.35			229	229	1.947	PB
E01864	76.20	50.50	3.20	3.20					253	253	2.079	BW
EQ1915	76.20	50.80	1.60	1.60					254	254	1.070	B

Rectangular Hollows



Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EH2941	76.20	50.80	3.18	3.18					253	253	2.068	PB
EP6049	76.20	50.80	6.35	6.35	1.00	1.00			252	252	3.919	B
EL8018	80.00	25.00	3.00	3.00					210	210	1.604	BW
EP12365	80.00	25.00	3.00	3.00	3.00				205	205	1.583	W
EL8019	80.00	40.00	3.00	3.00					240	240	1.847	PSBAW
EP13741	80.00	40.00	3.00	3.00	3.00	0.50			235	235	1.827	B
EQ6383	80.00	40.00	3.00	3.00	6.00	4.70			229	229	1.815	SC
EL8020	80.00	50.00	3.00	3.00					260	260	2.009	PSBW
EP9944	80.00	50.00	3.00	3.00	3.00	4.70			250	250	1.977	B
EH5716	82.55	28.58	2.29	2.29					222	222	1.318	B
EP17150	90.00	40.00	1.60	1.60	1.00				258	258	1.094	B
EP19916	90.00	50.00	6.00	6.00	6.00				270	270	2.108	A
EP12022	100.00	16.00	1.20	1.40	3.00	1.60			227	227	0.780	BW
EP17038	100.00	25.00	2.00	2.00	3.00				245	245	1.288	B
EL8021	100.00	25.00	2.50	2.50					250	250	1.620	PSBW
EQ2698	100.00	25.20	1.60	1.60					250	250	1.054	B
EL8023	100.00	40.00	3.00	3.00					280	280	2.171	PB
EL8024	100.00	50.00	1.60	1.60	0.50	0.50			299	299	1.268	PB
E22160	100.00	50.00	2.00	2.00					300	300	1.577	B
EP22733	100.00	50.00	2.00	2.00	3.00				295	295	1.558	B
EP21055	100.00	50.00	2.50	2.50	1.00				298	298	2.336	P
EL8025	100.00	50.00	3.00	3.00					300	300	2.333	PSBACW
E22177	100.00	50.00	3.00	3.00	1.00	2.00			298	298	2.340	BCW
EME50157	100.00	50.00	3.00	3.00	6.00				290	290	2.270	SBAW
EP11377	100.00	50.00	3.20	3.20	4.75				294	294	2.463	B
EB1592	100.00	50.00	6.00	6.00	8.00	2.00			286	286	4.332	SC
EP17634	100.00	50.00	6.00	6.00	1.00	1.00			298	298	4.471	A
EP13663	100.00	60.00	4.00	4.00	4.00	4.00			313	313	3.283	B
EP15196	100.00	80.00	6.00	6.00	7.00	1.00			348	348	5.332	B
EG6913	101.60	50.80	3.18	3.18					305	305	2.508	B
E02801	101.60	63.50	4.00	4.00		3.20			330	330	3.417	C
EG5074	101.60	76.20	2.29	2.29	5.54	3.18			346	346	2.102	SBC
EQ4284	101.60	76.20	3.50	3.50		2.00			346	346	3.167	C
EL8027	125.00	25.00	3.00	3.00					300	300	2.333	B
EL8028	125.00	40.00	3.00	3.00					330	330	2.576	PB
EP11635	125.00	50.00	1.60	1.60					349	349	1.484	B
EL8030	125.00	50.00	3.00	3.00					349	349	2.737	PB
EP18824	125.00	50.00	3.00	3.00	6.00	3.00			340	340	2.675	B
EU6344	125.00	100.00	4.00	4.00	6.00	5.00			440	440	4.662	C
EB1015	150.00	30.00	3.00	3.00					360	360	2.819	B

Rectangular Hollows

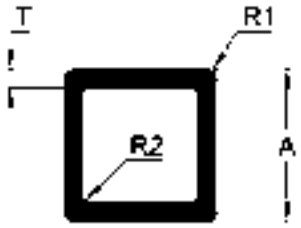


Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP10494	150.00	50.00	1.95	1.95					399	399	2.065	B
EP19038	150.00	50.00	2.50	2.50	0.50	1.00			399	399	3.211	B
EL8033	150.00	50.00	3.00	3.00					400	400	3.143	PSBAC
E22178	150.00	50.00	3.00	3.00	1.00	2.00			398	398	3.150	C
EP18164	150.00	50.00	3.00	3.00	6.00	3.00			390	390	3.080	B
EP19609	150.00	50.00	4.00	4.00					398	398	4.147	SC
EP11518	150.00	50.00	5.00	5.00	3.00	1.00			395	395	5.111	C
E22168	150.00	75.00	6.00	6.00	10.00				432	432	6.707	C
EP1239	150.00	80.00	6.00	6.00	5.00				451	451	7.005	C
E26562	150.00	80.00	6.00	6.00	5.00				451	380	7.063	C
EP16465	150.00	100.00	5.00	5.00	10.00	7.50			483	483	6.379	SC
EP13822	152.00	76.00	6.00	6.00	6.00	2.00			446	446	6.924	SC
E22179	152.00	76.20	6.35	6.35	1.60	2.00			455	455	7.410	C
E01795	152.40	38.10	3.20	3.20					381	381	3.181	P
E03267	152.40	76.20	6.35	6.35	1.60	0.25			454	454	7.397	C
EP15156	152.40	101.60	6.35	6.35	6.30	2.00			497	497	8.191	C
E22154	160.00	100.00	3.00	3.00					520	520	4.115	C
EP11556	160.00	106.00	6.00	6.00	6.40				521	521	8.135	C
EL8034	180.00	50.00	3.00	3.00					459	459	3.628	C
EP16762	190.00	90.00	4.00	4.00	1.00				558	558	5.875	C
EP19037	200.00	50.00	2.80	2.80	0.50	1.00			499	499	4.262	SC
EL8035	200.00	50.00	3.00	3.00					500	500	3.953	SBA
E22155	200.00	50.00	4.00	4.00					500	500	5.227	C
EP21204	200.00	100.00	4.00	4.00	10.00	6.00			583	583	6.159	C
EH3532	203.20	50.80	4.75	7.92	0.80				507	507	6.977	C
E22173	250.00	50.00	3.00	3.00					600	600	4.763	SC
EP19036	250.00	50.00	3.00	3.00	0.50	1.00			599	599	5.321	C
EP15970	300.00	50.00	3.00	3.00	0.50	1.50			699	699	5.934	SC
EP8251	365.00	100.00	6.00	6.00	6.00	6.00			920	920	14.677	C

Squares Solid

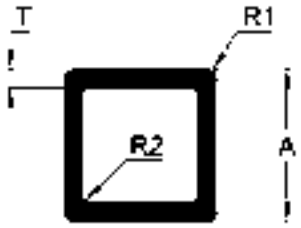
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX6500	6.00								100	100	0.097	B
EX6501	10.00								100	100	0.270	PBW
EX6502	12.00								100	100	0.389	PB
EP16906	14.00								100	100	0.529	B
EX6503	16.00								100	100	0.691	PB
EX6504	20.00								100	100	1.080	PBW
EX6505	25.00								100	100	1.688	PB
EX1117	31.75								127	127	2.832	B
EX6506	40.00								160	160	4.256	BC
EX6507	50.00								200	200	7.025	C
EX6508	65.00								260	260	11.408	C

Square Hollows



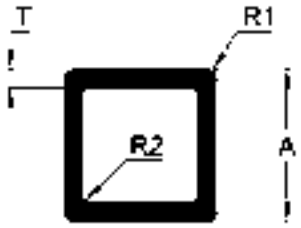
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EL8001	12.00		1.60	1.60					100	100	0.180	W
EH2913	12.70		1.57						100	100	0.189	B
EQ4681	16.00		1.20		1.57	0.38			100	100	0.186	B
EP8516	16.00		1.75		1.60				100	100	0.264	P
EP15437	18.95		1.20		1.50				100	100	0.225	P
EP12679	19.00		1.20		1.00				100	100	0.228	PB
EALH0544	19.00		1.80		1.50				100	100	0.329	P
EG8354	19.02		1.57		1.57	0.38			100	100	0.290	B
EALH11169	19.05		1.15						100	100	0.223	P
EK1333	19.05		1.20						100	100	0.231	PBW
EG5799	19.05		1.83		1.57	1.57			100	100	0.340	PBW
EB1000	20.00		1.20						100	100	0.244	BW
EL6216	20.00		1.60		1.00				100	100	0.316	BW
E22101	20.00		1.60						100	100	0.319	PBW
EALH12288	20.00		2.50						100	100	0.472	P
EP13738	20.00		2.80		2.50				100	100	0.506	S
E51872	20.00		3.00		3.00				100	100	0.529	PB
EL2299	20.00		3.00						100	100	0.551	PSB
EP15622	25.00		1.30		2.50				100	100	0.322	BW
EL8819	25.00		1.50		1.60	1.60			100	100	0.381	BW
E22103	25.00		1.60						100	100	0.404	PBW
EME50165	25.00		2.00		3.00				100	100	0.479	S
EN3238	25.00		2.00		1.60	1.60			100	100	0.497	B
E22113	25.00		2.00						184	100	0.497	B
EQ4067	25.00		3.00		3.00	3.00			100	100	0.713	PBA
EL8003	25.00		3.00						100	100	0.713	PSBW
E22120	25.00		3.00		3.00				100	100	0.692	PSBW
EALH23705	25.40		1.20		2.00	0.80			100	100	0.305	B
E50413	25.40		1.20		3.20	1.60			100	100	0.297	B
E22114	25.40		1.22		0.80				100	100	0.317	PB
EG1842	25.40		3.25			3.18			100	100	0.777	P
EU9316	30.00		1.60		2.50				116	116	0.478	W
E22127	30.00		1.60		3.00	2.00			115	115	0.477	BW
EG3496	31.75		3.18			0.80			127	127	0.981	B
EG1857	31.75		4.75						127	127	1.416	B
EALH10989	32.00		1.60						127	127	0.527	P
EQ1557	32.00		2.00						128	128	0.648	PB
EL8005	32.00		3.00						128	128	0.940	PSBAW
EP10014	32.00		3.00		3.00	2.00			123	123	0.928	SBA
E51264	37.35		2.50		5.00				141	141	0.896	B

Square Hollows



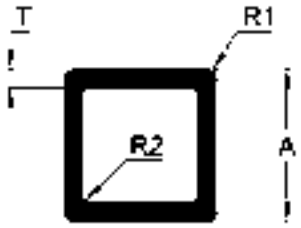
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EN9549	38.00		2.00		2.80	0.80			147	147	0.761	B
EP9743	38.00		2.00						151	151	0.777	B
EP1483	38.00		2.50		2.80				147	147	0.940	B
E02130	38.10		1.60						152	152	0.631	B
EG2803	38.10		2.92			3.18			152	152	1.133	B
EALH0038	38.10		3.18						152	152	1.199	P
EP7163	40.00		1.60		3.20	2.00			154	154	0.648	B
EL7938	40.00		1.60						159	159	0.664	PSBAW
EQ4000	40.00		2.00						160	160	0.821	PB
EQ6818	40.00		2.00		3.00	0.50			154	154	0.801	SBW
EU7743	40.00		2.50						160	160	1.012	PB
EN9769	40.00		2.50		3.75	1.25			154	154	0.984	B
E22108	40.00		3.00						159	159	1.198	PSBAW
E73599	40.00		3.00		3.00	2.00			155	155	1.185	PSBW
EP7164	40.00		3.00		3.20				154	154	1.175	PSBW
EP17130	40.00		4.00		3.00	1.50			155	155	1.540	A
EP2977	40.00		7.10		0.50				159	159	1.397	B
EK5979	44.45		2.36						178	178	1.073	B
EN8367	45.00		1.80						180	180	0.840	B
E22109	45.00		2.50						180	180	1.148	PBW
EP10439	45.00		7.00						179	179	2.873	P
EP16500	50.00	50.00	1.80		6.00				190	190	0.894	B
EQ6446	50.00		1.60		6.30				189	189	0.796	PBA
EQ2259	50.00		1.60						200	200	0.836	PSBW
E22116	50.00		1.70		6.00				190	190	0.846	BW
EQ4584	50.00		1.95		6.35				189	189	0.963	B
EP12031	50.00		2.00		6.00	4.00			190	190	0.990	SBW
EB1003	50.00		2.00						200	200	1.037	PSBA
EL8008	50.00		2.50						200	200	1.283	PBAW
EP19647	50.00		3.00		3.00	3.00			195	195	1.523	SB
EP12033	50.00		3.00		6.00	3.00			190	190	1.460	PSBACW
EB1004	50.00		3.00						200	200	1.523	PSBACW
EP22538	50.00		4.00		6.00	2.00			190	190	1.913	P
EP15366	50.00		4.00						199	199	1.987	W
EP12032	50.00		5.00		6.00	1.00			190	190	2.349	PSB
EP10392	50.00		5.00		3.00				195	195	2.411	B
EL4998	50.80		1.83		6.30				192	192	0.922	PB
EB1242	50.80		1.85		6.30				192	192	0.932	B
E09511	50.80		2.00						203	203	1.053	BW
EK1537	50.80		2.03			4.32			192	192	1.019	PBCW

Square Hollows



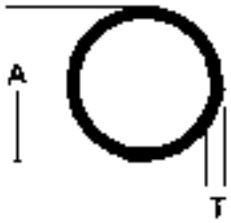
Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EQ6822	50.80		3.00		6.35				192	192	1.481	P
EL6217	50.80		3.18		3.18				198	198	1.612	BACW
E11901	50.80		3.20		4.75				195	195	1.598	PSBACW
EP7619	50.80		4.00		5.55				194	194	1.955	SCW
EQ1351	60.00		1.60		0.80	1.50			239	239	1.013	B
EQ6326	60.00		2.00		6.00				229	229	1.206	B
EP13805	62.00		5.00		6.00	2.00			238	238	3.004	B
E06230	63.50		3.20			3.20			254	254	2.108	C
EP13846	63.50		4.50		7.50				241	241	2.758	C
EQ6382	65.00		2.50						259	259	1.687	PB
EP22726	65.00		3.00		6.00	3.00			250	250	1.946	B
EU2011	65.00		3.00		5.00	5.00			251	251	2.009	SBCW
EL8536	65.50	65.50	1.60		1.60				259	259	1.098	B
EL8435	70.00		1.60	1.60					277	277	1.176	B
E22124	75.00		1.60						299	299	1.268	B
EQ6032	75.00		3.00		6.00	3.00			290	290	2.270	PSBW
EP9568	75.00		4.00						299	299	3.067	P
EALH9258	75.00		5.00		5.00	1.00			291	291	3.735	PW
EP13665	75.00		6.35		6.00	0.50			290	290	4.625	C
EP17729	76.00		6.35		1.00				302	302	4.775	C
EQ4171	76.00		6.35		16.00	9.65			277	277	4.398	SC
EP11531	76.20		3.00		6.00	3.00			294	294	2.309	C
EME436	76.20		3.18						304	304	2.504	S
E11077	76.20		6.35		15.90				278	278	4.416	SC
EQ1108	80.00		6.00			4.00			320	320	4.833	C
E22129	80.00		6.00		1.00	2.00			320	320	4.803	SC
EB1206	80.00		6.50		12.50				299	299	4.881	C
EALH22379	90.00		2.00		3.00				355	355	1.882	B
EP19113	90.00		3.00		6.00	3.00			350	350	2.756	S
E22119	100.00		3.00		1.40				398	398	3.138	SBAC
EP24218	100.00		3.00						399	399	3.143	S
EN5813	100.00		3.20		2.00	2.00			397	397	3.345	BC
EP21419	100.00		3.20		6.35				389	389	3.275	B
EP11740	100.00		4.50		9.50				384	384	4.490	SC
EP13751	100.00		6.00		6.40	0.50			389	389	5.997	C
EP13662	100.00		6.00		12.00	6.00			379	379	5.841	SC
EL8009	100.00		6.00						400	400	6.091	C
EG7152	101.60		6.35		12.70	6.35			384	384	6.252	SC
E05620	127.00		6.35		12.70				486	486	7.994	C
EP13699	150.00		3.00		3.00	1.60			595	595	4.748	SC

Square Hollows



Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EP24111	150.00		3.00						599	599	4.763	S
EP12030	150.00		16.00		3.00	3.00			595	595	23.155	C
EP24081	160.00		7.00		12.00	5.00			619	619	11.291	C
EP4953	178.00		9.00		8.00	5.00			698	698	16.336	C

Round Tubes

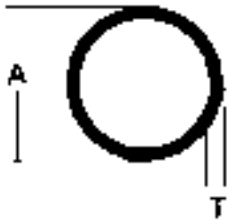


Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX2264	7.92		1.20						100	100	0.068	B
EX2004	9.52		1.27						100	100	0.089	B
EX5098	10.00		1.60						100	100	0.113	B
EX5002	12.00		1.00						100	100	0.093	B
EX5003	12.00		1.20						100	100	0.110	B
EX5004	12.00		1.60						100	100	0.141	B
EX2018	12.70		0.81						100	100	0.082	B
EX2020	12.70		1.42						100	100	0.136	B
EX2240	13.08		2.79						100	100	0.244	B
EX5123	14.00		2.73						100	100	0.261	B
EX2026	15.88		1.22						100	100	0.152	PB
EX2027	15.88		1.42						100	100	0.174	B
EX2028	15.88		1.63						100	100	0.197	B
E40717	15.90		1.60						100	100	0.194	B
E40082	15.90		2.10						100	100	0.248	B
EQ5731	16.00		1.20						100	100	0.151	BW
EX5005	16.00		1.20						100	100	0.151	BW
EX5006	16.00		1.60						100	100	0.195	PBAW
E40149	19.00		1.20						100	100	0.181	PBW
E40201	19.00		3.20						100	100	0.429	BW
EX2195	19.04		1.65						100	100	0.243	P
EX2033	19.04		2.41						100	100	0.340	A
EME334	19.05		1.22						100	100	0.185	P
EX5062	19.05		1.30						100	100	0.196	B
EALH9075	19.05		1.60						100	100	0.237	P
EALH0523	19.05		3.20						100	100	0.430	P
EX2232	20.00		1.20						100	100	0.191	B
EX5008	20.00		1.60						100	100	0.250	PBAW
EX5160	20.00		2.25						100	100	0.339	B
EX2247	20.95		4.06						100	100	0.582	B
EALH0029	20.96		5.72						100	100	0.738	P
EX2230	21.59		1.12						100	100	0.194	B
EL5483	22.00		1.50						100	100	0.261	B
EX5080	22.20		1.60						100	100	0.280	B
EX2309	25.00		1.00						100	100	0.204	B
EX5009	25.00		1.20						100	100	0.242	B
EX5010	25.00		1.60						100	100	0.318	PBAW
E40519	25.00		2.00						100	100	0.390	PB
EX5011	25.00		3.00						100	100	0.560	PSBACW
EALH0018	25.02		5.01						100	100	0.848	S

Round Tubes

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
E00211	25.15		1.50						100	100	0.349	B
EL5482	25.40		1.22						100	100	0.250	B
EX2046	25.40		1.22						100	100	0.250	B
EX2047	25.40		1.63						100	100	0.329	B
EX2048	25.40		3.18						100	100	0.599	C
EX2307	27.00		4.60						100	100	0.874	C
EX5076	28.00		1.20						100	100	0.273	B
EX5012	28.00		1.60						100	100	0.358	PB
EX2302	28.00		3.00						100	100	0.638	C
E36759	30.00		2.50						111	111	0.537	B
EALH0165	30.23		5.02						100	100	1.073	S
EX2056	31.75		1.63						100	100	0.416	B
EX2059	31.75		2.34						100	100	0.584	C
EX5084	32.00		1.20						101	101	0.314	B
EX5013	32.00		1.60						100	100	0.413	PBW
EX5110	32.00		2.00						100	100	0.509	PBA
EX5014	32.00		3.00						101	101	0.738	PSBACW
EALH0117	33.32		6.93						105	105	1.554	S
EALH0196	33.32		7.77						105	105	1.684	S
EP14384	33.40		3.00						105	105	0.774	BW
E40233	35.00		4.00						110	110	1.052	P
E40724	37.00		3.25						116	116	0.929	B
EX5075	38.00		4.50						119	119	1.279	SCW
EX2078	38.09		3.25						119	119	0.960	BCW
E40015	38.10		2.00						120	120	0.612	PBW
EALH12166	38.10		3.00						120	120	0.893	B
E40016	38.10		3.25						120	120	0.961	PSBW
EX5106	39.50		8.25						124	124	2.193	S
EX2222	39.70		10.10						125	125	2.536	S
EX5015	40.00		1.60						125	125	0.521	PBAW
EX5016	40.00		2.00						125	125	0.645	PB
EX5017	40.00		3.00						126	126	0.942	PSBACW
E40539	40.00		6.00						126	126	1.731	C
EX2093	42.16		3.56						132	132	1.166	B
EX2096	43.18		4.39						136	136	1.445	B
EX2099	44.45		1.78						140	140	0.644	B
EX2101	44.45		3.25						139	139	1.136	BW
EALH0417	44.50		3.20						140	140	1.121	P
EALH0252	45.00		9.05						227	227	2.684	S
E40700	46.00		3.50						144	144	1.262	PBW

Round Tubes



Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX2215	46.00		9.75						144	144	2.998	C
EALH0189	46.02		8.82						145	145	2.785	S
EX2252	46.99		1.09						147	147	0.424	B
E40704	47.60		3.50						150	150	1.309	B
EX5112	48.00		3.00						151	151	1.145	B
E40672	48.00		4.00						150	150	1.493	B
EP13736	48.24		4.47						152	152	1.660	C
EX2281	48.26		3.68						152	152	1.392	B
E40718	48.30		3.25						152	152	1.242	W
EP13737	48.40		2.60						152	152	1.010	B
EU6703	48.40		3.25						152	152	1.245	B
E40677	48.40		4.00						152	152	1.507	B
E40699	48.40		4.50						152	152	1.677	W
EP1171	48.40		6.30						152	152	2.250	C
EX2202	48.41		4.47						152	152	1.666	PSBCW
EALH0222	49.99		10.50						157	157	3.518	S
E40540	50.00		1.20						157	157	0.497	B
EX5018	50.00		1.60						157	157	0.657	PBW
EX5019	50.00		2.00						157	157	0.814	PBW
EX5041	50.00		3.00						157	157	1.196	PSBACW
EP11188	50.00		3.00						157	157	1.196	C
EX5081	50.00		4.00						157	157	1.561	PSBCW
EP7790	50.00		5.00						157	157	1.909	PB
E40545	50.00		6.00						157	157	2.238	SBCW
EX5049	50.55		2.41						158	158	0.984	B
EX5090	50.55		2.64						159	159	1.073	A
E40024	50.80		1.60						160	160	0.666	PCW
EX2009	50.80		1.63						160	160	0.680	B
EALH0443	51.00		9.75						160	160	3.412	S
EX2269	52.37		5.54						164	164	2.201	B
EALH0290	54.00		9.35						170	170	3.541	S
EALH0407	54.00		10.00						170	170	3.732	S
EX2257	56.90		1.75						179	179	0.819	B
EB1025	57.15		3.18						180	180	1.456	B
E40099	57.15		4.47						180	*000	2.000	B
EX2127	57.15		5.38						180	180	2.363	B
EX2128	57.15		6.35						180	180	2.736	C
EX2129	57.15		12.70						180	180	4.788	C
EX5021	60.00		2.00						188	188	0.984	PBW
EX5022	60.00		3.00						188	188	1.450	PBCW

Round Tubes

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX5071	60.00		5.00						188	188	2.333	PSBCW
EX5074	60.00		6.00						188	188	2.748	PCW
EX2132	60.33		3.91						190	190	1.871	BCW
EP3283	61.40		8.00						193	193	3.624	B
E40094	63.50		3.20						199	199	1.637	PB
EX2137	63.50		3.25						199	199	1.661	B
E40098	63.50		3.95						199	199	1.995	PBA
E40032	63.50		6.35						199	199	3.078	C
EX2138	63.50		6.35						199	199	3.078	PSAC
EX2227	63.53		2.31						200	200	1.200	B
EP14702	65.00		2.00						204	204	1.069	A
EX2204	65.50		4.75						200	200	2.367	PB
EP19148	68.20		3.00						214	214	1.659	B
EX2241	69.85		2.67						219	219	1.521	B
E40249	69.85		4.00						219	219	2.232	C
EX2148	73.03		5.16						229	229	2.971	C
E40721	75.00		3.00						235	235	1.832	B
E40688	76.00		1.60						239	239	1.009	B
E40703	76.00		4.25						239	239	2.587	W
EA2528	76.00		6.00						239	239	3.563	B
EX2150	76.19		2.03						239	239	1.277	C
EX2151	76.19		2.64						239	239	1.647	W
EX2152	76.19		3.25						239	239	2.011	PB
EX2207	76.19		4.75						239	239	2.876	SBCW
EX2153	76.19		6.35						239	239	3.762	SBC
EALH9170	76.20		1.25						239	239	0.794	P
E40034	76.20		2.00						239	239	1.259	B
EP13843	76.20		3.20						239	239	1.981	B
EP9144	76.20		3.80						239	239	2.334	A
EP8552	76.20		3.80						239	239	2.334	SB
E40154	76.20		4.70						239	239	2.850	PB
EX5023	80.00		2.00						251	251	1.323	PBA
EX5024	80.00		3.00						251	251	1.959	PSBC
EX5073	80.00		4.00						251	251	2.579	C
EX5032	80.00		6.00						251	251	3.766	SC
E40038	82.55		5.20						260	260	3.412	B
EX2160	88.90		3.25						279	279	2.361	C
EX2161	88.90		5.33						279	279	3.778	SC
E40039	88.90		6.35						279	279	4.446	C
EX2162	88.90		6.40						279	279	4.479	S

Round Tubes

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX5114	90.00		3.00						283	283	2.214	C
EX2163	95.25		2.03						299	299	1.604	C
E40576	100.00		1.60						314	314	1.335	B
EX5025	100.00		2.00						314	314	1.663	PB
E40722	100.00		2.50						314	314	2.068	B
EX5026	100.00		3.00						314	314	2.468	PBC
EX5060	100.00		4.00						314	314	3.257	BC
EB1027	100.00		6.00						314	314	4.784	C
EX5030	100.00		10.00						314	314	7.634	C
EALH9031	100.40		2.30						314	314	1.914	A
EX2214	101.60		1.60						319	319	1.357	PB
EQ7007	101.60		1.80						320	320	1.524	B
E40042	101.60		3.20						319	319	2.671	B
EX2168	101.60		3.25						319	319	2.719	C
EX2170	101.60		6.35						319	319	5.130	SC
EX2173	101.60		12.70						319	319	9.577	C
E40612	102.00		16.00						320	320	11.670	C
EX5066	110.00		2.00						346	346	1.832	B
E40166	114.30		2.20						359	359	2.092	PB
EX2180	114.30		6.35						359	359	5.814	SC
EP0214	125.00		2.00						393	393	2.087	B
EALH9132	125.00		3.00						393	393	3.105	P
EX5034	125.00		6.00						393	393	6.056	C
EX5072	125.00		10.00						393	393	9.755	C
E40670	127.00		1.60						399	399	1.701	B
E40682	127.00		2.80						399	399	2.951	C
E40644	127.00		3.00						399	399	3.155	S
EX5070	127.00		3.20						399	399	3.360	C
EX5099	127.00		4.30						399	399	4.477	C
EX2190	127.00		19.04						399	399	17.437	C
E40632	135.90		2.65						426	426	2.995	C
EX5065	140.00		10.00						440	440	11.027	C
EX5126	140.40		5.70						441	441	6.512	C
E40649	141.00		8.00						442	442	9.023	C
E40117	146.00		3.25						459	459	3.930	C
E40664	150.00		3.00						471	471	3.741	C
EX5121	152.00		2.03						478	478	2.582	C
EX5100	152.00		4.75						478	478	5.932	C
E40176	152.00		22.20						478	478	24.259	C
EX2194	152.40		2.64						479	479	3.354	C

Round Tubes

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX2007	152.40		3.25						479	479	4.112	C
E40252	152.40		4.75						479	479	5.949	C
E40200	152.40		5.20						479	479	6.493	C
EX2196	152.40		9.52						479	479	11.538	C
EX2197	152.40		22.23						479	479	24.546	C
EX5079	153.60		12.70						483	483	15.178	C
E40657	158.75		3.20						499	499	4.222	C
EX5029	160.00		10.00						502	502	12.723	C
EU8373	162.00		6.00						509	509	7.939	C
EX5145	165.00		5.00						518	518	6.786	C
EX2277	168.28		4.75						529	529	6.589	C
EX5077	177.80		12.70						559	559	17.785	C
EP8302	178.00		2.50						559	559	3.722	C
EX5069	180.00		3.00						565	565	4.504	C
E40604	180.00		6.00						565	565	8.856	C
EX5064	200.00		12.00						628	628	19.136	C
E40634	203.20		3.00						638	638	5.094	C
EX5078	205.60		12.70						646	646	20.780	C
E40203	212.14		4.47						666	666	7.873	C
E40216	219.00		4.44						688	688	8.080	C
E40215	219.20		8.20						688	688	14.669	C
E40698	250.00		6.00						785	785	12.418	C

Round Bars

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EQ6445	8.00								100	100	0.136	B
EX6000	10.00								100	100	0.212	BW
EX6001	12.00								100	100	0.305	PBW
EX3015	12.70								100	100	0.342	P
EX6023	14.00								100	100	0.416	PC
EX3020	15.88								100	100	0.535	B
EX6002	16.00								100	100	0.543	SBACW
EAL3232	19.05								100	100	0.769	P
EX6003	20.00								100	100	0.848	PBCW
EAL10312	21.03								100	100	0.941	S
E20303	22.00								100	100	1.026	S
EX3028	22.23								100	100	1.032	C
E20304	24.00								100	100	1.221	P
EAL12628	25.00								100	100	1.325	S
EX3000	25.40								100	100	1.369	SBC
EX6004	27.00								100	100	1.546	S
EX3035	28.58								100	100	1.733	C
E20306	30.00								100	100	1.909	C
EX3038	30.16								100	100	1.929	SC
EX3040	31.75								100	100	2.226	C
EX6005	33.00								104	104	2.309	SC
E20329	35.00								110	110	2.597	C
EX6036	36.00								113	113	2.749	S
EAL12308	37.00								116	116	2.903	P
EX3098	38.09								120	120	3.075	C
EX6006	39.00								123	123	3.227	SC
E20335	39.60								124	124	3.325	C
EX6007	42.00								132	132	3.892	C
EX6008	45.00								141	141	4.294	BC
EAL4083	48.00								151	151	4.887	P
EX6010	50.00								157	157	5.301	C
EX3053	50.80								160	160	5.473	C
EX6011	55.00								173	173	6.415	SC
E20315	60.00								188	188	7.634	C
EX3058	60.33								190	190	7.718	C
EX6012	65.00								204	204	8.959	C
EX6013	70.00								220	220	10.391	C
EX6014	75.00								236	236	11.929	C
EX3066	76.19								239	239	12.310	C
EX6015	80.00								251	251	13.570	C

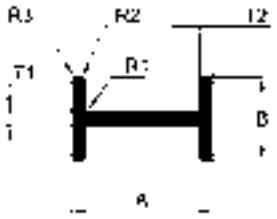
Round Bars

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX6016	90.00								283	283	17.176	C

Hex Bar

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EX1207	11.10								100	100	0.288	B
E20399	20.00								100	100	0.935	PB

I Beams

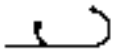
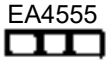
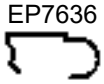


Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EQ1961	22.00	18.00	1.50	1.50		0.75	0.75		110	110	0.221	B
EP19360	25.50	20.00	3.00	3.00					123	123	0.482	B
E00793	88.90	38.10	4.75	6.35	6.35				310	310	2.376	B
EP5402	100.00	75.00	6.40	4.80	9.50	3.20	1.00		463	463	3.689	C
EG6460	101.60	76.20	4.75	6.35	9.40				482	482	3.958	SC
E22015	130.00	80.00	4.75	6.35	4.00	3.18	3.18		552	552	4.238	SC
EAL11335	140.00	90.00	8.00	8.00	4.00	4.00	4.00		603	603	6.549	C
EL4432	150.00	150.00	12.00	12.00	16.00				844	844	14.655	C
E05679	152.40	101.60	7.90	9.50	3.20	0.80			687	687	8.078	C
EP13969	165.10	101.60	5.60	7.90	7.80	3.95	3.95		699	699	6.658	SC
EU7083	176.00	80.00	5.00	8.00	5.00				649	649	5.669	SC
EN5812	178.00	153.00	10.00	13.00	5.00				939	939	14.901	C
EP13970	190.50	111.10	5.85	8.90	7.80	4.45	4.45		786	786	8.114	C
EG6461	203.20	101.60	7.92	11.10	11.43				777	777	10.263	C
EN5219	216.00	80.00	5.00	8.00	8.00				724	724	6.388	C
EU8404	220.00	100.00	5.00	10.00	4.00				823	823	8.137	C
E27501	270.00	100.00	6.00	10.00	5.00	1.00	1.00		916	916	9.503	C
EP16347	304.80	127.00	8.90	8.90	11.40				1077	1077	13.297	C
EU8405	316.00	150.00	6.00	8.00	6.00				1209	1209	11.423	C

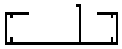
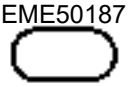
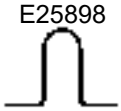
Miscellaneous Extrusion

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP22566 	Holland Blind Tube (For Man Clutch) 43mm	148	148	0.551	B
EP17711 	Cavity SD Channel Serrated 100x20.8x3x2	301	301	0.799	P
EA2592	Damper Main Frame	529	250	1.315	W
E12114	Roller Carriage	227	227	0.716	B

Other Geometric Shapes

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP15199 	50mm Flanged Channel	546	364	5.640	B
EP13806 	Piano Hinge 50mm	171	171	1.933	B
EP7925 	Anodising Plant Splines 40x40	157	157	4.158	B
EQ4521 	Post - Internal Screw Flutes 50.8X50.8	192	192	2.095	SW
EP5435 	Blinds Roller 22mm	122	100	0.265	B
EP15686 	Framing - Mesh Bus Stop 35x30	192	128	0.768	W
EW5480 	Z Shape Door Stop	205	205	1.226	W
EW3931 	Door Track	202	202	0.530	PW
EAL2210 	French Door Adaptor 25.4x19.05x1.57	100	100	0.190	B
EP7637 	Shade Cloth Single Base 42x16	137	100	0.262	B
EW6017 	Marquis Post 164x100	697	697	6.022	C
EA3189 	Mast - Lifting Aparatus 175x70x6 Rad	726	726	5.821	C
EAL20065 	Mat Holder	100	100	0.090	B
EA4555 	Skip Spacer Bar 62x17	151	151	1.441	C
EP7636 	Shade Cloth Fixing Clip 26.4x13.3	111	100	0.186	B

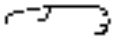
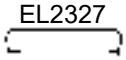
Other Geometric Shapes

Section	Description	AP	PP	Mass Kg/m	Plant Code
EME8341 	Shower Screen Top Rail 44x10.5	156	156	0.350	P
EME30371 	Shutter Rail 28.7x22.73	107	107	0.323	B
EAL12212 	Spray Booth X316	349	145	0.719	P
EQ2029 	Transport V Groove Angle 76x55x5 (R3=2.5)	260	260	1.687	B
EME50187 	Mirror Door Suite - Hanger Rod 30x15	100	100	0.275	P
E16623 	Bead 22.2x15.5	125	100	0.178	W
E25898 	Spreader Bar 170x120x5	747	380	4.982	C

Qubelok Extrusion

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EN9673 	25.40		1.22						143	114	0.392	B
ET7200 	25.40		1.22						114	114	0.346	BW
EH4487 	25.40		1.22						100	100	0.317	BAW
EL6492 	25.40		1.22						126	126	0.371	B

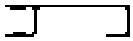
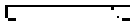
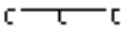
Seating Products

Section	Description	AP	PP	Mass Kg/m	Plant Code
EL2962 	Seating Bench-Back Rest	598	598	1.737	B
EL2327 	Seating Plank	796	365	2.776	SBC

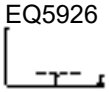
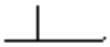
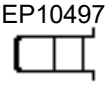
Ladders & Scaffold Plank

Section	A mm	B mm	T1 mm	T2 mm	R1 mm	R2 mm	R3 mm	R4 mm	AP	PP	Mass Kg/m	Plant Code
EH8401 	25.15		2.79						100	100	0.352	B
EW3241 	29.98								106	106	0.467	B
EP9108 	56.30	36.30	2.00						177	177	0.925	B
EME31611 	76.05	30.00							287	161	0.595	P
E14010 	76.45	38.10	2.00						289	115	0.772	B
EME31046 	76.46	35.78							281	281	1.168	P
EAL6325 	76.46	38.10							288	288	0.747	P
EP7278 	94.45	35.36							294	294	0.791	A
EU3221 	110.00	62.00							572	572	1.909	B

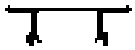
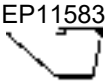
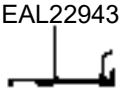
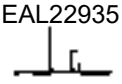
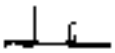
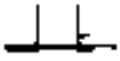
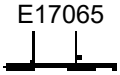
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP8105 	Flooring Airflow 255x43	1113	1113	3.858	C
E16054 	Headboard F Section 160x44	448	448	2.114	B
E25558 	Headboard 254x30	846	564	2.453	C
EQ2027 	Drop Side Infill 47.34x25.34	190	190	0.527	B
EAL22938 	Drop Side Extension 100.1x25	368	145	1.149	P
E17811 	Drop Side Extension 121.9x28	456	456	1.326	B
EAL22952 	Drop Side 223.43x25	617	445	1.788	P
EAL10711 	Drop Side 225x25	624	624	1.864	P
E25158 	Drop Side 235x30	677	677	2.371	C
EAL22932 	Drop Side 250x30	768	384	2.613	C
EP14298 	Drop Side 288x45	903	602	2.910	C
E73211	Bullbar Wrap 50x5.0	107	100	0.570	W
E73113	Bullbar Wrap 80x6.0	171	171	1.388	W
E32995 	Bullbar Spotlight Bracket 88x36	228	228	2.932	PB
EP17589 	Bullbar Channel 100x125x6 Rad	682	455	5.445	C
EP13667	Bullbar Channel 126.5x60.5x5.6 Rad	435	290	3.081	B

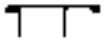
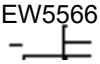
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EQ1364 	Bullbar Channel 128x75x6.0 RAD	533	282	3.947	C
E35781 	Bullbar Channel 128x75x6.0 RAD	527	268	3.969	BC
E26946 	Bullbar Channel 148x100x6.0 RAD	675	343	5.030	C
EP4218 	Bullbar Channel 150x75x6.0 RAD	575	575	4.708	C
EAL7643 	Bullbar Channel 125x100/70x6.0 RAD	567	567	4.334	S
EQ5926 	TLD Bus Window Sill 57.8x34.2	272	105	0.505	B
EP21522 	Canopy Channel 41.3x25x3	207	207	0.836	BAW
EP21521 	Canopy Channel 41.3x41.3x2.5	286	287	0.968	BW
EP12762 	Caravan Trim 115mm	317	317	1.099	A
EP8303 	Caravan Roof Corner 83.86x83.86	333	329	1.155	W
EP11891 	Flooring - Centre Board 92x34.5x3	398	398	1.911	C
E05578 	Chassis Runner 152.4x152.4	882	882	8.529	C
EP1651 	Chassis Runner 230x160	764	764	15.579	C
EP10497 	Chassis Runner 232.6x152.4	804	603	13.881	C
EN5992	Chassis Runner Top 200x60 A Type	683	683	7.284	C

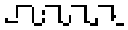
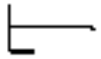
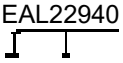
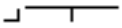
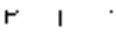
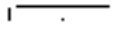
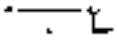
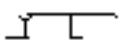
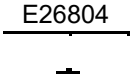
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EN5993 	Chassis Runner 200x110 A Type	961	961	11.678	C
EN3154 	Chassis Runner Base 100x41.5 D Type	295	295	7.328	C
EP11583 	Transport Coaming 216x114x100.4x100	908	368	7.332	C
EP17587 	Coaming Bottom 200x200	720	720	6.580	C
EP10531 	Coaming Bottom 273x178	821	112	8.605	C
EN9375 	Coaming Bottom 294x230	976	976	10.448	C
EP20548 	Coaming Rear Flush 53.5x40	239	158	0.905	P
EAL22943 	Coaming Rear Flush 69x39	273	100	1.115	P
EAL22935 	Coaming Rear 1-2 Tonne 80x40	291	100	1.240	P
EAL22948 	Coaming Rear 4 Tonne 101x39	337	118	1.548	B
EP16036 	Coaming Side 57.5x32	245	165	1.068	P
E31782 	Coaming Side TLD 70x30	263	263	1.123	CW
EAL22936 	Coaming Side 80x32	291	100	1.232	P
E17065 	Coaming Side 93x32.5	320	320	1.514	B

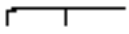
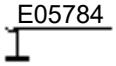
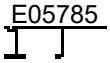
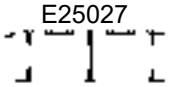
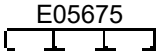
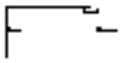
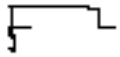
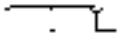
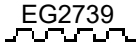
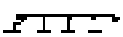
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP15626 	Coaming Side 101x31.25	307	217	1.903	B
EAL22939 	Coaming Side 4 Tonne 101x31.25	327	123	1.605	B
EL9367 	Coaming Side TLD 102x31.6	334	334	1.610	BC
EAL22941 	Coaming Side 16 Tonne 138.6x37	414	155	2.497	P
E05507 	Coaming Side 152.4x54	518	518	2.760	C
EW6163 	Coaming Side Ute 65x42	273	273	1.293	W
EL6404 	Coaming Top 142x82 mates EL6405	553	553	4.693	C
EL6405 	Coaming Top 169x83 mates EL6404	613	613	5.273	C
EN5987 	Coaming Top 192x180	687	687	10.155	C
EP11585 	Coaming Top 232x140	1043	112	10.608	C
EW5566 	Combing Rail	1005	1005	8.508	C
EAL20188 	Curtain Track 75x50.3	435	435	2.072	P
EG1431 	Drip Mould 30.15x25.58	120	100	0.419	B
EB1209 	Flooring Plank End 90.1x63.7	368	368	1.065	W
EP11892	Flooring - Finisher 65x54.5x3	223	223	0.929	C

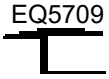
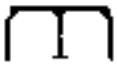
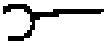
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
E25638 	Flooring Airflow 255x40	1066	1066	3.415	C
EAL22950 	Flooring Plank Front 1 Tonne 83x45.1	308	111	0.871	P
E19950 	Flooring Plank End 150x51.5	420	420	1.304	B
EAL22934 	Flooring Plank Front 1-2 Tonne 151x51	514	185	1.428	S
EAL22944 	Flooring Plank Front 4 Tonne 154.5x70.8	604	193	1.796	P
EAL22940 	Flooring Plank 176.34x41	578	164	1.703	S
EAL10712 	Flooring Plank 2 Tonne 181.4x25.4	550	550	1.520	P
EAL22949 	Flooring Plank 186.8x25.4	456	167	1.275	P
EAL22931 	Flooring Plank 1-2 Tonne 188x25.5	498	160	1.393	PS
EAL10710 	Flooring Plank 190x25.4	510	510	1.447	P
EP11523	Flooring Plank 190.16x25.4	551	551	1.595	B
EP13687 	Flooring Plank 191.35x40.4	605	404	1.807	B
EAL22942 	Flooring Plank 168.41x73	751	160	2.975	P
EAL22933 	Flooring Plank 192.85x40	632	166	1.939	PB
E26804 	Flooring Plank 207.3x66.85	624	202	2.741	C
EAL8744	Flooring Plank 208.7x29.5	567	185	1.416	P

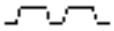
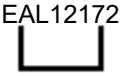
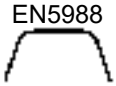
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
E05784 	Flooring Plank 217.05x66.85	700	700	2.681	C
E05785 	Flooring Plank 226.45x66.85	849	849	3.752	C
E25027 	Flooring Plank 250x75	1147	1147	4.067	C
E05675 	Flooring Plank 257.2x38.1	1008	1008	3.868	C
EAL22951 	Floor Rear 1 Tonne 117.15x53.8	441	100	1.451	P
E31785 	Flooring Plank Rear TLD 144x62.6	555	194	1.914	W
E30472 	Flooring Plank Rear 145x93	676	676	2.724	A
EP13761 	Flooring Plank 191.35x41	607	405	1.830	P
EAL12675 	Van Body Corner 100x100x4	392	197	1.760	B
EP14384 	Tube 33.4x3	105	105	0.774	BW
EP18507 	H-Mould 42x6.1	130	130	0.207	A
EW2162	Ute Tray Headboard Plank	783	783	2.246	C
EG2739 	Headboard 228.6x22.23	678	678	2.133	P
E17445 	Hinge Section 48.3x20	145	145	0.926	B
E17446 	Hinge Section 114x10	274	274	1.963	P
EP11890 	Flooring - Main Board 219.2x34.5x3	862	862	4.119	C

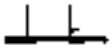
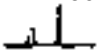
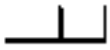
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ5709 	Floor Trap Mould 45x19.83	168	100	0.539	B
EP1056 	Rear Post 140x70	663	663	5.969	C
EP10530 	Rear Post 143x75	428	285	8.790	C
E30278 	Rope Track 2 Throat 27.5x12.2	129	100	0.272	B
EH7644 	Rope Track 28.17x12.53	100	100	0.230	PBAW
EL3317 	Rope Track Double Flange 43.4x10	129	100	0.284	BW
EL7667 	Rope Rail Bracket 75x34.5	272	272	1.897	P
E19919 	Rope Rail Bracket 75x55	340	340	2.643	C
E17067 	Rope Rail Bracket 95x33 Rad	267	267	1.615	B
EN1595 	Rope Rail Bracket 114.3x30.6	392	392	2.479	P
EK1811 	Rope Rail Bracket 146x50.8	475	475	4.220	C
ET2633 	Rub Rail Single 74.59x23.79x1.57	214	214	0.450	B
EAL22954 	Rub Rail 76.2x12.7	179	179	1.148	P
EAL22953	Rub Rail 101.6x13	227	152	1.166	P
EAL12312 	Rub Rail Double 109.5x19X1.5	310	310	0.623	P
E00841	Rub Rail Double 109.5x19x1.6	325	325	0.693	B

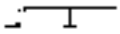
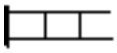
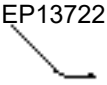
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EE4099 	Rub Rail Double 109.5x19.05	318	318	0.693	PW
EP8616 	Axle Block 56mm	217	217	3.487	B
EP1007 	Splash Guard 141.86x112	475	475	2.117	B
EAL12172 	Channel 127x80x6.0(R1=12,R2=6)	553	553	4.066	P
E31635	Stock Crate Siding 170x11	416	416	1.387	C
EN4046	Stock Crate Siding 170x11	414	414	1.396	C
EN3827 	Stock Crate Siding 90x11	225	225	0.780	C
EN3828	Stock Crate Siding 150x11	360	360	1.212	BC
EN9602	Stock Crate Siding 170x11	437	437	1.894	PSC
EP21937 	Tailgate 141.7x67.51	451	300	4.382	C
EN5988 	Tailgate Stiffener 150.96x70	471	471	2.803	SC
EN4828	Tailgate 160x13	346	346	5.391	C
E25687 	Tailgate 180x110	572	572	5.956	C
EN4826 	Tailgate Aon Plate 210x50	503	503	5.765	C
E27010 	Tailgate Bottom 105x85.5	372	248	5.260	C
EW5567	Top Rail	683	683	8.556	C

Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP13660 	Transport Fluted Tube 32x3	112	112	0.667	B
EW2161 	Ute Tray 40X25 Return Lip Channel	186	186	0.613	A
EP13723 	Transport Curtain Tarp Tube 53x3.8	190	165	1.750	SC
EQ2029 	Transport V Groove Angle 76x55x5 (R3=2.5)	260	260	1.687	B
EW2153 	Ute Tray 30mm Side Coaming	282	282	1.206	BA
EW2156 	Coaming Rear Raised 79.2x38	276	276	1.280	A
EN5989 	Tailgate 95x40	280	280	3.237	C
EW2165 	Ute Tray Headboard Outer Corner	327	327	1.812	B
EP14340 	Transport Coaming 112.3x45	385	257	2.603	B
EP20339 	TWA544 Tipper Body Rear Corner Post	594	396	7.766	S
EW2160 	Ute Tray 25mm Rope Rail Bracket	340	340	2.433	A
EN7806 	Transport 150x150	537	537	12.536	C
EP15638 	Coaming Inner 167x147	845	563	7.151	C
EP16694 	Transport Corner Post 180x145x4 Rad	792	528	6.863	C

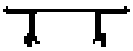
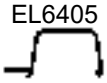
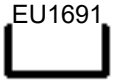
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EW2152 	Ute Tray 151mm Floor Plank	555	555	1.604	A
EW2151 	Ute Tray 177mm Floor Plank	565	565	1.547	C
E05591 	Coaming Top Tailgate 215.9x114.3	897	598	6.902	C
E05550 	Coaming Top Tailgate 216x114	933	933	7.524	C
E05569 	Chassis Runner 232.6x152.4 B Type	1245	1245	11.902	C
EP13721 	Transport Light Bar 289x76	781	781	9.408	C
EP13057 	Ute Tray Drop Side	667	667	2.183	A
EP11642 	Transport Main Runner 160x150	621	621	10.317	C
EP12677 	Large Main Runner Beam	1320	1005	18.012	C
EP13722 	Mudguard 251x157	686	686	4.620	C
EP14490 	Tipper Cap 100x41.5	296	198	6.587	SC
EP15723 	Tipper Beam 180x150	655	655	11.415	C
EA2519 	Transport Door Track 196x128	793	793	4.588	C
EQ2094 	TLD Rear Coaming	291	291	1.412	B
EP16713	Transport- 145mm Stock Crate Siding	398	266	1.431	C

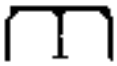
Transport Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EA2824 	Drop Side 250mmx40mm	756	389	2.113	C
EW5565	Walk Plank	952	952	10.311	C

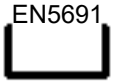
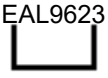
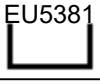
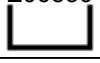
Tippers / Tanker

Section	Description	AP	PP	Mass Kg/m	Plant Code
E05578 	Chassis Runner 152.4x152.4	882	882	8.529	C
EP1651 	Chassis Runner 230x160	764	764	15.579	C
EP10497 	Chassis Runner 232.6x152.4	804	603	13.881	C
EN5992 	Chassis Runner Top 200x60 A Type	683	683	7.284	C
EN5993 	Chassis Runner 200x110 A Type	961	961	11.678	C
EN3154 	Chassis Runner Base 100x41.5 D Type	295	295	7.328	C
EP10531 	Coaming Bottom 273x178	821	112	8.605	C
EN9375 	Coaming Bottom 294x230	976	976	10.448	C
EL6404 	Coaming Top 142x82 mates EL6405	553	553	4.693	C
EL6405 	Coaming Top 169x83 mates EL6404	613	613	5.273	C
EN5987 	Coaming Top 192x180	687	687	10.155	C
EU1691 	Channel 254x115x12.5(R2=6)(R3=R4=2)	919	612	15.127	C
EH8137 	CH 97.79x76.2x6.35x4.75 Lip 22.23x4.75 Multi Rad	541	541	3.985	C
E10174 	CH101.6x76.2x6.35Lip25.4x6.35R1=R2=1R4=3.2R5=1.6	562	375	4.806	SC
EP1056	Rear Post 140x70	663	663	5.969	C

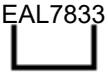
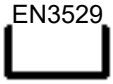
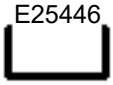
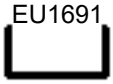
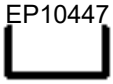
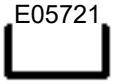
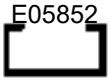
Tippers / Tanker

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP10530 	Rear Post 143x75	428	285	8.790	C
EP1007 	Splash Guard 141.86x112	475	475	2.117	B
EN5988 	Tailgate Stiffener 150.96x70	471	471	2.803	SC
EN4828	Tailgate 160x13	346	346	5.391	C
E25687 	Tailgate 180x110	572	572	5.956	C
EN4826 	Tailgate Aon Plate 210x50	503	503	5.765	C
E09628 	Tophat 106.2x76.2 Rad	495	330	3.084	B
EN5989 	Tailgate 95x40	280	280	3.237	C
E05591 	Coaming Top Tailgate 215.9x114.3	897	598	6.902	C
E05550 	Coaming Top Tailgate 216x114	933	933	7.524	C
E05569 	Chassis Runner 232.6x152.4 B Type	1245	1245	11.902	C

BullBars

Section	Description	AP	PP	Mass Kg/m	Plant Code
E73211	Bullbar Wrap 50x5.0	107	100	0.570	W
E73113	Bullbar Wrap 80x6.0	171	171	1.388	W
E32995 	Bullbar Spotlight Bracket 88x36	228	228	2.932	PB
EQ1364 	Bullbar Channel 128x75x6.0 RAD	533	282	3.947	C
E35781 	Bullbar Channel 128x75x6.0 RAD	527	268	3.969	BC
E26946 	Bullbar Channel 148x100x6.0 RAD	675	343	5.030	C
EP4218 	Bullbar Channel 150x75x6.0 RAD	575	575	4.708	C
EAL7643 	Bullbar Channel 125x100/70x6.0 RAD	567	567	4.334	S
EN5691 	Channel 250x110x12(R1=19)(R2=7)(R3=R4=1.6)	891	891	14.083	C
EL7540 	Channel 100x45x4.9(R2=5)	365	365	2.413	B
E25411 	Channel 125x70x6(R2=5)(R3=R4=1.5)	502	502	3.982	C
EQ2556 	Channel 127x63.5x6x9(R1=12)(R2=6)	481	481	4.728	C
E05804 	CH 133.35x88.9x9.55(R1=12.7)(R2=6.35,R3=R4=3.2)	581	581	7.366	C
EAL9623 	Channel 150x70x6(R1=10)(R2=4)	556	556	4.406	S
EU5381 	Channel 152x63x6(R1=12.5)	528	528	4.177	B
E06330 	Channel 152.4x76.2x9.55(R1=15.9)(R2=6.35)	571	571	7.121	C
EAL12325	Channel 180x80x5.5(R1=11)(R2=5.5)	654	331	4.780	P

BullBars

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EU6362 	Channel 180x80x6(R1=12)(R3=R4=1)	651	651	5.186	C
EAL7833 	Channel 180x80x6x9(R1=9)(R2=5)	656	656	6.447	C
EN3529 	Channel 200x90x8x10(R1=10)(R2=4)(R3=R4=1)	730	730	8.648	C
E25446 	Channel 250x110x12(R1=19)(R2=7)(R3=R4=1.6)	891	891	14.083	C
EU1691 	Channel 254x115x12.5(R2=6)(R3=R4=2)	919	612	15.127	C
EP10447 	Channel 304.8x101.6x8.9(R1=15)(R2=12)(R3=R4=1)	973	973	11.683	C
E05721 	CH 381x152.4x9.5x12.7(R1=15.9,R2=15.9,R3=R4=0.8)	1324	1324	19.572	C
EH8137 	CH 97.79x76.2x6.35x4.75 Lip 22.23x4.75 Multi Rad	541	541	3.985	C
E05852 	CH 305x152.5x10 Lipped 13x13(R1=R2=2,R3=2,R4=15)	1172	782	15.663	C
EP0372 	Channel 175x100x75x7(R2=8)(R3=R4=1)	664	664	6.162	C
EQ4183 	Channel 200x90x50x6x8(R1=15)(R2=10)	647	647	5.860	BC
E26927 	Channel 350x175x150x20(R2=25)(R3=R4=1)	1276	647	16.987	C
EX4023	Flat Bar 40x6	100	100	0.648	PSBACW
EX4031	Flat Bar 40x10	100	100	1.080	PSBACW
EX4008	Flat Bar 50x3	106	106	0.405	PSBACW
EX4032	Flat Bar 50x10	120	120	1.350	PSBACW

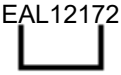
BullBars

Section	Description	AP	PP	Mass Kg/m	Plant Code
EX4009	Flat Bar 60x3	126	126	0.486	PW
EX4070	Flat Bar 60x10	140	140	1.620	PBW
EX4025	Flat Bar 80x6	172	172	1.296	PSBCW
EX4072	Flat Bar 80x8	176	176	1.728	PSBC
EX4033	Flat Bar 80x10	180	180	2.160	PSBACW
E20061	Flat Bar 80x12	184	184	2.592	SB
EX4011	Flat Bar 100x3	206	206	0.810	PBW
EX4026	Flat Bar 100x6	212	212	1.620	PSBACW
EQ6144	Flat Bar 125x6	261	261	2.025	B
EX4027	Flat Bar 160x6(R1=R2=1)	330	330	2.590	PBC
EX4035	Flat Bar 160x10	340	340	4.320	PSBC
EX4024	Flat Bar 50x6(R1=R2=1)	110	110	0.808	SBCW
EK1150	Flat Bar 50.8x3.96(FR)	106	106	0.535	P
EP9811	Flat Bar 60x5(FR)	126	126	0.796	B
EB1092	Flat Bar 80x6.3(FR)	167	167	1.336	PB
EB1093	Flat Bar 100x6.3(FR)	207	207	1.676	C
EP7910	Flat Bar 100x8(R1=R2=1)	214	214	2.157	BC
E71996	Tee 38x63x4x8(R1=3)(R2=R3=FR)(R4=FR)	198	198	1.663	W
E40016	Tube 38.1x3.25	120	120	0.961	PSBW
EX5017	Tube 40x3	126	126	0.942	PSBACW

BullBars

Section	Description	AP	PP	Mass Kg/m	Plant Code
EX2101 	Tube 44.45x3.25	139	139	1.136	BW
E40704 	Tube 47.6x3.5	150	150	1.309	B
EX5112 	Tube 48x3	151	151	1.145	B
EU6703 	Tube 48.4x3.25	152	152	1.245	B
E40677 	Tube 48.4x4	152	152	1.507	B
EX2202 	Tube 48.41x4.47	152	152	1.666	PSBCW
EX5041 	Tube 50x3	157	157	1.196	PSBACW
EX5081 	Tube 50x4	157	157	1.561	PSBCW
EP7790 	Tube 50x5	157	157	1.909	PB
EX5022 	Tube 60x3	188	188	1.450	PBCW
EX5071 	Tube 60x5	188	188	2.333	PSBCW
EX2132 	Tube 60.33x3.91	190	190	1.871	BCW
E40094 	Tube 63.5x3.2	199	199	1.637	PB
EX2137 	Tube 63.5x3.25	199	199	1.661	B
E40098 	Tube 63.5x3.95	199	199	1.995	PBA
E40032 	Tube 63.5x6.35	199	199	3.078	C
EX2138 	Tube 63.5x6.35	199	199	3.078	PSAC
EX2152 	Tube 76.19x3.25	239	239	2.011	PB
EX2207 	Tube 76.19x4.75	239	239	2.876	SBCW
EX2153 	Tube 76.19x6.35	239	239	3.762	SBC
EP9144	Tube 76.2x3.8	239	239	2.334	A

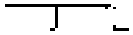
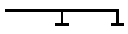
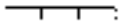
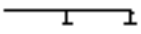
BullBars

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP8552 	Tube 76.2x3.8	239	239	2.334	SB
E40154 	Tube 76.2x4.7	239	239	2.850	PB
EX2162 	Tube 88.9x6.4	279	279	4.479	S
EX2170 	Tube 101.6x6.35	319	319	5.130	SC
EAL12172 	Channel 127x80x6.0(R1=12,R2=6)	553	553	4.066	P

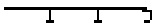
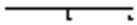
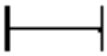
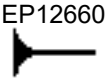
Marine Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ3462 	Marine Internal Coaming 90x16	260	114	1.096	P
EU9824 	Gunwhale 39x25	144	100	0.617	B
EQ3279 	Gunwhale 47x32	205	107	0.831	B
E53192 	Gunwhale 50x25	220	109	0.960	B
EU3862 	Gunwhale 56x36	270	150	1.234	B
EP13765 	Boat Facia 50x16	149	100	0.583	B
EP13685 	Boat Facia 90x16	259	259	1.017	P
EW4463 	Boat Gunwhale Accepts 3mm	311	311	1.441	B
EW6164 	Marine Windscreen Socket 17.25x27	148	148	0.402	W
EU4601 	Chine 26.75x21.44	124	124	0.686	B
EP13683 	Chine 35x24	144	144	0.990	B
EL6077 	Chine 35x30	158	158	1.065	B
EL6421 	Keel Tmr 35x30	166	166	1.067	B
EL6052 	Keel Tmr 58x30	204	204	1.376	B
EL6051 	Keel Tmr 61x36	271	271	2.294	B

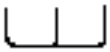
Marine Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP6100 	Marine Rider Bar 80x8.0	174	174	1.360	C
EP8932 	MarineTow Eye 115x50.01	286	286	8.486	C
EW3539	Bulb Flat 150x19x6.0 Rad	330	330	2.685	C
EL9067 	Bulb Flat 50x14x4.5	122	122	0.732	C
EH9987 	Bulb Flat 76.2x19.05x5.38	182	182	1.392	C
EL6940 	Bulb Flat 98.7x19.05x5.38	227	227	1.719	C
EP16214 	Bulb Flat 127x19x6 Rad	284	284	2.417	C
EP12538 	Marine Deck Joiner	394	394	1.103	C
E26674 	Fender 250x165.2	1026	481	10.011	C
E25467 	Flooring Plank Marine 224.5x32.5	603	200	1.764	C
E25248 	Flooring Plank Marine 242x45	701	701	2.513	C
EN8093 	Flooring Plank Marine 267.73x37	771	771	2.107	SC
EP7758 	Flooring Plank Marine 331x32.5	929	929	2.457	C
EP8360 	Flooring Plank Ferries 353.78x61.20	958	958	11.521	C
EN6328 	Flooring Plank Marine 373.12x37	1008	1008	4.112	C
EP11942	Flooring Plank Marine 376.75x32.8x3.15	1048	1048	4.504	C

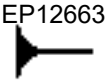
Marine Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
E27149 	Flooring Plank Marine 415x40	1089	399	4.184	C
EP5438 	Flooring Joiner 230x119	712	712	13.596	C
EL9436 	Flooring Plank Oyster Punt 228x50	555	555	3.437	C
EP5118 	Ship Side Panel Gl 366x60	1097	1097	4.854	C
EU8404 	I Beam 220x100x5x10(R1=4)	823	823	8.137	C
EU8405 	I Beam 316x150x6x8(R1=6)	1209	1209	11.423	C
EP3724 	Tee 35x128x8x5(R1=4)(R2=R3=1)(R4=1)	320	320	2.391	C
E35475 	Tee 40x60 Rad	183	183	1.279	C
E27297	Tee 100x308x8x5(R1=8)	806	806	6.281	C
EP10656 	Tee 120x402x12x6(R1=8)(R2=R3=1)(R4=1)	1034	1034	10.277	C
EW5406 	Gunwhale 200x80	617	617	2.483	C
EW5409	Keel Channel 50x25x3	186	186	0.735	W
EA2071	Tee 35x50x2(R1=3)	166	166	0.458	CW
EA3052 	50mmx30mm Half Round	176	176	0.777	PW
EP12661	Tee 50x100x5.5 Marine Rad	279	279	2.415	C
EP12660 	Tee 40x70x4 Marine Rad	202	202	1.466	C

Marine Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP13453 	Marine Rub Rail 76.2x38.1x3.05	239	239	0.941	P
EP13855 	Coaming Fascia 89.87x16	263	263	1.156	P
EP13659 	Marine Transom 100x40x3 Rad	416	416	1.709	B
EP2522 	Bulb Flat 150x19x6.0	328	328	2.742	C
EP12881 	Bulb Flat 156x33x5.0	366	366	2.891	C
EA3053	39.0 x 3.0mm Half Round	142	142	0.531	W
EP5746 	Marine Hinge 55x50	187	187	5.673	C
EP13724 	Marine Box Rib 38x33.2	139	139	1.096	B
EP6101 	Marine Rider Bar 50x8.0	114	114	0.874	C
E36974 	Spray Chine Rail Marine	419	419	3.767	C
EP12542 	Marine Louvre 83.5x36	272	272	0.512	W
EP12543 	Marine Transport-Louvre Spacer	245	245	1.864	W
EP4034	Flooring Plank Marine 360x25 Double Skin	929	929	4.520	C
E08059 	Marine Cover 38.1x12.7	103	100	0.394	P
E36378 	Pontoon Handrail 75x65x2.5 Rad	275	217	1.764	P
E36376	Pontoon Stringer 100x93x2.5	372	372	2.279	B

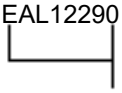
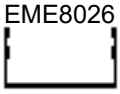
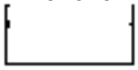
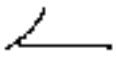
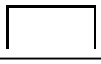
Marine Sections

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EE4200 	Sailtrack 31.75x11.89x3.18	119	100	0.484	A
EW5405 	52.5 x 52.5 x 3.0mm V Chine	209	209	0.827	W
E25487 	Sponson 187x120x7.6	725	725	7.412	C
EP12541 	Marine Sponson Cap	298	298	4.173	C
EP12187 	Boat Building Stiffener 50x8.0	114	114	0.885	C
EP12186	Boat Building Stiffener 80x8.0	174	174	1.371	C
EQ1633 	Top Hat 63.5x31.75	238	122	0.948	PB
EB1763 	Top Hat 65.13x28.58x2.36	226	226	0.707	B
EP12663 	Tee 40x60x3.5 Marine Rad	180	180	1.328	C
EP12665 	Tee 40x80x4.5 Marine Rad	222	222	1.621	C
EP12666	Tunnel Section 320 x 50	685	685	4.647	C
EP12667	Tunnel Section 320 x 70	723	723	6.277	C
EP12539 	Trapesoidal Section	358	358	6.783	C
E35577 	Marine Window Mullion 100x80	320	320	3.794	C

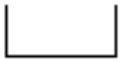
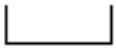
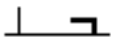
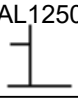
Yacht Masts

Section	Description	AP	PP	Mass Kg/m	Plant Code
EK4621 	Yacht Mast 67.14x51.26x1.75	277	277	1.072	A
EL1902 	Yachtmast 105mm	386	386	1.659	C
E25405 	Yatch Mast 152.5 x 114.5 x 3.2	460	460	3.826	C
E11466 	Yacht Mast 66.7x50.8	276	276	0.922	P
E40263	Tube 152.4x2.4	479	479	3.054	C

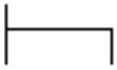
Coolroom / Portable Buildings

Section	Description	AP	PP	Mass Kg/m	Plant Code
E73421 	Internal Angle 40x40xRad Ends2.0 x1.5	160	100	0.318	W
EAL22080 	Coolroom Angle 40x40x1.5 Rad	160	160	0.314	A
EAL12290 	Coolroom Doorjamb 54x31	204	117	0.409	PA
EME8026 	Coolroom Channel 55.8x30x1.5 Anti Vermin	229	121	0.505	P
EN8887 	Coolroom Channel 80x38x1.5 Anti Vermin	309	161	0.675	B
EQ3076 	Coolroom Channel 80.3x38x1.5 Anti Vermin	310	100	0.670	BW
EQ3077 	Coolroom Channel 105.3x38x1.5 Anti Vermin	360	100	0.771	BW
EAL22075 	Coolroom Channel 106x38x1.5 Anti Vermin	362	189	0.769	A
EP5139 	Coolroom Channel 156x38.5 Anti Vermin	463	239	1.249	BW
EL8529 	Coolroom Channel 55.8x30x1.5 Anti Vermin	229	121	0.505	BAW
E32045 	Coolroom Channel 81x38x1.5 Anti Vermin	311	162	0.670	PB
ET7490 	Coolroom Arrowhead Trim 50.6x25.4	143	100	0.298	BW
EAL3265 	Coolroom Arrowhead Trim 50.8x19.05	147	100	0.308	B
E52865 	Rope Track 28x12.7	100	100	0.234	B
EAL12431 	Coolroom Channel 50.7x25.4	206	106	0.354	PA

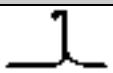
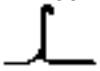
Coolroom / Portable Buildings

Section	Description	AP	PP	Mass Kg/m	Plant Code
E20825 	Coolroom Channel 53.4x25x1.2	203	108	0.325	B
ET5513 	Coolroom Channel 53.96x25.4	206	108	0.355	B
E51877 	Coolroom Channel 78.2x38x1.6	304	155	0.648	B
ED7672 	Coolroom Channel 92x25x1.5x2.5	278	145	0.761	B
E51852 	Coolroom Channel 103.2x38x1.6	354	181	0.756	B
ED7673 	Coolroom Channel 117x25x1.5x2.5	327	170	0.945	B
ET4834 	Coolroom Channel 117.47x25.4 Rad	328	172	1.188	B
EAL22077 	Coolroom Channel 117.6x25.4 Rad	328	169	1.194	A
ET4833	Coolroom Channel 168.27x25.4x1.52x3.17	429	222	1.622	PB
EP5134 	Coolroom Door Track 150x40	470	320	2.935	BA
EQ4034 	Coolroom Coving 35.0	121	100	0.205	BW
EAL22076 	Coolroom Channel 92.1x25.4 Rad	277	146	0.974	A
EAL22078 	Coolroom Channel 168.3x25.4x1.5x3.2	430	219	1.632	BA
EAL12509 	Coolroom Corner Joiner 80.6x77.6x1.4 /Post 50	468	312	0.873	PB
EP10727	Coolroom Corner Joiner 115x105.2x2 /Post 75	582	222	1.561	B

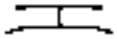
Coolroom / Portable Buildings

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EME9287	Coolroom Corner Joiner 76.6x53.2x1.6 /Post 50	352	131	0.753	A
EAL12231	Coolroom Corner Joiner 77.6x77.6x1.4 /Post 50	461	307	0.863	P
EQ4712 	Coolroom Door Track 71.5x30	285	285	1.332	B
EME9209 	Coolroom Coving 35.0	123	123	0.257	B
EL8530 	Coolroom Coving 35.0	119	100	0.358	BW
EQ4559 	Coolroom Coving 35.0	120	100	0.197	B
EAL12220 	Coolroom Coving 50.0	183	100	0.433	B
EAL5661 	Coolroom Coving 50.0	196	100	0.473	P
EL8340 	Coolroom Coving 50.0	181	100	0.474	BW
EU6648 	Coolroom Coving 75.0	271	133	0.766	BA
EAL12219 	Coolroom Coving 77.43	261	124	0.798	B
EN8888 	Coolroom Door Frame Channel 54x30.7 Rad	203	113	0.378	B
EAL10264 	Coolroom Door Jamb 53.5x37x1.6	251	251	0.538	B
EME8926 	Coolroom Door Track 80x50	387	387	2.435	W
EAL7112	Coolroom Door Track 90x50	291	291	1.615	W

Coolroom / Portable Buildings

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
E31964 	Coolroom Door Track 90x50	291	291	1.615	B
EAL12443 	Coolroom Door Track 90x56	303	303	1.615	P
EN2664 	Coolroom Door Track 90x56	302	302	1.698	B
EME31637 	Coolroom Door Track 94x70	385	104	1.791	B
EQ4713 	Coolroom Door Track 139x40	432	390	2.692	B
E36063 	Coolroom Top Track 148x40	469	469	2.912	B
EME10031 	Coolroom F Section 58x45x1.8 Rad	248	107	0.603	PW
E73435	Coolroom F Section 60x47x1.8	256	110	0.623	W
EQ7044	Freezer Plank 386.6x27	822	822	10.951	C
EP8298 	Freezer Plate 58x43	213	213	2.406	W
E51261 	I Beam 54x48x1.5 /I Beam 50	297	102	0.595	B
E61129 	I Beam 54x50.8x1.6 /I Beam 50	305	305	0.659	B
ET4837 	CoolroomChannel 92.07x25.4	277	149	0.971	B
EAL3648 	Rope Track 27.57x11.1	100	100	0.220	B
E70628 	Rope Track 28.15x13.2	100	100	0.231	W

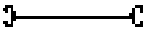
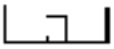
Coolroom / Portable Buildings

Section	Description	AP	PP	Mass Kg/m	Plant Code
EAL12426 	Rope Track Double Flange 45x11.5	131	100	0.296	B
E09628 	Tophat 106.2x76.2 Rad	495	330	3.084	B
E16234 	Tophat 66.4X25.4X3.0	202	202	0.813	B
E14698 	Wallboard H Section 34.5x9	138	100	0.194	B

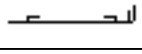
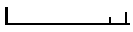
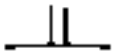
Sign Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ4208 	Sign Bracket 26x22	169	100	0.965	B
EP9871 	Sign Frame 28.50x25.50	186	186	0.632	B
E32953	Signs Blade 200mm	535	430	1.631	B
EK8891 	Sign Brace Rail 28.5x25.5	186	100	0.694	PSBAW
E73601 	Sign Brace Rail 40x42 WA Type B	201	201	1.229	W
E53477 	Sign Brace Rail 44x40 WA Type A	202	102	1.315	B
EP10260 	Sign Brace Rail 44x40	294	104	1.358	BW
E73605 	Sign Brace Rail 47.5x25.5 WA Type A1	265	265	1.072	BW
E53261 	Sign Brace Rail 76.5x51	301	301	1.511	B
EL6514 	Road Barrier Board 190x30	569	569	1.817	B
E35973	Sign Blade Bulb Edge 152.4x12.7	329	329	1.372	B
EP13745	Sign Blade Bulb Edge 200.03X12.7	424	424	1.764	B
EP14635	Sign Blade Anti Vandal 202.8x17.5	426	426	2.177	B
EH2884	Sign Blade Bulb Edge 203.2x15.88	436	436	2.545	C
EN4403	Sign Blade Tee Edge 199x20	459	459	1.685	B
EME6379	Sign Blade Tee Edge 149.45x19.05	348	348	1.669	PA

Sign Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ3712	Sign Blade Tee Edge 149.45x19.05	348	348	1.663	B
E33394 	Sign Blade Tee Edge 152x18	357	203	1.324	B
E33395	Sign Blade Tee Edge 199x19	454	254	1.770	B
EQ3713	Sign Blade Tee Edge 199.45x19.05	448	448	1.960	PAC
EP8720 	Sign Blade Grooved Edge 150x22.75	432	347	1.174	W
E53092 	Sign 150mm Surround	109	100	0.210	B
E53086 	Sign 200mm Surround	162	100	0.432	B
E53084 	Sign Frame Strengthener	264	105	0.588	B
E53091 	Sign 140mm Sign Box	591	142	1.244	B
EL8955 	Sign Box Frame 147.5x23.2	517	198	1.457	B
EME8889 	Sign Box Frame 148x19	516	100	1.276	P
E32391 	Sign Box Frame 150x20	526	351	1.559	B
EAL10669 	Sign Box Frame 150x20	527	527	1.415	B
E34852 	Sign 200mm Sign Box	672	150	1.906	B
EME8261 	Sign Box Frame 177.8x19.05	492	492	1.541	P
E32175	Sign Box Frame 195x27	655	249	2.268	B

Sign Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EME30739 	Sign Box Frame 195x27	652	250	2.300	P
EAL12417 	Sign Box Frame 200x20.5	612	249	2.024	P
EP15244 	Sign C Strutt Joiner	377	377	1.744	W
E33479 	Sign Post Bracket TD1 78x69 ID 61	246	246	3.495	B
EME8946 	Sign Post Bracket 98.8x40 Gap 8.6	346	346	1.872	P
E52822 	Sign Post Bracket 104.8x33.25 to E52823	272	140	1.116	B
E52823 	Sign Post Bracket 107.2x38.35 to E52822	294	140	1.172	B
EME5768 	Sign Post Bracket 105.35 to EME5769	406	271	1.740	P
EME5769 	Sign Post Bracket 107.91 to EME5768	428	428	1.796	P
EH7680 	Sign Post Bracket 105x33.23 to EH7681	273	138	1.135	B
EH7681 	Sign Post Bracket 108x33.23 to EH7680	294	152	1.190	B
EME5457 	Sign Post Bracket 105x33 to EME5458	272	272	1.074	P
EME5458 	Sign Post Bracket 107.25x33 to EME5457	294	294	1.132	P

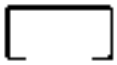
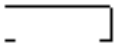
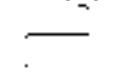
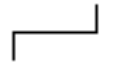
Ceiling Systems

Section	Description	AP	PP	Mass Kg/m	Plant Code
E05080 	Tee Ceiling 36.5x36.5x1.15	145	100	0.247	W
E71826 	Trim W Ceiling 25x25x1.5	100	100	0.157	W

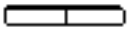
Conveyor Tube

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP8733 	Tube 152.40X5.0 (Conveyor)	479	479	6.251	C
EP8734 	Tube 152.4X6 (Conveyor)	479	479	7.451	C
EP18947 	Tube 178x6.35 (Conveyor)	559	559	9.246	C
EP19481 	Tube 219x6.35 (Conveyor)	688	688	11.454	C

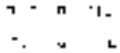
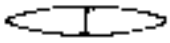
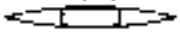
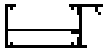
Purlin

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ1559 	Purlin C10030 100x50x3 RAD	453	453	1.835	C
EN2207 	Purlin C20025 200x80x2.5 RAD	796	796	2.688	C
EP13502 	Purlin Channel 250x90x3 Rad	953	953	3.860	C
EN2371 	Purlin C25030 250x90x3.5 RAD	951	951	4.087	C
EN2372 	Purlin C30035 300x100x3.5 RAD	1110	1110	5.243	C
EN2907 	Purlin C30040 300x106x4 RAD	1127	1127	6.051	C
EP11734	Purlin C30035DL 332x100x3.5 RAD	1109	1109	5.240	C
EN2373 	Purlin Z15020 150x70x2 RAD	669	669	1.808	C
EN2374	Purlin Z20025 200x86x2.5 RAD	828	828	2.797	C
EL7570 	Purlin Z29055 287.5x95 RAD	937	937	7.909	C
E25811 	Purlin Z35098 350x98x89x3.5 RAD	1148	1148	5.401	C

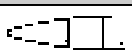
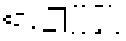
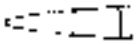
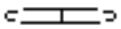
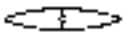
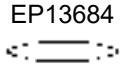
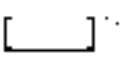
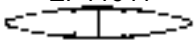
Quiklok Slat Screen

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP15692 	F1 Fencing/Screen Adaptor 30x35	220	147	0.583	BW
EP7822 	RHS 38x16x1.6(R1=1)(R2=0.4)	106	106	0.437	BW
EQ6823 	RHS 65x16x1.2(R1=3)	157	157	0.496	PBAW
EP12022 	RHS 100x16x1.2x1.4 Partitioned (R1=3)(R2=1.6)	227	227	0.780	BW
EQ6818 	Square Hollow 40x2(R1=3)(R2=0.5)	154	154	0.801	SBW
EP12031 	Square Hollow 50x2(R1=6)(R2=4)	190	190	0.990	SBW
EPD0262 	Louvre Sun Control Blade 67x15	144	144	0.545	B

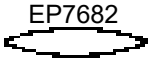
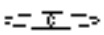
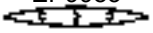
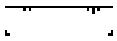
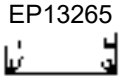
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP14023 	BL45 - Louvre Centre Blade 100x45	544	363	1.788	B
EP9282 	Louvre Elliptical Blade 150x29	312	312	1.560	PB
EP9732 	Louvre Elliptical Blade 200x25	408	408	2.371	SBA
EP14150 	40mm Fixing Bracke 49x50x4	286	191	1.467	B
EP15199 	50mm Flanged Channel	546	364	5.640	B
EP13475 	BL50 Louvre End Snap 20mm	288	192	0.811	B
EP13295 	BL50 Louvre End Box 150mm	546	350	2.580	B
EP20576 	BL75 - Louvre Lock Clip 66x26.5	296	296	0.801	B
EP13691 	BL45 - Louvre 150x45 Self Mating Centre Blade	684	456	2.421	B
EP15127 	BL75 - Louvre End Snap 20x75mm	347	232	0.983	P
EP17158 	Louvre 75 Blade Clip	289	193	0.778	B
EME9077 	Air Control 62x47.5	255	121	0.521	P
EP17219 	BL75 - Louvre Bull Nose End Snap 80x75mm	527	352	1.869	P
EP8686 	Louvre	204	204	0.644	B
EP21593 	BL45 - Louvre Adaptor	523	349	2.854	S
EP22834	BL45 - Louvre Elliptical Bullnose Blade 150x45	486	313	2.384	B

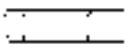
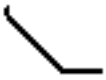
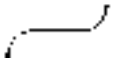
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP13373 	BL40 - Louvre Bull Nose 150mm	481	321	2.052	S
EP15125 	BL75 - Louvre Intermediate Box 200x75mm	855	570	4.934	C
EP15126 	BL75 - Louvre End Box 220x75mm	744	496	5.125	C
EP17116 	BL75 - Louvre End Box 275x75mm	854	825	6.530	C
EP15124 	BL75 - Louvre Bull Nose Blade 300x75mm	842	615	6.809	C
E52946 	Louvre 60mm	162	162	0.390	B
EP13688 	Louvre L Blade 60x20	163	163	0.401	B
E71119 	Louvre Z Blade 70Hx32D	204	204	0.448	BW
EP13686 	Louvre Elliptical Blade 88x14	186	186	0.820	B
EP13678 	Louvre Elliptical 100x20 Blade	209	209	1.111	B
EP13764	Louvre Blade 130x90x1.50	436	436	0.904	B
EP13684 	Louvre Elliptical Blade 150x30	313	313	1.738	B
EP14308 	BL45 - Louvre Blade 150x45	537	358	2.469	B
EP11641 	Louvre Elliptical Blade 300x50	619	619	4.737	C
EQ7013	Louvre Box 117x50 Self Mating	381	165	0.747	B

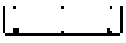
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP7682 	Louvre Elliptical Blade 100x20	210	210	1.034	SBA
EPD0262 	Louvre Sun Control Blade 67x15	144	144	0.545	B
EQ6861 	Louvre Elliptical Blade 90.8x15.8	190	190	0.935	B
EP9983 	Louvre Elliptical Blade 95x13	194	194	0.857	B
EP8707 	102 Curved Louvre Blade 112x25	250	250	1.117	B
EP7919 	152 Curved Louvre Blade 162x25	351	351	1.550	B
E53524 	Louvre Frame 75.5x54.6x1.6 to E53523	299	155	0.640	B
EP16524 	Louvre Frame 100x50	299	299	1.781	B
E52812 	Louvre Frame 101x25	398	195	0.902	B
EP14309 	BL45 - Louvre Infill 45x33	295	197	0.750	B
EP20892 	BL45 - Louvre Blade Snap Joint Clip	222	222	0.603	B
EAL23923 	Louvre L - Blade 79x15	161	161	0.377	B
EP13264 	BL40 - Louvre End Snap 20mm	268	179	0.579	PB
EP17539 	BL40 - Louvre End Snap 50x20mm Mate with P17511	288	192	0.625	B
EP13265 	BL75 - Louvre End Snap 20mm	338	226	0.946	P
EP13263	BL40 - Louvre Intermediate Box 150mm	647	432	2.341	B

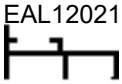
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP17511 	BL40 - Louvre Int. Box 180mm Mate with P17539	593	410	3.301	B
EQ5560 	Louvre Buildout	206	206	0.437	B
E52616 	Louvre Vertical Blade 94.2x69	388	200	0.796	B
E52637 	Louvre ZZ Blade 63Hx48D	254	170	0.575	B
EME6811 	Louvre 45deg Blade 36Hx26D	100	100	0.194	P
EA1148 	Louvre Blade 69x20	234	234	0.421	W
E32590 	Louvre Blade 102x102x4	334	176	1.769	C
EP8278 	Louvre Ombre Blade 209x109	550	550	2.560	C
EP10823 	Louvre L - Blade 58.22x20	166	166	0.489	B
E53522 	Louvre Vertical Blade 94.2x69	388	202	0.770	PBW
EAL7018 	Louvre 45deg Z Blade 43Hx29D	144	144	0.312	P
EB1580 	Louvre Z Blade 63Hx46D	212	142	0.568	B
EL2096 	Louvre Z Blade 63Hx46D	217	171	0.608	BW
EL1926 	Louvre 33deg Z Blade 76.2Hx88.9D	302	277	0.709	B
E04622	Louvre 32.37deg Z Blade 76.2Hx88.9D	315	315	0.775	BW

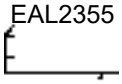
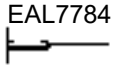
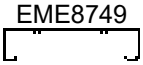
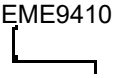
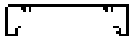
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EL1671	Louvre Type L - 45deg Z Blade 107.43Hx85D	346	311	1.138	BW
EP4974 	Louvre Z Blade 110Hx90D	308	308	1.326	W
E31090	Louvre 50deg Z Blade 152Hx98D	454	454	1.237	A
EN4023 	Louvre ZZ Blade 62Hx48D	258	182	0.586	B
EP17157	Louvre 75 Blade 95Hx74D	330	220	0.638	B
EME5144 	Louvre 45deg ZZ Blade 114.96Hx88.9D	393	194	1.052	P
EME7061 	Louvre 45deg ZZ Blade 122.13Hx75.6D	444	216	1.038	P
E18780	Louvre ZZ Blade 134Hx95D	447	447	1.265	B
E53523 	Louvre ZZ Blade 115Hx95D	435	435	0.918	B
EK6072 	Louvre Type K Bracket 125x85.2 to EL4040	444	358	1.274	B
EL4040 	Louvre Type K - Z Blade 146Hx146D to EK6072	537	510	1.806	PBA
EP19038 	RHS 150x50x2.5(R1=0.5)(R2=1)	399	399	3.211	B
EP19037 	RHS 200x50x2.8(R1=0.5)(R2=1)	499	499	4.262	SC

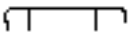
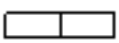
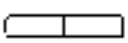
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP19036 	RHS 250x50x3(R1=0.5)(R2=1)	599	599	5.321	C
EP22009 	RHS 50x31.5x1.3 Screw Flutes	162	162	0.678	B
EAL5674 	Louvre Blade 28.5x13 (Mates EAL5673 & EAL7738)	100	100	0.141	B
EAL5907 	Louvre Register Mullion 40x6	113	100	0.446	P
EAL8379 	Louvre Egg Crate Outer Frame 40x25	143	100	0.271	P
EAL5673 	Louvre Frame 40x25 (Mates EAL5674)	145	100	0.278	B
EME31695 	Louvre Blade 25x5	100	100	0.144	P
EAL22040 	Louvre Blade 26x2.5	100	100	0.181	B
EAL3928 	Louvre Half Chevron Blade 26.97x21	100	100	0.178	B
EAL3590 	Louvre Blade 48x38.1	181	100	0.396	B
EAL7175 	Louvre Egg Crate Frame 28.2x11.25	100	100	0.147	B
EME31047 	Louvre Diffuser Frame 27.65x12	119	100	0.219	P
EAL6632 	Louvre Frame 40.13x28.58	178	178	0.373	PB
EAL2426 	Louvre Channel 22.61x6.35 (Mates EAL2345)	100	100	0.092	B
EAL12021 	Louvre Filter Frame 28.65x13.75	123	100	0.213	B

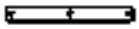
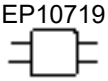
Louvre - Industrial

Section	Description	AP	PP	Mass Kg/m	Plant Code
EAL2355 	Louvre Register Frame 58x25 (Mates EAL2345)	190	190	0.342	B
EAL7784 	Louvre Tee Bar 55.5x19.05 (Mates EAL7738)	161	100	0.343	P
EAL7738 	Louvre Tee Bar 55.5x28.58 (Mates EAL7784)	199	100	0.400	P
EP9799 	150mm Elliptical Louvre Mount to EP9282	480	323	7.107	C
EP9771 	200mm Elliptical Louvre Mount to EP9732	583	378	9.081	C
E52620 	Plain Frame 100x25 To E14695	353	163	0.795	B
E32173	AGS 300-325 Series Frame Flat Filler	171	100	0.373	B
EP7683 	Plain Frame 76x25 to E32173	304	132	0.813	B
EME8749 	Plain Frame 152.4x35	529	248	1.308	P
EME9410 	Louvre Frame 95.25x54	313	149	0.889	P
EP9992 	Louvre Frame 80x50	259	259	1.487	B
EK7485 	Plain Frame 100x25 to EK5846	392	167	1.050	P
EK5846	Plain Frame Filler 82.55x to EK7485	207	100	0.675	P

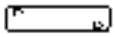
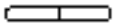
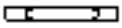
Fencing Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ3064 	Post 34x34	134	134	0.910	B
EQ6395 	Handrail Oval 70x40 (Mates EQ6467)	176	176	0.830	B
EP8082 	Baluster Sq 19x19x1.2 Horizon	100	100	0.327	B
EP2976 	Baluster Sq 16x16x1.5 Horizon	100	100	0.226	B
EP15848 	Fence Post Channel Adaptor 20x25	155	104	0.305	W
EP13666 	Gate Track 80x20	218	146	1.262	B
EQ6210 	Gate Track 60x18	147	100	1.035	B
EP14082 	Gate Track 75x20	211	211	1.043	B
EP6658 	Gate Frame L 40x40x2	159	159	0.820	B
EP15190 	RHS 38x16 Rad Two Part Self Mating Slat	155	104	0.246	B
EP13245 	RHS 65x16x1.2 Two Part Self Mating (R1=3)	209	100	0.334	B
EP12034 	RHS 65x16x1.2 Partitioned (R1=3)	157	157	0.540	PBW
EP13679 	RHS 65x16x1.27 Partitioned (R1=3)	157	157	0.570	B
EP12951 	RHS 65x16x1.40 Rad Partitioned	157	157	0.625	BW
EP17997 	RHS 90x16x1.2 Partitioned (R1=1.6)	207	207	0.701	BW

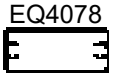
Fencing Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP12952 	RHS 90x16x1.40 Rad Partitioned	207	207	0.814	BW
EP13246	RHS 100x16x1.4 Two Part Self Mating (R1=3)	294	116	0.517	B
EP12072 	Baluster Slat 125x16.00 Rad	277	277	1.211	B
EP14489	RHS 150x16 Rad Two Part Self Mating Slat	383	255	1.021	B
EP12071 	RHS 35x10x1.2(R1=3)	100	100	0.263	B
EP7822 	RHS 38x16x1.6(R1=1)(R2=0.4)	106	106	0.437	BW
EP12950 	RHS 40x16x1.4(R1=3)	107	107	0.387	B
EQ6823 	RHS 65x16x1.2(R1=3)	157	157	0.496	PBAW
EQ6948 	RHS 65x16x1.4(R1=3)(R2=1.6)	156	156	0.576	PBAW
EQ8354 	Square Hollow 19.02x1.57(R1=1.57)(R2=0.38)	100	100	0.290	B
EP8107 	Lattice Frame 50x30x1.6-20mm Gap	366	167	0.813	B
EP10719 	50mm 2way Post 180 Deg 90x50x2.0 Gap 16.5	347	347	1.422	B
EP10720 	50mm 1way Post 70x50x2.0 Gap 16.5	268	268	1.206	BW
EP10721 	50mm 2way Corner Post 90 Deg 70x70x2 Gap 16.5	347	347	1.422	B
EP18510 	50mm Gate Frame	281	188	1.529	B
EP8000 	Baluster 16 Dia Horizon	100	100	0.262	B
EB1406	Glazing Adaptor 46x36.8	221	221	0.880	A

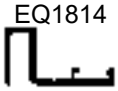
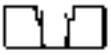
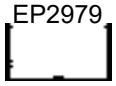
Fencing Extrusions

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP14292 	Screw Fluted Slat 65x16x1.4	157	157	0.661	B
EP18699 	RHS 30x16x1.5	100	100	0.348	P
EP18998 	Flat Infill To Suit EP18999	159	107	0.577	B
EP14430 	Lattice Slat 70x10x1.4	151	151	0.583	B
EP18995 	70x10 Slat With Screw Flutes	158	158	0.785	B
EP18999 	70mm Top Rail	264	176	0.749	B
EP19000 	70mm Self Mating Post	263	176	0.827	B

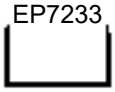
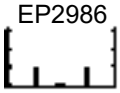
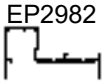
Balustrade Systems

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP8087 	RHS 100x50x1.6 Patio Beam - 6106_T6 only	299	299	1.269	B
EP8659 	Glazed Slimline Post 1 Way 50x25 (Mates P8129)	205	100	1.086	B
EP8130 	Glazed Sq Post 1 Way 50x50 (Mates P8129)	248	181	1.690	B
EQ4078 	Baluster 38x15.8 Horizon	106	106	0.410	B
EQ4521 	Post - Internal Screw Flutes 50.8X50.8	192	192	2.095	SW
EQ3064 	Post 34x34	134	134	0.910	B
EP0189 	Glazed Round Post 3 Way 50 DIA (Mates P0191)	257	119	1.453	B
EP13744 	Glazed Sq Post 2 Way/180deg 50x50	323	216	2.111	B
E52813 	Handrail Glazed 60mm DIA (Mates E10328)	268	169	1.207	B
E52962 	Baluster Round 16 DIA	100	100	0.267	B
EAL23502 	Infil Round 18x9.5	100	100	0.178	B
EAL22898 	Post Split 45x25.5	192	100	0.874	P
EP13743 	Glazed Sq Post 1 Way 50x50	257	171	1.849	B
EQ6395 	Handrail Oval 70x40 (Mates EQ6467)	176	176	0.830	B
EQ6310 	Handrail Glazed Oval 70x40 (Mates EL5564)	232	150	1.082	B
EQ6000	Baluster Oval 35x16	100	100	0.406	B

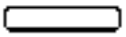
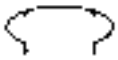
Balustrade Systems

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP8703 	Flat Top Cap 70x33 (Mates P2979)	346	346	0.813	B
EQ4094 	Baluster 75x15.8 Horizon	180	180	0.788	BAW
EQ5738 	Handrail Cap Colonial 64x55 Horizon	387	180	0.810	B
EQ1814 	Glazing Adaptor 32x16.5 (Mates EQ1815)	146	100	0.292	B
EP16277 	Handrail Glazed Flat Top 70x30x2 Rad	276	184	1.258	B
EP2979 	Top/Bot Channel 46.5x25.4 Horizon	206	100	0.442	PB
EP7597 	Post 40x40 Horizon	159	159	1.391	B
EQ5108 	Handrail Glazed Oval 70x29 - Mates Q4530	249	138	1.065	B
EP2984 	Handrail Cap 57x34 Horizon	234	116	0.504	P
EQ1815 	Glazing Bead 9.3x15 (Mates EQ1814)	100	100	0.123	B
EP2980 	Handrail Cap Round 60x50(Mates with) Horizon	315	142	0.716	B
EP1634 	Infil Curved 18.53x9.33 (Mates P1633)	100	100	0.160	B
EP1633 	Glazed Round Post 3 Way 50 DIA (Mates P1634)	314	100	1.598	B
EP2978	Infil 43.35x4.35 Horizon	103	100	0.173	P
EP13700	Handrail Glazed Oval 70x30x1.8	256	171	1.028	B

Balustrade Systems

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP13681 	Handrail Oval 70x30x1.8	163	163	0.768	B
EP8082 	Baluster Sq 19x19x1.2 Horizon	100	100	0.327	B
EP7232	Post Carport 90x90 (Mates P7233)	353	353	1.847	PB
EP7233 	Post Spigot 84x50 (Mates P7232)	352	354	2.265	B
EP2985 	Bead 15.33x15 (Mates P2982) Horizon	102	100	0.147	B
EP2986 	Welded Channel 46.5x25.4 (Mates with) Horizon	238	100	0.502	B
EP2982 	Glazing Adaptor 43.9x25.4 (Mates P1285) Horizon	212	100	0.400	B
EP2981 	Glazing Channel 46.5x25.4 (Mates with) Horizon	284	100	0.597	B
EP2976 	Baluster Sq 16x16x1.5 Horizon	100	100	0.226	B
EN9548 	Handrail Cap 69x50.5 (Mates N9524,N9549)	363	174	0.731	B
EP8129 	Infil Flat 18.4x18.45	101	100	0.254	B
EP6658 	Gate Frame L 40x40x2	159	159	0.820	B
E12002 	Baluster Sq 12.7x12.7x1.6	100	100	0.231	B
EQ3638 	Handrail Glazed 60 DIA (Mates L5564)	246	161	1.134	B
EN9077	Handrail Colonial 74x60	255	255	1.207	B

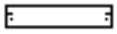
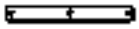
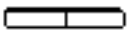
Balustrade Systems

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EU9102 	Handrail Sleeve 76x60 (Mates EU9103)	267	267	1.265	B
EP6367 	Glazed Rnd Post 1 Way 50 DIA (Mates P1634)	206	136	1.492	B
EQ1811 	Channel Top/Bot Rail 38.1x25.4	183	100	0.385	B
EQ6213 	Lattice Main Frame 50x45 - 15mm GAP	415	167	0.743	B
EQ6195 	Lattice Slat 34x7	100	100	0.163	B
EP8026 	Baluster 50x10 Horizon	118	118	0.529	PB
EP8000 	Baluster 16 Dia Horizon	100	100	0.262	B
EP7986 	Handrail Elliptical Cap 77x34 (Horizon	296	142	0.618	B
EP24326 	Square Baluster 50x50x2.5	199	199	1.429	A
EQ6484 	Glazed Sq Post 2 Way/180deg 50x50 (Mates P8129)	298	160	1.816	B

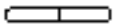
Patio/Carport Extrusion

Section	Description	AP	PP	Mass Kg/m	Plant Code
EL5367 	Patio Beam Connect 50.8x50 (987-211)	305	305	2.756	B
E19351 	Patio Screen Frame 62.5x44	241	241	0.979	P
E16593 	Post Spigot 46x45	259	259	1.486	B
EP0145 	Post Spigot / Beam Connector 44.3x44.3	248	248	1.889	C
EL3263 	Post - Colonial 84x84	264	264	1.122	B
EN1724 	Patex Top Channel 44.45x40 (562-110)	277	127	0.440	B

Privacy Screens

Section	Description	AP	PP	Mass Kg/m	Plant Code
EQ4078 	Baluster 38x15.8 Horizon	106	106	0.410	B
EQ4094 	Baluster 75x15.8 Horizon	180	180	0.788	BAW
EP2976 	Baluster Sq 16x16x1.5 Horizon	100	100	0.226	B
EP13245 	RHS 65x16x1.2 Two Part Self Mating (R1=3)	209	100	0.334	B
EP12034 	RHS 65x16x1.2 Partitioned (R1=3)	157	157	0.540	PBW
EP12951 	RHS 65x16x1.40 Rad Partitioned	157	157	0.625	BW
EP12952 	RHS 90x16x1.40 Rad Partitioned	207	207	0.814	BW
EP13246 	RHS 100x16x1.4 Two Part Self Mating (R1=3)	294	116	0.517	B
EP12072 	Baluster Slat 125x16.00 Rad	277	277	1.211	B
EP14489	RHS 150x16 Rad Two Part Self Mating Slat	383	255	1.021	B
EP12071 	RHS 35x10x1.2(R1=3)	100	100	0.263	B
EP7822 	RHS 38x16x1.6(R1=1)(R2=0.4)	106	106	0.437	BW
EP12950 	RHS 40x16x1.4(R1=3)	107	107	0.387	B
EQ6823 	RHS 65x16x1.2(R1=3)	157	157	0.496	PBAW
EQ6948 	RHS 65x16x1.4(R1=3)(R2=1.6)	156	156	0.576	PBAW
EP12022 	RHS 100x16x1.2x1.4 Partitioned (R1=3)(R2=1.6)	227	227	0.780	BW
EP8107	Lattice Frame 50x30x1.6-20mm Gap	366	167	0.813	B

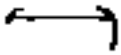
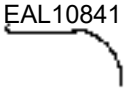
Privacy Screens

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EP22009 	RHS 50x31.5x1.3 Screw Flutes	162	162	0.678	B
EP10721 	50mm 2way Corner Post 90 Deg 70x70x2 Gap 16.5	347	347	1.422	B
EP10720 	50mm 1way Post 70x50x2.0 Gap 16.5	268	268	1.206	BW
EP10719 	50mm 2way Post 180 Deg 90x50x2.0 Gap 16.5	347	347	1.422	B
EP8026 	Baluster 50x10 Horizon	118	118	0.529	PB
EP8000 	Baluster 16 Dia Horizon	100	100	0.262	B
EP14430 	Lattice Slat 70x10x1.4	151	151	0.583	B

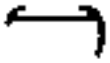
Glazed Fencing

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP8659 	Glazed Slimline Post 1 Way 50x25 (Mates P8129)	205	100	1.086	B
EP8130 	Glazed Sq Post 1 Way 50x50 (Mates P8129)	248	181	1.690	B
EQ4521 	Post - Internal Screw Flutes 50.8X50.8	192	192	2.095	SW
EAL23502 	Infil Round 18x9.5	100	100	0.178	B
EP0189 	Glazed Round Post 3 Way 50 DIA (Mates P0191)	257	119	1.453	B
E52813 	Handrail Glazed 60mm DIA (Mates E10328)	268	169	1.207	B
EQ6395 	Handrail Oval 70x40 (Mates EQ6467)	176	176	0.830	B
EQ6310 	Handrail Glazed Oval 70x40 (Mates EL5564)	232	150	1.082	B
EQ5108 	Handrail Glazed Oval 70x29 - Mates Q4530	249	138	1.065	B
EP1634 	Infil Curved 18.53x9.33 (Mates P1633)	100	100	0.160	B
EP1633 	Glazed Round Post 3 Way 50 DIA (Mates P1634)	314	100	1.598	B
EP8129 	Infil Flat 18.4x18.45	101	100	0.254	B
EQ3638 	Handrail Glazed 60 DIA (Mates L5564)	246	161	1.134	B
EP6367 	Glazed Rnd Post 1 Way 50 DIA (Mates P1634)	206	136	1.492	B
EL5564 	Flat Infill	116	100	0.235	B
EQ6484 	Glazed Sq Post 2 Way/180deg 50x50 (Mates P8129)	298	160	1.816	B

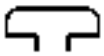
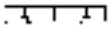
Moulds & Trims

Section	Description	AP	PP	Mass Kg/m	Plant Code
EU8730	Caravan Trim 31.75x6.35	100	100	0.174	B
EQ4176	Misc Chalkboard Rail	229	100	0.392	B
EP7234 	Unv Fixing Bracket 3mm Wall Beams	241	241	1.841	B
EQ4427 	Corner Stake 50x50 to EQ3071	214	214	2.205	P
E18630 	Corner Stake 55.1x54.8x7.9/7.7	264	264	1.616	B
EAL0927 	Edging	100	100	0.289	P
EP7372 	F Bracket 35x15	126	126	0.267	B
EP16989 	Toilet Partion Multi Leg Support B-Mate toP16988	339	226	1.979	B
EP16988 	Toilet Partion Multi Leg Support A-Mate toP16989	449	333	2.310	B
EG6459 	Angle 25.4x25.4(Fluted)x1.57	106	100	0.232	B
EL1594 	Pot Hoe Handle 30x3.89	105	105	0.776	B
EP18515 	J Mould 42x16.25	130	100	0.266	A
EP8049 	Zed 17.50x24x17.50x1.5x1.2x1.5	118	118	0.219	W
EAL10841 	Letter Box 45x23.5	124	124	0.198	B
EME8754 	Colonial Bar (External) 16x4	100	100	0.111	B
ET6847	Caravan Trim 31.75x16.25	110	100	0.219	BA

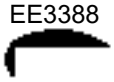
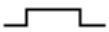
Moulds & Trims

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
E00161	Stair Tread Edge 38.1x4	100	100	0.325	B
EME1548 	Stair Tread 46x15.06	125	125	0.401	B
EE2611 	Stair Tread Bull Nose 46.02x15.06	123	123	0.420	B
EAL12222	Stair Tread 80x4.0	191	111	0.660	P
E53450 	Bus Stair Tread 51x35	178	100	0.443	B
E06348 	Windscreen Surround 17.45x11.1 Gap 3.2	100	100	0.258	B
EAL10512 	Caravan Trim 17.5x12.65	100	100	0.110	B
ET2436 	Ticket Strip 31.75x4.94x1.52	100	100	0.178	B
EME3766 	Ticket Strip 34.93x5.05	100	100	0.193	B
EH3038 	Wallboard Edge 26.97x6.43 Gap 3.96	100	100	0.114	B
EG6444	Crescent Mould 15.88x4.75 Rad	100	100	0.122	W
E00142	Crescent Mould 19x4.75	100	100	0.143	B
EG6449 	Crescent Mould 25.4x4.75 Rad	100	100	0.187	B
EG6448	Crescent Mould 31.75x4.75 Rad	100	100	0.246	B
EH2989	Crescent Mould 38.1x4.75 Rad	100	100	0.297	P
EAL12525	Crescent Mould 38.1x6.35	100	100	0.337	B

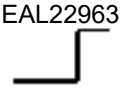
Moulds & Trims

Section	Description	AP	PP	Mass Kg/m	Plant Code
					
EG6454 	J-Trim 23.8x12.7	100	100	0.154	BW
EQ1957 	Toilet Partition Channel 24x38 to EQ1958	195	100	0.564	B
EP17289 	Toilet Partition Corner 13mm 40x40	321	214	1.016	B
EP17290 	Toilet Partition Corner 18mm 51x51	383	256	1.540	B
EP12113 	Toilet Partition Infill 13mm 20.6x18.67	106	106	0.210	B
EP12112 	Toilet Partition Infill 18mm 25.55x19.90	118	118	0.239	B
EP12116 	Toilet Partition Channel 13mm 30x20.6	165	165	0.561	B
EP12114 	Toilet Partition Post 13/18mm 50 Dia	245	245	1.209	B
EQ6354 	Pine Board Channel 25x20.5 Gap 16.5	140	100	0.332	B
EME31156 	Slat Wall 28x13.5	136	100	0.184	B
EN8354 	Slat Wall 28x13.7	128	100	0.201	PB
EP8048 	Zed 17.50x22.50x17.50x1.5x1.2x1.5	116	116	0.213	W
EAL10163 	Stair Step 250x38	1008	1008	2.752	P
EQ1781 	Stair Tread 250x36.5	1069	1069	2.962	C
E25493 	Stair Tread 250x38	1014	350	2.796	C

Moulds & Trims

Section	Description	AP	PP	Mass Kg/m	Plant Code
EP13182 	Stair Tread 250x50	1107	738	3.063	B
EAL9638 	Sun Slade Edge 17.4x12	100	100	0.278	P
EH2351 	Table Edge 20.62x6.73 Rad	100	100	0.100	B
EE3388 	Table Edge 27.7x12.7 Rad	100	100	0.292	B
E06255 	Table Edge 27.75x11.95 Rad	100	100	0.255	B
EG2500 	Table Edge 29.36x5.92	100	100	0.131	B
E36850 	Ticket Strip 37x24	122	100	0.251	B
EE3449 	Top Hat 76.2x38.1	293	293	1.277	PB
EP13339 	Top Hat 90x16x2.5	238	159	0.787	B
EP13338 	Top Hat 90x22.5x2.5	264	176	0.874	B
EP7926 	Cladding Top Hat 90x25	275	275	0.907	B
EH1600 	Moulding Windscreen U Fin 19.06x10.88	100	100	0.266	BW
ET4836 	H-Trim 34.79x9.50	138	100	0.200	B
EH2919 	Wallboard Edge 21.29x8 5.5 Gap	100	100	0.092	A
ET2894 	H-Trim 38.1x12.7 Gap	140	140	0.230	B
EH3041 	Trim Wallboard Edge 21.29x6.43	100	100	0.087	B

Moulds & Trims

Section	Description	AP	PP	Mass Kg/m	Plant Code
EL5470 	White Board Frame 23.5x17.0	136	100	0.274	B
EQ4300 	Roof Panel Joiner 49.8x15.8 Gap 12	211	108	0.593	PB
EL8694 	Fascia Gutter Bracket Ext 130x98.75	196	196	1.806	B
EAL22962 	Cladding Zed 20x30x20x1.6	136	136	0.287	P
E22084 	ZED 22x19x19x3.0	114	114	0.437	P
EP7928 	Cladding Zed 18.7x24.1x18.7x1.6 to EP7927	120	120	0.235	B
EP7927 	Cladding Zed 18.7x25.4x18.7x1.4 to EP7928	122	122	0.213	B
E73639 	Zed 22.2x25.4x22.2x3.2	133	133	0.547	W
E00752 	Zed 25.4x31.75x25.4x3.2 Rad	156	156	0.667	B
EAL22963 	Cladding Zed 40x31.6x20x1.6	179	179	0.380	P
E22091 	Zed 25x60X25X4	212	212	1.102	B
EP17819	Zed 70.48x150x75x2 Rad - Leg 25x3	669	669	1.932	B

ALUMINIUM THE SUPER METAL

Aluminium is corrosion resistant, strong, lightweight and long-lasting. It is a metal that can be cast, rolled, drawn or extruded and can be finished by polishing, anodising or coating to achieve a myriad of visual and functional effects. Consider its abundance, affordability, corrosion resistance and adaptability and you begin to appreciate how truly remarkable aluminium is compared to other metals. Most importantly, being readily recyclable and with one of the highest recycling rates of any metal, aluminium can be used in circular design and sustainable manufacturing solutions.

ADVANTAGES OF ALUMINIUM

A unique combination of properties makes aluminium and its alloys one of the most versatile engineering and construction materials available today.

	ADVANTAGES	DESCRIPTION
	LIGHTWEIGHT	Aluminium is one of the lightest available commercial metals with a density approximately one third that of steel or copper. Its high strength to weight ratio makes it particularly important to transportation industries allowing increased payloads and fuel savings. Catamaran ferries, petroleum tankers and aircraft are good examples of aluminium's use in transport. In other fabrications, aluminium's lightweight can reduce the need for special handling or lifting equipment.
	EXCELLENT CORROSION RESISTANCE	Aluminium has excellent resistance to corrosion due to the thin layer of aluminium oxide that forms on the surface of aluminium when it is exposed to air. In many applications, aluminium can be left in the mill finished condition. Should additional protection or decorative finishes be required, then aluminium can be either anodised or painted.
	STRONG	Although tensile strength of pure aluminium is not high, mechanical properties can be markedly increased by the addition of alloying elements and tempering. You can choose the alloy with the most suitable characteristics for your application. Typical alloying elements are silicon, manganese, copper and magnesium.
	STRONG AT LOW TEMPERATURES	Where as steel becomes brittle at low temperatures, aluminium increases in tensile strength and retains excellent toughness.
	EASY TO WORK	Aluminium can be easily fabricated into various forms such as foil, sheets, geometric shapes, rod, tube and wire. It also displays excellent machinability and plasticity ideal for bending, cutting, spinning, roll forming, hammering, forging and drawing. Aluminium can be turned, milled or bored readily, using the correct toolage. In fact, most aluminium alloys can be machined speedily and easily. An important factor contributing to the low cost of finished aluminium parts. Aluminium is a popular choice of material for complex-sectioned hollow extrusions. Almost any method of joining is applicable - riveting, welding, brazing or soldering. A wide variety of mechanical aluminium fasteners simplifies the assembly of many products. Adhesive bonding of aluminium parts is successfully employed in many applications including aircraft components, car bodies and some building applications.

ADVANTAGES OF ALUMINIUM...CONT

	ADVANTAGES	DESCRIPTION
	GOOD HEAT CONDUCTOR	Aluminium is about three times as thermally-conductive as steel. This characteristic is important in heat-exchange applications (whether heating or cooling). Aluminium is used extensively in cooking utensils, air conditioning, industrial heat exchangers and automotive parts.
	HIGH REFLECTIVITY	Aluminium is an excellent reflector of radiant energy through the entire range of wave lengths. From ultra-violet through the visible spectrum to infra-red and heat waves, as well as electromagnetic waves such as radio and radar. Aluminium has a light reflectivity of over 80% which has led to its wide use in lighting fixtures. These reflectivity characteristics also lead to its use as an insulating material. For example, aluminium roofing reflects a high percentage of the sun's heat, promoting a cool interior atmosphere in summer, yet insulating against heat loss in winter.
	GOOD ELECTRICAL CONDUCTOR	Aluminium is one of the two common metals having electrical conductivity high enough for use as an electrical conductor. The conductivity of electrical-conductor grade (alloy 1350) is about 62% that of the International Annealed Copper Standard. However, aluminium is only a third the weight of copper, which means it conducts about twice as much electricity as copper of the same weight. Aluminium is widely utilised in power-transmission cables, transformers, busbars and bases of electrical bulbs.
	EASY SURFACE TREATMENT	For many applications, aluminium requires no protective or decorative coating; the surface supplied is entirely adequate without further finishing. Mechanical finishes such as polishing, embossing, sand blasting, or wire brushing meet a variety of needs. Where the plain aluminium surface does not suffice, a wide variety of surface finishes are available to suit. Chemical, electrochemical and paint finishes are all used. Above all, anodising treatment can provide excellent corrosion resistance and a wide range of colour variations. Such finishes are widely used for both interior and exterior applications.
	NON-MAGNETIC	Aluminium has non-magnetic properties which make it useful for electrical shielding such as busbar or magnetic compass housings. Other applications include computer disks and parabolic antennas.
	NON-TOXIC	The fact that aluminium is essentially non-toxic was discovered in the early days of the industry. It is this characteristic which enables the metal to be used in cooking utensils without any harmful effect on the body. Aluminium with its smooth surface is easily cleaned, promoting a hygienic environment for food processing. Aluminium foil wrapping and containers are used extensively and safely in direct contact with food products.
	OTHER BENEFITS	Due to a low melting temperature, it is economically recyclable, requiring only about 5% the energy required for smelting. It is an ideal material in this age of energy and resource saving. • Sound absorbing • Used for ceilings • Shock absorbing • Due to its low modulus of elasticity, aluminium is used for automobile bumpers and the like. • Non-Sparking • Aluminium is void of sparking properties against itself and other non-ferrous metals.

A SUSTAINABLE METAL

Aluminium boasts one of the highest recycling rates of any metal.

At the end of their long life, Capral extrusions can be readily recycled. Recycled aluminium generally falls into two broad categories. New scrap resulting from a manufacturing process such as extrusion is often not contaminated and of known quality. This scrap is remelted and reprocessed with very little further treatment. Due to its high value, such scrap enjoys an almost 100% recycle rate.

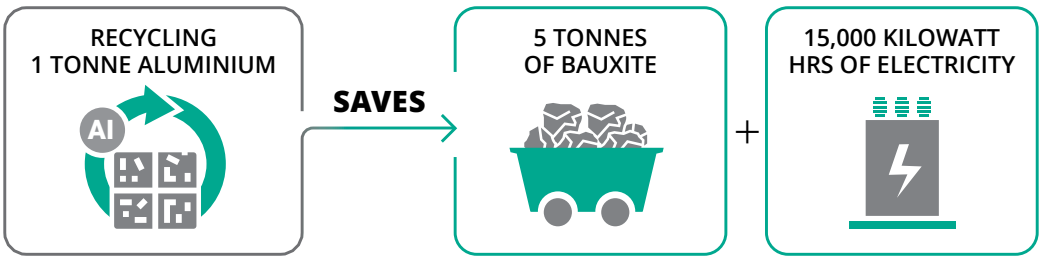
As recycling of aluminium requires only 5% of the initial energy consumed to create it, recycling one tonne of aluminium saves 5 tonnes of bauxite and 15,000-kilowatt-hours of electricity, making excellent environmental and financial sense.

As a local manufacturer, Capral is required to meet Australian environmental regulations and standards in its manufacturing and finishing operations, understanding the full life cycle impact of products and manufacturing processes.

Capral is committed to Carbon Net Zero by 2050 and can provide low carbon aluminium with a carbon footprint of 4t CO^2/1t AL or lower.

Capral is a member of the Aluminium Stewardship Initiative and is working towards ASI certification.

Recycled aluminium requires only 5% of the initial energy consumed to create it.



CLEANER, GREENER, LOWER CARBON ALUMINIUM FOR YOUR PROJECT

Introducing LocAl® locally extruded, lower carbon aluminium

Aluminium is strong, lightweight and highly recyclable. But did you know that globally on average it takes 16.8 Kilograms CO2e to produce 1 Kilogram of primary aluminium?

By choosing aluminium produced using renewable energy sources CO2e emissions can be more than halved, giving you a cleaner, greener choice for your aluminium.

LocAl® Aluminium is locally extruded, lower carbon aluminium for your projects in construction, engineering, marine, transport, defence, renewable energy or general fabrication industries.

LOCALLY EXTRUDED

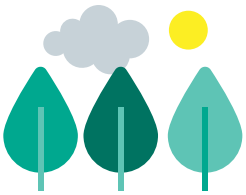
Extruded in Australia by Capral Aluminium, Australia's largest aluminium extruder established in 1936. Capral is committed to Net Zero by 2050 and working actively on reducing Scope 1 and Scope 2 emissions.

LOW CARBON

Primary billet with certified CO2e content at or below*

- 8kg CO2e/1kgAL - LocAL Green
- 4kg CO2e/1kgAL - LocAL Super Green.

**Scope 1 and Scope 2 emissions ex smelter*



ALUMINIUM

Aluminium Stewardship Initiative (ASI) certified smelter.

Capral is currently a member of ASI actively working towards certification under Aluminium Stewardship Initiative (ASI).

- Performance Standard
- Chain of Custody Standard.

Choosing to use LocAl® Aluminium as part of a responsible procurement strategy for your business will positively impact your organisation's environmental impact and our climate.

Find out more about LocAl® and choosing lower-carbon aluminium for your project visit **lowcarbonaluminium.com.au**

ALLOYS - TEMPERS - USES

In designing and ordering a product, it is important to select a material that will provide the desired properties consistently in production volumes. Aluminium extrusion offers a wide range of material properties through the appropriate selection of alloy and temper.

Commercially pure aluminium is used for some applications; more often, however, aluminium is mixed (alloyed) with other metals such as copper, manganese, silicon, magnesium and zinc in various proportions. Product performance is determined in part by alloy composition and in part by production method; and the production method, in turn, is strongly influenced by the temper given to the alloy through various types of mechanical and thermal treatment. Structural and certain physical properties can also be influenced significantly by the choice of alloy and temper.

ALLOYS

Alloying elements are usually added to aluminium in amounts ranging from 0.2 to 7.0 per cent. Aluminium alloys are grouped by the major alloying elements:

ALLOY SPECIFICATIONS – EXTRUDED PRODUCTS

ALLOY	DESCRIPTION	APPLICATIONS
1350	1350 is a high purity non-heat treatable alloy with a minimum aluminium content of 99.5%. It has very good extrudability, excellent corrosion resistance but low mechanical properties.	• Principally used in electrical applications demanding the highest available electrical conductivity
2011	2011 is a heat treatable free machining alloy designed to be used by the repetition machining industry. It is generally restricted to round rod and bar and its corrosion resistance is poor because of its high copper content.	• Various machining components • Screws, bolts, fittings and nuts • Where good machinability and high strength are required
6005A	6005A is the weakest of the three structural alloys (6005A, 6061 and 6082). As with all structural alloys it is difficult to produce thin walled or complicated extrusions in 6005A however, of the structural alloys, it has the best extrusion characteristics and mill surface finish. 6005A is a heat treatable alloy with excellent corrosion resistance. It also has good weldability.	• Ladders • Transport applications • Pylons • Platforms • Tubes and hollow sections • Pipelines • Applications that require greater strength than 6060 or 6063 alloy
6060	6060 alloy is one of the most common alloys of the 6000 series. It is a heat treatable alloy with very good corrosion resistance and weldability. It is commonly used in window and door frames in residential and commercial applications. It is an ideal alloy for very complex cross sections and has a very good anodising response.	• Architectural applications including door and window frames • Electrical components and conduits • Tube for irrigation systems • Curtain Walls • Lighting, furniture and picture frames • Carpet edging • Railings and fences • Applications where surface finish is important
6061	6061 is a heat treatable alloy with mechanical properties slightly lower than 6082. It has good corrosion resistance but like 6082 its extruded surface finish is not as good as 6060.	• Road, rail and marine transport • Scaffold tube • Structural members
6082	6082 has excellent corrosion resistance and the highest strength of the 6000 series structural alloys. As with all structural alloys the extruded surface finish is not as good as alloys such as 6060 or 6063. The higher strength of 6082 has seen it replace 6061 in many applications. 6082 has good weldability and when DNV (Det Norske Veritas) certified it is commonly used in marine applications.	• Highly stressed applications • Bridges • Cranes • Marine applications • Other transport application

ALLOY SPECIFICATIONS – EXTRUDED PRODUCTS ...CONT

ALLOY	DESCRIPTION	APPLICATIONS
6101	6101 is a heat treatable alloy specifically designed for electrical conductors with an electrical conductivity slightly higher than 6060 or 6063.	• Used for electrical bus bars where mechanical strength is also a requirement
6106	6106 is a heat treatable alloy with mechanical properties between 6060 and 6061/6082. It has excellent corrosion resistance and its good extrudability enables more complex shapes to be extruded than can be produced with 6061 or 6082.	• Ladders • Tray bodies • Architectural shapes where increased strength is required
6351	6351 is a heat treatable alloy very similar to 6082 with similar characteristics including corrosion resistance and strength. Many European specifications now call up 6082 in lieu of 6351.	• Road, rail and marine transport • Structural members

ALLOY SPECIFICATIONS – ROLLED PRODUCTS

ALLOY	DESCRIPTION	APPLICATIONS
3003	3003 is a medium strength alloy with very good resistance to atmospheric corrosion. It also has very good weldability and good cold formability. It is widely used for chemical equipment including silos and also caravan sidings.	• Propellor plate • Cooking utensils • Chemical equipment • Sheet metal work • Storage tanks • Caravan sidings • Office equipment • Equipment for heating and cooling
5005	5005 is a medium strength general purpose alloy with good weldability, good formability and good corrosion resistance. It is an extremely popular alloy and is the most commonly used grade of aluminium in sheet and plate form. It is suitable for decorative anodising and as a result is often used in architectural applications.	• General sheet metal work • Architectural applications – cladding • Furniture • Packaging • Ducting in electrical cabinets
5052	5052 is a medium strength alloy which has excellent corrosion resistance, particularly in marine atmospheres. One of the more popular alloys, 5052 has good weldability. It is significantly stronger than 5005 alloy and is widely used in the small boat market.	• High strength sheet metal work • Tread plate • Small boats • Architectural paneling • Road signs • Truck fuel tanks
5083	5083 is known for exceptional performance in extreme environments. 5083 is resistant to attack by seawater and general industrial environments. It has the highest strength of the non-heat treatable alloys but is not recommended for use in temperatures in excess of 65 degree.	• Ship building • Drilling rigs • Rail cars • Vehicle and tip truck bodies • TV towers • Mine skips and cages
5251	5251 is a medium strength non-heat treatable alloy which is often used as an alternative to 5052 although because of its lower magnesium content its mechanical properties are slightly lower. It has excellent corrosion resistance and weldability.	• Sheet metal work requiring higher strength than available with 5005 • Tread plate • Small boats
5454	5454 is a non-heat treatable alloy with a lower magnesium content than alloy 5083 and as such is suitable for elevated temperature applications.	• Petroleum including bitumen road tankers • Chemical and process industries

CHEMICAL COMPOSITION LIMITS – EXTRUDED AND ROLLED PRODUCTS

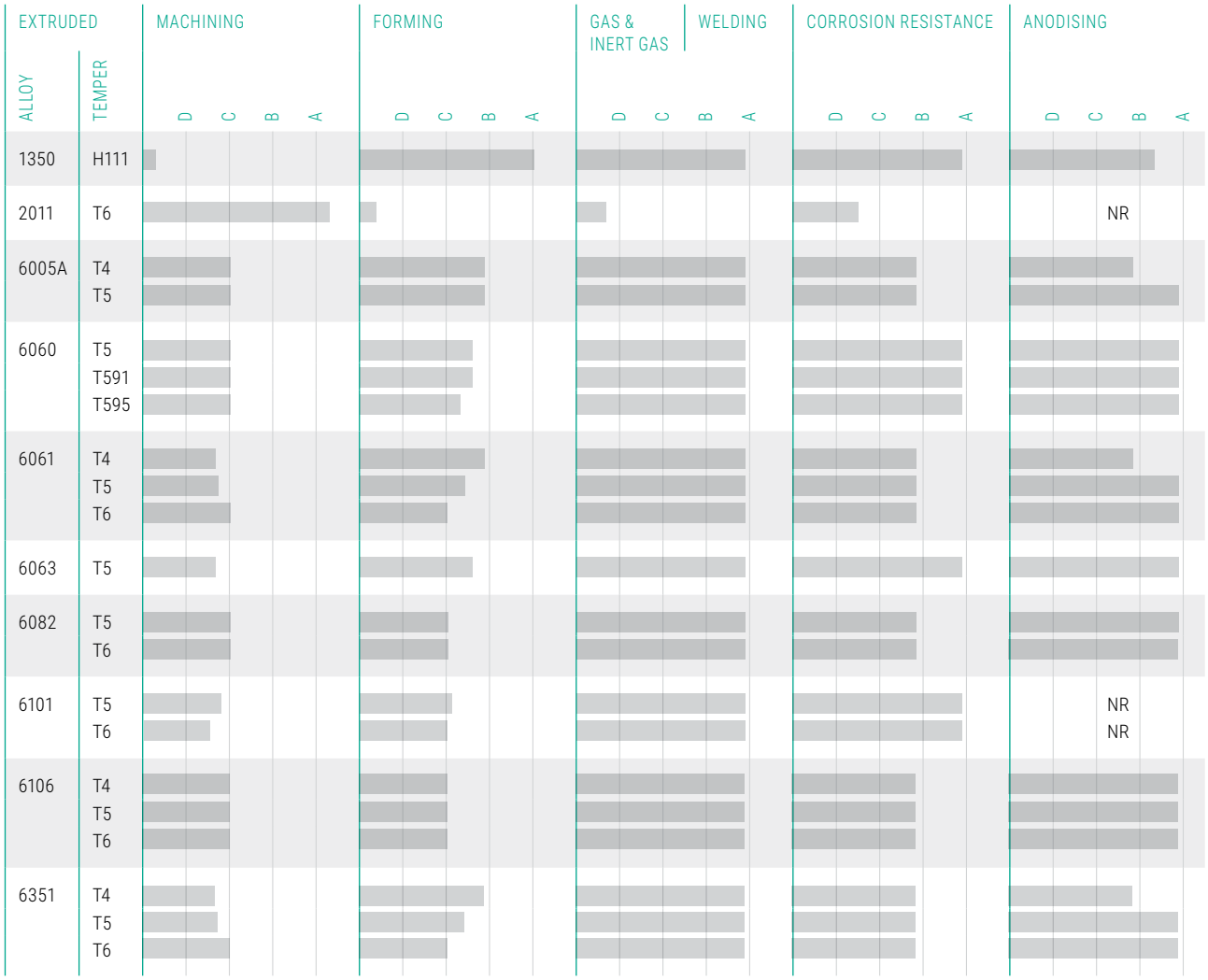
ALLOY	MG	MN	FE	SI	CU	ZN	CR	MN+CR	TI	BI	PB	V	OTHER ELEM	TOTAL OTHER	AL
1350	–	≤0.01	≤0.40	≤0.10	≤0.05	≤0.05	≤0.01	–	–	–	–	≤0.02V+Ti	≤0.03	≤0.10	≥99.50
2011	–	–	≤0.70	≤0.40	5.00-6.00	≤0.30	–	–	–	0.20-0.60	0.20-0.60	–	≤0.05	≤0.15	Rem.
3003	–	1.00-1.50	≤0.70	≤0.60	0.05-0.20	≤0.10	–	–	–	–	–	–	≤0.05	≤0.15	Rem.
5005	0.50-1.10	≤0.20	≤0.70	≤0.30	≤0.20	≤0.25	≤0.10	–	–	–	–	–	≤0.05	≤0.15	Rem.
5052	2.20-2.80	≤0.10	≤0.40	≤0.25	≤0.10	≤0.10	0.15-0.35	–	–	–	–	≤0.05	≤0.05	≤0.15	Rem.
5083	4.00-4.90	0.40-1.00	≤0.40	≤0.40	≤0.10	≤0.25	0.05-0.25	–	≤0.15	–	–	–	≤0.05	≤0.15	Rem.
5251	1.70-2.40	0.10-0.50	≤0.50	≤0.40	≤0.15	≤0.15	≤0.15	–	≤0.15	–	–	–	≤0.05	≤0.15	Rem.
5454	2.40-3.00	0.50-1.00	≤0.40	≤0.25	≤0.10	≤0.25	0.05-0.20	–	≤0.20	–	–	–	≤0.05	≤0.15	Rem.
6005A	0.40-0.70	≤0.50	≤0.35	0.50-0.90	≤0.30	≤0.20	≤0.30	0.12-0.50	≤0.10	–	–	–	≤0.05	≤0.15	Rem.
6060	0.30-0.60	≤0.10	0.10-0.30	0.30-0.60	≤0.10	≤0.15	≤0.05	–	≤0.10	–	–	–	≤0.05	≤0.15	Rem.
6061	0.80-1.20	≤0.15	≤0.70	0.40-0.80	0.15-0.40	≤0.25	0.04-0.35	–	≤0.15	–	–	–	≤0.05	≤0.15	Rem.
6063	0.45-0.90	≤0.10	≤0.35	0.20-0.60	≤0.10	≤0.10	≤0.10	–	≤0.10	–	–	–	≤0.05	≤0.15	Rem.
6082	0.60-1.20	0.40-1.00	≤0.50	0.70-1.30	≤0.10	≤0.20	≤0.25	–	≤0.10	–	–	–	≤0.05	≤0.15	Rem.
6101	0.35-0.80	≤0.03	≤0.50	0.30-0.70	≤0.10	≤0.10	≤0.03	–	-	≤0.06	–	–	≤0.03	≤0.10	Rem.
6106	0.40-0.80	0.05-0.20	≤0.35	0.30-0.60	≤0.25	≤0.15	≤0.20	–	≤0.10	–	–	–	≤0.05	≤0.15	Rem.
6351	0.40-0.80	0.40-0.80	≤0.50	0.70-1.30	≤0.10	≤0.20	–	–	≤0.20	–	–	–	≤0.05	≤0.15	Rem.

MECHANICAL PROPERTY LIMITS

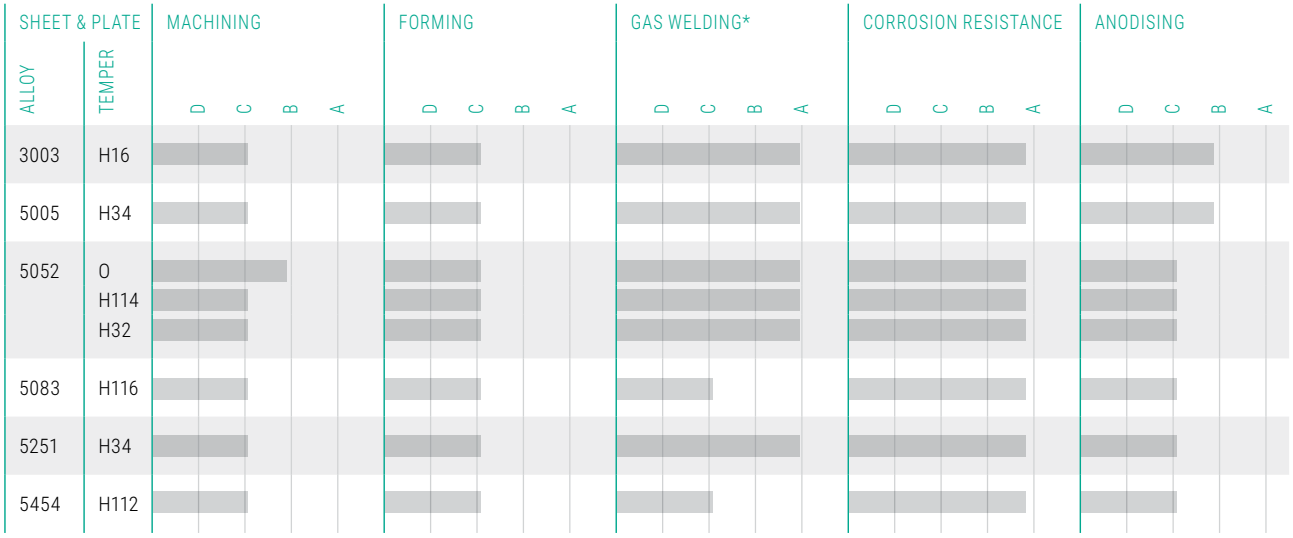
ALLOY	TEMPER	THICKNESS	TENSILE	YIELD	ELONGATION
EXTRUDED					
1350	F H111	Not specified All	60	25	
2011	T6	≤25	350	220	8
6005A	T4 T5 T6	≤12 ≤12 ≤12	180 260 270	110 240 225	14 8 8
6060	T1 T4 T5 T6 T591 T595	≤12 ≤12 ≤12 ≤12 ≤12 ≤12	115 125 150 205 150-205 170-220	60 70 110 170 95-140 130-160	12 12 8 8 8 5
6061	T4 T5 T6	All All All	180 235 260	110 210 240	14 8 8
6063	T4 T5 T6	≤12 ≤12 ≤12	130 150 205	70 110 170	12 8 8
6082	T5 T6	≤6 ≤20	270 295	230 255	8 7
6101	T5 T6	≤12 ≤12	150 200	110 170	10
6106	T4 T5 T6	≤12 ≤ 12 ≤12	130 150 235	70 110 210	12 8 8
6351	T4 T5 T6	≤150 ≤150 ≤150	185 260 295	115 240 255	16 8 8
SHEET AND PLATE					
3003	H16	1.6-4.0	165-205	145	4
5005	H34	1.2-6.3	135-180	105	5
5052	O H114 H32	1.3-3.0 1.3-3.0 1.3-3.0	170-215 170-240 215-265	65 65 160	19 10 7
5083	H116	3.0-30.0	305	215	10
5251	H34	1.3-3.0	230-275	180	6
5454	H34	6.0-12.0	270-325	200	8

CHARACTERISTICS COMPARISON

EXTRUSION ALLOY/TEMPER



ROLLED ALLOY/TEMPER



A = Excellent; B = Good; C = Fair; D = Poor; NR = Not Recommended

*Under inert gas welding conditions Alloy/Tempers exhibit A = Excellent rating

TEMPER

Temper designations refer to variations of the physical properties that are achievable within an alloy. The temper designation system is based on the sequences of basic treatments applied to produce the various tempers.

Basic Temper Designations

F	**As Extruded:** No special control over thermal conditions or strain-hardening; no mechanical property limits.
0	**Annealed:** Thermally treated to obtain the lowest strength temper.
H	**Strain-Hardened:** Strain-hardening is used to increase strength.
T	**Thermally Treated:** Thermally treated to produce stable tempers other than F, 0, or H.

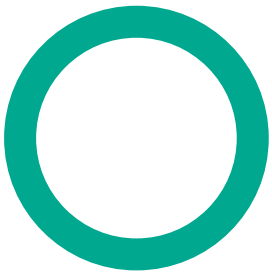
Temper Numbering System

To produce the desired temper, numerous steps are followed; this sequence of operations is identified by a concise numbering system which follows the letter-designation of the basic temper. The first numeral indicates the basic sequence; additional numerals may appear, indicating specific variations of the temper.

Thus, a complete alloy-temper designation looks, like this: "6061-T6" This designation indicates a particular alloy of the 6000 series which is thermally treated ('T"): specifically, heat-treated and artificially aged (6").

Typical Tempers for Extrusions

0	Fully annealed.
H112	Strain-hardened.
T1	Cooled from an elevated temperature and naturally aged.
T4	Solution heat treated and naturally aged.
T5	Cooled from an elevated temperature and artificially aged.
T6	Solution heat treated and artificially aged.



Temper Definitions

F	As fabricated; i.e., there is no special control over the temper of such material and it is normally in the as extruded condition. No mechanical property limits are specified.
T1	Air-cooled from the extrusion temperature and naturally aged to a substantially stable condition.
T3	Solution heat-treated and cold worked to improve strength.
T4	Solution heat-treated and naturally aged to a substantially stable condition. These products are normally water quenched at the press or separately solution heat-treated in a salt bath.
T5	Air-cooled from the extrusion temperature and artificially aged to improve mechanical properties.
T591	A variation of the T5 temper designed to combine good bending properties with strength intermediate between T1 and T5.
T593	The air quenched and aged temper for Alloy 7005.
T595	A forming quality temper of 6060, capable of being flared, flattened or bent, yet giving a reasonable level of typical Mechanical Properties.
T6	Solution heat-treated, artificially aged and then cold drawn.
T61-T64	Variations of the T6 temper giving controlled combinations of mechanical properties and electrical conductivity in Alloy 6101.
T8	Solution heat-treated, cold drawn arid artificially aged.
T81-T84	Solution heat-treated, cold drawn and artificially aged; the amount of cold work and therefore the strength of the product increasing through T81 and T84. Special purpose variations of these tempers e.g. T891, T893 etc. are available for some drawn products.
T9	Solution heat-treated, artificially aged and then cold drawn.
0	Annealed. The softest condition for the alloy.
H111	Applies to products which have been given a small amount of cold work (usually stretching) but less than that required for a controlled H11 temper.
H112	Applies to products which have acquired some cold work incidental to extrusion but virtually in the as-extruded condition. Mechanical properties are guaranteed, for this temper.
H12-H18	Strain hardened or cold drawn from the annealed condition. The value of the last digit indicates the degree of strain hardening and the increasing strength of the product (e.g., H14 represents the half hard condition; H18 the fully hard condition).

FABRICATION OF ALUMINIUM ALLOY STRUCTURES

Marking

Ink or grease pencils should be used to mark aluminium for fabrication. Centre-punch marks and scribed lines must be avoided where such marks could remain on the fabricated material as they can be the cause of notch failure. Because of the high thermal coefficient of expansion of aluminium, it is best marked out in a shop kept at an even temperature and shaded from the radiant heat of the sun so that there will be no errors caused by the lower thermal expansion of steel measuring tools.

Cutting

Oxy-gas flame cutting is not used with aluminium, cut edges shall be smooth and free of notches, excessive burrs or ragged edges. Arc cut edges should be planed to remove edge cracks.

For sawing, high blade speeds are desirable with the liberal use of a lubricant based on kerosene-thinned mineral oil. For circular saws, blades should have 1.5 to 2 teeth per circular centimetre alternately set. Angle of cut is approximately 70° to the aluminium section.

Forming

Ordinary types of presses, brakes and rolls are suitable for forming operations on correctly chosen alloys and tempers. The tool surfaces which contact the aluminium alloys must be smooth and free from tool marks, dents or rough edges which will tend to tear or score the metal. In forming bends that approach the minimum radius, the surfaces and edges of the metal to be bent should be smooth. Springback is proportional to yield strength/elastic modulus and with the harder tempers of aluminium alloys is greater than with steel.

Punching, reaming and drilling

Bolt or rivet holes in primary-load-carrying members should be drilled, or sub punched and reamed. Both single and multiple type punches as used on structural steel are suitable for aluminium alloys. If the metal thickness is greater than the diameter of the hole, the hole should be formed by drilling and not punching. Reamers should be of the high-speed, spiral-fluted type. Reaming operations on aluminium alloys are about twice as fast as the same work in steel.

Twist drills used on aluminium alloys should be kept sharp and constantly lubricated with a soluble oil. Drill speeds can be increased about 50 per cent above those used for steel. Special drills with more than the normal numbers of twists per cm can be used to advantage where a large amount of work is to be done. A double-fluted twist drill with a spiral angle of 47° gives good results on aluminium alloys.

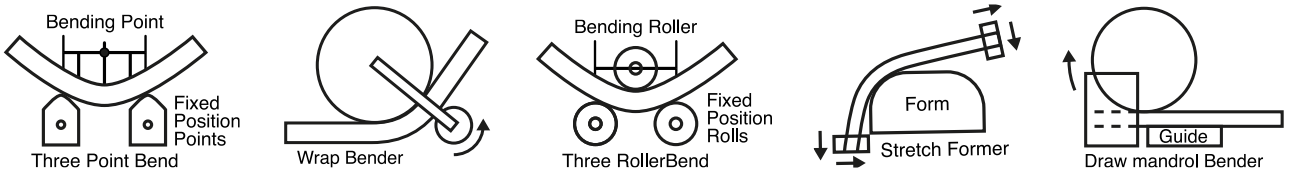
Bending

There are several types of forming machines suitable for bending aluminium sections. The choice depends upon the class of section, whether solid, open or hollow; the range of support tooling available; the alloy and temper. Tubing is by far the most commonly bent form of aluminium. Bending may be carried out by four main methods:

- The three-roll bender has a central moveable roller, which is gradually depressed until the desired radius is obtained.
- The three-point bender has a similar method of operation, the load being either applied gradually or impacted.
- The roll and point methods of bending are usually applied to robust sections. In both wrap and mandrel benders, it is possible to provide formers and other support tools which minimise the amount of buckling and enable tighter radii to be obtained.
- The stretch former puts the section into tension and then, moving laterally, wraps it around a former. This method reduces the likelihood of compression failure.

Drawn tube should be specified where tight tolerances are required and where a higher level of mechanical property is necessary than is available in an extruded product. Drawn tube bends more consistently than extruded tube, again, due to the range in the mechanical properties.

Section bending is a specialist procedure and generally, the soft tempers should be used, particularly for complex shapes.



Bending characteristics

The main criteria governing the bending of aluminium are:

Alloy, temper, metal thickness and/or configuration, bend radius, and equipment available. The most common problem is the determination of a minimum radius at which a bend can be formed without developing cracks or excessive "orange peel" along the external bend radius. A closely related problem is the amount of overbending necessary to compensate for elastic recovery (springback), both of these conditions vary with alloy, temper and thickness. Severe bending may require annealed material, whereas moderate bending with generous radii allows for the use of harder tempers.

The radius of bend for extruded profiles is governed to a large extent by the amount of distortion which can be tolerated from an aesthetic point of view. Angles, channels, Z-sections, top hat sections and I-sections all require closely fitting tools and formers to hold distortion to a minimum. Extruded sections can be bent more easily over small radii in the T4 temper. If required, the properties can be subsequently increased to T5 or T6 temper by artificially ageing. Additional recommendations are given in the AAC publication, "Aluminium Standards Data and Design Wrought Products".

ROUND TUBE – RECOMMENDED BENDING RADII

TUBE SIZE		RADII FOR VARIOUS ALLOYS AND TEMPERS (MM)					
OUTSIDE DIAMETER (MM)	WALL THICKNESS (MM)	1200-0 1350-0	6106-0 6060-0 6063-0 6061-0	6106-T4 6061-T4 6063-T4 6082-T4	6060-T5 6063-T5&T6 6101-T5&T6 6106-T6	6005A-T6 6061-T6 6082-T6	6060-T81 6063-T81
10	1 1.6	12 10	15 13	16 14	18 13	20 18	18 16
12	1 1.6	16 12	16 15	18 17	22 20	25 23	28 26
16	1 1.6	19 17	22 20	30 23	32 26	35 32	38 32
20	1 1.6	25 22	28 25	38 32	40 32	50 40	60 40
25	1.2 1.6 3	38 35 30	45 45 12	50 45 40	56 50 45	62 56 52	70 65 50
28	1.2 1.6 3	45 42 34	54 50 40	60 54 42	68 58 45	84 64 50	98 75 50
32	1.2 2 3	54 42 38	62 48 42	80 58 46	80 60 52	100 80 60	110 80 70
40	1.6 2 3	64 56 48	72 64 54	90 80 60	95 80 70	120 100 80	140 110 85
50	1.6 2 3 4	90 84 70 68	112 98 80 70	125 110 95 80	140 126 110 90	175 150 125 120	220 190 150 140
60	2 3 4 6	100 100 85 70	120 105 90 80	150 120 100 90	170 130 120 100	220 180 150 130	260 220 190 150
80	2 3 4 6	165 140 135 120	190 170 150 130	220 185 160 140	240 200 180 160	340 250 220 200	400 320 280 250

Table adapted from *Aluminium Standards Data and Design – Wrought Products, Table 3.6,* published by the Australian Aluminium Council 2004 and should be used as a guide only.

Where D = outside diameter of tube (mm)
t = wall thickness of tube (mm)
r = inside radius of bend (mm)

Note : It is recommended that test bends are carried out before final selection is made.

Riveting

Aluminium alloy rivets are recommended for the fabrication of aluminium alloy structures. In any riveting operation, it is desirable that the clearance of the rivet in the hole should be a minimum. Where possible squeeze type riveters should be used on aluminium rivets. Pneumatic hammers and backup tools should be heavier than those used for hot steel rivets of the same size. Hammers should be a heavy, long-stroke, slow action type. Minimum distance of rivet centres shall be three times the nominal rivet diameter. (See AS/NZS 1664). The edge distance from the centre of the rivet to the edge of the sheet or shape towards which the pressure is directed shall be twice the nominal diameter of the rivet (see AS/NZS 1664).

Welding

The most suitable processes for making structural quality welds in aluminium are MIG (Metal Inert Gas) and TIG (Tungsten Inert Gas) welding. These fluxiess processes use an electric arc shrouded by inert argon gas, which prevents the formation of aluminium oxide on the weld pool and helps minimise porosity in the weld.

The MIG process is suitable for welding aluminium 2mm thick and upwards; there is no practical upper limit restricting its use. The TIG process is suitable for joining aluminium from 1mm to 10mm thick. Refer to AS/NZS 1664 for maximum allowable stresses for welded members, and AS/ 1665, SAA Aluminium Welding Code for details of welded connections.

For marking welded connections in aluminium, AS/NZS 1664 specifies aluminium filler alloys for general purpose welding. If extrusions in alloys 6061 or 6063 are welded to any of the plate alloys 5052, 5083, 5086, 5251 or 5454, then alloy 5356 is used as the filler. The same filler is used for welds between the plate alloys.

Where the extrusion alloys 6061 and 6063 form both parts of the welded connection, alloy 4043 is usually used as the filler.

Bolting

Bolting is a suitable means of making connections between aluminium alloy components. For best results bolts should be fitted tightly in the holes, preferably with a slight interference. Where this is not practicable, bolts may be used with whatever hole clearance seems appropriate to the class of work under consideration. It is recommended that the finished diameter of the holes should not be more than 2mm larger than the nominal diameter of the bolts. If elongated bolt holes are necessary for expansion reasons or construction tolerances, then the 2mm recommendation applies to the width of the elongated hole.

Where bolts are not tightly fitted it is sound practice to use less than the full strength of the bolt in calculating the number of bolts required. It is suggested that two-thirds of the full bolt strength be used when bolts are installed with more than a nominal clearance. If any holes must be enlarged to admit bolts they should be reamed. Holes should not be drifted in such a manner as to distort the metal.

It is important that a flat washer be used between the aluminium member and the bolt head as well as the nut. The distance between the centres of bolts should not be less than 2.5 times the nominal diameter of the bolts. The distance from the centre of a bolt to a sheared, sawn, rolled, or planed edge is normally twice the nominal diameter but shall be not less than 1.5 times the diameter. See AS/NZS 1664 for reduction in bearing stresses for shorter than normal edge distances. The distance from the edge of a plate to the nearest bolt line should not exceed six times the thickness of the plate.

Choice of bolt material

Bolts of stainless steel (300 series), hot-dipped galvanised steel, cadmium plated steel and aluminium alloy are suitable for making connections between aluminium alloy components or connecting aluminium components to other materials.

In general, in dry operating conditions where black steel bolts would be the normal choice for a steel structure, cadmium plated steel bolts are suitable for aluminium structures. Where the structure is exposed to the weather, hot-dipped galvanised steel bolts are a minimum requirement for an aluminium structure. In aggressive environments and where conditions of high humidity prevail, stainless steel or 6000 series aluminium alloy bolts are recommended.

Stainless steel bolts

Where stainless steel bolts are required for aluminium structural members only the 300 series stainless steel should be used. The first preference is for 316 stainless steel which has high resistance to pitting in chemical applications, high tensile strength at high temperatures, high creep strength and good machining characteristics. A second preference would be for 304 stainless steel. The stainless steels generally are referred to as non-magnetic stainless steels and are known metallurgically as “austenitic” stainless steels.

Tightening of aluminium bolts

Bolts function best when properly tightened. One recommendation for determining the torque wrench settings for tightening aluminium alloy bolts is as follows: using a torque wrench, tighten several bolts of a given size and type to the breaking point under the same condition of lubrication as will be encountered on the job and then use 70 per cent or 80 per cent of the lowest torque obtained in these tests for tightening all bolts of this size and type on the job.

The 70 per cent value should be used for “temporary” bolts, or those which may be removed occasionally, whilst the 80 per cent value applies to “permanent” bolts. The use of a good lubricant, such as molybdenum disulphide or lanoline, on the threads and all bearing surfaces, is recommended.

Standard shapes and special extrusions (material availability)

A wide range of standard extruded shapes is listed in this manual. However, because of the extent of the range, not all the shapes are held in stock at any one time by Capral Aluminium Centres. For small and medium-sized structures designers can minimise supply delays by checking the availability of standard extruded shapes and alloys.

For larger structures, the time schedule and material quantity usually will allow for production of the most efficient extrusion shape chosen from the range listed in this catalogue.

Depending on the size and/or complexity of a structure if can be economical to design special sections. The extrusion process is capable of producing special shapes that otherwise might have to be built by joining together two or more standard shapes. The ability of the extrusion process to provide local thickening or reinforcing ribs to counter zones of specific stress will result in less metal being used than would otherwise be the case if standard sections are used. Additionally, features such as attachment flanges and prepared edges for welding can be incorporated into the extrusion.

Die development costs for such special shapes are roughly proportional to the diameter of the circle circumscribing the shape in question. Tooling development charges for special designs can be obtained through Capral Aluminium Sales Offices.

CARE AND MAINTENANCE OF ALUMINIUM

Aluminium is one of the easiest materials to keep in good condition. It has a high natural resistance to corrosive conditions normally encountered during shipment and storage and a little care will maintain its original appearance for a long time.

Aluminium alloys require little or no maintenance to retain their original mechanical properties. However, without regular cleaning surfaces can become stained, particularly when under prolonged exposure on industrial sites. Rubbing down with fine wire wool and methylated spirits may clean mill-finished aluminium. Proprietary cleaners are available for mill-finished surfaces.

Frequency of cleaning is largely dependent on the location of the product and it's proximity to industrial or marine environments where monthly or more frequent cleaning is recommended if any deterioration of surface finish is apparent. However, in any event, general cleaning should be carried out at least quarterly.

Deposited grime absorbs contaminated moisture like a sponge and holds it against the powder-coated surface; this permits the attack to proceed thereby damaging the coating, which cannot be restored without removal.

Capral Aluminium make every effort to pack aluminium so that "rub marks" do not occur during shipment and so that it remains dry. All incoming shipments should be inspected promptly.

Condensation is perhaps the most troublesome cause of water stains. Under severe conditions, condensation may also cause surface deterioration, which may only become apparent if the material is subsequently etched and anodised. It may be prevented by avoiding conditions where the temperature of the metal drops below the dew point of the surrounding air, or, conversely, conditions where the moisture of the air increases enough to carry the dew point above the metal temperature. It is thus important to ensure that a sudden fall in temperature or increase in humidity does not occur in the places of storage. Aluminium packed in original boxes should never be left in the open because the greater variation in temperature and humidity outdoors increases the possibility of condensation.

In storing, it is desirable to avoid contact between it and other metals since this sometimes results in scratches or other marks. The use of wood-faced shelving racks and bins is recommended. It is also good practice to keep aluminium away from caustics, nitrates, phosphates and some acids.

Caring for anodised aluminium

All aluminium surfaces should be kept clean by prompt removal of all dust, dirt, grime and any foreign matter using clean water and a small amount of mild detergent as required. Do not under any circumstances use any abrasive type cleaning agent (Ajax or similar) or any abrasive cleaning material such as steel wool or the like as this will severely damage the anodised surface. Thoroughly wash off any residue of detergent with clean water.

Caring for powder-coated aluminium

Cleaning is desirable if the fine finish of powder-coated aluminium is to be preserved. Deterioration of the coating occurs mainly as a result of grime deposition and attack by moisture, which in a coastal environment contains chlorides and sulphur compounds.

ACCREDITATIONS

Capral Aluminium extrusions are produced to the chemical composition, mechanical property and dimensional tolerances in AS/NZS 1866:1997.

Capral is also accredited to:

- AS/NZS ISO 9001:2015 Quality Management Systems
- AS/NZS ISO 14001:2015 Environmental Management Systems
- AS/NZ 45001:2018 OHS Management Systems Accreditation
- ISO/IEC 17025. NATA Accredited Mechanical Testing Laboratory
- Safety Accreditation
- All major international marine classification societies including DNV (Det Norske Veritas) and Lloyds Register

AUSTRALIAN TRUSTED TRADER

MEMBERSHIPS

- HIA Member
- Australian Glass & Window Association Member
- National Security Screen Association Member
- Australian Institute of Surface Finishing Member
- Aluminium Stewardship Initiative Member
- Materials and Embodied Carbon Leaders' Alliance (MECLA)

HIA · AGWA · AUSTRALIAN GLASS & WINDOW ASSOCIATION · NSA NATIONAL SECURITY SCREEN ASSOCIATION · ASI MEMBER · MECLA

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