

Capral's Little green Book.

CAPRAL

ALUMINIUM CENTRE

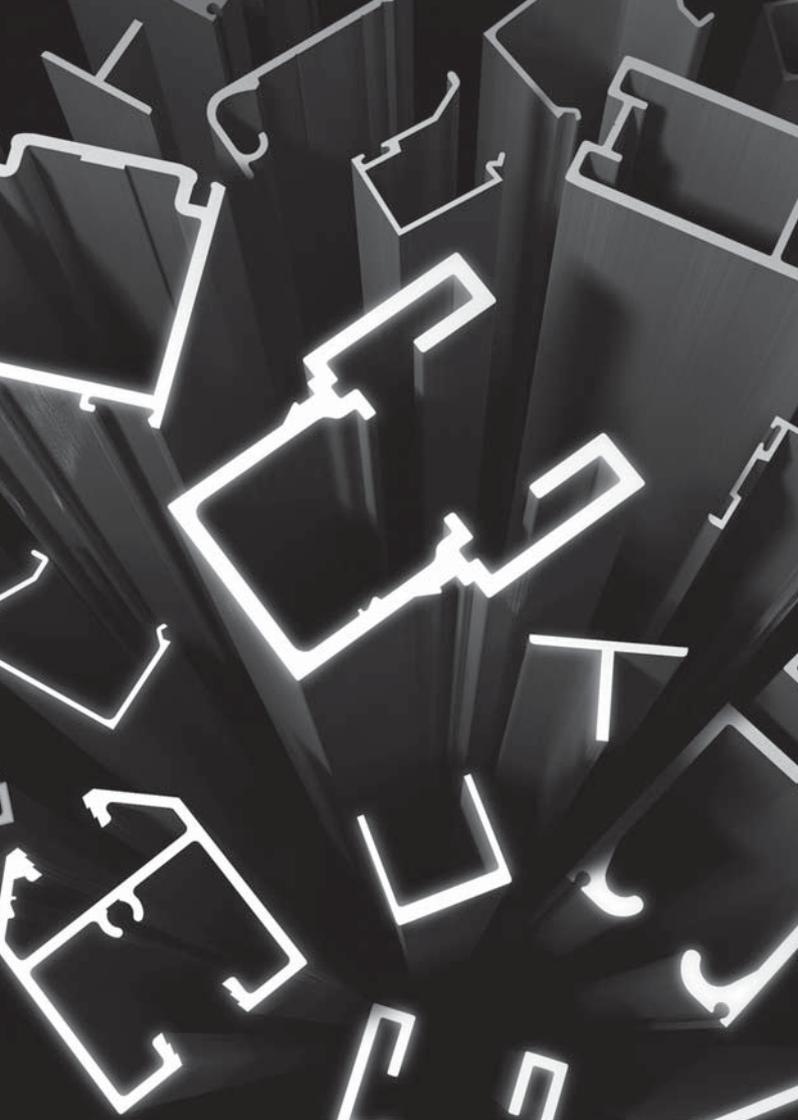


How to use this Book.

Capral Aluminium Centres are a one stop trade centre offering retail and wholesale customers aluminium geometric extrusions, machine rod, plate and aluminium sheet products. The little Green Book has been produced for the local tradesman who can at a glance look up a particular product within the product reference manual. It's small enough to fit in your tool box, glove box or back pocket and handy to have with you wherever you go. Products in the Little Green Capral Book are either stocked or available to order from Capral Aluminium Centres for distribution to your specific delivery point - delivery charges may apply.

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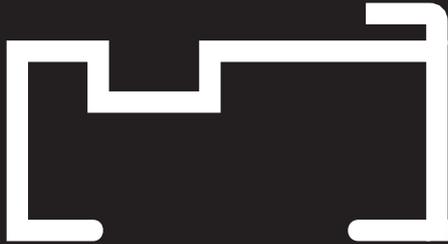
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Capral at a Glance.

With a history spanning over 75 years, Capral is the largest manufacturer and distributor of aluminium products located in Australia. Capral'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.

Capral'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 called 'Capral Aluminium Centres' operating throughout metropolitan and regional Australia supplying a wide range of geometric extrusions, machine rod, plate and aluminium sheet products.



Capral Heritage

Capral is Australia's largest manufacturer of aluminium products with a history of investing in Australian industry for over 75 years. Capral understands the Australian market and its environmental conditions and this has made it Australia's leading designer, manufacturer and distributor of aluminium extrusions.

Special Extruded Products

Capral 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.

Accreditation and Certification

All extrusions manufactured by Capral are produced to the chemical composition, mechanical property and dimensional tolerances in AS/NZS 1866:1997. Capral is also accredited to:

- AS/NZS ISO 9001:2008 - Quality Management Systems.
- AS/NZS ISO 14001:2004 - Environmental Management Systems.
- ISO/IEC 17025 - NATA Accredited Mechanical Testing Laboratory.
- All major international marine classification societies including DNV (Det Norske Veritas) and Lloyds Register.

Aluminium The Super Metal

Innovation drives our world. New developments and technologies spur a constant search for new and improved materials to satisfy the limits of our imagination, yet few to date have surpassed the sheer versatility of aluminium. Aluminium is corrosion resistant, strong, lightweight and long lasting.

It is a metal which may be cast, rolled, drawn or extruded and may 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 is an environmentally sustainable material.

Aluminium Uses

Aluminium is the material of choice for an array of applications from building and construction materials, consumer products, electronics and aeronautics just to name a few.

You will find aluminium in safety components of your car, from the seat belt assembly to the anti-lock braking system. You will find it in other places too, your kitchen appliances, your pots and pans, your mobile phone or even in the next aeroplane you fly in. The applications for aluminium span almost every major industry.

Its strength to weight ratio allows products to be lighter, stronger and more efficient.

Its corrosion resistant properties lend itself to harsh environments, providing low maintenance solutions and ensuring extended product lifecycles.

The many forms aluminium alloys can take, allow it equally to being cast into forms, drawn into tube or strand applications, extruded into intricate profiles or rolled into heavy plate or ultra-thin foils. In fact it's hard to imagine how different our lives would be without aluminium.

Drawings

Drawings shown in this product reference manual are generally not to scale and are an indication of the general shape and/or major dimensions. If you require full scale, full dimensioned drawings with tolerance details, please contact your nearest Capral Aluminium Centre for assistance.

Abbreviations

T = Thickness/gauge

W = Width

L = Length

Kg = Kilogram

M = Metres

mm = Millimetres

Alloy Characteristics

Extruded Products

Alloy	Typical Application	Forms Available						Characteristics					
		Forms Available				Drawn		Corrosion Resistance	Machining	Anodising	Forming	Welding	Heat Treatable
		Rod and Bar	Solid Shapes	Hollow Shapes	Tube	Rod and Bar	Tube						
6060	Most commonly used extrusion alloy. Architectural and general purpose.	●	●	●	●	●		A	CC	A	AC	A	Yes
6061	Structural alloy with medium weld strength and good corrosion resistance.	●	●	●	●	●		B	BC	B	AC	A	Yes
6005A	Structural applications, transport, marine.	●	●	●	●			AA	BC	B	AC	A	Yes
6106	General purpose and light structural.	●	●	●	●	●		A	CB	A	AC	A	Yes
6262	Commercial machining alloy with good anodising.	●	E	E	●	●		B	AA	B	AC	A	Yes
6082	Heavy duty structures with good corrosion resistance and medium weld strength. Transport, marine etc	●	●	●	●			AB	BC	B	AC	A	Yes
6463A	Trims requiring decorative finishing	E	E					A	C	A	A	A	Yes

Relative ratings are in decreasing order of merit = A, B, C, D.

E = Special enquiry needed to clarify application.

NR = Not recommended.

Where applicable, ratings for both annealed and hardest temper are given, e.g. A, C. Rating indicates suitability of alloy for decorative quality anodising, all aluminium alloys can be anodised for increased corrosion and wear resistance.

Rolled Products

Alloy	Typical Application	Forms Available				Characteristics					
		Plate	Flat Sheet	Coiled Sheet	Circles Blanks	Corrosion Resistance	Machining	Anodising	Forming	Welding	Heat Treatable
1050	Chemical and process plant, and equipment.	●	●	●		AA	DC	BB	AD	AA	No
1200	Commercial pure aluminium. Uses include cooking utensils, packing containers, building components (not stressed) and domestic appliances. Deep drawing quality available.		●	●	●	AA	DC	BB	AC	BA	No
5005	A stronger alloy than 1200. This is a general purpose alloy suitable to welding.	●	●	●	●	AA	DC	BB	AC	BA	No
5052	Sheet metal work, appliances, marine applications.	●	●	●		AA	CB	CC	AC	BA	No
5083	Used in high strength structural applications principally in the form of sheet and plate for welded marine applications and road transport vehicles.	●	●			AC	CB	CC	AC	BA	No
5251	A medium strength alloy with reasonable ductility-work hardens rapidly. Very suitable for welding with a high corrosion resistance, particularly in marine atmospheres. Uses include boats, panelling and pressings for transport, boxes and containers. Suitable for applications specifying 5052.	●	●	●		AA	CB	CC	AC	BA	No

Relative ratings are in decreasing order of merit = A, B, C, D (where A = most applicable).
Two ratings: e.g. AC are for annealed and hardest tempers.

Rolled Products

Alloy	Typical Application	Forms Available				Characteristics					
		Plate	Flat Sheet	Coiled Sheet	Circles Blanks	Corrosion Resistance	Machining	Anodising	Forming	Welding	Heat Treatable
5383	Specially developed for the marine industry. Similar characteristics to 5083 with enhanced weldability.					AC	CB	CC	AC	A	No
5454	Welded structures, pressure vessels for use at elevated temperatures, marine applications.					AA	CB	CC	AC	BA	No
6061	Structural applications where corrosion resistance is required, Transport, marine.					BB	BC	BB	AC	BA	Yes

Relative ratings are in decreasing order of merit = A, B, C, D (where A = most applicable).
Two ratings: e.g. AC are for annealed and hardest tempers.

Additional Information

Pickup: Free pick up during business hours only at Capral Aluminium Centres.

Packaging: Capral Aluminium Centres provide top quality cardboard packing which is adequate for normal transport methods. If a particular transport method is nominated by the Purchaser, this packaging must be nominated on the purchasers order and will be charged to the purchaser.

Delivery: The method of packaging and shipment of the goods will be designated by Capral. Charges to the purchaser's account may be made where other methods are requested by the purchaser. Unless stated otherwise on specific product data, the following delivery terms will apply:

1. All orders from Capral Aluminium Centres will be at the purchaser's option:
 - (a) Delivered to the purchasers address if within Capral's Aluminium Centres normal metropolitan delivery area for the nominated delivery charge per order
 - (b) Collected by the Customer or his authorised representative from the Capral Aluminium Centre. Twenty four hour notice of intention to collect may be required.
2. If it is necessary for Capral Aluminium Centre to split an order into more than one delivery, only the nominated delivery charge will apply.
3. Request for delivery by a mode of transport, or to a destination, not covered in 1. above, will be subject to special enquiry.

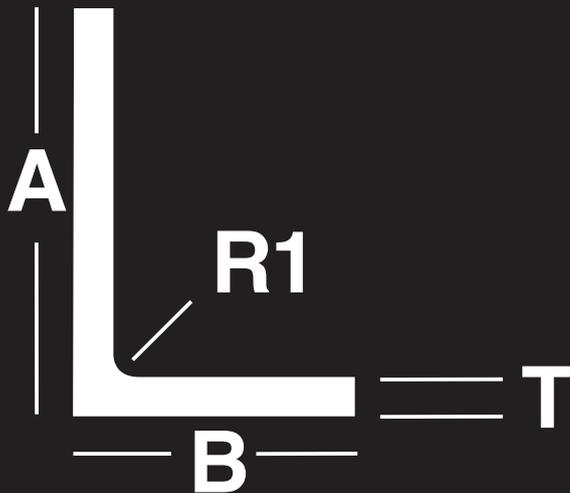
Prices subject to quotation: Written quotations for specific projects or products not covered by the Capral standard price list will be held firm for thirty (30) days from the quotation date.

Capral reserves the right to revise any quotation not accepted within the (30) day period.

Orders from products subject to quotation will be delivered in accordance with the Capral delivery schedule operating at the time the order is placed. If the purchaser requests a deferment of delivery, then Capral will invoice the purchaser for the goods at the time they are ready for delivery.



Angles



Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
813623	EK9102	12	12	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.624
813626	EK9103	12	12	3	–	6.5	100	100	Mill Finish	6060 T5	1.111
813586	EB1118	16	16	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.858
813627	EK9104	16	16	3	–	6.5	100	100	Mill Finish	6060 T5	1.527
813631	EK9105	20	12	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.845
841398	EK9106	20	12	3	–	6.5	100	100	Mill Finish	6060 T5	1.527
813637	EK9107	20	20	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.073
813640	EK9108	20	20	3	–	6.5	100	100	Mill Finish	6060 T5	1.95
813645	EK9109	25	12	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.995
815393	EK9110	25	12	3	–	6.5	100	100	Mill Finish	6060 T5	1.788
813650	EK9111	25	20	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.216
813653	EK9112	25	20	3	–	6.5	100	100	Mill Finish	6060 T5	2.21
813740	EK9216	25	25	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.352
813746	EK9217	25	25	3	–	6.5	100	100	Mill Finish	6060 T5	2.476
850349	EU2611	25	25	6	–	6.5	100	100	Mill Finish	6060 T5	4.628
813657	EK9114	32	20	1.6	–	6.5	104	100	Mill Finish	6060 T5	1.417
813658	EK9116	32	20	3	–	6.5	103	103	Mill Finish	6060 T5	2.581
841418	EK9117	32	25	3	–	6.5	114	114	Mill Finish	6060 T5	2.841
810936	EB1126	32	32	1.6	–	6.5	128	128	Mill Finish	6060 T5	1.755
813662	EK9118	32	32	3	–	6.5	128	128	Mill Finish	6060 T5	3.211

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
807782	E20434	40	12	1.6	–	6.5	104	104	Mill Finish	6060 T5	1.417
841428	EK9120	40	12	3	–	6.5	103	103	Mill Finish	6060 T5	2.581
813752	EL3257	40	20	1.6	–	6.5	119	119	Mill Finish	6060 T5	1.638
813663	EK9121	40	20	3	RAD	6.5	119	119	Mill Finish	6060 T5	3.003
813792	EL8124	40	25	1.6	–	6.5	129	129	Mill Finish	6060 T5	1.774
813665	EK9122	40	25	3	–	6.5	130	130	Mill Finish	6060 T5	3.263
813672	EK9123	40	40	1.6	–	6.5	160	160	Mill Finish	6060 T5	2.197
813676	EK9124	40	40	3	–	6.5	160	160	Mill Finish	6060 T5	4.056
813679	EK9125	40	40	4	–	6.5	160	160	Mill Finish	6060 T5	5.336
813682	EK9126	40	40	6	–	6.5	160	160	Mill Finish	6060 T5	7.793
811106	EK9127	50	12	3	–	6.5	124	124	Mill Finish	6060 T5	3.107
810102	E34020	50	20	1.6	–	6.5	140	137	Mill Finish	6060 T5	1.911
841457	EK9128	50	20	3	–	6.5	140	140	Mill Finish	6060 T5	3.53
813684	EK9129	50	25	1.6	–	6.5	149	149	Mill Finish	6060 T5	2.06
813687	EK9130	50	25	3	–	6.5	150	150	Mill Finish	6060 T5	3.789
841461	EK9131	50	40	3	–	6.5	180	180	Mill Finish	6060 T5	4.582
807916	EL9417	50	50	1.6	–	6.5	199	199	Mill Finish	6060 T5	2.763
813690	EK9132	50	50	3	–	6.5	200	200	Mill Finish	6060 T5	5.109
813692	EK9133	50	50	4	–	6.5	200	200	Mill Finish	6060 T5	6.74
813696	EK9134	50	50	6	–	6.5	200	200	Mill Finish	6060 T5	9.899

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
810977	EG6419	50.8	50.8	6.4	RAD	5.5	201	201	Mill Finish	6061 T6	9.102
840368	EB1155	60	25	3	–	6.5	169	169	Mill Finish	6060 T5	4.316
809503	E20560	60	40	4	–	6.5	198	198	Mill Finish	6060 T5	6.714
813699	EK9135	60	60	3	–	6.5	240	240	Mill Finish	6060 T5	6.162
841483	EK9136	60	60	6	–	6.5	240	240	Mill Finish	6060 T5	12.006
810100	E34019	70	20	1.6	–	6.5	180	177	Mill Finish	6060 T5	2.476
843047	EN5714	70	25	1.6	–	6.5	190	190	Mill Finish	6060 T5	2.613
815581	EN7492	70	40	1.6	–	6.5	220	220	Mill Finish	6060 T5	3.036
809505	E20561	75	25	1.6	–	6.5	200	200	Mill Finish	6060 T5	2.762
808398	E03237	76.2	25.4	3.2	–	6.5	203	203	Mill Finish	6060 T5	5.479
841100	EG6410	76.2	50.8	6.35	RAD	5.5	251	251	Mill Finish	6061 T6	11.523
808143	E06168	76.2	76.2	3.2	–	6.5	305	305	Mill Finish	6060 T5	8.313
841094	EG6408	76.2	76.2	6.35	RAD	5.5	301	301	Mill Finish	6061 T6	13.959
841093	EG6407	76.2	76.2	9.52	RAD	5.5	302	302	Mill Finish	6061 T6	20.389
813700	EK9137	80	20	3	–	6.5	199	199	Mill Finish	6060 T5	5.109
808489	E20559	80	50	2.5	–	6.5	260	260	Mill Finish	6060 T5	5.596
817737	EN5324	80	50	6	RAD	6	258	258	Mill Finish	6061 T6	12.108
809497	E20536	80	80	4	–	6.5	320	320	Mill Finish	6060 T5	10.952
841492	EK9138	80	80	6	–	6.5	320	320	Mill Finish	6060 T5	16.218
809521	E20709	80	80	10	RAD	6	317	317	Mill Finish	6061 T6	24.426

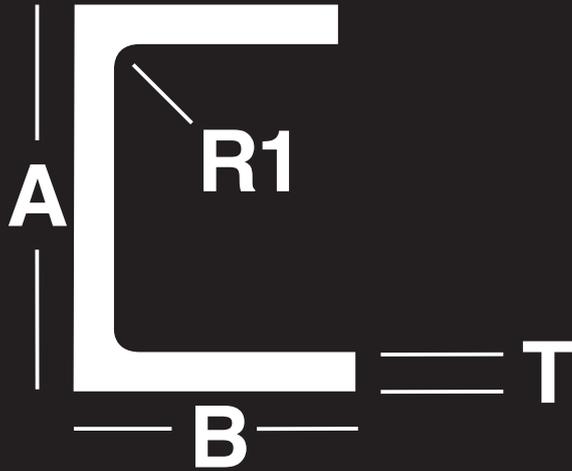
Angles continued

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
908410	EME30823	90	40	1.6	RAD	6.5	259	259	Mill Finish	6060 T5	3.601
808487	E20525	100	50	4	–	6.5	300	300	Mill Finish	6060 T5	10.25
847658	EQ1558	100	50	6	RAD	6	298	298	Mill Finish	6061 T6	14.052
809523	E20714	100	100	8	RAD	6	397	397	Mill Finish	6061 T6	25.008
810938	EB1153	101.6	50.8	3.2	–	6	305	305	Mill Finish	6060 T5	7.692
808344	EL4195	101.6	50.8	6.4	RAD	5.5	302	302	Mill Finish	6061 T6	13.954
910166	EXP0062	101.6	101.6	6.35	–	5.5	402	402	Mill Finish	6351 T6	18.827
808206	EK9139	125	50	3	–	6.5	350	350	Mill Finish	6060 T5	9.054
809517	E20700	125	50	6	RAD	6	348	348	Mill Finish	6061 T6	16.482

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Channels

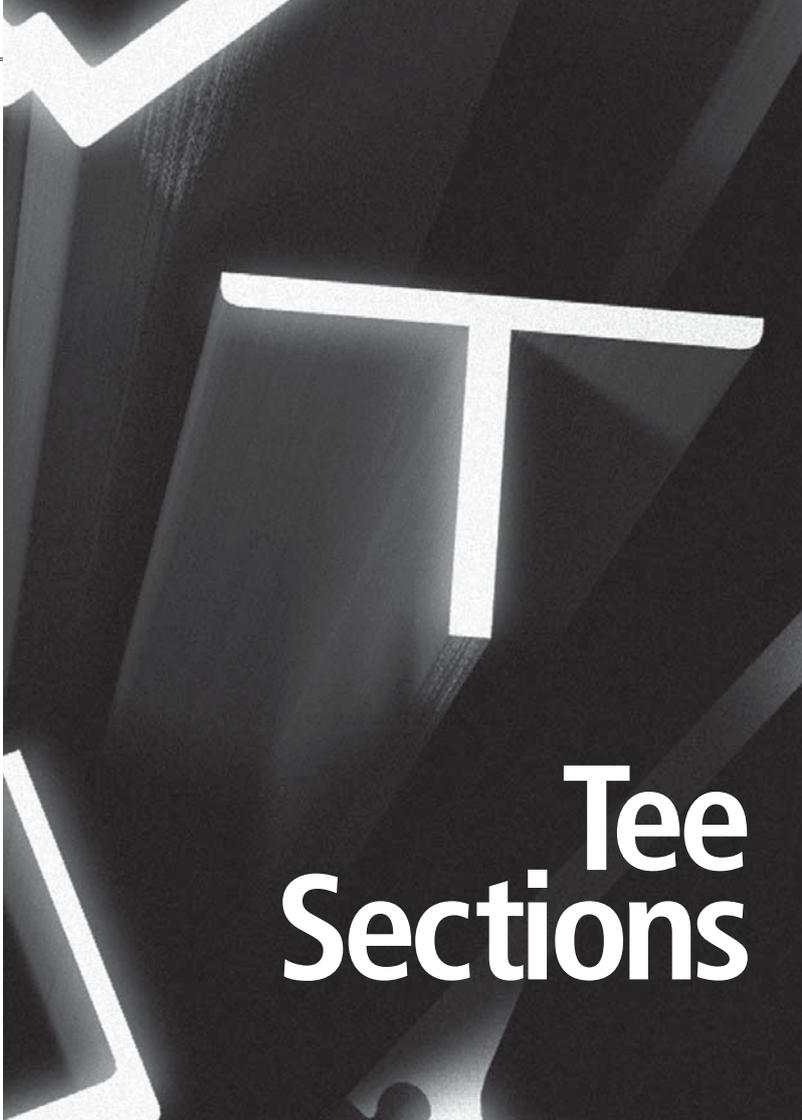


Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
813710	EK9146	10	10	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.754
813716	EK9149	12	12	1.6	–	6.5	100	100	Mill Finish	6060 T5	0.917
815401	EK9151	12	20	2.5	–	6.5	100	100	Mill Finish	6060 T5	2.061
808161	E20770	16	12	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.033
815408	EK9152	16	16	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.261
809530	E20772	16	16	3	–	6.5	100	100	Mill Finish	6060 T5	2.21
813719	EK9153	20	16	1.6	–	6.5	101	101	Mill Finish	6060 T5	1.372
811130	EL1812	20	20	1.6	–	6.5	116	116	Mill Finish	6060 T5	1.592
841525	EK9155	20	20	3	–	6.5	114	114	Mill Finish	6060 T5	2.841
815410	EK9156	25	12	3	–	6.5	100	100	Mill Finish	6060 T5	2.262
813748	EL1813	25	20	1.6	–	6.5	127	127	Mill Finish	6060 T5	1.735
813721	EK9157	25	20	2.5	–	6.5	124	124	Mill Finish	6060 T5	2.632
813756	EL5249	25	25	1.6	–	6.5	147	100	Mill Finish	6060 T5	2.015
813724	EK9158	25	25	3	–	6.5	143	143	Mill Finish	6060 T5	3.627
815412	EK9159	25	40	3	–	6.5	203	105	Mill Finish	6060 T5	5.213
809544	E20784	32	16	1.6	–	6.5	125	125	Mill Finish	6060 T5	1.703
815413	EK9160	32	25	3	–	6.5	158	158	Mill Finish	6060 T5	4.004
847649	EQ1556	40	20	2	–	6.5	156	156	Mill Finish	6060 T5	2.665
813727	EK9161	40	20	3	–	6.5	153	153	Mill Finish	6060 T5	3.893
813730	EK9162	40	25	3	–	6.5	174	174	Mill Finish	6060 T5	4.42
809552	E20790	40	40	3	–	6.5	232	232	Mill Finish	6060 T5	6
811004	EH5367	41.9	25.4	1.6	–	6.5	181	181	Mill Finish	6060 T5	2.502

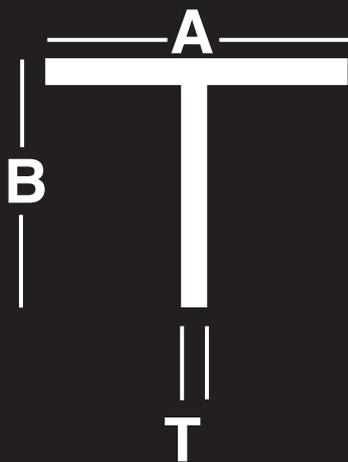
Channels continued

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
808197	EG1021	44.45	25.4	3.18	—	6.5	184	184	Mill Finish	6060 T5	4.959
841317	EK5215	44.45	44.45	6.35	RAD	4	252	252	Mill Finish	6060 T5	8.228
809134	EK9215	50	25	3	—	6.5	194	194	Mill Finish	6060 T5	4.947
813731	EK9163	50	50	3	—	6.5	294	294	Mill Finish	6060 T5	7.578
809558	E20821	54.2	20	1.6	—	6.5	185	185	Mill Finish	6060 T5	2.561
841550	EK9164	60	32	3	—	6.5	242	242	Mill Finish	6060 T5	6.214
808199	EG6435	76	38	7.95	RAD	5.5	286	286	Mill Finish	6061 T6	15.032
813733	EK9165	80	25	3	—	6.5	253	253	Mill Finish	6060 T5	6.526
813735	EK9166	80	40	4	—	6.5	312	312	Mill Finish	6060 T5	10.673
813736	EK9168	100	25	3	—	6.5	294	294	Mill Finish	6060 T5	7.578
912921	EAL22966	100	45	4.8	RAD	6.5	366	366	Mill Finish	6005A T5	15.249
815321	EB1208	100	50	3	—	6.5	394	394	Mill Finish	6060 T5	10.212
842521	EN3527	100	50	5.0	RAD	6	386	386	Mill Finish	6005 T5	15.564
841141	EG6434	101.6	50.8	7.93	RAD	5.5	385	385	Mill Finish	6082 T6	20.581
841125	EG6433	127	63.5	9.53	RAD	5.5	486	486	Mill Finish	6061 T6	28.875
810981	EG6432	152	64	7.95	RAD	5.5	536	536	Mill Finish	6061 T6	28.556
810979	EG6430	177.8	76.2	6.35	—	5.5	637	637	Mill Finish	6061 T6	40.738
809563	E20935	180	80	11.0	RAD	6	662	662	Mill Finish	6061 T6	44.118
885566	EN3529	200	90	10.0	RAD	6	730	730	Mill Finish	6060 T5	51.888
850292	EU1691	254	115	12.5	RAD	6	919	919	Mill Finish	6061 T6	90.762

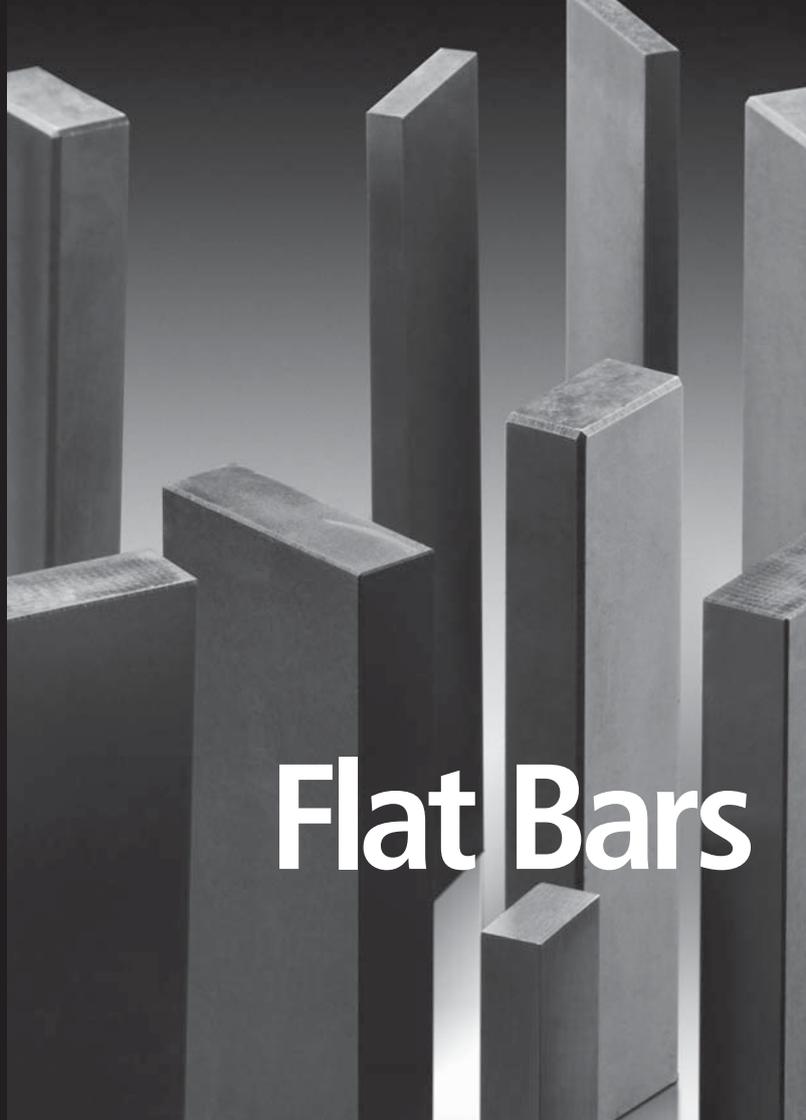
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Tee Sections



Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
811108	EK9140	20	20	1.6	–	4	100	100	Mill Finish	6060 T5	0.664
841498	EK9141	20	20	3	–	4	100	100	Mill Finish	6060 T5	1.2
813705	EK9142	25	25	1.6	–	6.5	100	100	Mill Finish	6060 T5	1.359
841506	EK9143	25	25	3	–	6.5	100	100	Mill Finish	6060 T5	2.477
810132	EL5287	40	40	1.6	–	6.5	160	100	Mill Finish	6060 T5	2.204
813708	EK9144	40	40	3	–	6.5	160	160	Mill Finish	6060 T5	4.056
808462	E20212	50	25	1.6	–	6.5	150	100	Mill Finish	6060 T5	2.054
815047	E20219	50	50	4	RAD	6	195	195	Mill Finish	6082 T6	6.318
815046	E20205	50	50	6	RAD	6	195	195	Mill Finish	6082 T6	9.312



Flat Bars

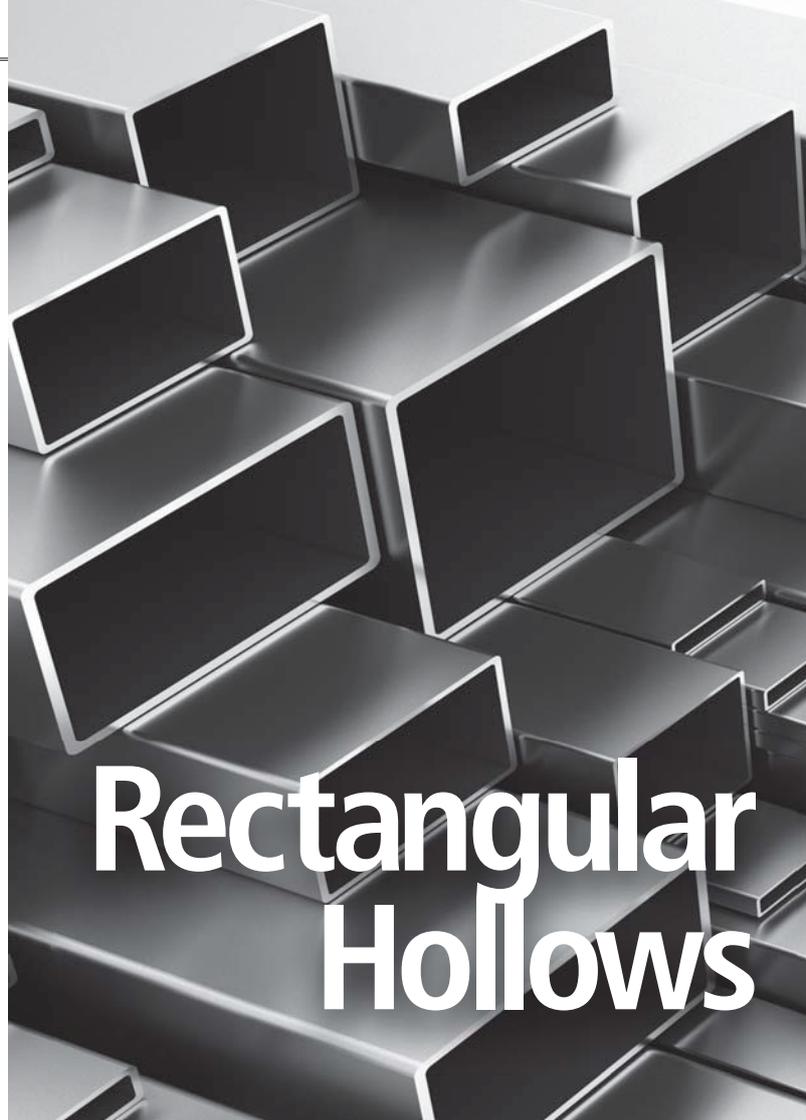
Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
816250	EX4001	10	3	-	-	4	100	100	Mill Finish	6060 T5	0.32
852141	EX4095	12	1.6	-	-	4	100	100	Mill Finish	6060 T5	0.208
813931	EX4002	12	3	-	-	4	100	100	Mill Finish	6060 T5	0.388
851813	EX4019	12	6	-	-	4	100	100	Mill Finish	6060 T5	0.776
851988	EX4003	16	3	-	-	4	100	100	Mill Finish	6060 T5	0.52
816249	EX4000	20	1.6	-	-	4	100	100	Mill Finish	6060 T5	0.344
813934	EX4004	20	3	-	-	4	100	100	Mill Finish	6060 T5	0.648
816259	EX4020	20	6	-	-	4	100	100	Mill Finish	6060 T5	1.3
808087	E20016	20	10	-	-	4	100	100	Mill Finish	6060 T5	2.16
852060	EX4036	20	12	-	-	4	100	100	Mill Finish	6060 T5	2.592
813938	EX4005	25	3	-	-	4	100	100	Mill Finish	6060 T5	0.812
813960	EX4021	25	6	-	-	4	100	100	Mill Finish	6060 T5	1.62
813973	EX4029	25	10	-	-	4	100	100	Mill Finish	6060 T5	2.7
852061	EX4037	25	12	-	-	4	100	100	Mill Finish	6060 T5	3.24
852083	EX4045	25	20	-	-	4	100	100	Mill Finish	6060 T5	5.4
875893	EX1468	25.4	1.57	-	-	4	100	100	Mill Finish	6060 T5	0.432
813943	EX4006	32	3	-	-	4	100	100	Mill Finish	6060 T5	1.036
816261	EX4022	32	6	-	-	4	100	100	Mill Finish	6060 T5	2.072
852036	EX4030	32	10	-	-	4	100	100	Mill Finish	6060 T5	3.456
813947	EX4007	40	3	-	-	4	100	100	Mill Finish	6060 T5	1.292

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
905855	EX4015	40	4	-	-	4	100	100	Mill Finish	6106 T6	1.728
813962	EX4023	40	6	-	-	4	100	100	Mill Finish	6060 T5	2.592
813974	EX4031	40	10	-	-	4	100	100	Mill Finish	6060 T5	4.316
852062	EX4038	40	12	-	-	4	104	104	Mill Finish	6060 T5	5.184
907742	E20038	40	16	-	-	4	112	112	Mill Finish	6060 T5	6.912
812605	EX4047	40	25	-	-	4	130	130	Mill Finish	6060 T5	10.8
813950	EX4008	50	3	-	-	4	106	106	Mill Finish	6060 T5	1.62
851805	EX4016	50	4	-	-	4	108	108	Mill Finish	6060 T5	2.16
813965	EX4024	50	6	-	RAD	4	110	110	Mill Finish	6060 T5	3.232
813975	EX4032	50	10	-	-	4	120	120	Mill Finish	6060 T5	5.4
816287	EX4039	50	12	-	-	4	124	124	Mill Finish	6060 T5	6.48
812603	EX4046	50	20	-	-	4	140	140	Mill Finish	6060 T5	10.8
808800	EX4048	50	25	-	-	4	150	150	Mill Finish	6060 T5	13.5
816253	EX4009	60	3	-	-	4	126	126	Mill Finish	6060 T5	1.944
816300	EX4069	60	6	-	-	4	132	132	Mill Finish	6060 T5	3.888
852128	EX4070	60	10	-	-	4	140	140	Mill Finish	6060 T5	6.48
852069	EX4040	60	12	-	-	4	144	144	Mill Finish	6060 T5	7.776
904735	EX4059	65	5	-	-	4	139	139	Mill Finish	6060 T5	3.508
906845	EAL12291	80	1.6	-	-	3.6	163	163	Mill Finish	6060 T5	1.242
813952	EX4010	80	3	-	-	4	166	166	Mill Finish	6060 T5	2.592

Flat bars continued

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
813969	EX4025	80	6	-	-	4	172	172	Mill Finish	6060 T5	5.184
813980	EX4033	80	10	-	-	4	180	180	Mill Finish	6060 T5	8.64
809391	E20061	80	12	-	-	4	184	184	Mill Finish	6060 T5	10.368
852081	EX4044	80	16	-	-	4	192	192	Mill Finish	6060 T5	13.824
808089	EX4049	80	25	-	-	4	210	210	Mill Finish	6060 T5	21.6
837582	E34113	100	1.5	-	-	3.75	202	202	Mill Finish	6060 T5	1.515
813957	EX4011	100	3	-	-	4	206	206	Mill Finish	6060 T5	3.24
813971	EX4026	100	6	-	-	4	212	212	Mill Finish	6060 T5	6.48
813982	EX4034	100	10	-	-	4	220	220	Mill Finish	6060 T5	10.8
813986	EX4042	100	12	-	-	4	224	224	Mill Finish	6060 T5	12.96
852097	EX4050	100	25	-	-	4	250	250	Mill Finish	6060 T5	27
969939	EP11453	150	8	-	-	4	314	314	Mill Finish	6060 T5	12.952
816276	EX4027	160	6	-	-	4	330	330	Mill Finish	6060 T5	10.36
816284	EX4035	160	10	-	-	4	340	340	Mill Finish	6060 T5	17.28
812601	EX4043	160	12	-	-	4	344	344	Mill Finish	6060 T5	20.736
852102	EX4051	160	25	-	-	4	370	370	Mill Finish	6060 T5	43.2

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Rectangular Hollows



Material No.	Die No	A mm	B mm	T mm	R1 m	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
888882	EP7822	38	16	1.6	RAD	6.5	106	106	Mill Finish	6060 T5	2.841
836484	E22174	38	25	1.5	RAD	6.5	120	120	Mill Finish	6106 T6	3.055
906033	EN9524	38	25	2	RAD	6.5	121	121	Mill Finish	6106 T6	4.037
808742	EH2938	38.1	17.45	3.18	—	6.5	111	111	Mill Finish	6060 T5	5.492
848193	EQ4084	38.1	25.4	1.6	RAD	6	121	121	Mill Finish	6106 T6	3.03
809093	EG2205	38.1	25.4	2.54	—	6.5	127	127	Mill Finish	6060 T5	5.206
814552	EN6565	38.3	25.3	1.95	RAD	6	126	126	Mill Finish	6106 T6	3.756
815318	EB1014	40	25	2.5	—	6.5	130	130	Mill Finish	6060 T5	5.265
809585	E22122	40	25	3	RAD	6.5	125	125	Mill Finish	6060 T5	6.09
809596	E22167	50	25	1.5	RAD	6.5	148	148	Mill Finish	6060 T5	3.776
850730	EU7751	50	25	2.5	—	6.5	150	150	Mill Finish	6060 T5	6.143
813770	EL8012	50	25	3	—	6.5	150	150	Mill Finish	6060 T5	7.267
815444	EL8013	50	40	3	—	6.5	180	180	Mill Finish	6060 T5	8.846
847616	EQ1148	50.8	25.4	2.5	RAD	6	150	150	Mill Finish	6060 T5	5.742
809089	EE3956	50.8	38.1	3.18	RAD	6.5	178	178	Mill Finish	6060 T5	9.366
813772	EL8015	60	40	3	—	6.5	200	200	Mill Finish	6060 T5	9.899
841963	EL8016	60	50	3	—	6.5	220	220	Mill Finish	6060 T5	10.985
816414	EE3867	63.5	50.8	3.18	RAD	6.5	229	229	Mill Finish	6060 T5	12.376
850051	EQ6823	65	16	1.2	RAD	6.5	156	156	Mill Finish	6060 T5	3.224
855605	EQ6948	65	16	1.4	RAD	6.5	156	156	Mill Finish	6060 T5	3.744
809142	EL4238	76.2	25.4	2.4	—	6.5	203	203	Mill Finish	6060 T5	8.157
841068	EG4433	76.2	38.1	3.18	RAD	6.5	229	229	Mill Finish	6060 T5	12.675

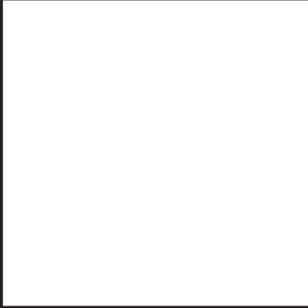
Rectangular Hollows continued

Material No.	Die No	A mm	B mm	T mm	R1 m	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
808139	E01864	76.2	50.5	3.2	–	6.5	253	253	Mill Finish	6060 T5	13.546
815907	EQ1915	76.2	50.8	1.6	–	6	254	254	Mill Finish	6060 T5	6.42
813774	EL8018	80	25	3	–	6.5	210	210	Mill Finish	6060 T5	10.426
813775	EL8019	80	40	3	–	6.5	240	240	Mill Finish	6060 T5	12.005
849873	EQ6383	80	40	3	RAD	6.5	229	229	Mill Finish	6061 T6	11.798
813778	EL8020	80	50	3	–	6.5	260	260	Mill Finish	6060 T5	13.058
943022	EP9944	80	50	3	RAD	6.5	250	250	Mill Finish	6060 T5	12.851
854520	EH5716	82.55	28.58	2.29	–	6.5	222	222	Mill Finish	6060 T5	8.567
847823	EQ2698	100	25	1.6	–	6.5	250	250	Mill Finish	6060 T5	6.84
813781	EL8021	100	25	2.5	–	6.5	250	250	Mill Finish	6060 T5	10.53
841984	EL8023	100	40	3	–	6.5	280	280	Mill Finish	6060 T5	14.112
895481	EP8087	100	50	1.6	–	6.5	299	299	Mill Finish	6106 T6	8.249
815450	EL8024	100	50	1.6	RAD	6.5	299	299	Mill Finish	6060 T5	8.242
813788	EL8025	100	50	3	–	6.5	300	300	Mill Finish	6060 T5	15.164
954507	EB1592	100	50	6	RAD	6.5	286	286	Mill Finish	6005A T5	28.158
842005	EL8028	125	40	3	–	6.5	330	330	Mill Finish	6060 T5	16.744
842006	EL8030	125	50	3	–	6.5	349	349	Mill Finish	6060 T5	17.791
815453	EL8033	150	50	3	–	6.5	400	400	Mill Finish	6060 T5	20.43
814487	E01795	152.4	38.1	3.2	–	6.5	381	381	Mill Finish	6060 T5	20.676
815456	EL8035	200	50	3	–	6.5	500	500	Mill Finish	6060 T5	25.694
814521	EH3532	203.2	50.8	4.75	–	6.5	507	507	Mill Finish	6060 T5	45.35
836457	E22173	250	50	3	–	6.5	600	600	Mill Finish	6106 T6	30.953

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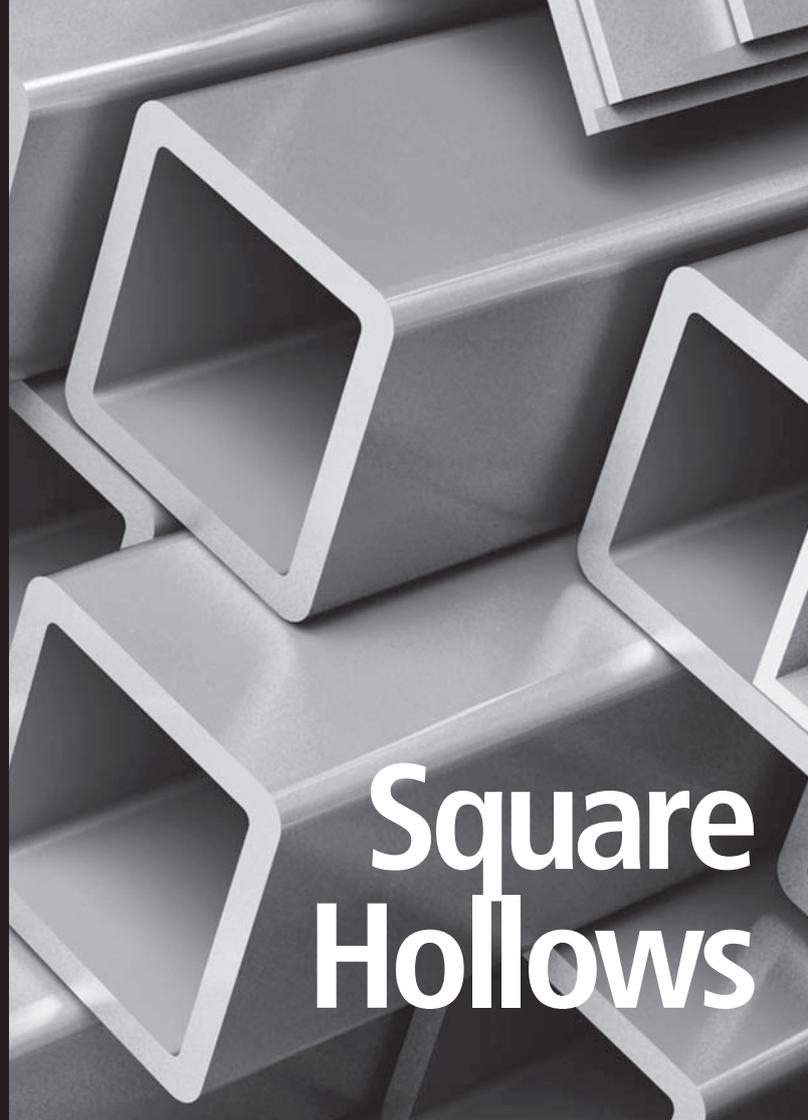
Square Solid



A

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
814123	EX6500	6	-	-	-	4	100	100	Mill Finish	6060 T5	0.388
856311	EX6501	10	-	-	-	4	100	100	Mill Finish	6060 T5	1.08
808810	EX6502	12	-	-	-	4	100	100	Mill Finish	6060 T5	1.556
856315	EX6503	16	-	-	-	4	100	100	Mill Finish	6060 T5	2.764
814126	EX6504	20	-	-	-	4	100	100	Mill Finish	6060 T5	4.32
856318	EX6505	25	-	-	-	4	100	100	Mill Finish	6060 T5	6.752
808812	EX6506	40	-	-	-	4	160	160	Mill Finish	6106 T6	17.024
808814	EX6507	50	-	-	-	4	200	200	Mill Finish	6106 T6	28.1
809426	EX6508	65	-	-	-	4	260	260	Mill Finish	6106 T6	45.632

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Square Hollows

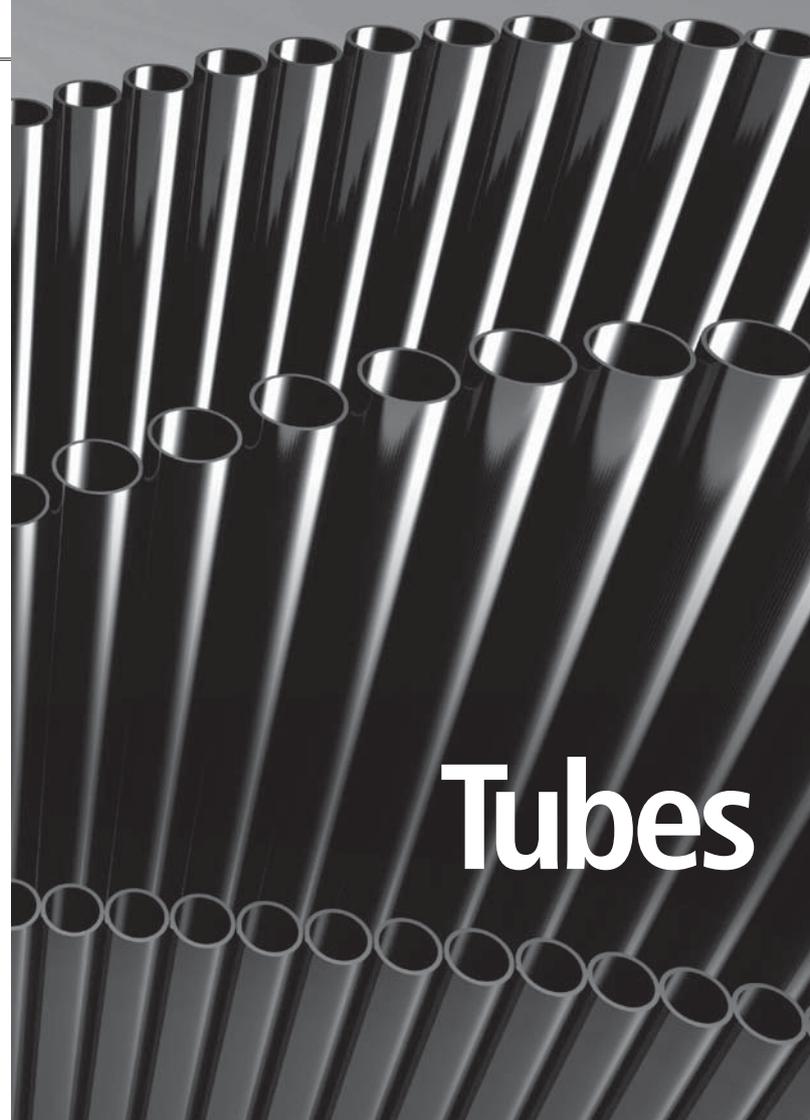


Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
815380	EH2913	12.7	—	1.57	—	6.5	100	100	Mill Finish	6060 T5	1.229
810990	EG8354	19.02	—	1.57	RAD	6.5	100	100	Mill Finish	6060 T5	1.885
811019	EK1333	19.05	—	1.2	—	6.5	100	100	Mill Finish	6060 T5	1.502
807904	EG5799	19.05	—	1.83	RAD	6.5	100	100	Mill Finish	6060 T5	2.21
808166	E22101	20	—	1.6	—	6.5	100	100	Mill Finish	6060 T5	2.074
813750	EL2299	20	—	3	—	6.5	100	100	Mill Finish	6060 T5	3.581
810378	E51872	20	—	3	RAD	6.5	100	100	Mill Finish	6060 T5	3.438
808512	E22103	25	—	1.6	—	6.5	100	100	Mill Finish	6060 T5	2.632
842497	EN3238	25	—	2	RAD	6.5	100	100	Mill Finish	6060 T5	2.982
815441	EL8003	25	—	3	—	6.5	100	100	Mill Finish	6060 T5	4.634
807853	E22120	25	—	3	RAD	6.5	100	100	Mill Finish	6060 T5	4.491
810372	E50413	25.4	—	1.2	RAD	6.5	100	100	Mill Finish	6060 T5	1.93
813594	EG1842	25.4	—	3.25	RAD	6.5	100	100	Mill Finish	6060 T5	5.05
815894	EQ1557	32	—	2	—	6.5	128	128	Mill Finish	6060 T5	4.212
813763	EL8005	32	—	3	—	6.5	128	128	Mill Finish	6060 T5	6.11
810374	E51264	37.35	—	2.5	RAD	6.5	141	141	Mill Finish	6060 T5	5.824
939032	EP9743	38	—	2	—	6.5	151	151	Mill Finish	6060 T5	5.051
843824	EN9549	38	—	2	RAD	6.5	147	147	Mill Finish	6060 T5	4.946
841064	EG2803	38.1	—	2.92	RAD	6.5	152	152	Mill Finish	6060 T5	7.365
815436	EL7938	40	—	1.6	—	6.5	159	159	Mill Finish	6060 T5	4.316
809876	EQ4000	40	—	2	—	6.5	160	160	Mill Finish	6060 T5	5.336
807851	E22108	40	—	3	—	6.5	160	160	Mill Finish	6060 T5	7.793

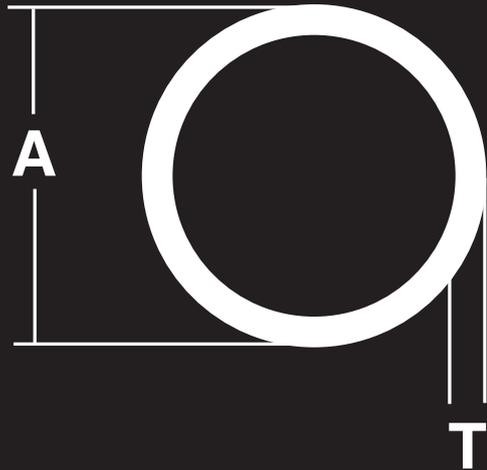
Square Hollows continued

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
808823	E73599	40	–	3	RAD	6.5	155	155	Mill Finish	6060 T5	7.702
808513	E22109	45	–	2.5	–	6.5	180	180	Mill Finish	6060 T5	7.461
812096	EQ2259	50	–	1.6	–	6.5	200	200	Mill Finish	6060 T5	5.434
938627	EQ6446	50	–	1.6	RAD	6.5	189	189	Mill Finish	6060 T5	5.174
855759	EB1003	50	–	2	–	6.5	200	200	Mill Finish	6060 T5	6.74
813768	EL8008	50	–	2.5	–	6.5	200	200	Mill Finish	6060 T5	8.333
840340	EB1004	50	–	3	–	6.5	200	200	Mill Finish	6060 T5	9.9
813616	EK1537	50.8	–	2.03	RAD	6.5	192	192	Mill Finish	6060 T5	6.623
807750	E11901	50.8	–	3.2	RAD	6.5	195	195	Mill Finish	6060 T5	10.387
849871	EQ6382	65	–	2.5	–	6.5	259	259	Mill Finish	6060 T5	10.965
812251	EU2011	65	–	3	RAD	6.5	251	251	Mill Finish	6060 T5	13.058
912600	EXP0149	75	–	3	–	6.5	300	300	Mill Finish	6060 T5	15.217
849548	EQ6032	75	–	3	RAD	6.5	290	290	Mill Finish	6060 T5	14.755
848221	EQ4171	76	–	6.35	RAD	6	277	277	Mill Finish	6082 T6	26.388
836420	E22119	100	–	3	RAD	6.5	398	398	Mill Finish	6060 T5	20.397
815375	EG7152	101.6	–	6.35	RAD	6.5	385	385	Mill Finish	6082 T5	40.632

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Tubes

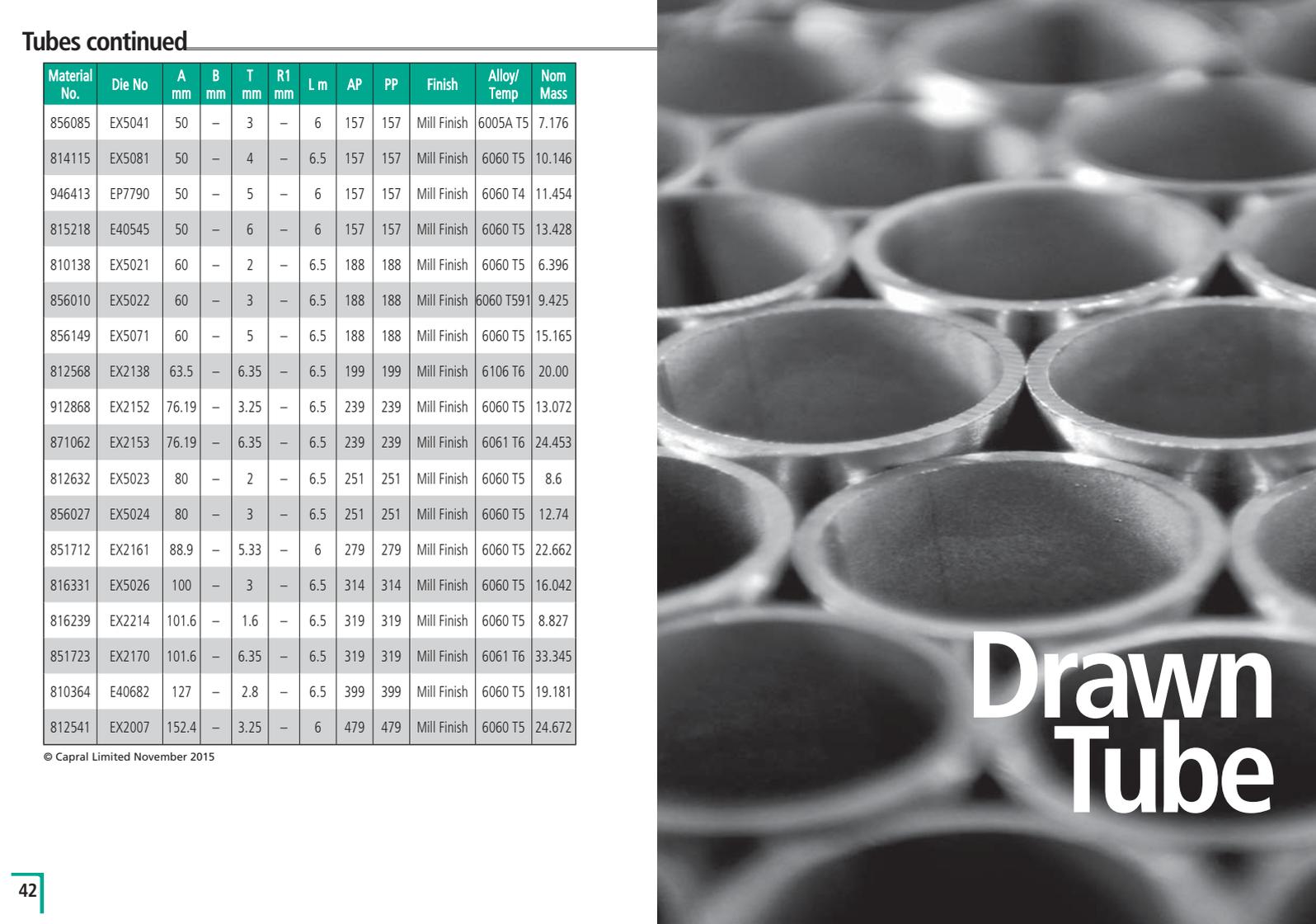


Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
816304	EX5001	10	-	1.2	-	6.5	100	100	Mill Finish	6060 T5	0.578
865941	EX5098	10	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	0.735
813994	EX5004	12	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	0.916
816213	EX2026	15.88	-	1.22	-	6	100	100	Mill Finish	6106 T6	0.912
851600	EX2028	15.88	-	1.63	-	6	100	100	Mill Finish	6060 T5	1.182
814011	EX5006	16	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	1.268
808548	E40149	19	-	1.2	-	6.5	100	100	Mill Finish	6060 T5	1.176
813927	EX2195	19.05	-	1.65	-	6.1	100	100	Mill Finish	6060 T5	1.482
814025	EX5008	20	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	1.625
814039	EX5010	25	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	2.067
814046	EX5011	25	-	3	-	6.5	100	100	Mill Finish	6060 T5	3.633
814057	EX5013	32	-	1.6	-	6.5	100	100	Mill Finish	6060 T5	2.684
814060	EX5014	32	-	3	-	6.5	101	101	Mill Finish	6060 T5	4.797
808541	E40015	38.1	-	2	-	6.5	120	120	Mill Finish	6060 T5	3.985
810269	E40016	38.1	-	3.25	-	6.5	120	120	Mill Finish	6060 T5	6.246
855977	EX5015	40	-	1.6	-	6.5	125	125	Mill Finish	6060 T5	3.387
814070	EX5017	40	-	3	-	6.5	126	126	Mill Finish	6060 T5	6.123
969202	EALH0417	44.5	-	3.2	-	6.5	140	140	Mill Finish	6060 T591	7.287
812582	EX2202	48.41	-	4.47	-	6	152	152	Mill Finish	6061 T6	9.996
855991	EX5018	50	-	1.6	-	6.5	157	157	Mill Finish	6060 T5	4.271
814093	EX5041	50.0	-	3.0	-	6.5	157	157	Mill Finish	6060 T5	7.77

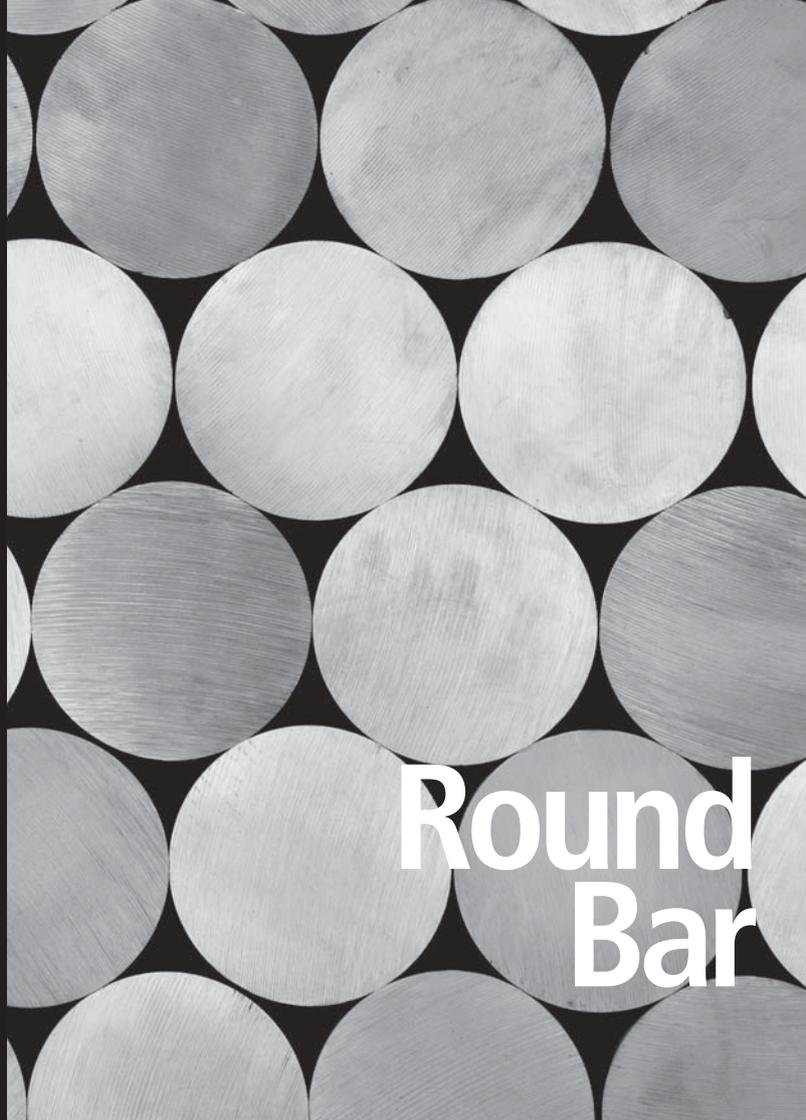
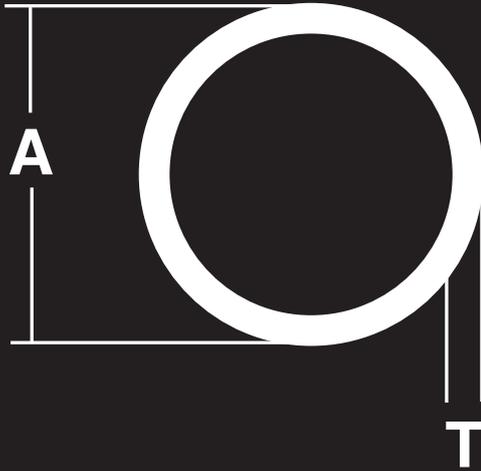
Tubes continued

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
856085	EX5041	50	-	3	-	6	157	157	Mill Finish	6005A T5	7.176
814115	EX5081	50	-	4	-	6.5	157	157	Mill Finish	6060 T5	10.146
946413	EP7790	50	-	5	-	6	157	157	Mill Finish	6060 T4	11.454
815218	E40545	50	-	6	-	6	157	157	Mill Finish	6060 T5	13.428
810138	EX5021	60	-	2	-	6.5	188	188	Mill Finish	6060 T5	6.396
856010	EX5022	60	-	3	-	6.5	188	188	Mill Finish	6060 T591	9.425
856149	EX5071	60	-	5	-	6.5	188	188	Mill Finish	6060 T5	15.165
812568	EX2138	63.5	-	6.35	-	6.5	199	199	Mill Finish	6106 T6	20.00
912868	EX2152	76.19	-	3.25	-	6.5	239	239	Mill Finish	6060 T5	13.072
871062	EX2153	76.19	-	6.35	-	6.5	239	239	Mill Finish	6061 T6	24.453
812632	EX5023	80	-	2	-	6.5	251	251	Mill Finish	6060 T5	8.6
856027	EX5024	80	-	3	-	6.5	251	251	Mill Finish	6060 T5	12.74
851712	EX2161	88.9	-	5.33	-	6	279	279	Mill Finish	6060 T5	22.662
816331	EX5026	100	-	3	-	6.5	314	314	Mill Finish	6060 T5	16.042
816239	EX2214	101.6	-	1.6	-	6.5	319	319	Mill Finish	6060 T5	8.827
851723	EX2170	101.6	-	6.35	-	6.5	319	319	Mill Finish	6061 T6	33.345
810364	E40682	127	-	2.8	-	6.5	399	399	Mill Finish	6060 T5	19.181
812541	EX2007	152.4	-	3.25	-	6	479	479	Mill Finish	6060 T5	24.672

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Drawn Tube



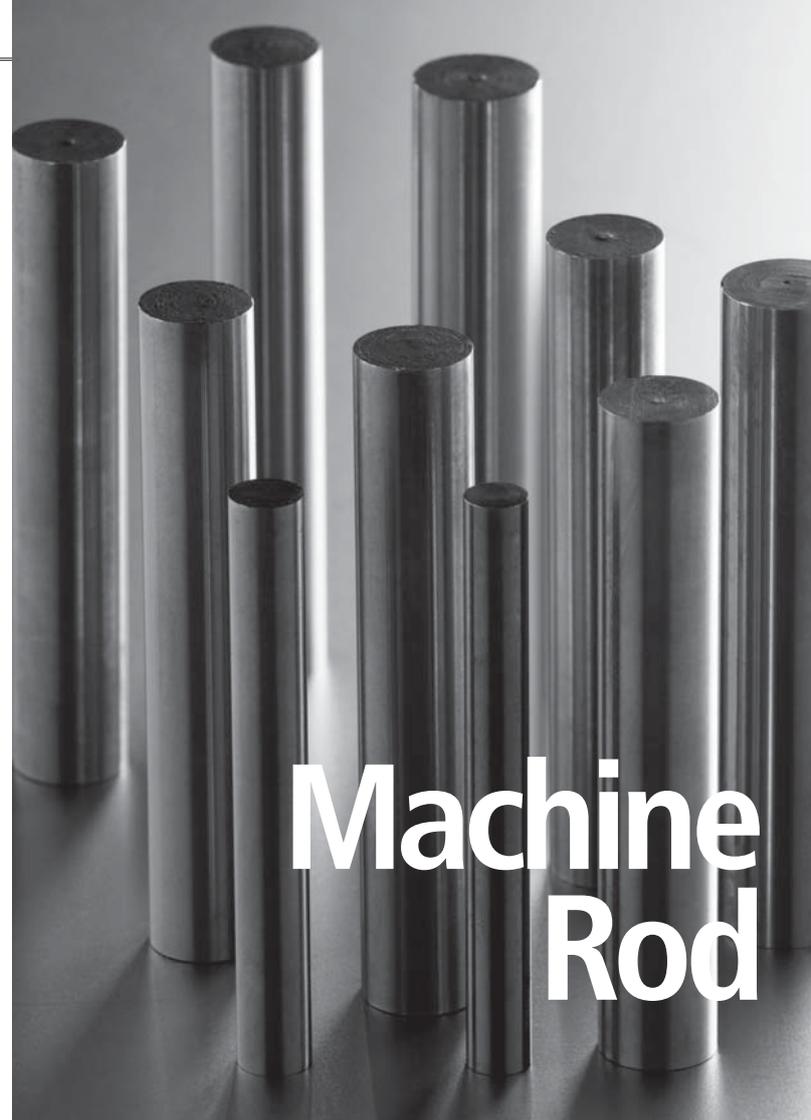
Round Bar

Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
600994	E-1214	12.7	-	1.42	-	5.5	-	-	Mill Finish	6060 T81	0.748
600853	EP8510	15.88	-	1.42	-	5.5	100	100	Mill Finish	6060 T81	0.957
600856	EP8511	19.05	-	1.42	-	5.5	111	100	Mill Finish	6060 T81	1.166
600324	E-2214	22.23	-	1.42	-	5.5	-	-	Mill Finish	6060 T81	1.381
600255	E-2514	25.4	-	1.42	-	5.5	-	-	Mill Finish	6060 T81	1.59
600256	E-2814	28.58	-	1.42	-	5.5	-	-	Mill Finish	6060 T81	1.799
600054	E-3216	32	-	1.6	-	6	-	-	Mill Finish	6060 T81	2.478

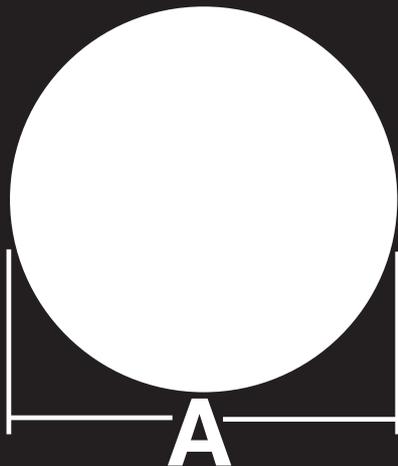
Round Bar

Material No.	Die No	A mm	B mm	T m	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
814954	EX6000	10	-	-	-	4	100	100	Mill Finish	6060 T5	0.844
816362	EX6001	12	-	-	-	4	100	100	Mill Finish	6060 T5	1.22
808384	EX6002	16	-	-	-	4	100	100	Mill Finish	6060 T5	2.172
808385	EX6003	20	-	-	-	4	100	100	Mill Finish	6060 T5	3.392
808794	EX3000	25.4	-	-	-	4	100	100	Mill Finish	6060 T5	5.468
851947	EX3000	25.4	-	-	-	4	100	100	Mill Finish	6061 T6	5.468
809459	E20306	30	-	-	-	4	100	100	Mill Finish	6061 T6	7.636
816367	EX6005	33	-	-	-	4	104	104	Mill Finish	6061 T6	9.236
812669	EX6006	39	-	-	-	4	123	123	Mill Finish	6061 T6	12.90
812675	EX6010	50	-	-	-	4	157	157	Mill Finish	6061 T6	21.204
905812	EX3058	60.33	-	-	-	4	190	190	Mill Finish	6061 T6	30.872
808808	EX6012	65	-	-	-	3	204	204	Mill Finish	6061 T6	26.877
808796	EX3066	76.19	-	-	-	2	239	239	Mill Finish	6061 T6	25.622
907980	EX3099	101.6	-	-	-	2	319	319	Mill Finish	6061 T6	43.78

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Machine Rod



Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
601202	EXP0074	6	–	–	–	3	100	100	Mill Finish	2011 T3	0.288
600892	EAL4066	8	–	–	–	3.6	100	100	Mill Finish	2011 T3	0.504
600708	EX6000	10	–	–	–	3.6	100	100	Mill Finish	2011 T3	0.767
600712	EX6001	12	–	–	–	3.6	100	100	Mill Finish	2011 T3	1.16
600710	EX6002	16	–	–	–	3.6	100	100	Mill Finish	2011 T3	1.962
600722	EX6003	20	–	–	–	3.6	100	100	Mill Finish	2011 T3	3.064
600724	E20303	22	–	–	–	3.6	100	100	Mill Finish	2011 T3	3.708
600726	EX3000	25.4	–	–	–	3.6	100	100	Mill Finish	2011 T3	5.2
600728	EX6004	27	–	–	–	3.6	100	100	Mill Finish	2011 T3	5.835
600730	E20306	30	–	–	–	3.6	100	100	Mill Finish	2011 T3	7.19
600732	EX6005	33	–	–	–	3.6	104	104	Mill Finish	2011 T3	8.675
600734	EX6036	36	–	–	–	3.6	113	113	Mill Finish	2011 T3	10.42
908395	EX6006	39	–	–	–	3.6	123	123	Mill Finish	2011 T6	12.085
911013	EX6007	42	–	–	–	3.6	132	132	Mill Finish	2011 T6	14.634
909446	EX6008	45	–	–	–	3.6	141	141	Mill Finish	2011 T6	15.455
908397	EX6010	50	–	–	–	3.6	157	157	Mill Finish	2011 T6	19.084
908000	EX6011	55	–	–	–	1.8	173	173	Mill Finish	2011 T6	11.547
908399	E20315	60	–	–	–	1.8	188	188	Mill Finish	2011 T6	13.741
908012	EX6012	65	–	–	–	1.8	204	204	Mill Finish	2011 T6	16.126
909448	EX6013	70	–	–	–	1.8	220	220	Mill Finish	2011 T6	18.704
906198	EX6014	75	–	–	–	1.8	236	236	Mill Finish	2011 T6	22.345
893428	EX6015	80	–	–	–	1.5	251	251	Mill Finish	2011 T6	21.127

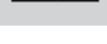
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Material No.	Die No	A mm	B mm	T mm	R1 mm	L m	AP	PP	Finish	Alloy/Temp	Nom Mass
893430	EX6016	90	-	-	-	1.5	283	283	Mill Finish	2011 T6	26.786
893432	EX6017	100	-	-	-	1.5	314	314	Mill Finish	2011 T6	31.809
893434	EX6018	110	-	-	-	1.5	346	346	Mill Finish	2011 T6	40.541
910098	EXP0076	120	-	-	-	1.5	100	100	Mill Finish	2011 T6	48.387
893166	EX6019	130	-	-	-	1.5	408	408	Mill Finish	2011 T6	55.556
893168	EX6020	140	-	-	-	1.5	440	440	Mill Finish	2011 T6	65.217
893170	EX6085	150	-	-	-	1.5	471	471	Mill Finish	2011 T6	75
893442	EX6021	160	-	-	-	1.5	503	503	Mill Finish	2011 T6	83.333
971907	EXP0333	190	-	-	-	1.5	597	597	Mill Finish	2011 T6	132.5
910198	EX6022	210	-	-	-	1.5	660	660	Mill Finish	2011 T6	146.54

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Moulds and Trims

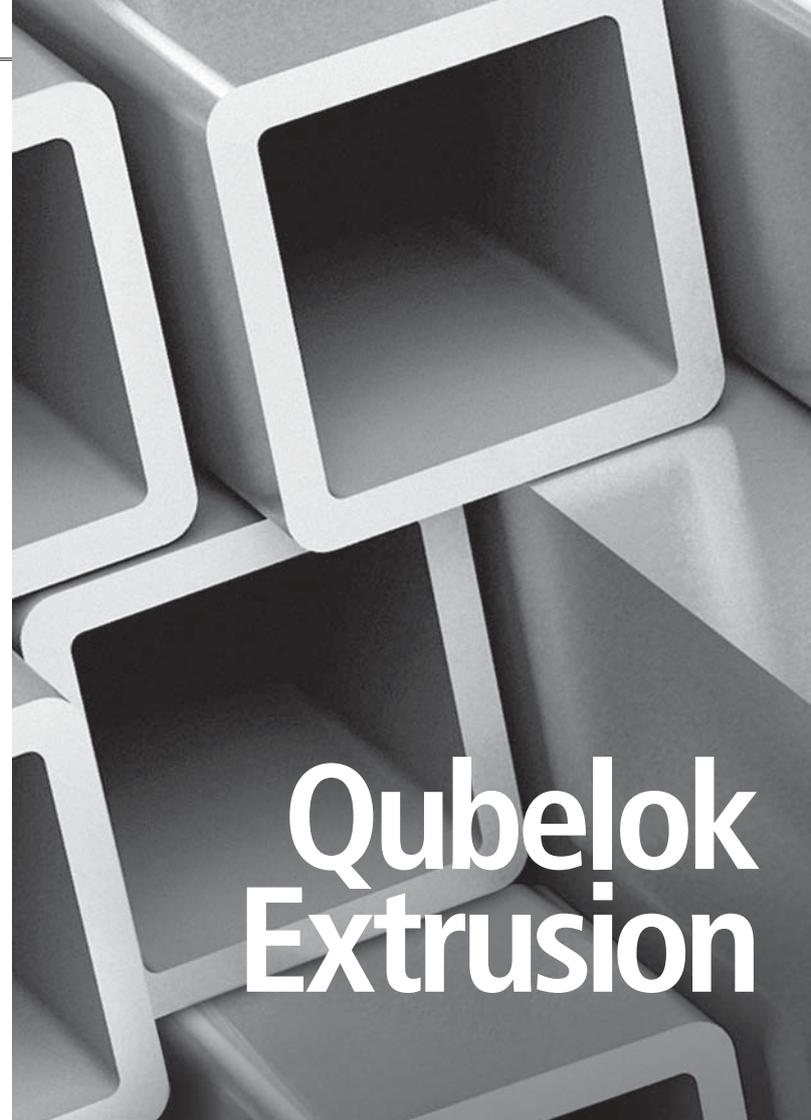


Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	813599	EG6449 (E00144) 6060 T1	Crescent mould 25.4 x 4.75 RAD	EG6449	4	100	100	Mill Finish
	808736	EE3388 6060 T1	Table edge 27.7 x 12.7 RAD	EE3388	4	100	100	Mill Finish
	841153	EG6444 6060 T1	Crescent mould 15.88 x 4.75 RAD	EG6444	4	100	100	Mill Finish
	810983	EG6448 6060 T1	Crescent mould 31.75 x 4.75 RAD	EG6448	4	100	100	Mill Finish
	808372	EG6454 6060 T1	J-Trim 23.8 x 12.7	EG6454	4	100	100	Mill Finish
	808373	EH1600 6060 T1	Moulding Windscreen U FIN 19.06 x 10.88	EH1600	5	100	100	Mill Finish
	810996	EH2351 6060 T1	Table Edge 20.62 x 6.73 RAD	EH2351	4	100	100	Mill Finish
	810998	EH2919 6060 T5	Wallboard edge 21.29 x 8 5.5 GAP	EH2919	5.01	100	100	Mill Finish
	808744	EH2989 6060 T1	Crescent Mould 38.1 x 4.75 RAD	EH2989	4	100	100	Mill Finish
	808326	ET2894 6060 T5	H- Trim 381 x 12.7 Gap	ET2894	4	140	140	Mill Finish
	808386	E00161 6060 T1	Fluted bar 38.1 x 4	E00161	4	100	100	Mill Finish

Moulds and Trims continued

Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	810985	EG6459 6060 T1	Fluted Strip	EG6459	4	106	106	Mill Finish
	838822	E53450 6060 T5	Bus Stair Tread 51 x 35	E53450	4	178	100	Mill Finish
	850203	ET2436 6060 T5	Ticket Strip 31.75	ET2436	3.657	100	100	Mill Finish
	906878	EME31156 6060 T5	Slat Wall 28 x 13.5	EME31156	2.4	136	100	Mill Finish
	811534	EN8354 6060 T5	Display panel trim 28 x 13.7	EN8354	2.4	128	100	Mill Finish
	808734	EE2611 6060 T5	Bull Nose Stair Tread 46.02 x 15.06	EE2611	4	123	123	Mill Finish
	808198	EG2500 6060 T1	Table Edge 29.36 x 5.92	EG2500	4	100	100	Mill Finish

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Qubelok Extrusion



Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	807906	EH4487 (E37863) 6060 T5	Qubelok 25.4 x 25.4 x 1.2 RAD	EH4487	6.5	100	100	Mill Finish
	954282	EH4487 (E37863) 6060 T5	Qubelok 25.4 x 25.4 x 1.2 RAD	EH4487	6.5	100	100	15um Clear - T25 Black
	861601	EH4487 (E37863) 6060 T5	Qubelok 25.4 x 25.4 x 1.2 RAD	EH4487	6.5	100	100	15um Clear
	964027	EH4487 6060 T5	Qubelok 25.4 x 25.4 x 1.2 RAD	EH4487	6.5	100	100	Black Satin A
	861948	EH4487 (E37863) 6060 T5	Qubelok 25.4 x 25.4 x 1.2 RAD	EH4487	6.5	100	100	Pearl White
	811556	EN9673 6060 T5	Qubelok 25.4 x 25.4 7.5mm receptor	EN9673	6	143	114	Mill Finish
	808021	ET7200 6060 T5	Qubelok 25.4 x 25.4 One leg	ET7200	6.5	114	114	Mill Finish
	954283	ET7200 6060 T5	Qubelok 25.4 x 25.4 One leg	ET7200	6.5	114	114	15um Clear - T25 Black
	861816	ET7200 6060 T5	Qubelok 25.4 x 25.4 One leg	ET7200	6.5	114	114	15um Clear

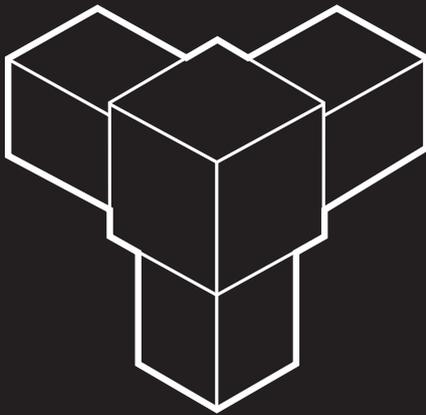


Diagram	Material No.	Material Description	Market Description
	302401	Adjustable foot [F]	N/A
	302303	Adjustable foot [M]	Inserts into MNTC006 (pk=100)
	302198	Endcap 50 square nylon bk	Endcap 50 sq nylon (pk=100)
	300333	Qubelok 2 leg p20 Connector bk	Qubelok 2 leg p20 Connector bk
	300334	Qubelok 3 leg p30 Connector bk	Qubelok 3 leg p30 Connector bk
	300335	Qubelok 3 leg p31 Connector bk	Qubelok 3 leg p31 Connector bk
	300336	Qubelok 4 leg p40 Connector bk	Qubelok 4 leg p40 Connector bk
	300337	Qubelok 4 leg p41 Connector bk	Qubelok 4 leg p41 Connector bk
	300338	Qubelok 5 leg p50 Connector bk	Qubelok 5 leg p50 Connector bk
	300339	Qubelok 6 leg p60 Connector bk	Qubelok 6 leg p60 Connector bk

Qubelok Accessories continued

Diagram	Material No.	Material Description	Market Description
	300341	Qubelok castor p13 colour bk	Qubelok castor p13 colour bk
	300342	Qubelok castor socket p15 bk	Qubelok castor socket p15 bk
	300340	Qubelok endcap 25 sq plas bk	Qubelok endcap 25 sq plas bk

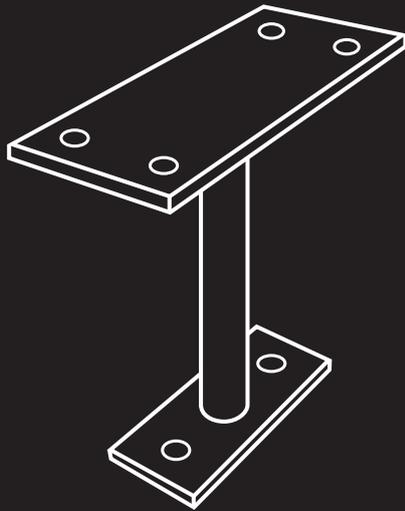
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Seating & accessories

Seating Extrusions

Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	808749	EL2327 6060 T5	Seating Plank	EL2327	6	796	365	15um Clear
	808747	EL2327 6060 T5	Seating Plank	EL2327	4	796	365	15um Clear
	861684	EL2327 6060 T5	Seating Plank	EL2327	2	796	365	15um Clear
	808751	EL2962 6060 T5	Seating Bench - Back Rest	EL2962	6	598	598	15um Clear



Seating Accessories

Diagram	Material No.	Material Description	Market Description	Finish
	300324	Seat Backrest Endcap	Seat Backrest Endcap	Mill Finish
	300322	Seat Plank Cast Endcap	Seat Plank Cast Endcap	Mill Finish
	300326	Seat Supp Type 2A 400mm (No Backrest)	Seat Supp Type 2A 400mm (Nobackrest)	Mill Finish
	307831	Seat Supp Type 2D 500mm (No Backrest)	Seat Supp Type 2D 500mm (No Backrest)	Mill Finish
	300327	Seat Supp Type 4A 400mm Inc Seat Std (No Backrest)	Seat Supp Type 4A 400mm Inc Seat Std (No Backrest)	Mill Finish
	301621	Seat Supp Type 4B 350mm Inc Seat Primary	Seat Supp Type 4B 350mm Inc Seat Primary	Mill Finish

Seating and accessories continued

Diagram	Material No.	Material Description	Market Description	Finish
	301734	Seat Supp Type 4C 300mm Inc Seat Infant	Seat Supp Type 4C 300mm Inc Seat Infant	Mill Finish
	307832	Seat Supp Type 4D 500mm (No Backrest)	Seat Supp Type 4D 500mm (No Backrest)	Mill Finish
	307834	Seat Supp Type 6D 500mm Inc seat (Backrest)	Seat Supp Type 6D 500mm Inc seat (Backrest)	Mill Finish
	300328	Seat Support Type 5A 400mm (Backrest)	Seat Support Type 5A 400mm (Backrest)	Mill Finish
	300329	Seat Support Type 6A 400mm (Backrest)	Seat Support Type 6A 400mm (Backrest)	Mill Finish
	300330	Seat Support Type 7A 400 (No Backrest)	Seat Support Type 7A 400 (No Backrest)	Mill Finish

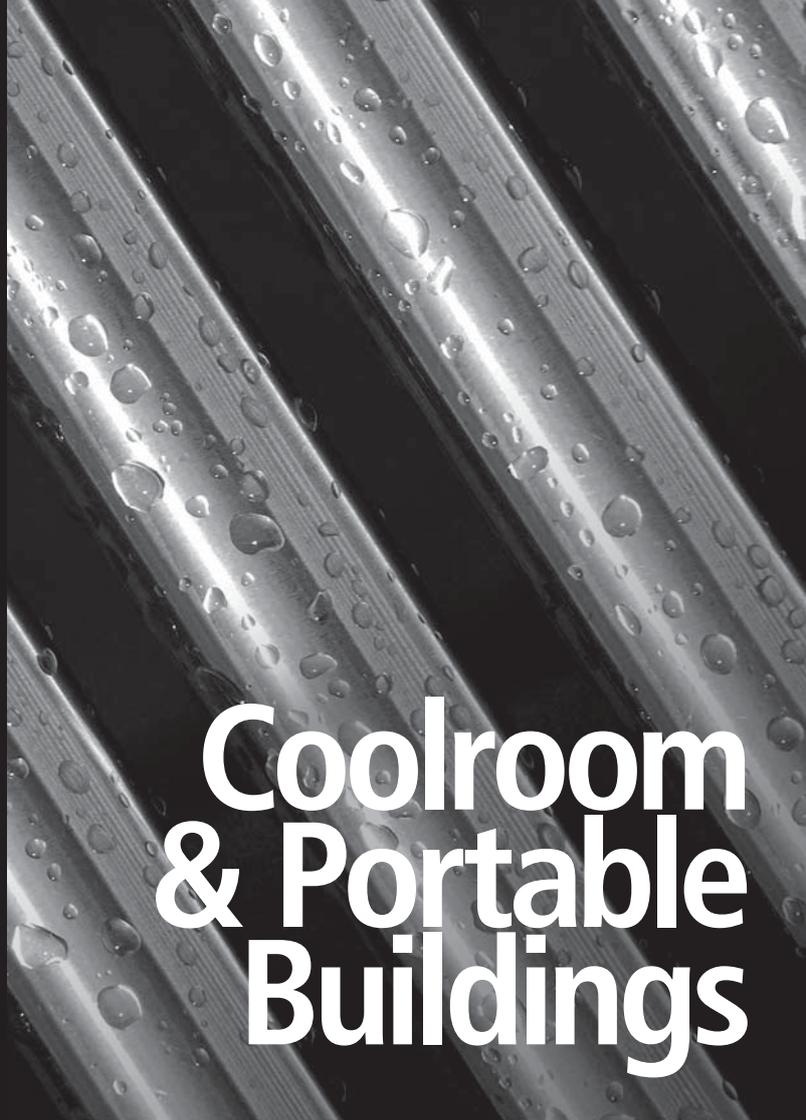
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Scaffold Plank



Diagram	Material No	Material Description	Market Description	Die No	L m	AP	PP	Finish
	300331	Scaffold Plank 6106 T6	Scaffold Plank 6m MF	-	6	-	-	Mill Finish
	300683	Scaffold Plank 6106 T6	Scaffold Plank 5m MF	-	5	-	-	Mill Finish
	301224	Scaffold Plank 6106 T6	Scaffold Plank 4m MF	-	4	-	-	Mill Finish
	301299	Scaffold Plank 6106 T6	Scaffold Plank 3m MF	-	3	-	-	Mill Finish
	300332	Scaffold Plank End Capral	Scaffold Plank End Std Finish	-	-	-	-	Std Finish

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Coolroom & Portable Buildings

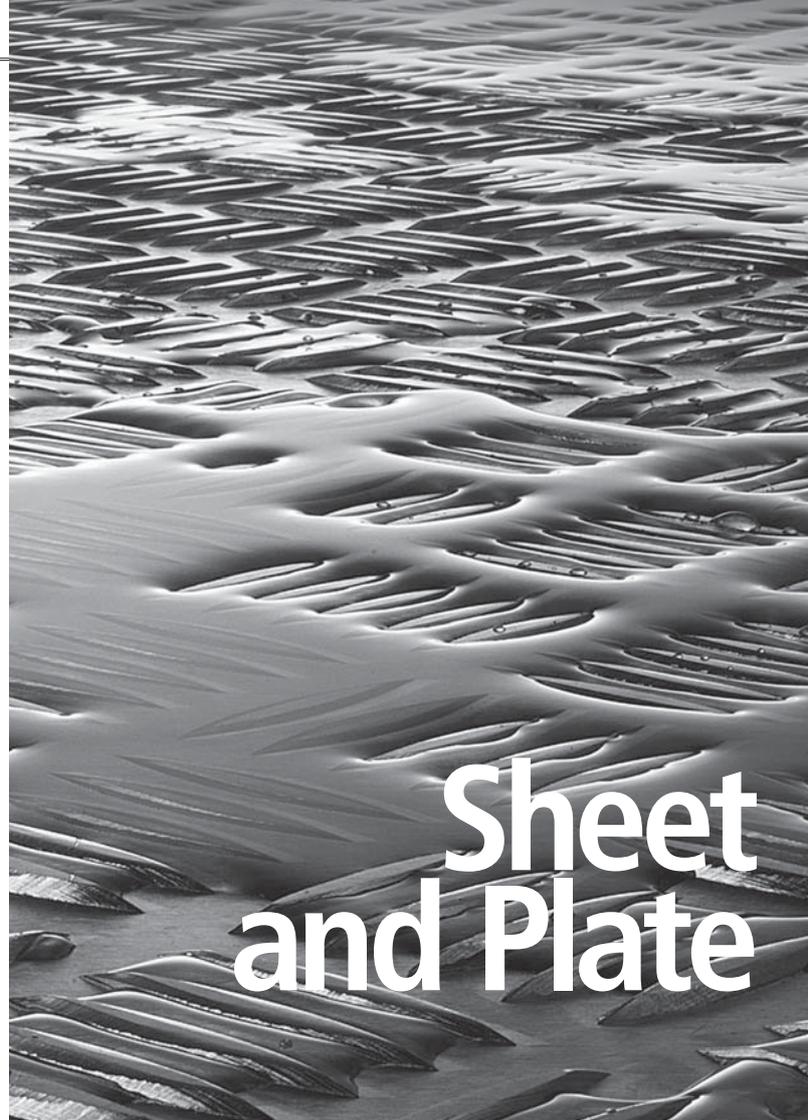
Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	909280	EAL12220 6060 T5	Coolroom Coving 50mm	EAL12220	6.5	183	100	Mill Finish
	909284	EAL12290 6060 T5	Coolroom Doorjamb 54 x 31	EAL12290	6.5	204	117	Mill Finish
	908451	EAL12443 6060 T5	Coolroom Track 90 x 56	EAL12443	6.5	303	303	Mill Finish
	909278	EAL12509 6060 T5	Coolroom Corner Profile	EAL12509	6.5	468	133	Mill Finish
	813605	EH7644 (E00229) 6060 T5	Rope Track 28.17 x 12.53	EH7644	6.5	100	100	Mill Finish
	809104	E14698 6060 T5	Wallboard H Section 34.5 x 9	E14698	6.5	138	100	Mill Finish
	809252	E18699 6060 T5	Coolroom Coving 50 x 50	E18699	6.5	204	102	Mill Finish
	809875	E30278 6060 T5	Rope Track 2 Throat 27.5 x 12.2	E30278	6	129	100	Mill Finish
	813265	EQ3076 6060 T5	Channel 80.3 x 38 x 1.5 (Coolroom)	EQ3076	6.5	311	311	Mill Finish
	837902	E36063 6060 T5	Coolroom Top Track 148 x 40	E36063	6.5	469	469	Mill Finish
	813754	EL3317 (E50927) 6060 T5	Rope Track Flange 43.4 x 10	EL3317	6.5	129	100	Mill Finish

Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	808578	E61129 6060 T5	I Beam 54 x 50.8 x 1.6	E61129	6.5	305	305	Mill Finish
	808753	E18340 6060 T5	Coolroom Coving 50 x 50	E18340	6.5	181	100	Mill Finish
	810134	E18529 (E38057) 6060 T5	Coolroom - Channel 55.8 x 30 x 1.5	E18529	6.5	229	121	Mill Finish
	808374	E18530 (E37925) 6060 T5	Coolroom Coving 35 x 35	E18530	6.5	119	119	Mill Finish
	811538	EN8888 6060 T5	Coolroom Door Frame Channel 54 x 30.7	EN8888	6.5	203	113	Mill Finish
	815799	EP5139 6060 T5	Coolroom Channel 156 x 38.5	EP5139	6.5	463	463	Mill Finish
	807999	EQ3077 6060 T5	Coolroom Channel 105 x 38 x 1.5	EQ3077	6.5	360	100	Mill Finish
	815937	EQ4034 6060 T5	Coolroom Corner Mould 35 x 35	EQ4034	6.5	121	100	Mill Finish
	848422	EQ4712 6106 T6	Coolroom Door Track 71.5 x 30	EQ4712	6.5	285	285	Mill Finish
	850221	ET4833 (AI3260) 6060 T5	Channel 168.27 x 25.4 RAD	ET4833	6.5	429	429	Mill Finish
	809882	ET4837 (AI3261) 6060 T5	Channel 92.07 x 25.4	ET4837	6.5	277	277	Mill Finish

Coolroom & Portable Buildings continued

Diagram	Material No.	Material Description	Market Description	Die No	L m	AP	PP	Finish
	808775	ET7490 6060 T5	Coolroom Arrowhead Trim 50.6 x 25.4	ET7490	6.5	143	100	Mill Finish
	812286	EU6648 6060 T5	Coolroom Coving 75 x 75	EU6648	6.5	271	133	Mill Finish
	813363	EU7481 6060 T5	Coolroom Angle 40 x 40 x 1.5	EU7481	6.5	160	160	Mill Finish
	808571	E51877 6060 T5	Channel 78.2 x 38 x 1.6	E51877	6.5	304	155	Mill Finish
	809560	E20825 6060 T	Coolroom Channel 53.4 x 25 x 1.2	E20825	6.5	203	203	Mill Finish
	810376	E51852	Coolroom Channel 103.2 x 38 x 1.6 RAD	E51852	6.5	354	181	Mill Finish

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Sheet and Plate

Sheet/Plate 5005

Material No	Material Description	Finish	Sap Colour Code
100037	0.60 1200 2400 MF 5005 H34	Mill Finish	NON
100341	0.80 1200 2400 MF 5005 H34	Mill Finish	NON
100755	1.00 1200 2400 MF 5005 H34	Mill Finish	NON
100058	1.00 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
105071	1.00 1200 3600 MF 5005 H34 (MPC)	Mill Finish PVC Coated	NON
100059	1.20 1200 2400 MF 5005 H34	Mill Finish	NON
100060	1.20 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
100083	1.60 1200 2400 MF 5005 H34	Mill Finish	NON
100085	1.60 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
100818	1.60 1200 3600 MF 5005 H34	Mill Finish	NON
100115	2.00 1200 2400 MF 5005 H34	Mill Finish	NON
100117	2.00 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
100293	2.00 1200 3000 MF 5005 H34	Mill Finish	NON
100831	2.00 1500 3600 MF 5005 H34	Mill Finish	NON
100121	2.50 1200 2400 MF 5005 H34	Mill Finish	NON
100122	2.50 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
104973	2.50 1500 3000 MF 5005 H34	Mill Finish	NON
100129	3.00 1200 2400 MF 5005 H34	Mill Finish	NON
100131	3.00 1200 2400 MF 5005 H34 (MPC)	Mill Finish PVC Coated	MPC
100853	3.00 1200 3000 MF 5005 H34	Mill Finish	NON
100854	3.00 1200 3600 MF 5005 H34	Mill Finish	NON
102631	3.00 1500 3000 MF 5005 H34	Mill Finish	NON
100288	3.00 1500 3600 MF 5005 H34	Mill Finish	NON
100346	4.00 1200 2400 MF 5005 H34	Mill Finish	NON
100159	5.00 1200 2400 MF 5005 H34	Mill Finish	NON
100176	6.00 1200 2400 MF 5005 H34	Mill Finish	NON

Sheet/Plate 5251/5052

Material No	Material Description	Finish	Sap Colour Code
100084	1.60 1200 2400 MF 5251 H34/5052 H32	Mill Finish	NON
100116	2.00 1200 2400 MF 5251 H34/5052 H32	Mill Finish	NON
100836	2.50 1200 2400 MF 5251 H34/5052 H32	Mill Finish	NON
100125	2.50 1500 3000 MF 5251 H34/5052 H32	Mill Finish	NON
100130	3.00 1200 2400 MF 5251 H34/5052 H32	Mill Finish	NON
100134	3.00 1200 6000 MF 5251 H34/5052 H32	Mill Finish	NON
104402	3.00 1500 3000 MPC 5251 H34/5052 H32	PVC coated	NON

Sheet/Plate 5083

Material No	Material Description	Finish	Sap Colour Code
105691	3.00 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
105705	4.00 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
105712	5.00 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
100175	6.00 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
100189	8.00 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
100198	10.0 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
100205	12.0 1200 2400 MF 5083 H116 DNV	Mill Finish DNV Certified	NON
104061	16.0 1200 2400 MF 5083 H112	Mill Finish	NON
100223	20.0 1200 2400 MF 5083 H112	Mill Finish	NON
100904	25.0 1200 2400 MF 5083 H112	Mill Finish	NON
100909	32.0 1200 2400 MF 5083 H112	Mill Finish	NON
101875	40.0 1200 2400 MF 5083 H112	Mill Finish	NON
101094	50.0 1200 2400 MF 5083 H112	Mill Finish	NON
100932	65.0 1200 1200 MF 5083 H112	Mill Finish	NON
100942	80.0 1200 1200 MF 5083 H112	Mill Finish	NON
100946	100.0 1200 1200 MF 5083 H112	Mill Finish	NON

Sheets Plates and Panels continued

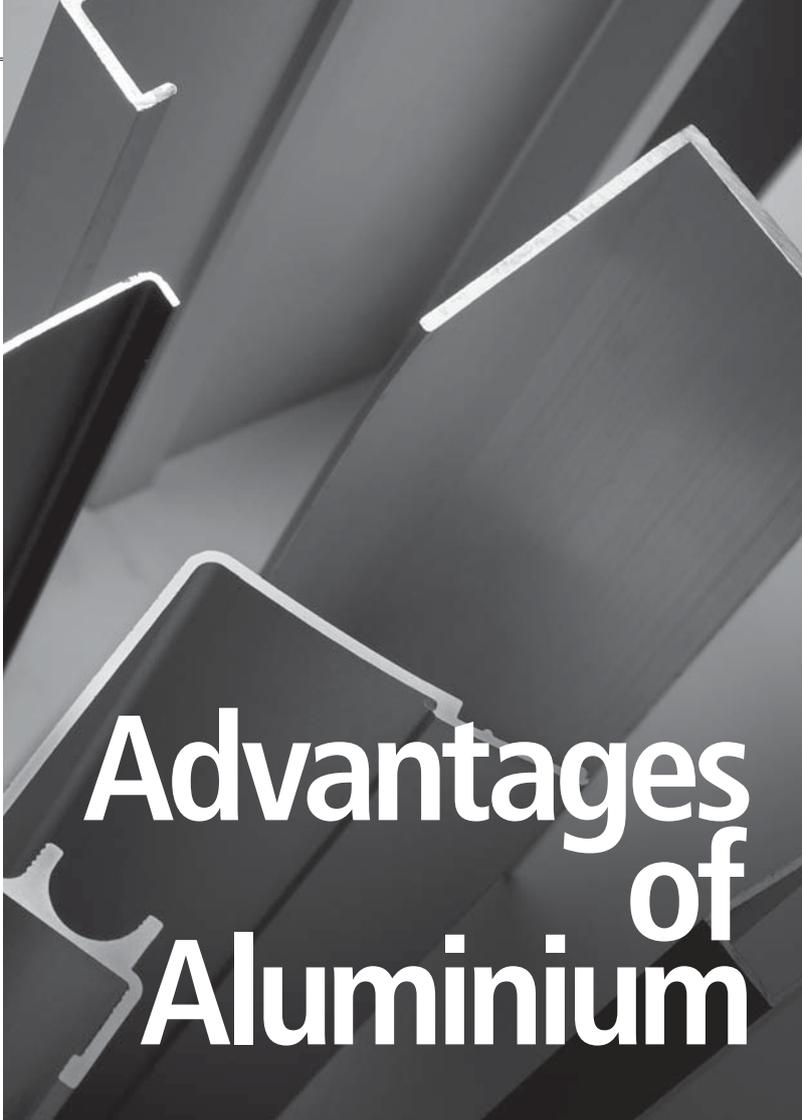
Treadplate 5-Bar

Material No	Material Description	Market Description	Sap Colour Code
100086	1.60 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100828	2.00 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
103500	2.00 1500 3000 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100123	2.50 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
104982	2.50 1500 3000 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100132	3.00 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
103422	3.00 1500 3000 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100864	4.00 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100160	5.00 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL
100177	6.00 1200 2400 TPL 5251/5052 0 5-BAR	Treadplate 5-Bar MF	TPL

Treadplate Propellor Bright Finish

Material No	Material Description	Market Description	Sap Colour Code
100096	1.60 1219 2438 TPL 3003 H22 (PP1)	Bright Finish Propellor Pattern	PP1
104434	2.00 1219 2438 TPL 3003 H22 (PP1)	Bright Finish Propellor Pattern	PP1
100138	3.00 1219 2438 TPL 3003 H22 (PP1)	Bright Finish Propellor Pattern	PP1
104187	4.76 1219 2438 TPL 3003 H22 (PP1)	Bright Finish Propellor Pattern	PP1

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Advantages of Aluminium

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



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.



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.



Others

Easy to recycle

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

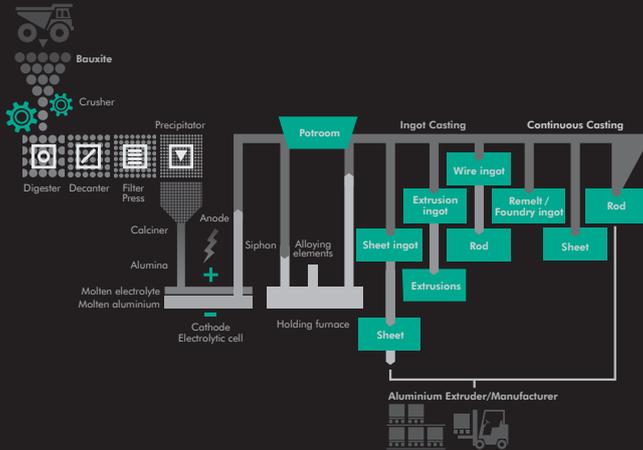
Shock absorbing

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.

Aluminium Mining and Production



Manufacturing and Value Add techniques

Focused on the requirements of our customers, a significant investment has been made in processing and fabrication facilities, including nine extrusion presses and Australia's largest extrusion press; 4400MT SMS Extrusion Press (yr2003), with interchangeable 9"/12" container.

Fabrication facilities include:

- Automatic fine tolerance cut to length saw
- 4 AXIS CNC machining product centre up to h=170mm, w=400mm, l=14000mm
- 3 AXIS CNC machining product centre h=180mm, w=200mm, l=7000mm
- CNC extrusion and plate router h=200mm, w=2500mm, l=12,500mm, maximum cut depth = 30mm
- Drawn products: Precision ovality, work hardened tubing, outer diameter 40mm to 130mm, wall thickness 1.8mm - 10mm
- Knurling: Application of non-slip surface to extrusions
- Product edge de-burring.

These fabrication capabilities allow us to supply material closer to a final form, providing the option of variable sizes and finishes previously unavailable and creating a real opportunity for a one-stop-shop.

Finishing Capabilities

A range of finishing options ensures your extrusions can be easily matched to your project. Powder coatings, supplied by Interpon Powder Coatings, are available in an extensive range of colours, gloss levels, textures and metallic shades for complete colour freedom. Interpon's entire architectural range qualifies for several Green Star credits ensuring a sustainable finish for your project, with durability for up to 7, 10 and 15 years on colour and film integrity. For details and to view the full colour range options, visit www.interpon.com.au

Anodising treatment can provide excellent corrosion resistance and a wide range of colour options up to 25µm. Such finishes are widely used for both interior and exterior applications including the architects choice SatinEtch™ technology which produces a matt finish with reduced die lines.

Production Process

Aluminium is a silver-white metal obtained from bauxite, a rock composed of more than 50% aluminium hydroxides formed by weathering in tropical regions. Aluminium is the earth's third most abundant element (after oxygen and silicon) and the most abundant metal in the earth's crust (8% by mass).

Aluminium bearing compounds have been used by man from the earliest times. Pottery was made from clays rich in hydrated silicate of aluminium and at one point in history aluminium was so valuable that rulers and the wealthy preferred cutlery made by aluminium instead of gold. Today more aluminium is produced each year than all other nonferrous metals combined. The production of aluminium goes via two different routes: primary aluminium production from ore and recycling aluminium from process scrap and used aluminium products.

Aluminium - The 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.

Old scrap, such as that from beverage cans, building and transport is gathered and recycled via an efficient network of scrap metal merchants which sort and separate it from other metals such as iron and steel. This scrap is most usually remelted by secondary refiners into silicon based alloys used predominantly for aluminium castings.

In Europe, recycling rates of aluminium cans can reach up to 63% whilst rates from buildings and transport are higher again and 85% & 95% respectively.

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.

National Manufacturing Footprint

Capral's national manufacturing footprint means that our extrusions, where practicable are produced close to where they are required. This helps minimise the impact of sea and road freight, reducing carbon dioxide emissions.

Australian Supply Chain

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 requires manufacturing processes and materials to be traced back to their source.

Extensive Distribution Network

Capral's products are transported in bulk loads to regional distribution centres that are within close proximity of our fabricators. The consolidation of fabricator deliveries where practicable also helps minimise the impact of road freight, further reducing carbon dioxide emissions.

Coatings and Finishes

Capral uses and recommends Interpon powder coatings which contain no organic solvents or heavy metal pigments such as lead. With 7, 10, or 15 year global warranty options for colour and film integrity, Interpon finishes offer high performance and reduced maintenance.

In addition to traditional anodised finishes Capral also offers a new Satin Etch™ technology that provides an aesthetically pleasing finish whilst using less energy and significantly reducing waste by-products.

Care and Maintenance

Frequency of cleaning is largely dependant 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.

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.

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.

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.

Conditions of Sale

1. General

- (a) Any order for the purchase of goods placed by a purchaser (order) will incorporate these Conditions of Sale (Conditions) and any conditions contained in a purchaser's order are excluded, unless expressly agreed to in writing by Capral Limited (Company).
- (b) The Company reserves the right to vary these Conditions at any time by written notice.
- (c) In these Conditions, contract means a purchaser's order when accepted by the Company, these Conditions, any other part of this document and any other terms and conditions agreed in writing by the Company and purchaser; goods means the goods that the Company proposes to sell or has sold to a purchaser, being (where relevant) the goods described on the other part of this document, and a reference to goods includes services; GST means goods and services tax; purchaser means the person buying goods from the Company; and toolage means any dies, tools and other equipment which the Company manufactures or obtains in order to produce the goods and includes all intellectual property in or relating to the goods.
- (d) The contract constitutes the entire agreement between the parties as to its subject matter and may only be amended in writing signed by both parties.
- (e) If there is any inconsistency between any of the terms of a contract, the order of priority for the purpose of construction is:
 - (i) any other terms and conditions agreed in writing by the Company;
 - (ii) these Conditions;
 - (iii) any other part of this document;
 - (iv) the purchaser's order.
- (f) The purchaser acknowledges that it has read and accepts these Conditions are fair and reasonable, except to the extent otherwise agreed in writing by the parties.

2. Prices and Quotations

- Unless the Company otherwise agrees in writing:
- (a) Prices quoted are based on the Company's estimated cost of production, manufacture or supply at the time of quotation and may be altered without notice to the purchaser if there is any increase in the Company's costs between the date of quotation and the date of acceptance of the order.
 - (b) All goods will be charged in accordance with the Company's prices at the date of acceptance of the order (plus any applicable GST) that are applicable for the relevant delivery date, which must be paid to the Company by the purchaser when payment for the goods is due.
 - (c) Prices will be rounded to the nearest whole cent in the Company's invoices.
 - (d) In the case of orders for goods on the basis of the number of pieces, the Company may apply a nominal weight (kg) to those goods to determine the price of the goods. On request by the purchaser, the Company will disclose

such nominal weight. The weight shown on packaging is for shipping purposes only and should not be taken as the weight of those goods.

- (e) In the case of orders by the purchaser made on the basis of weight (kg), the Company may:
- (i) calculate the number of pieces of the goods to be supplied by reference to the nominal weight of the goods; and
 - (ii) calculate the price by reference to the nominal weight of the goods to be supplied; and
 - (iii) supply and invoice the goods by reference to the nominal weight, rather than the actual weight, of the goods.
- (f) Shipping tolerances apply that may result in goods being over or under the quantity ordered.

3. Payment

- (a) Payment must be made without deduction by the last working day of the month after the month of invoice, unless otherwise noted on the other part of this document or agreed in writing by the Company.
- (b) The Company reserves the right to vary the terms of payment and to require payment in full prior to delivery if, at any time, the credit worthiness of the purchaser is, in the Company's opinion, unsatisfactory. If the purchaser has not paid the Company in full by the due date, the Company may, at its option, rescind the contract and resell or dispose of the goods without prejudice to any claims for damages against the purchaser.
- (c) Fees apply for payment by credit card for account customers.

4. Delivery

- (a) Unless otherwise agreed in writing by the Company, all costs of delivery will be for the purchaser's account.
- (b) Any date for delivery of the goods or completion of the services shown on the other part of this document or otherwise indicated by the Company whether before or after or at the same time as the contract is made, is an estimated date for delivery only. The Company will not be liable for any loss or damage, however it arises, if the goods are not delivered or the services are not completed by that date.
- (c) Without limiting clause 4(b), the Company is not liable for any delay in delivery for any reason including, without limitation:
- (i) act of God, lightning, fire, flood, explosion;
 - (ii) strike, lock-out or other labour difficulty;
 - (iii) breakage, accident or other damage to or failure of machinery or equipment;
 - (iv) unavailability or shortage of raw materials, labour, power supplies or transport facilities; or
 - (v) failure or inability to obtain licences or the effect of any applicable laws, orders, rules or regulations of any government or competent authority.

- (d) If the Company determines that it is or maybe unable to deliver within a reasonable time or at all the contract may be cancelled by the Company. If the contract is cancelled, the purchaser will have no claim against the Company for any damage, loss, cost or expense.

5. Instalments

The Company reserves the right to deliver the goods by instalments and each instalment will be taken to be sold under a separate contract. Failure of the Company to deliver any instalment will not entitle the purchaser to cancel the balance of the order. If the purchaser defaults in payment for any instalment, the Company may elect to treat the default as a breach of contract relating to each other instalment.

6. Claims for wrongful delivery

Any claim by the purchaser for short or wrongful delivery of the goods must be notified to the Company in writing within 14 days of delivery of the goods. Any claim which the purchaser does not notify within that time (time being of the essence) will be taken to have been absolutely waived.

7. Risk & Property

- (a) Unless otherwise agreed in writing by the Company, the risk of loss of, or damage to, the goods will pass to the purchaser on delivery to the purchaser. If the purchaser collects the goods or arranges for their collection from the Company then delivery will be deemed to occur on collection of the goods from the Company.
- (b) Property in, and ownership of, the goods will not pass from the Company to the purchaser until payment in full of the purchase price of the goods and all other amounts owing to the Company. The purchaser hereby consents to the Company registering its rights under a contract pursuant to the Personal Property Securities Act 2009 (Cth).
- (c) Until property passes to the purchaser:
- (i) the purchaser will hold the goods as fiduciary and bailee for the Company;
 - (ii) the goods must be stored separately and in a manner to enable them to be identified and cross-referenced to particular invoices;
 - (iii) the Company, its employees or agents, are entitled to enter the purchaser's premises between 9.00am and 5.00pm on any business day to inspect the goods;
 - (iv) unless otherwise notified in writing by the Company, the purchaser is authorised to sell the goods in the ordinary course of the purchaser's business; and
 - (v) the proceeds of goods sold by the purchaser are to be held in trust for the Company.
- (d) If the purchaser fails to pay all or any part of the purchaser's total indebtedness to the Company under a contract, the Company may without notice and

without prejudice to any of its other rights and remedies:

- (i) recover and/or re-sell the goods or any of them and may enter upon the purchaser's premises for that purpose; and
- (ii) recover any difference between the sale or scrap value of the goods and the price payable by the Purchaser for the goods.

8. Description

Any description of the goods is given by way of identification only and the use of that description does not constitute a sale by description.

9. Specifications

- (a) Unless otherwise stated on the other part of this document or agreed in writing by the Company, the specification of the goods is in respect of tolerances, weight, quantity, size, dimension, finishes, chemical composition and physical properties as stated in the Company's most recent published product data and/or in any recent applicable drawings issued by the Company, or, if not so specified, subject to tolerances normally regarded as being commercially acceptable.
- (b) All illustrations, drawings and specifications remain the property of the Company and must be treated as confidential by the purchaser (who may not copy, sell, lend or otherwise dispose of or use them without the prior written consent of the Company).

10. Toolage

- (a) If the goods are manufactured from dies, tools or other equipment supplied by the purchaser (purchaser equipment), the Company accepts no responsibility for the shape, measure, capacity, fitness or otherwise, of the purchaser equipment or the suitability of the purchaser equipment for manufacturing the goods and the Company is not liable for any loss or damage, however caused (including negligence of the Company), to the purchaser equipment.
- (b) All toolage remains the property of the Company and the Company is not required to deliver such toolage to the purchaser or part with possession of it. This applies even where the purchaser has contributed to the cost of development and manufacture of the toolage.
- (c) Where the Company has agreed that particular items of toolage will be used exclusively for the manufacture of goods for the purchaser, the Company will not use that toolage to manufacture goods for third parties or sell to third parties products manufactured from that toolage, unless:
 - (i) the purchaser has authorised such use or sale; or
 - (ii) the purchaser has not, for a period of 36 consecutive months, purchased from the Company any goods manufactured from that toolage; or
 - (iii) the purchaser is in default under a contract.
- (d) Where sub-clauses 10(c)(ii) or (c)(iii) apply, the Company may without reference to the purchaser dispose of such toolage or release such toolage for general use.

- (e) Nothing in this clause 10 prevents the Company from supplying any third party with shapes that are identical or similar to those produced from toolage maintained for the purchaser.

11. Intellectual Property

- (a) The purchaser warrants that anything furnished to the Company will not cause the Company to infringe any intellectual property rights in the execution of the purchaser's order. The purchaser indemnifies the Company against any claim, loss, liability, cost and expense that may be incurred by the Company as a result of any infringement or unauthorised use of intellectual property rights arising out of the manufacture or use of the goods.
- (b) The sale and purchase of the goods does not confer on the purchaser any licence or rights under any intellectual property right which is the property of the Company.

12. Implied terms

All conditions and warranties expressed or implied by statute, the common law, equity, trade, custom or usage or otherwise are expressly excluded to the maximum extent permitted by law.

13. Warranty

The Company will repair or replace (at the Company's option) all goods and their components manufactured by it which the Company, in its discretion, determines are defective in materials or workmanship under normal use and service, as soon as reasonably practicable after the date of delivery. The liability of the Company under this Condition is limited to the repair or replacement of defective goods and components. All other costs, including cartage and installation, must be paid by the purchaser. While the goods are in the custody of the Company for investigation or repair they will be at the risk of the purchaser and the Company will not be liable for any damage to the goods. The Company will use its reasonable endeavours to obtain for the purchaser the benefit of any applicable manufacturer's warranty in respect of goods not manufactured by the Company.

14. liability

- To the maximum extent permitted by law, the liability of the Company, howsoever arising under a contract, is limited, at the Company's option, to:
- (c) the replacement or repair of the goods;
 - (d) the supply of equivalent goods; or
 - (e) the cost of replacing or repairing the goods or of acquiring equivalent goods.
- The purchaser agrees to release, hold harmless and indemnify the Company from and against any liability whatsoever and howsoever arising (including, without limitation, from negligence or wilful misconduct on the part of the Company or others) in connection with the sale of goods by the Company.

15. Indirect loss

To the maximum extent permitted by law, the Company is not liable in any way for any indirect or consequential loss including loss of profit, revenue, reputation or opportunity, in contract, tort (including negligence) or otherwise arising in connection with a contract.

16. No limitation on statutory rights

Nothing in clauses 12, 13, 14 or 15 purports to have or has the effect on excluding, limiting or modifying any rights, entitlements or remedies that may be conferred on a purchaser under the Competition and Consumer Act 2011 (Cth) or the Sale of Goods Act 1923 (NSW) to the extent that those rights, entitlements or remedies cannot be excluded or modified by agreement.

17. Cancellation

If the purchaser cancels any order or refuses to accept all or any of the goods in an order other than in circumstances permitted in a contract, the purchaser will be liable for any resulting damage or loss suffered by the Company. If the goods have been or are in the process of being manufactured or produced specifically for the purchaser, the purchaser will pay to the Company as liquidated damages the full contract price of the goods and any costs incurred by the Company (including any GST) less the scrap value of the goods as determined by the Company.

18. Interest

Without prejudice to any other rights or remedies of the Company, if any payment is not made by the due date, the purchaser will pay on demand, without limiting any other rights of the Company, interest at the rate of 2% per year above the standard overdraft rate (for overdrafts under \$100,000) applied by the Company's primary bank at the time, on the outstanding amount, calculated from the due date for payment until payment is made in full.

19. Waiver

Failure by the Company to insist on strict performance of any term, warranty or condition of the contract will not be taken as a waiver of it or any rights the Company may have and no waiver will be taken as a waiver of any subsequent breach of any term, warranty or condition.

20. Subcontracting

The Company reserves the right to sub-contract the production, manufacture or supply of the whole or any part of the goods or any materials or services to be supplied.

21. Notice of Defects

The purchaser must notify the Company immediately of any defect in the goods of which it becomes aware after delivery and will take all reasonable steps to mitigate loss (if any) arising as a consequence of the defect. If the purchaser transforms the goods and sells the transformed goods, the purchaser

undertakes to the Company that it will impose on the acquirer of the transformed goods an obligation to notify immediately the purchaser and the Company of any defect in the transformed goods of which it becomes aware after delivery and to take all reasonable steps to mitigate loss (if any) arising as a consequence of the defect. The Company will not be required to incur additional expense in repairing goods caused by the transformation of goods or the integration of goods with other goods.

22. Notices

Any notice to be given under a contract must be sent by facsimile or prepaid mail to the other party's number or address (as notified by that party from time to time).

23. Governing law and jurisdiction

Contracts are governed by and will be construed in accordance with the laws of New South Wales and the purchaser submits to the non-exclusive jurisdiction of the courts of that State.

24. International Supply Contract

The United Nations Convention on Contract for the International Sale of Goods will not apply to any contract.

25. Confidentiality

The purchaser must keep any contract confidential.



Scan the barcode with
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CAPRAL
ALUMINIUM CENTRE

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