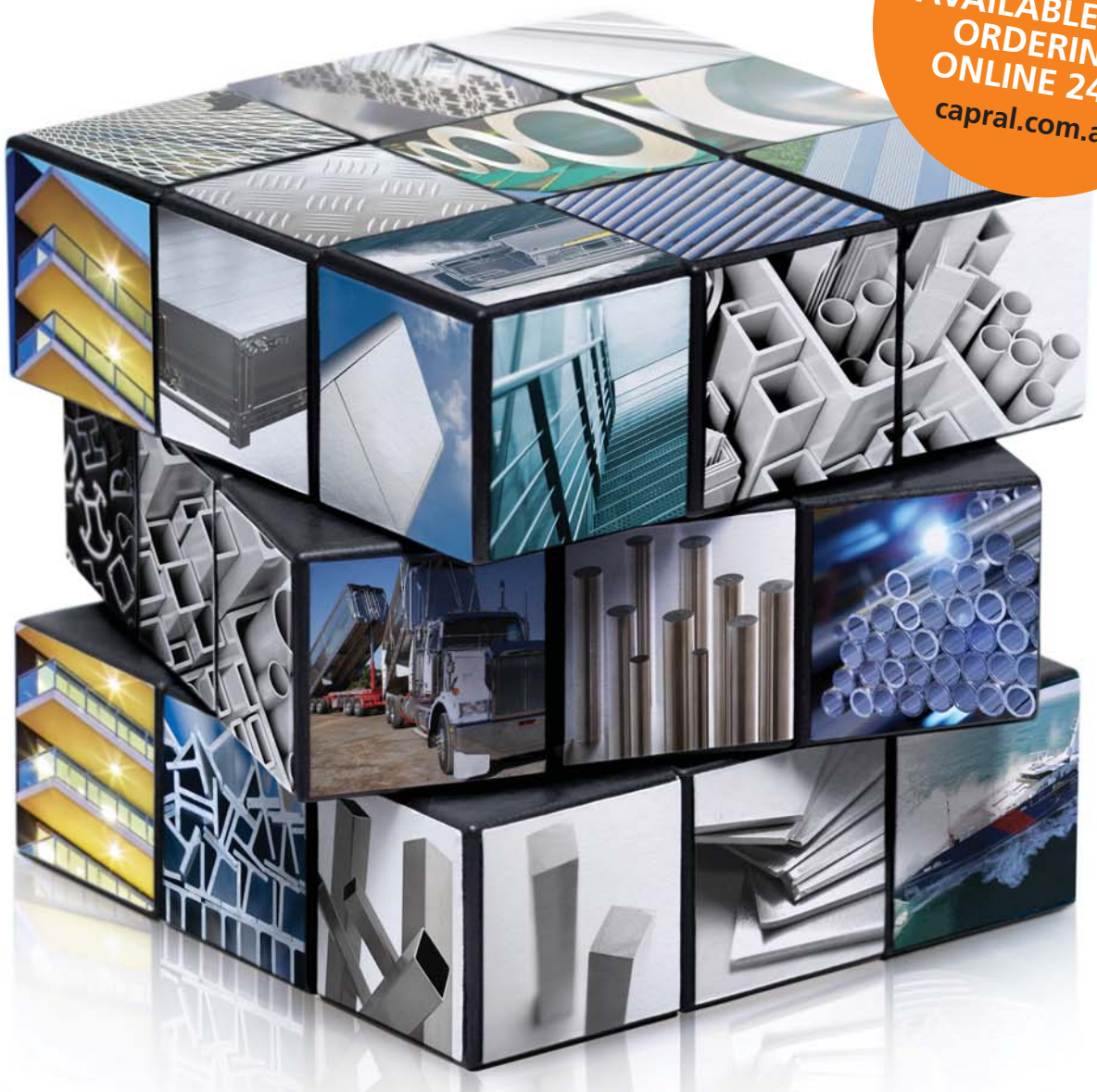
CAPRAL ALUMINIUM

ALUMINIUM PRODUCTS CATALOGUE

STOCKED PRODUCTS BY LOCATION

PRODUCTS AVAILABLE FOR ORDERING ONLINE 24/7

capral.com.au



DELIVERING ALUMINIUM SOLUTIONS

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WHO IS CAPRAL ALUMINIUM AND WHAT DO WE OFFER?

Capral Aluminium is one of Australia's leading providers of aluminium products and associated services. Using our expansive product range and services capability, we work with key customers across a range of industries to deliver the best outcomes.

Our dedicated personnel use their world-class experience and technical capabilities to work closely with your industry. Because we source both domestically and internationally, Capral Aluminium can supply the most suitable materials for the job. We have long-standing relationships with some of the world's leading aluminium mills and stock a comprehensive range of aluminium plate, sheet, mesh and treadplate, as well as standard geometric and customer exclusive extrusions.

As a specialist supplier to the marine, transport, building, resources and signage industries (to name just a few), Capral Aluminium is dedicated to delivering aluminium solutions to our customers.

DELIVERING ALUMINIUM SOLUTIONS

Capral Aluminium prides itself on being able to deliver much more to our customers than just the supply of materials. We are able to offer you an abundance of solutions that alleviate your risk, cost and stress. We benefit from all the technical and commercial backing only a big business like Capral Aluminium can provide.

We can offer:

- Customer specific ranges and development, as well as stock holding
- Consignment stock offers
- Supply chain management and expertise (onshore and offshore)
- Expedited delivery scheduling
- Project support
- Credit and finance management
- Technical support
- Componentry and sub-assemblies
- Fabrication solutions

These are just some of the solutions that take the work out of our customers' hands, allowing them to concentrate on what they do best.

OUR HERITAGE

Established in 1936, Capral Aluminium is now Australia's largest manufacturer, stockholder and distributor of aluminium and other semi-finished non-ferrous products. 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 our 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.

NATIONAL DISTRIBUTION NETWORK

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 including transport, marine, residential and commercial construction and general engineering. Our regional distribution centres support a network of conveniently located trade centres. You'll find Capral Aluminium Centres operating throughout metropolitan and regional Australia, supplying a comprehensive range of aluminium products.

OUR COMMITMENT

Capral Aluminium maintains a significant investment in research and development. We have a committed team of professionals in our Technology Solutions Group and we use NATA accredited testing facilities to support the design and development of sustainable, energy efficient residential and commercial glazing systems.

OUR CAPABILITIES

OUR MANUFACTURING FOOTPRINT

Capral Aluminium is committed to minimising the environmental impact of our activities in a number of important ways: by examining our 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 sea and road freight, reducing carbon dioxide emissions.

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

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 an interchangeable 9"/12" container.

FABRICATION SOLUTIONS

- 7 Axis Robotic Machining Centre for product fabrication up to 17m
- CNC Machining:
  - Four Axis CNC machining centre for products up to 170mm (H), 400mm (W), 14000mm(L);
  - Three AXIS CNC machining centre for products up to 180mm (H), 200mm (W), 7000mm (L);
  - CNC extrusion and plate router for products up to 200mm (H), 2500mm (W), 12,500mm (L), maximum cut depth of 25mm
- Drawn products: Precision ovality, work-hardened tubing, outer diameter 40mm to 130mm, wall thickness 1.8mm to 10mm
- Knurling: Application of non-slip surface to extrusions
- Product edge de-burring
- Drilling: A cutting process that uses a drill bit to cut or enlarge a hole
- Cut Back: An off line saw used to recut the extrusion to less than a standard length
- Compound Cutting
- Slotting and Punching: used to 'punch' a hole, typically in a window or door extrusion
- Weather Pile Installation: Mechanically install weather pile to an extrusion
- Precision Cutting: Cut back to less than standard extrusion tolerances
- Mitre Saw Cut: Saw used to make accurate cross cuts
- Sheet/Plate cutting and bending
- Customer cutting dies
- Cold Drawing
- Complete manufactured pieces
- Flashings: Supplied from sheet and able to be guillotined or bent
- Anodising: Controlled oxidation of the aluminium surface by immersion into a dilute sulphuric acid. The oxide film is an integral part of the aluminium surface and is not an applied coating
- Powdercoating: Paint powder applied electrostatically and then cured under heat to allow it to flow and form a surface coating
- Adhesive tape applied to critical extrusions to protect surface from scratching
- Customer specific packaging.

SPECIAL EXTRUDED PRODUCTS

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

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

A typical route from conception to section:

- Customer product requirement in the form of a rough drawing;
- Design development using 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.

ALUMINIUM LIGHT FABRICATION

With our state-of-the-art machining equipment, we have the capability to supply semi-fabricated and finished rolled and extruded products. Components can be supplied 'just-in-time' to reduce stock inventory, warehouse space as well as manufacturing time.

FINISHING CAPABILITIES

A range of finishing options ensures your extrusions can be easily matched to your project.

Powder coatings supplied by Interpon and Dulux, are available in an extensive range of colours, gloss levels, textures and metallic shades for complete colour freedom. They contain no organic solvents or heavy metal pigments such as lead. The architectural range qualifies for several Green Star credits ensuring a sustainable finish for your project, with durability for up to 7, 10, 15 and 30 years on colour and film integrity.

For further information and to view the full colour range options, visit www.interpon.com.au or www.dulux.com.au

Anodising treatment can provide excellent corrosion resistance and a wide range of colour options up to 25um.

Our anodising line produces a wide range of anodised colours: Conventional Matt Clear Anodising; Electro coloured Bronzes and Black, as well as Capral's new range of 'Interference' colours. Anodising finishes are widely used for both interior and exterior applications.

PLANT CAPABILITIES

FACILITIES	LOG DIAMETER	ALLOYS USED			TABLE WEIGHT (kg/m)		CIRCUMSCRIBING CIRCLE DIAMETER (mm)	
		Soft / Semi Structural	Hard / Structural	Extruded Finishes	Customer Length Range Saw (m)	Min Section Weight (kg/m)	Solid	Hollow
CANNING VALE 7" PRESS	178mm	6060 6063 6106		Architectural, Structural	1.8 – 7.2	0.15	160	120
ANGASTON 8" PRESS	203mm	6005A 6060 6063 6106		Architectural, Structural	3.0 - 7.0 Mill 3.7 – 6.5 Paint	0.2	290w x 160h	200
CAMPBELLFIELD 9" PRESS	228 mm	6060 6106 6351	6005A 6061 6082	Architectural, Structural	2.5 –17 Longer/shorter lengths - refer to mill	0.275	420w x 60h	380w x 90h
CAMPBELLFIELD 12" PRESS	304 mm	6060 6063 6101 6351	6005A 6061 6082	Architectural, Structural	2.5 –17 Longer/shorter lengths - refer to mill	0.7	420w x 60h	380w x 90h
PENRITH 8" PRESS	203 mm	1350 6060 6063 6106	6005A	Architectural, Structural	3.0 –9.0 Shorter lengths - refer to mill	0.2	190w x 40h	160w x 40h
BREMER - B1 8" PRESS	203 mm	6060	–	Architectural, Structural	3.0 – 7.5 Shorter lengths - refer to mill	0.2	190	180
BREMER - B2 7" PRESS	178mm	6060	–	Architectural, Structural	3.0 – 7.5 Shorter lengths - refer to mill	0.15	165	150
BREMER - B3 7" PRESS	178mm	6060 6063 6106	–	Architectural, Structural	3.0 – 7.5 Shorter lengths - refer to mill	0.15	165	150
BREMER - B4 8" PRESS	203 mm	6060 6063 6106	–	Architectural, Structural	3.0 – 7.5 Shorter lengths - refer to mill	0.35	250	180

OUR CAPABILITIES

CNC ROUTER

Capral Aluminium has addressed the ongoing demands of both designers and manufacturers, making further investments to meet the future demands of many similar businesses. Newly-installed CNC Router machines for both extruded and flat rolled products, complement Capral Aluminium's core investments in state-of-the-art industrial presses and world-class extrusion and finishing facilities.

Components can be supplied individually or in kit form as JIT, to reduce stock inventory, warehouse space and manufacturing time. Accurate nesting of components can also reduce waste, with potentially costly errors eliminated in the process.

CNC technology is fast replacing traditional manufacturing techniques of templates, band saws, hand routers, drills and hacksaws. This in-house capability further enhances Capral Aluminium's ability to manage customers' total projects from start to finish and deliver projects on time and on budget.

Machine Details:

- Bed Size: (cutting area) 12.5m x 2.5m
- Cutting thicknesses up to 25mm

Drawing Requirements:
Simple shapes can be accommodated or for more complex shapes and drawings:

- All parts should be nested into sheet/plate sizes as per Capral's stock availability
- All parts to be closed polylines (no splines or small entities)
- All parts should be exported in .dxf format
- No entry or exit marks required
- All layers to be associated by colour
- All parts should have 15mm buffers
- Mark lines and text available as pen or scribe.

CNC MACHINING CENTRE

Capral Aluminium has invested in state-of-the-art CNC machining technology to further add value to the aluminium supply solutions for our customers. Located at our extrusion plants in Campbellfield, Victoria and Bremer Park, Queensland, our CNC machines offer the ability to provide semi-finished aluminium extrusions into your business ready for further assembly. This can help you reduce your inventory, workspace and manufacturing time, while reducing waste and eliminating potential costly errors in the process.

CNC machining is suited to rigid profiles that can be clamped without movement. Smaller profiles can be machined depending on their rigidity for clamping. Samples will be required for testing prior to quote.

Drawing Requirements

- 2D .dxf drawing for each profile
- 2D .dxf drawing of each side to be machined.
- Scaled at 1:1
- All lines to be polylined
- All contours must have a radius or a defined diameter
- All dimensions clearly presentable
- Rectangular and triangular cut-outs must include a radius to determine the size of the mill tool.

ACCREDITATION AND CERTIFICATION

All extrusions manufactured by Capral Aluminium 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 14001:2004 – 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.

TECHNICAL SUPPORT

At Capral Aluminium we recognise how important it is to offer both technical support and expertise. Our experience allows us to offer both pre- and post-sales technical support, which makes us the supplier of choice for many of Australia's largest manufacturers.

Our experienced staff participate in rigorous training and in-field experience. They are backed by in-house metallurgists and the full functional support that only a large company like Capral Aluminium is able to offer.

So, if you have a technical question, or would like to explore what could be a more suitable solution for your requirements, contact us on 1300 361 877 or visit www.capral.com.au for your nearest branch.

CONDITIONS OF SALE

To download Capral Aluminium's current Conditions of Sale please visit our website at www.capral.com.au/Terms-of-Trade

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Want to know more about how Capral Aluminium can help your business? Visit us online at www.capral.com.au or ask at your nearest Capral office.

ROLLED PRODUCTS

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EXTRUDED PRODUCTS

ALLOY SPECIFICATIONS

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
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

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

EXTRUDED AND ROLLED PRODUCTS

CHEMICAL COMPOSITION LIMITS

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

EXTRUDED

ALLOY	TEMPER	THICKNESS	TENSILE	YIELD	ELONGATION
1350	F H111	Not specified All	60	25	
2011	T6	≤25	350	220	8
6005A	T4 T5 T6	≤12 ≤12 ≤12	180 260 285	110 240 260	14 8 8
6060	T1 T4 T5 T591 T595	≤12 ≤12 ≤12 ≤12 ≤12	115 125 150 150-205 170-220	60 70 110 95-140 130-160	12 12 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

EXTRUDED		MACHINING	FORMING	GAS & INERT GAS WELDING	CORROSION RESISTANCE	ANODISING
ALLOY	TEMPER	D C B A	D C B A	D C B A	D C B A	D C B A
1350	H111					
2011	T6					NR
6005A	T4					
	T5					
6060	T5					
	T591					
	T595					
6061	T4					
	T5					
	T6					
6063	T5					
6082	T5					
	T6					
6101	T5					NR
	T6					NR
6106	T4					
	T5					
	T6					
6351	T4					
	T5					
	T6					

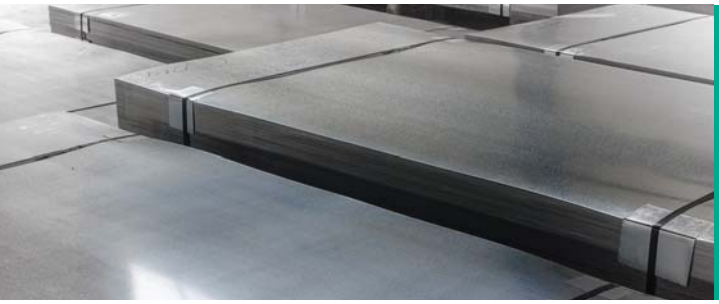
ROLLED ALLOY/TEMPER

SHEET & PLATE		MACHINING	FORMING	GAS WELDING*	CORROSION RESISTANCE	ANODISING
ALLOY	TEMPER	D C B A	D C B A	D C B A	D C B A	D C B A
3003	H16					
5005	H34					
5052	O					
	H114					
	H32					
5083	H116					
5251	H34					
5454	H112					

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

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

SHEET 5005



MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
100037	5005	H34	0.6	1200	2400	Mill Finish	4.664	■		■	■	■	■	■	
100341	5005	H34	0.8	1200	2400	Mill Finish	6.219	■		■	■	■	■	■	
105631	3004	H32	0.8	1219	2489	Painted PVC Coated Violet Tone/Gl Grey	6.604	■		■					
100748	5005	H34	1	900	1800	Mill Finish	4.373	■							
100755	5005	H34	1	1200	2400	Mill Finish	7.776	■	■	■	■	■			■
100058	5005	H34	1	1200	2400	Mill Finish PVC Coated	7.816	■	■	■		■	■	■	
100766	5005	H34	1.2	900	1800	Mill Finish	5.247		■						
100775	5005	H34	1.2	1200	1800	Mill Finish 5005 H34	6.998		■						
105801	5005	H32	1.2	1200	2000	Mill Finish Stucco	7.774	■							
100059	5005	H34	1.2	1200	2400	Mill Finish	9.328	■	■	■	■	■	■		■
100060	5005	H34	1.2	1200	2400	Mill Finish PVC Coated	9.328	■	■	■		■	■	■	
105802	5005	H32	1.2	1200	2400	Mill Finish Stucco Small Embossed	9.328	■							
100786	5005	H34	1.2	1200	3000	Mill Finish	11.655	■		■					
103581	5005	H34	1.2	1200	3000	Mill Finish PVC Coated	11.655						■		
103582	5005	H34	1.2	1200	3600	Mill Finish PVC Coated	13.992						■		
105643	5005	H34	1.2	1500	3000	Mill Finish PVC Coated	14.575	■							
100071	5005	H34	1.6	900	1800	Mill Finish	6.996	■							
100809	5005	H34	1.6	1200	1800	Mill Finish	9.328						■		
100083	5005	H34	1.6	1200	2400	Mill Finish	12.438	■	■	■	■		■		■
100085	5005	H34	1.6	1200	2400	Mill Finish PVC Coated	12.438	■	■	■		■	■	■	
104971	5005	H34	1.6	1200	2400	20um Clear 1 Side	12.438	■		■					
100949	5005	H34	1.6	1200	3000	Mill Finish	15.547			■					
100818	5005	H34	1.6	1200	3600	Mill Finish	18.657	■		■				■	
105667	5005	H34	1.6	1500	3000	Mill Finish	19.434			■					
100822	5005	H34	1.6	1500	3600	Mill Finish	23.328			■					
105671	5005	H34	2	1200	1800	Mill Finish	11.66			■					
106034	5005	H34	2	1200	1800	Mill Finish PVC	11.66		■						
100115	5005	H34	2	1200	2400	Mill Finish	15.547	■	■	■			■		■
100117	5005	H34	2	1200	2400	Mill Finish PVC Coated 50um	15.547	■	■	■		■	■	■	
100293	5005	H34	2	1200	3000	Mill Finish	19.434	■		■			■		■

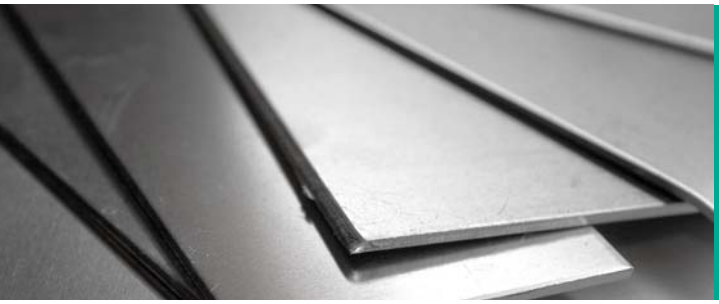
Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

SHEET 5005

MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
103622	5005	H34	2	1200	3000	Mill Finish PVC Coated	19.434						■		
103623	5005	H34	2	1200	3600	Mill Finish PVC Coated	23.321	■					■		
105675	5005	H34	2	1500	2400	Mill Finish	19.434						■		
105676	5005	H34	2	1500	3000	Mill Finish	24.291	■		■					
100831	5005	H34	2	1500	3600	Mill Finish	29.155	■	■	■					
100833	5005	H34	2.5	900	1800	Mill Finish	10.929		■						
106036	5005	H34	2.5	1200	1800	Mill Finish PVC Coated	14.576		■						
100121	5005	H34	2.5	1200	2400	Mill Finish	19.434	■	■	■	■		■		■
100122	5005	H34	2.5	1200	2400	Mill Finish PVC Coated	19.434	■	■	■		■	■	■	
105681	5005	H34	2.5	1200	2400	Mill Finish - White PVC 100um	19.434	■							
104688	5005	H34	2.5	1200	3000	Mill Finish	24.39		■				■		
103724	5005	H34	2.5	1500	2400	Mill Finish	24.39						■		
104973	5005	H34	2.5	1500	3000	Mill Finish	30.366			■					
105683	5005	H34	2.5	1500	3600	Mill Finish - White PVC 100um	36.439	■							
100839	5005	H34	3	900	1800	Mill Finish	13.123						■		
105684	5005	H34	3	900	1800	Mill Finish PVC Coated	13.123		■						
100850	5005	H34	3	1200	1800	Mill Finish	17.483			■			■		
100129	5005	H34	3	1200	2400	Mill Finish	23.321	■	■	■		■	■		■
100131	5005	H34	3	1200	2400	Mill Finish PVC Coated	23.321	■	■	■		■	■	■	■
106146	5005	H34	3	1200	2400	Mill Finished No Paper Interleave Pack of 25	23.321		■						
105693	5005	H34	3	1200	2400	Mill Finish PVC Coated 100um	23.321	■							
100853	5005	H34	3	1200	3000	Mill Finish	29.155	■	■	■					
103584	5005	H34	3	1200	3000	Mill Finish PVC Coated	29.155						■		
100854	5005	H34	3	1200	3600	Mill Finish	34.965	■		■					
105696	5005	H34	3	1200	3600	Mill Finish PVC Coated 80um	34.981					■	■		
104482	5005	H34	3	1500	2400	Mill Finish	29.151						■		
105701	5005	H34	3	1500	2400	Mill Finish PVC Coated 100um	29.151	■							
102631	5005	H34	3	1500	3000	Mill Finish	36.315	■	■	■	■	■			
106318	5005	H34	3	1500	3000	Mill Finish PVC Coated	36.315			■					
105773	5005	H34	3	1500	3000	Mill Finish PVC Coated 100um	36.439	■							
100288	5005	H34	3	1500	3600	Mill Finish	43.726	■		■			■		
103474	5005	H34	3	1500	3600	Mill Finish PVC Coated	43.726						■		
105703	5005	H34	3	1500	3600	Mill Finish PVC Coated 100um	43.726	■							
106971	5005	H34	4	1500	3000	Mill Finish Stress Relieved PVC Coated 80um	48.60			■					
100346	5005	H34	4	1200	2400	Mill Finish	31.094	■	■	■		■	■	■	■
100159	5005	H34	5	1200	2400	Mill Finish	38.868	■	■	■		■	■	■	
100176	5005	H34	6	1200	2400	Mill Finish	46.641	■	■	■		■	■	■	

Capral Limited reserves the right to change specifications and stocking locations without notice.

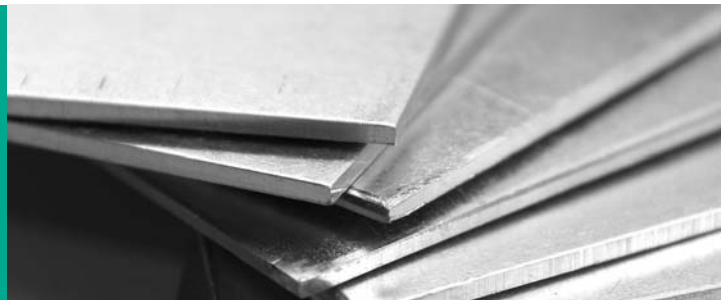
SHEET 5052/5251



MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
106192	5251	H38	1.55	1200	2400	Mill Finished Etched	11.964						■		
106193	5251	H38	1.55	1200	2700	Mill Finish	13.46						■		
106194	5251	H38	1.55	1200	2700	Mill Finished Etched	13.46						■		
105845	5052	H38	1.55	1200	3000	Mill Finish Etched	14.955						■		
106198	5251	H38	1.55	1200	3600	Mill Finished Etched	17.947						■		
100800	5052	H38	1.6	900	1800	Mill Finish	6.949			■					
105847	5052	H38	1.6	900	2400	Mill Finish	9.263			■					
105658	5052	H38	1.6	1200	2400	Mill Finish	12.35			■					
100084	5251	H34	1.6	1200	2400	Mill Finish	12.35			■		■			
102331	5251	H34	1.6	1200	2400	Mill Finish PVC Coated	12.345	■		■					
105846	5052	H38	1.6	750	3000	Mill Finish	9.649			■					
101673	5052	H32	1.6	1200	6000	Mill Finish 5052 H32	30.864			■					
106212	5052	H38	1.95	900	1800	Mill Finished Etched	8.467						■		
106256	5052	H38	1.95	1220	2400	Mill Finished Etched	15.303						■		
106247	5052	H38	1.95	790	3000	Sheet - Mill Finished Etched	12.386						■		
106209	5251	H38	1.95	600	3600	Mill Finished Etched	11.289						■		
105672	5052	H32	2	1200	1800	Mill Finish	11.578	■							
100116	5251	H34	2	1200	2400	Mill Finish	15.438	■		■		■	■		
106294	5251	H34	2	1200	2400	Mill Finish PVC Coated	15.438	■	■	■	■			■	
100829	5251	H34	2	1200	6000	Mill Finish	38.61			■					
105680	5052	H32	2.5	1200	2400	Mill Finish PVC Coated 80um	19.305				■				
100836	5251	H34	2.5	1200	2400	Mill Finish	19.305			■		■			
103532	5251	H34	2.5	1200	2400	Mill Finish PVC Coated	19.297	■	■	■	■				
101677	5251	H34	2.5	1200	6000	Mill Finish	48.243			■					
106312	5251	H34	2.5	1500	2400	Mill Finish	24.122			■					
100125	5251	H34	2.5	1500	3000	Mill Finish	30.152		■						
106295	5251	H34	2.5	1500	3000	Mill Finish PVC Coated	30.152	■		■					■
100130	5251	H34	3	1200	2400	Mill Finish	23.157	■	■	■		■	■		
104507	5251	H34	3	1200	2400	Mill Finish PVC Coated	23.328	■	■	■	■			■	■
104402	5251	H34	3	1500	3000	Mill Finish PVC Coated	36.18	■		■				■	
105702	5052	H32	3	1500	3600	Mill Finish	43.419						■		
100134	5251	H34	3	1200	6000	Mill Finish	57.892			■	■		■		
106296	5251	H34	3	1200	6000	Mill Finish PVC Coated	57.892			■	■				
104151	5251	H34	3	1500	6000	Mill Finish	72.65						■		
105873	5052	H32	4	1200	2400	Mill Finish	30.876			■					
106130	5052	H32	4	1200	2450	Sheet Mill Finish	31.519					■			
105874	5052	H32	4	1200	6100	Mill Finish	78.476			■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

PLATE 5083



MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
105691	5083	H116	3	1200	2400	Mill Finish DNV Certified	22.993	■	■	■		■	■	■	
105698	5083	H116	3	1200	6100	Mill Finish DNV Certified	58.44	■		■			■		
105704	5083	H116	3	1525	6100	Mill Finish DNV Certified	74.268	■		■			■		
105871	5083	H116	3	1830	9000	Mill Finish DNV Certified	131.49						■		
105823	5083	H116	3	2200	9000	Mill Finish DNV Certified	158.08			■			■		
105705	5083	H116	4	1200	2400	Mill Finish DNV Certified	30.657	■	■	■	■	■	■	■	
106110	5083	H116	4	2000	6000	Sheet - Mill Finish DNV	127.74						■		
105706	5083	H116	4	1200	6100	Mill Finish DNV Certified	77.921	■		■			■		
105708	5083	H116	4	1525	6100	Mill Finish DNV Certified	99.024	■		■	■		■		
105710	5083	H116	4	1830	6100	Mill Finish DNV Certified	118.83			■	■				
105711	5083	H116	4	1830	9000	Mill Finish DNV Certified	175.32	■							
105776	5083	H116	4	2200	9000	Mill Finish DNV Certified	210.77	■		■		■	■		
105712	5083	H116	5	1200	2400	Mill Finish DNV Certified	38.322	■	■	■	■	■	■		■
106063	5083	H116	5	2200	3000	Mill Finish DNV Certified	87.82		■						
106242	5083	H116	5	2000	6000	Mill Finish DNV Certified	159.67						■		
105714	5083	H116	5	1200	6100	Mill Finish DNV Certified	97.401	■		■			■		
105728	5083	H116	5	1525	6100	Mill Finish DNV Certified	123.78	■		■	■		■		
105736	5083	H116	5	1830	6100	Mill Finish DNV Certified	148.54	■		■	■				
105737	5083	H116	5	1830	9000	Mill Finish DNV Certified	219.15	■							
105742	5083	H116	5	2200	9000	Mill Finish DNV Certified	263.46	■		■		■	■		
106133	5083	H116	5	1540	11000	Sheet Mill Finish PVC Film White 80um	225.41					■			
106101	5083	H116	5	1830	11000	Mill Finish PVC Coated Transport Spec DNV	267.85			■					
106134	5083	H116	5	1870	11000	Sheet Mill Finish PVC Film White 80um	273.71					■			
105777	5083	H116	5	2200	11000	PVC Coated	322.01			■					
100175	5083	H116	6	1200	2400	Mill Finish DNV Certified	45.986	■	■	■	■	■	■	■	■
106107	5083	H116	6	2000	6000	Sheet - Mill Finish DNV	191.61						■		
106136	5083	H116	6	2100	6000	Sheet Mill Finish	201.19					■			
100877	5083	H116	6	1200	6100	Mill Finish DNV Certified	116.88	■		■			■		
105747	5083	H116	6	1525	6100	Mill Finish DNV Certified	148.54	■		■			■		
101695	5083	H116	6	1830	6100	Mill Finish DNV Certified	178.24	■		■					
100880	5083	H116	6	1830	9000	Mill Finish DNV Certified	262.98	■							
101868	5083	H116	6	2200	9000	Mill Finish DNV Certified	316.15	■		■		■	■		
101867	5083	H116	6	1980	11000	Mill Finish DNV Certified 5083 H116	347.61			■					
100189	5083	H116	8	1200	2400	Mill Finish DNV Certified	61.315	■	■	■	■	■	■	■	■
103593	5083	H116	8	1200	6100	Mill Finish DNV Certified	155.77			■			■		
103902	5083	H116	8	1830	6100	Mill Finish DNV Certified	237.66	■							

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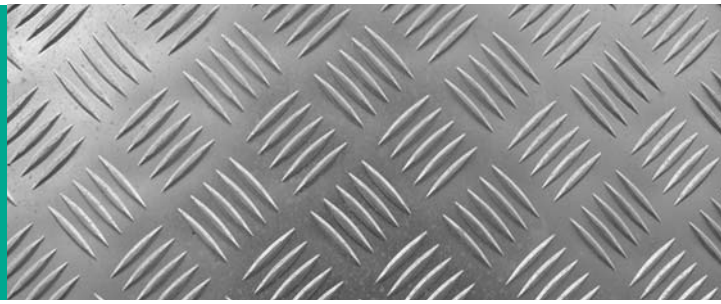
PLATE 5083

MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
101871	5083	H116	8	1830	9000	Mill Finish DNV Certified	350.64						■		
105761	5083	H116	8	2200	9000	Mill Finish DNV Certified	421.53	■		■			■		
100198	5083	H116	10	1200	2400	Mill Finish DNV Certified	76.643	■	■	■	■		■	■	■
105763	5083	H116	10	1200	6100	Mill Finish DNV Certified	194.8	■					■		
102242	5083	H116	10	1830	6100	DNV Certified 5083 H116/321	301.4			■					
105765	5083	H116	10	2200	9000	Mill Finish DNV Certified	526.92			■			■		
100205	5083	H116	12	1200	2400	Mill Finish DNV Certified	91.972	■	■	■	■	■	■	■	■
105056	5083	H116	12	1200	6100	Mill Finish DNV Certified	233.76			■			■		
105941	5083	H116	12	2200	9000	DNV Certified	632.3						■		
104061	5083	H112	16	1200	2400	Mill Finish	122.57	■	■	■	■	■			
100215	5083	H116	16	1200	2400	Mill Finish DNV Certified	122.62	■					■		
105767	5083	H116	16	1200	6100	Mill Finish DNV Certified	311.68			■			■		
106139	5083	H116	16	2200	9000	Sheet Mill Finish DNV Certified	843.07						■		
100223	5083	H112	20	1200	2400	Mill Finish	153.28	■	■	■		■			
100222	5083	H116	20	1200	2400	Mill Finish DNV Certified	153.28	■					■		
105769	5083	H116	20	1200	6100	Mill Finish DNV Certified	389.6			■			■		
106077	5083	H116	20	2000	9000	Mill Finish DNV Certified	958.04						■		
100904	5083	H112	25	1200	2400	Mill Finish	191.61	■	■	■		■			
104522	5083	H116	25	1200	2400	Mill Finish DNV Certified	194.4	■					■		
105770	5083	H116	25	1200	6100	Mill Finish DNV Certified	487			■			■		
100909	5083	H112	32	1200	2400	Mill Finish	245.25	■	■			■			
106592	5083	H116	32	1200	2400	Mill Finish DNV Certified	245.26						■		
105942	5083	H116	32	1200	6100	DNV Certified	623.36						■		
101875	5083	H112	40	1200	2400	Mill Finish	306.57	■	■			■			
106594	5083	H116	40	1200	2400	Mill Finish DNV Certified	306.57						■		
106140	5083	H116	40	1200	6100	Sheet Mill Finish DNV Certified	779.21						■		
106257	5083	H116	50	1200	2400	Mill Finish DNV Certified	383.22						■		
101094	5083	H112	50	1200	2400	Plate 5083 H112	383.22	■	■			■			
106141	5083	H116	50	1200	6100	Mill Finish	974.01						■		
100932	5083	H112	65	1200	1200	Mill Finish DNV Certified	249.09	■	■						
100942	5083	H112	80	1200	1200	Mill Finish	306.57	■	■	■		■	■	■	
100946	5083	H112	100	1200	1200	Mill Finish	382.83	■	■	■		■	■	■	
106238	5083	H111	100	1200	6100	Mill Finish DNV Certified	1948.0						■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

ROLLED PRODUCTS

TREADPLATE



MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
106079	5052	H114	1.4	1200	2400	Treadplate 5-Bar Mill Finish	11.996		■						
106080	5052	H114	1.4	1200	2400	Treadplate Satin Black One Side	11.996		■						
100086	5052	H114	1.6	1200	2400	Treadplate 5-Bar Mill Finish	13.248	■	■	■	■	■	■	■	■
106361	5052	H114	1.6	1200	2400	Treadplate 5-Bar Satin Black One Side	13.248			■					
100096	3003	H22	1.6	1219	2438	Bright Finish Propellor Pattern	12.88	■	■	■	■	■		■	■
100828	5052	H114	2	1200	2400	Treadplate 5-Bar Mill Finish	16.992	■	■	■	■	■	■		
104434	3003	H22	2	1219	2438	Bright Finish Propellor Pattern	17.106	■		■					
103500	5052	H114	2	1500	3000	Treadplate 5-Bar Mill Finish	26.55			■		■			
100123	5052	H114	2.5	1200	2400	Treadplate 5-Bar Mill Finish	21.312	■	■	■	■	■	■	■	■
104982	5052	H114	2.5	1500	3000	Treadplate 5-Bar Mill Finished	33.3	■		■	■				■
106114	3003	H22	2.54	1525	2430	Treadplate 5 Bar Super Bright	28.512						■		
100132	5052	H114	3	1200	2400	Treadplate 5-Bar Mill Finish	25.344	■	■	■	■	■	■	■	■
100138	3003	H22	3	1219	2438	Bright Finish Propellor Pattern	27.19	■	■	■	■	■		■	■
103422	5052	H114	3	1500	3000	Treadplate 5-Bar Mill Finished	39.6	■		■	■	■		■	
106343	5052	H114	3	1500	3600	Treadplate 5-Bar Mill Finished	47.52			■					
100135	5052	H114	3	1200	6000	Treadplate 5-Bar Mill Finished	63.36			■			■		
105922	5052	H114	3	1500	6000	Treadplate 5-Bar Mill Finished	80.325			■			■		
100864	5052	H114	4	1200	2400	Treadplate 5-Bar Mill Finished	33.113	■	■	■		■	■	■	■
105789	5052	F	4	1200	6000	Treadplate 5-Bar Mill Finish	82.368	■		■			■		
105923	5052	F	4	1500	6000	Treadplate 5-Bar	102.96						■		
104187	3003	H22	4.76	1219	2438	Bright Finish Propellor Pattern	45.014	■	■	■		■			
100160	5052	H114	5	1200	2400	Treadplate 5-Bar Mill Finished	39.744	■	■	■	■	■	■	■	■
105924	5251/5	O	5	1200	3660	Treadplate 5-Bar Mill Finish	62.015			■					
105925	5052	F	5	1200	6000	Treadplate 5-Bar	101.66			■			■		
105926	5052	F	5	1500	6000	Treadplate 5-Bar	127.08						■		
100177	5052	H114	6	1200	2400	Treadplate 5-Bar Mill Finished	47.808	■	■	■	■	■	■	■	■
104952	5052	H114	6	1500	3000	Treadplate 5-Bar Mill Finished	74.7			■					

Capral Limited reserves the right to change specifications and stocking locations without notice.

COIL

MATERIAL	ALLOY	TEMPER	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
105572	5005	H34	0.7	1200	0	Coil Mill Finish							■		
100054	3003	H16	0.8	2515	0	Transport Roof Coil Mill Finish	1	■	■			■	■		
105575	5005	H34	0.9	1200	0	Coil Mill Finish							■		
105580	3003	H16	1.2	2200	0	Coil Mill Finish		■	■	■			■		
105586	5052	H32	1.6	1200	0	Coil Mill Finish				■					
105583	5251	H34	1.6	900	0	Coil Mill Finish	1T			■					
105592	5251	H34	2.0	1200	0	Coil Mill Finish	1T			■					
105842	5052	H32	2.0	900	0	Coil Mill Finish				■					
105843	5251	H34	2.5	900	0	Coil Mill Finish	1T			■					
105597	5251	H34	3.0	1200	0	Coil Mill Finish	1T			■					
105595	5251	H34	3.0	900	0	Coil Mill Finish	1T			■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

EXTRUSIONS

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EXTRUSION ALLOYS

ALLOY	TYPICAL APPLICATION	HEAT TREATABLE	CORROSION RESISTANCE	MACHINING	ANODISING	FORMING	WELDING
1200	Commercially pure. Used where formability, not strength is required	No	A	D, C	B	A, C	A
1350	Electrical conductors	No	A	E, D	B	A, B	A
2011	Commercial machining alloy. Screw machine products	No	D	A, A	D	C, D	D
6060	Most commonly used extrusion alloy. Architectural and general purpose	Yes	A, C	C, C	A	A, C	A
6063	Pipe railing, furniture, architectural extrusions	Yes	A	D, C	A	B, C	A
6463	Trims requiring decorative finishing. Extruded architectural and trim sections	Yes	A	D, C	A	B, C	A
6106	General purpose, light structural applications	Yes	A	C, C	A	A, C	A
6101	Electrical conductors	Yes	A, B	C, D	A	C, B	A
6005A	Structural, transport and marine, for better surface finish and complexity	Yes	B	C, C	B	B, C	A
6061	Structural alloy with good corrosion resistance	Yes	B	D, C	B	A, C	A
6082	Heavy duty structures where good corrosion resistance is needed. Transport, marine etc.	Yes	A, B	C, B	B	A, C	A
6351	Heavy duty structures where good corrosion resistance is needed	Yes	A	C, C	B	C, C	B

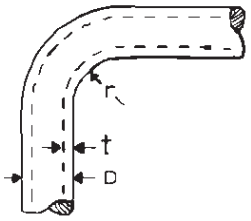
- Relative rating are in decreasing order of merit = ABCDE
- Where applicable, ratings for both annealed and hardest temper are given eg: A,C

Table adapted from *Aluminium Standards Data and Design – Wrought Products, Table 3.1*, published by the Australian Aluminium Council 2004 and should be used as a guide only

ROUND TUBE

RECOMMENDED BENDING RADII

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

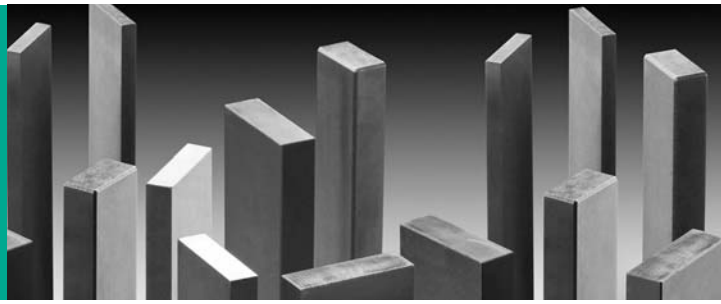


Where D = outside diameter of tube (mm)
t = wall thickness of tube (mm)
r = inside radius of bend (mm)

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

TUBE SIZE		RADII FOR VARIOUS ALLOYS & 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	12	15	16	18	20	18
	1.6	10	13	14	13	18	16
12	1	16	16	18	22	25	28
	1.6	12	15	17	20	23	26
16	1	19	22	30	32	35	38
	1.6	17	20	23	26	32	32
20	1	25	28	38	40	50	60
	1.6	22	25	32	32	40	40
25	1.2	38	45	50	56	62	70
	1.6	35	45	45	50	56	65
	3	30	12	40	45	52	50
28	1.2	45	54	60	68	84	98
	1.6	42	50	54	58	64	75
	3	34	40	42	45	50	50
32	1.2	54	62	80	80	100	110
	2	42	48	58	60	80	80
	3	38	42	46	52	60	70
40	1.6	64	72	90	95	120	140
	2	56	64	80	80	100	110
	3	48	54	60	70	80	85
50	1.6	90	112	125	140	175	220
	2	84	98	110	126	150	190
	3	70	80	95	110	125	150
	4	68	70	80	90	120	140
60	2	100	120	150	170	220	260
	3	100	105	120	130	180	220
	4	85	90	100	120	150	190
	6	70	80	90	100	130	150
80	2	165	190	220	240	340	400
	3	140	170	185	200	250	320
	4	135	150	160	180	220	280
	6	120	130	140	160	200	250

FLAT BAR



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
816250	Flat Bar 10x3.0	EX4001	6060	T5	4000	MF	0.32	100	100		■	■	■	■	■	■	■	
866988	Flat Bar 10x3.0	EX4001	6060	T5	4000	15um CLR	0.32	100	100		■	■			■	■		
852141	Flat Bar 12x1.6	EX4095	6060	T5	4000	MF	0.208	100	100		■		■		■	■		
996509	Flat Bar 12x3.0	EX4002	6060	T5	4000	15um CLR	0.388	100	100		■		■	■	■	■		
813931	Flat Bar 12x3.0	EX4002	6060	T5	4000	MF	0.388	100	100		■	■	■	■	■	■	■	
851813	Flat Bar 12x6.0	EX4019	6060	T5	4000	MF	0.776	100	100		■				■	■		■
851988	Flat Bar 16x3.0	EX4003	6060	T5	4000	MF	0.52	100	100		■	■			■	■	■	
816249	Flat Bar 20x1.6	EX4000	6060	T5	4000	MF	0.344	100	100		■	■	■	■	■		■	■
996508	Flat Bar 20x1.6	EX4000	6060	T5	4000	15um CLR	0.344	100	100				■					
813934	Flat Bar 20x3.0	EX4004	6060	T5	4000	MF	0.648	100	100		■	■	■	■	■	■	■	■
862397	Flat Bar 20x3.0	EX4004	6060	T5	4000	15um CLR	0.648	100	100		■		■	■		■		
816259	Flat Bar 20x6.0	EX4020	6060	T5	4000	MF	1.3	100	100		■	■	■	■	■	■	■	
808087	Flat Bar 20x10	E20016	6060	T5	4000	MF	2.16	100	100		■	■	■		■	■		
852060	Flat Bar 20x12	EX4036	6060	T5	4000	MF	2.592	100	100		■	■				■		
813938	Flat Bar 25x3.0	EX4005	6060	T5	4000	MF	0.812	100	100		■	■	■	■	■	■	■	■
862398	Flat Bar 25x3.0	EX4005	6060	T5	4000	15um CLR	0.812	100	100		■		■	■		■		■
816256	Flat Bar 25x4.0	EX4014	6060	T5	4000	MF	1.08	100	100			■						
878881	Flat Bar 25x5.0	EX4063	6060	T5	6000	MF	2.028	100	100							■		
813960	Flat Bar 25x6.0	EX4021	6060	T5	4000	MF	1.62	100	100		■	■	■	■	■	■	■	■
813973	Flat Bar 25x10	EX4029	6060	T5	4000	MF	2.7	100	100		■	■	■	■	■	■	■	
852061	Flat Bar 25x12	EX4037	6060	T5	4000	MF	3.24	100	100		■	■	■	■	■	■		
852083	Flat Bar 25x20	EX4045	6060	T5	4000	MF	5.4	100	100		■							
875893	Flat Bar 25.4x1.57	EX1468	6060	T5	4000	MF	0.432	100	100		■							
810153	Colonial Bar 25.4x3.2 RAD	E02329	6060	T5	4000	MF	0.832	100	100	RAD						■		
862399	Flat Bar 32x3.0	EX4006	6060	T5	4000	15um CLR	1.036	100	100				■	■		■		
813943	Flat Bar 32x3.0	EX4006	6060	T5	4000	MF	1.036	100	100		■	■	■	■	■	■	■	■
878879	Flat Bar 32x5.0	EX4062	6060	T5	6000	MF	2.586	100	100							■		
816261	Flat Bar 32x6.0	EX4022	6060	T5	4000	MF	2.072	100	100		■	■	■	■	■	■	■	■
852036	Flat Bar 32x10	EX4030	6060	T5	4000	MF	3.456	100	100		■	■	■	■	■	■	■	
851545	Flat Bar 34.93x2.77	EX1503	6060	T5	4000	MF	1.048	100	100				■					
862400	Flat Bar 40x3.0	EX4007	6060	T5	4000	15um CLR	1.292	100	100				■	■		■		
813947	Flat Bar 40x3.0	EX4007	6060	T5	4000	MF	1.292	100	100		■	■	■	■	■	■	■	■
816257	Flat Bar 40x4.0	EX4015	6060	T5	4000	MF	1.728	100	100				■			■		
807849	Flat Bar 40x4.0 RAD	E22071	6060	T5	6000	MF	2.532	100	100	RAD						■		
813988	Flat Bar 40x5.0	EX4054	6060	T5	6000	MF	3.246	100	100							■		
812586	Flat Bar 40x6.0	EX4023	6082	T6	6000	MF – DNV	3.888	100	100							■		

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
813962	Flat Bar 40x6.0	EX4023	6060	T5	4000	MF	2.592	100	100		■	■	■	■	■	■	■	■
813974	Flat Bar 40x10.0	EX4031	6060	T5	4000	MF	4.316	100	100		■	■	■	■	■	■	■	■
852062	Flat Bar 40x12	EX4038	6060	T5	4000	MF	5.184	104	104		■					■		
907742	Flat Bar 40x16	E20038	6060	T5	4000	MF	6.912	112	112		■	■	■		■			
812605	Flat Bar 40x25	EX4047	6060	T5	4000	MF	10.8	130	130			■				■		
982918	Flat Bar 45x3	EP7208	6060	T5	4000	MF	1.46	100	100				■					
813950	Flat Bar 50x3.0	EX4008	6060	T5	4000	MF	1.62	106	106		■	■	■	■	■		■	■
862401	Flat Bar 50x3.0	EX4008	6060	T5	4000	15um CLR	1.62	106	106		■		■	■				
851805	Flat Bar 50x4.0	EX4016	6060	T5	4000	MF	2.16	108	108		■	■						
1002436	Flat Bar 50x5.0	EX4060	6082	T5	6000	MF – DNV	4.05	110	110							■		
957455	Flat Bar 50x6	EAL4035	6060	T5	4000	MF	3.24	112	112		■	■	■		■			
813965	Flat Bar 50x6.0 RAD	EX4024	6060	T5	4000	MF	3.232	110	110	RAD	■	■	■	■			■	■
1002437	Flat Bar 50x6.0 RAD	EX4024	6082	T5	6000	MF – DNV	4.848	110	110	RAD						■		
1007938	Flat Bar 50x6.0 RAD	EX4024	6082	T5	6100	MF – DNV	4.929	110	110	RAD							■	
852166	Flat Bar 50x8 RAD	EP5401	6082	T5	5850	MF – DNV	6.306	114	114	RAD						■		
813975	Flat Bar 50x10	EX4032	6060	T5	4000	MF	5.4	120	120		■	■	■	■	■	■	■	■
1005347	Flat Bar 50 x 10 RAD	EXP1167	6005A	T5	6500	MF	8.431	120	120	RAD			■					
816287	Flat Bar 50x12	EX4039	6060	T5	4000	MF	6.48	124	124		■	■	■	■	■	■	■	
812603	Flat Bar 50x20	EX4046	6060	T5	4000	MF	10.8	140	140		■	■			■			■
808800	Flat Bar 50x25	EX4048	6060	T5	4000	MF	13.5	150	150		■	■	■		■	■	■	
992942	Flat Bar 50.8x4.75 RAD	EAL2551	6060	T52	6000	MF	3.828	107	107	RAD					■			
816253	Flat Bar 60x3.0	EX4009	6060	T5	4000	MF	1.944	126	126		■	■	■	■	■	■	■	
940221	Flat Bar 60x5.0 RAD	EP9811	6060	T4	6000	MF	4.776	126	126	RAD			■					
816300	Flat Bar 60x6.0	EX4069	6060	T5	4000	MF	3.888	132	132		■	■	■	■			■	
999471	Flat Bar 60x6.0	EX4069	6082	T5	6000	MF – DNV	5.832	132	132							■		
1007944	Flat Bar 60x6.0	EX4069	6082	T5	6100	MF – DNV	5.929	132	132								■	
852128	Flat Bar 60x10.0	EX4070	6060	T5	4000	MF	6.48	140	140		■	■	■	■	■			■
852069	Flat Bar 60x12	EX4040	6060	T5	4000	MF	7.776	144	144		■	■	■		■			
996691	Flat Bar 65x3	EAL23629	6060	T5	6500	MF	3.419	135	135				■					
904735	Flat Bar 65x5.0	EX4059	6060	T5	4000	MF	3.508	139	139				■					
906845	Flat Bar 80x1.6	EAL12291	6060	T5	3600	MF	1.242	163	163		■							
813952	Flat Bar 80x3.0	EX4010	6060	T5	4000	MF	2.592	166	166		■	■	■	■	■	■	■	■
813969	Flat Bar 80x6.0	EX4025	6060	T5	4000	MF	5.184	172	172		■	■	■	■	■	■	■	■
1002438	Flat Bar 80x6.0	EX4025	6082	T5	6000	MF – DNV	7.776	172	172						■	■		
939408	Flat Bar 80x6.30 RAD	EB1092	6060	T4	6000	MF	8.016	167	167	RAD			■	■				
1002428	Flat Bar 80x8.0	EX4072	6082	T5	6000	MF – DNV	10.368	176	176							■		
813980	Flat Bar 80x10.0	EX4033	6060	T5	4000	MF	8.64	180	180		■	■	■	■	■	■	■	■
809391	Flat Bar 80x12.0	E20061	6060	T5	4000	MF	10.368	184	184		■	■	■	■		■		
852081	Flat Bar 80x16	EX4044	6060	T5	4000	MF	13.824	192	192		■	■	■		■	■	■	
808089	Flat Bar 80x25	EX4049	6060	T5	4000	MF	21.6	210	210		■	■				■		
837582	Flat Bar 100x1.5 RAD	E34113	6060	T5	3750	MF	1.515	202	202	RAD	■	■	■					■
862655	Flat Bar 100x1.5 RAD	E34113	6060	T5	3750	15um CLR	1.515	202	202	RAD	■	■	■	■	■	■	■	■
813957	Flat Bar 100x3.0	EX4011	6060	T5	4000	MF	3.24	206	206		■	■	■	■	■	■	■	■
979790	Flat Bar 100x3.0	EX4011	6060	T5	4000	15um CLR	3.24	206	206		■	■	■	■	■			

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

FLAT BAR

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
851811	Flat Bar 100x4.0	EX4018	6060	T5	4000	MF	4.32	208	208				■					
813971	Flat Bar 100x6.0	EX4026	6060	T5	4000	MF	6.48	212	212		■	■	■	■	■	■	■	■
816734	Flat Bar 100x6.0	EX4026	6082	T5	6000	MF – DNV	9.72	212	212		■					■		
1002425	Flat Bar 100x8	EP8310	6082	T6	6000	MF – DNV	12.948	214	214							■		
813982	Flat Bar 100x10	EX4034	6060	T5	4000	MF	10.8	220	220		■	■	■	■	■	■	■	■
1002429	Flat Bar 100x10	EX4034	6082	T5	6000	MF – DNV	16.2	220	220							■		
813986	Flat Bar 100x12	EX4042	6060	T5	4000	MF	12.96	224	224		■	■	■	■	■	■	■	
852077	Flat Bar 100x12	EX4042	6082	T6	6000	MF	19.44	224	224						■			
809401	Flat Bar 100x20	E20071	6060	T5	4000	MF	21.6	239	239							■		
852097	Flat Bar 100x25	EX4050	6060	T5	4000	MF	27	250	250		■	■	■	■	■			
999124	Flat Bar 120x10	EP13732	6060	T5	4000	MF	12.96	259	259				■					
1002431	Flat Bar 127x9.52	EX1728	6082	T5	4000	MF – DNV	13.096	273	273							■		
1002430	Flat Bar 127x12.7	EX1730	6082	T5	4000	MF – DNV	17.468	279	279							■		
999836	Flat Bar 144x 2.5 RAD	EP13819	6063	T5	6000	MF	5.82	291	291	RAD			■					
979791	Flat Bar 150x1.8 (Partition Skirting)	EXP0101	6060	T5	3600	15um CLR	2.635	304	304		■	■						
980717	Flat Bar 150x6 RAD	EAL23273	6060	T5	4000	MF	9.716	311	311	RAD	■							
969939	Flat Bar 150x8	EP11453	6060	T5	4000	MF	12.952	314	314			■						
999205	Flat Bar 150 x 10	EAL12095	6005A	T5	2850	MF	11.543	319	319				■					
816276	Flat Bar 160x6.0	EX4027	6060	T5	4000	MF	10.36	330	330		■	■	■	■	■	■	■	■
816804	Flat Bar 160x10.0	EX4035	6082	T5	4000	MF – DNV	17.28	340	340							■		
816284	Flat Bar 160x10.0	EX4035	6060	T5	4000	MF	17.28	340	340		■	■	■	■	■	■	■	■
812601	Flat Bar 160x12	EX4043	6060	T5	4000	MF	20.736	344	344		■	■	■		■			
852169	Flat Bar 160x12	EX4043	6082	T5	4000	MF – DNV	20.736	344	344							■		
852102	Flat Bar 160x25	EX4051	6060	T5	4000	MF	43.2	370	370		■							
1004396	Flat Bar 160x12 RAD	EW5469	6005A	T5	2550	MF	13.143	339	339	RAD		■						
1006518	Flat Bar 160x12 RAD	EW5469	6082	T5	2460	MF	12.679	339	339	RAD					■			
961983	Flat Bar 200x6	EP5564	6060	T5	4010	MF	12.992	411	411		■							
1018560	Flat Bar 200x8 RAD	EP4404	6082	T5	6000	MF – DNV	25.908	414	414	RAD						■		

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SQUARE SOLID

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
964178	Square Solid 6.0mm	EX6500	6060	T5	4000	15um CLR	0.388	100	100				■		■	■		
814123	Square Solid 6.0mm	EX6500	6060	T5	4000	MF	0.388	100	100		■		■	■				
856311	Square Solid 10.0mm	EX6501	6060	T5	4000	MF	1.08	100	100		■		■			■		
808810	Square Solid 12.0mm	EX6502	6060	T5	4000	MF	1.556	100	100		■		■			■		
856315	Square Solid 16.0mm	EX6503	6060	T5	4000	MF	2.764	100	100		■		■		■			
814126	Square Solid 20.0mm	EX6504	6060	T5	4000	MF	4.32	100	100		■				■	■		
856318	Square Solid 25.0mm	EX6505	6060	T5	4000	MF	6.752	100	100		■	■	■					
808812	Square Solid 40.0mm	EX6506	6106	T6	4000	MF	17.024	160	160		■	■	■		■			
1002457	Square Solid 50.0mm	EX6507	6082	T6	4000	MF – DNV	28.1	200	200							■		
808814	Square Solid 50.0mm	EX6507	6106	T6	4000	MF	28.1	200	200		■	■			■	■		
809426	Square Solid 65.0mm	EX6508	6106	T6	4000	MF	45.632	260	260		■							

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

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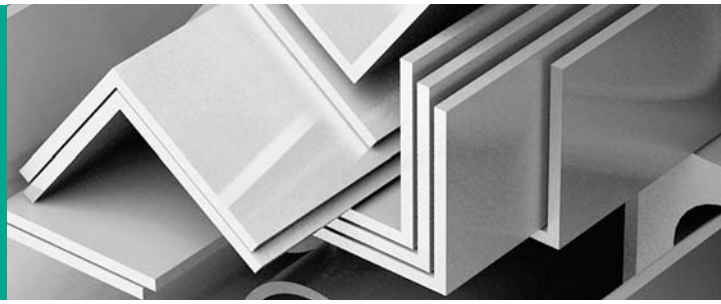

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
813623	Angle 12x12x1.6	EK9102	6060	T5	6500	MF	0.624	100	100		■	■	■	■	■	■	■	
970286	Angle 12x12x1.6	EK9102	6060	T5	4230	PWG GA078A	0.406	100	100		■	■	■	■	■		■	
970285	Angle 12x12x1.6	EK9102	6060	T5	4230	5um BN	0.406	100	100		■	■	■	■	■	■	■	■
920714	Angle 12x12x1.6	EK9102	6060	T5	6500	BS GN150A	0.624	100	100							■		
861641	Angle 12x12x1.6	EK9102	6060	T5	6500	15um CLR	0.624	100	100		■	■	■	■	■	■	■	■
813626	Angle 12x12x3.0	EK9103	6060	T5	6500	MF	1.105	100	100		■	■	■				■	
979777	Angle 16x16x1.6	EB1118	6060	T5	6500	15um CLR	0.858	100	100		■	■	■		■			
813586	Angle 16x16x1.6	EB1118	6060	T5	6500	MF	0.858	100	100		■	■	■		■		■	
979778	Angle 16x16x3.0	EK9104	6060	T5	6500	15um CLR	1.528	100	100		■	■	■					
813627	Angle 16x16x3.0	EK9104	6060	T5	6500	MF	1.527	100	100		■	■	■		■			
861645	Angle 20x12x1.6	EK9105	6060	T5	6500	15um CLR	0.845	100	100		■	■	■	■	■	■	■	■
915738	Angle 20x12x1.6	EK9105	6060	T5	6500	BS GN150A	0.845	100	100		■		■	■	■	■		
813631	Angle 20x12x1.6	EK9105	6060	T5	6500	MF	0.845	100	100		■	■	■	■	■	■	■	■
841398	Angle 20x12x3.0	EK9106	6060	T5	6500	MF	1.527	100	100		■	■						
861649	Angle 20x20x1.6	EK9107	6060	T5	6500	15um CLR	1.073	100	100		■	■	■	■	■	■	■	■
813637	Angle 20x20x1.6	EK9107	6060	T5	6500	MF	1.073	100	100		■	■	■	■	■	■	■	■
813640	Angle 20x20x3.0	EK9108	6060	T5	6500	MF	1.95	100	100		■	■	■	■	■	■	■	
979779	Angle 20x20x3.0	EK9108	6060	T5	6500	15um CLR	1.95	100	100		■	■	■	■	■	■		
970291	Angle 25x12x1.6 RAD	EK9109	6060	T5	4230	5um BN	0.647	100	100	RAD		■	■	■		■	■	
861655	Angle 25x12x1.6 RAD	EK9109	6060	T5	6500	PWG GA078A	0.995	100	100	RAD	■		■	■		■	■	■
861653	Angle 25x12x1.6 RAD	EK9109	6060	T5	6500	15um CLR	0.995	100	100	RAD	■	■	■	■	■	■		■
813645	Angle 25x12x1.6 RAD	EK9109	6060	T5	6500	MF	0.995	100	100	RAD	■	■	■	■	■	■	■	■
815393	Angle 25x12x3.0	EK9110	6060	T5	6500	MF	1.788	100	100		■	■				■		
813650	Angle 25x20x1.6	EK9111	6060	T5	6500	MF	1.216	100	100		■	■	■	■	■	■	■	■
861656	Angle 25x20x1.6	EK9111	6060	T5	6500	15um CLR	1.216	100	100		■	■	■	■	■	■		■
933408	Angle 25x20x1.6	EK9111	6060	T5	6500	WRCT	1.216	100	100		■				■			■
813653	Angle 25x20x3.0	EK9112	6060	T5	6500	MF	2.21	100	100		■	■	■					
861681	Angle 25x25x1.6	EK9216	6060	T5	6500	PWG GA078A	1.359	100	100		■	■	■	■		■		■
861677	Angle 25x25x1.6	EK9216	6060	T5	6500	15um CLR	1.359	100	100		■	■	■	■	■	■	■	■
920820	Angle 25x25x1.6	EK9216	6060	T5	6500	BS GN150A	1.359	100	100				■	■				

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
970296	Angle 25x25x1.6	EK9216	6060	T5	4230	5um BN	0.884	100	100			■	■	■		■	■	
813740	Angle 25x25x1.6	EK9216	6060	T5	6500	MF	1.359	100	100		■	■	■	■	■	■	■	■
861682	Angle 25x25x3.0	EK9217	6060	T5	6500	15um CLR	2.477	100	100		■	■	■	■	■	■		
813745	Angle 25x25x3.0	EK9217	6060	T5	6000	MF	2.286	100	100						■	■		
813746	Angle 25x25x3.0	EK9217	6060	T5	6500	MF	2.476	100	100		■	■	■	■		■	■	■
850349	Angle 25x25x6.0	EU2611	6060	T5	6500	MF	4.628	100	100		■	■	■		■		■	
813657	Angle 32x20x1.6	EK9114	6060	T5	6500	MF	1.417	104	104		■	■	■	■	■	■	■	■
861660	Angle 32x20x1.6	EK9114	6060	T5	6500	15um CLR	1.417	104	104		■	■	■		■		■	■
813658	Angle 32x20x3.0	EK9116	6060	T5	6500	MF	2.581	103	103		■	■	■	■	■			
841418	Angle 32x25x3.0	EK9117	6060	T5	6500	MF	2.841	114	114		■	■	■		■			
810936	Angle 32x32x1.6	EB1126	6060	T5	6500	MF	1.755	128	128		■	■	■	■	■	■	■	■
883621	Angle 32x32x1.6	EB1126	6060	T5	6500	15um CLR	1.755	128	128		■	■			■			
862317	Angle 32x32x3.0	EK9118	6060	T5	6500	15um CLR	3.211	128	128		■	■	■		■	■		
813662	Angle 32x32x3.0	EK9118	6060	T5	6500	MF	3.211	128	128		■	■	■	■	■	■	■	■
862253	Angle 40x12x1.6	E20434	6060	T5	6500	15um CLR	1.417	104	104		■	■	■	■				
807782	Angle 40x12x1.6	E20434	6060	T5	6500	MF	1.417	104	104		■	■	■	■	■	■	■	
841428	Angle 40x12x3.0 RAD	EK9120	6060	T5	6500	MF	2.581	103	103	RAD	■	■	■		■			
813752	Angle 40x20x1.6	EL3257	6060	T5	6500	MF	1.638	119	119		■	■	■	■	■	■	■	■
861686	Angle 40x20x1.6	EL3257	6060	T5	6500	15um CLR	1.638	119	119		■	■	■	■	■	■	■	■
813663	Angle 40x20x3.0	EK9121	6060	T5	6500	MF	3.003	119	119		■	■	■	■	■			
813792	Angle 40x25x1.6	EL8124	6060	T5	6500	MF	1.774	129	129		■	■	■	■	■	■	■	
964551	Angle 40x25x1.6	EL8124	6060	T5	6500	BS GN150A	1.775	129	129				■	■				
861698	Angle 40x25x1.6	EL8124	6060	T5	6500	15um CLR	1.775	129	129		■	■	■	■	■			■
979780	Angle 40x25x3.0	EK9122	6060	T5	6500	15um CLR	3.263	130	130		■	■	■					
813665	Angle 40x25x3.0	EK9122	6060	T5	6500	MF	3.263	130	130		■	■	■	■	■	■	■	■
813363	Angle 40x40x1.5	EU7481	6060	T5	6500	MF	2.067	160	160		■							
998411	Angle 40x40x1.5	EU7481	6060	T5	6500	CBSM GA236A	2.067	160	160		■				■			
813672	Angle 40x40x1.6	EK9123	6060	T5	6500	MF	2.197	160	160		■	■	■	■	■	■	■	■
861666	Angle 40x40x1.6	EK9123	6060	T5	6500	15um CLR	2.197	160	160		■	■	■	■	■	■		■
861670	Angle 40x40x1.6	EK9123	6060	T5	6500	PWG GA078A	2.197	160	160		■		■	■				■
867388	Angle 40x40x3.0	EK9124	6060	T5	6500	15um CLR	4.056	160	160		■		■	■	■			
813676	Angle 40x40x3.0	EK9124	6060	T5	6500	MF	4.056	160	160		■	■	■	■	■	■	■	■
813679	Angle 40x40x4.0	EK9125	6060	T5	6500	MF	5.336	160	160		■	■	■	■	■	■	■	■
813682	Angle 40x40x6.0	EK9126	6060	T5	6500	MF	7.793	160	160		■	■	■	■	■	■	■	■

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

ANGLES

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
811106	Angle 50x12x3.0	EK9127	6060	T5	6500	MF	3.107	124	124		■	■						
810102	Angle 50x20x1.6	E34020	6060	T5	6500	MF	1.911	140	140		■	■	■					
841457	Angle 50x20x3.0	EK9128	6060	T5	6500	MF	3.53	140	140		■	■						
813684	Angle 50x25x1.6	EK9129	6060	T5	6500	MF	2.06	149	149		■	■	■	■	■	■	■	■
861671	Angle 50x25x1.6	EK9129	6060	T5	6500	15um CLR	2.061	149	149		■	■	■	■	■	■		■
979781	Angle 50x25x3.0	EK9130	6060	T5	6500	15um CLR	3.79	150	150		■		■	■		■		
813687	Angle 50x25x3.0	EK9130	6060	T5	6500	MF	3.789	150	150		■	■	■	■	■	■	■	■
841461	Angle 50x40x3.0	EK9131	6060	T5	6500	MF	4.582	180	180		■	■						
813364	Angle 50x50x1.5	EU7483	6060	T5	6500	MF	2.594	200	200							■		
807916	Angle 50x50x1.6	EL9417	6060	T5	6500	MF	2.763	199	199		■	■	■	■	■	■	■	■
862328	Angle 50x50x1.6	EL9417	6060	T5	6500	15um CLR	2.763	199	199		■	■	■		■			
979782	Angle 50x50x3.0	EK9132	6060	T5	6500	15um CLR	5.109	200	200		■	■	■	■	■			
813690	Angle 50x50x3.0	EK9132	6060	T5	6500	MF	5.109	200	200		■	■	■	■	■	■	■	■
1007945	Angle 50x50x4.0 RAD	E20688	6082	T5	6100	MF – DNV	6.344	200	200	RAD							■	
813692	Angle 50x50x4.0	EK9133	6060	T5	6500	MF	6.74	200	200		■	■	■	■	■		■	
1007953	Angle 50x50x6.0 RAD	EN5408	6082	T5	6100	MF – DNV	9.345	200	200	RAD							■	
813696	Angle 50x50x6.0	EK9134	6060	T5	6500	MF	9.899	200	200		■	■	■	■	■	■	■	■
810977	Angle 50.8x50.8x6.35 RAD	EG6419	6061	T6	5500	MF	9.102	201	201	RAD	■	■	■					
840368	Angle 60x25x3.0	EB1155	6060	T5	6500	MF	4.316	169	169		■	■	■		■			
809503	Angle 60x40x4.0	E20560	6060	T5	6500	MF	6.714	198	198		■	■	■					
813699	Angle 60x60x3.0	EK9135	6060	T5	6500	MF	6.162	240	240		■	■	■	■	■	■	■	■
841483	Angle 60x60x6.0	EK9136	6060	T5	6500	MF	12.006	240	240		■	■	■	■	■		■	
999429	Angle 63.5x63.5x6.35 RAD	EG6412	6082	T5	5500	MF – DNV	11.506	251	251	RAD			■					
810100	Angle 70x20x1.6	E34019	6060	T5	6500	MF	2.483	180	180		■	■	■				■	
843047	Angle 70x25x1.6	EN5714	6060	T5	6500	MF	2.613	190	190		■	■	■			■		
979786	Angle 70x25x1.6	EN5714	6060	T5	6000	15um CLR	2.412	190	190		■		■					
909681	Angle 70x40x1.5	EP3031	6060	T5	6500	C/BSM GA236A	2.854	220	220		■		■	■				
845058	Angle 70x40x1.5	EP3031	6060	T5	6500	MF	2.854	220	220		■		■					
815581	Angle 70x40x1.6	EN7492	6060	T5	6500	MF	3.036	220	220		■	■	■	■	■	■	■	■
809505	Angle 75x25x1.6	E20561	6060	T5	6500	MF	2.762	200	200		■	■	■					
841723	Angle 75x25x3.0	EL5923	6060	T5	6500	MF	5.122	200	200				■					
999052	Angle 75x75x3	EP13733	6063	T5	6500	MF	7.735	299	299				■					
998990	Angle 76x55x5	EP13720	6060	T5	6500	MF	11.057	261	261				■					
808398	Angle 76.2x25.4x3.18	E03237	6060	T5	6500	MF	5.493	202	202		■		■					

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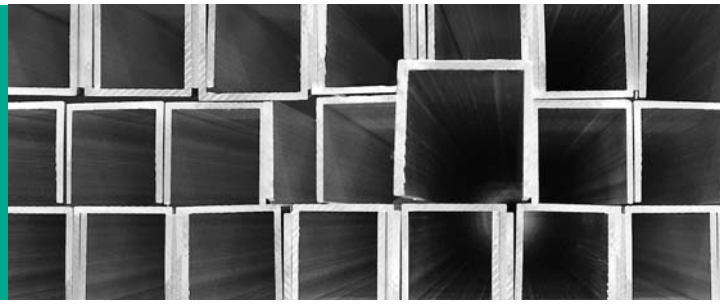
MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
841100	Angle 76.20x50.80x6.35 RAD	EG6410	6061	T6	5500	MF	11.523	251	251	RAD	■	■	■	■	■		■	■
808143	Angle 76.2x76.2x3.2	E06168	6060	T5	6500	MF	8.313	305	305		■	■	■	■	■	■	■	■
841094	Angle 76.2x76.2x6.35 RAD	EG6408	6061	T6	5500	MF	13.959	301	301	RAD	■	■	■		■			
841093	Angle 76.2x76.2x9.52 RAD	EG6407	6061	T6	5500	MF	20.389	302	302	RAD	■				■			
813700	Angle 80x20x3.0	EK9137	6060	T5	6500	MF	5.103	199	199		■	■	■		■	■		
813591	Angle 80x40x6.0	EB1160	6060	T5	6500	MF	12.006	240	240			■	■			■		
808489	Angle 80x50x2.5	E20559	6060	T5	6500	MF	5.596	260	260		■	■	■					
817737	Angle 80x50x6.0 RAD	EN5324	6061	T6	6000	MF	12.102	257	257	RAD	■	■						
809497	Angle 80x80x4.0	E20536	6060	T5	6500	MF	10.952	320	320		■		■	■				
841492	Angle 80x80x6.0	EK9138	6060	T5	6500	MF	16.211	319	319		■	■	■	■	■	■	■	■
1007940	Angle 80x80x6.0 RAD	E20707	6082	T5	6100	MF – DNV	15.274	318	318	RAD							■	
809521	Angle 80x80x10 RAD	E20709	6061	T6	6000	MF	24.426	317	317	RAD	■	■	■				■	
908410	Angle 90x40x1.6	EME30823	6060	T5	6500	MF	3.601	259	259		■		■		■			
909594	Angle 90x40x1.6	EME30823	6060	T5	6500	C/BSM GA236A	3.601	259	259		■	■						
985705	Angle 100x50x3	EP12372	6060	T5	6500	MF	7.735	299	299				■					
808487	Angle 100x50x4.0	E20525	6060	T5	6500	MF	10.25	300	300		■	■	■	■	■	■	■	■
847658	Angle 100x50x6.0 RAD	EQ1558	6061	T6	6000	MF	14.052	298	298	RAD	■	■	■	■				
1007942	Angle 100x50x6.0 RAD	EQ1558	6062	T5	6100	MF – DNV	14.286	298	298	RAD							■	
999511	Angle 100x80x10	EXP0406	6082	T5	6500	MF	29.946	360	360				■					
997457	Angle 100x100x6	EP12627	6005A	T5	6000	MF	18.852	399	399				■					
809523	Angle 100x100x8.0 RAD	E20714	6061	T6	6000	MF	25.008	397	397	RAD	■	■	■	■	■		■	
810938	Angle 101.6x50.8x3.18	EB1153	6060	T5	6000	MF	7.692	305	305		■	■	■					
808344	Angle 101.6x50.8x6.4 RAD	EL4195	6061	T6	5500	MF	13.954	302	302	RAD	■	■	■		■	■		
910166	Angle 101.6x101.6x6.35	EXP0062	6351	T6	5500	MF	18.827	402	402		■	■						
816923	Angle 101.6x101.6x9.53 RAD	EG6403	6082	T5	5500	MF – DNV	27.671	402	402	RAD	■				■			
808206	Angle 125x50x3.0	EK9139	6060	T5	6500	MF	9.054	350	350		■	■	■	■	■	■	■	■
809517	Angle 125x50x6.0 RAD	E20700	6061	T6	6000	MF	16.482	348	348	RAD	■	■	■					
1001859	Angle 125x50x6.0 RAD	EN2911	6082	T5	6000	MF – DNV	16.458	346	346	RAD						■		
1001857	Angle 125x80x8 RAD	EN5323	6082	T5	6000	MF – DNV	25.65	407	407	RAD						■		
999375	Angle 150x80x10	EP13734	6082	T5	6500	MF	38.591	458	458				■					
999677	Angle 200x100x8 RAD	EP9471	6005A	T5	6500	MF	41.321	594	594	RAD			■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

CHANNELS



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
979783	Channel 10x10x1.6	EK9146	6060	T5	6500	15um CLR	0.754	100	100				■			■		
813710	Channel 10x10x1.6	EK9146	6060	T5	6500	MF	0.754	100	100		■		■			■		
813711	Channel 10x12x1.6	EK9147	6060	T5	6500	MF	0.864	100	100			■						
865838	Channel 12x12x1.6	EK9149	6060	T5	6500	15um CLR	0.917	100	100		■	■	■	■	■			
813716	Channel 12x12x1.6	EK9149	6060	T5	6500	MF	0.917	100	100		■	■	■	■	■	■	■	
815401	Channel 12x20x2.5	EK9151	6060	T5	6500	MF	2.061	100	100		■	■	■		■		■	
808161	Channel 16x12x1.6	E20770	6060	T5	6500	MF	1.033	100	100		■	■				■		
815408	Channel 16x16x1.6	EK9152	6060	T5	6500	MF	1.261	100	100		■	■	■	■	■	■	■	■
964177	Channel 16x16x1.6	EK9152	6060	T5	6500	15um CLR	1.261	100	100		■	■				■		
809530	Channel 16x16x3.0	E20772	6060	T5	6500	MF	2.21	100	100		■		■					
813718	Channel 20x16x1.6	EK9153	6060	T5	6000	MF	1.266	100	100			■						
813719	Channel 20x16x1.6	EK9153	6060	T5	6500	MF	1.372	100	100			■				■	■	
933407	Channel 20x20x1.6	EL1812	6060	T5	6500	WRCT	1.593	116	116		■				■	■		■
862320	Channel 20x20x1.6	EL1812	6060	T5	6500	15um CLR	1.593	116	116		■		■					
811130	Channel 20x20x1.6	EL1812	6060	T5	6500	MF	1.592	116	116		■	■	■	■	■	■	■	■
939360	Channel 20x20x3.0	EK9155	6060	T5	6500	15um CLR	2.841	114	114		■							
841525	Channel 20x20x3.0	EK9155	6060	T5	6500	MF	2.841	114	114		■	■	■	■			■	
815410	Channel 25x12x3.0	EK9156	6060	T5	6500	MF	2.262	100	100		■		■					
813748	Channel 25x20x1.6	EL1813	6060	T5	6500	MF	1.735	127	127		■					■		
813721	Channel 25x20x2.5	EK9157	6060	T5	6500	MF	2.632	124	124		■							
813756	Channel 25x25x1.6	EL5249	6060	T5	6500	MF	2.015	100	147		■	■	■	■	■	■	■	
979784	Channel 25x25x1.6	EL5249	6060	T5	6500	15um CLR	2.015	100	147				■		■			
813724	Channel 25x25x3.0	EK9158	6060	T5	6500	MF	3.627	143	143		■	■	■	■	■	■	■	■
861675	Channel 25x25x3.0	EK9158	6060	T5	6500	15um CLR	3.627	143	143		■	■	■	■			■	■
861676	Channel 25x40x3.0	EK9159	6060	T5	6500	15um CLR	5.213	105	203		■	■	■			■		■
815412	Channel 25x40x3.0	EK9159	6060	T5	6500	MF	5.213	105	203		■	■	■	■	■	■	■	■
809544	Channel 32x16x1.6	E20784	6060	T5	6500	MF	1.703	125	125		■		■					
815413	Channel 32x25x3.0	EK9160	6060	T5	6500	MF	4.004	158	158		■	■	■	■	■	■	■	■

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
809107	Channel 37.95x25.4 RAD	EH5368	6060	T5	5500	MF	1.749	174	174	RAD	■		■			■		
1004388	Channel 38x40x2.0	EXP1161	6060	T5	5800	MF	3.584	232	232				■					
847649	Channel 40x20x2.0	EQ1556	6060	T5	6500	MF	2.665	156	156		■		■					
813727	Channel 40x20x3.0	EK9161	6060	T5	6500	MF	3.893	153	153		■	■	■					
864560	Channel 40x25x3.0	EK9162	6060	T5	6500	15um CLR	4.42	174	174				■		■			
813730	Channel 40x25x3.0	EK9162	6060	T5	6500	MF	4.42	174	174		■	■	■	■	■	■	■	■
809552	Channel 40x40x3.0	E20790	6060	T5	6500	MF	6	126	233		■	■	■	■	■	■	■	■
811004	Channel 41.9x25.4x1.6	EH5367	6060	T5	6500	MF	2.502	181	181		■							
808197	Channel 44.45x25.4x3.18	EG1021	6060	T5	6500	MF	4.959	184	184		■		■			■		
841317	Channel 44.45x44.45x6.35 RAD	EK5215	6060	T5	4000	MF	8.228	252	252	RAD	■		■					
1010519	Channel 40mm Fixing Bracket 49x50x4.0	EP14150	6106	T6	6500	MF	9.536	191	286				■					
809134	Channel 50x25x3.0	EK9215	6060	T5	6500	MF	4.947	194	194		■	■	■	■	■	■	■	■
813731	Channel 50x50x3.0	EK9163	6060	T5	6500	MF	7.578	294	294		■	■	■		■		■	
807835	Channel 53x25x1.5	E20830	6060	T5	6500	MF	2.633	103	203							■		
1003784	Channel 54x65x4x5 RAD	EP14111	6060	T5	6500	MF	13.007	236	353	RAD			■					
809558	Channel 54.2x20x1.6	E20821	6060	T5	6500	MF	2.555	185	185		■		■	■				
957490	Channel 56.5x31.8x4.5 RAD	EAL6225	6005A	T5	6100	MF	8.491	226	226	RAD						■		
999379	Channel 60x32x3.0 RAD	EP13675	6060	T5	6500	MF	6.208	242	242	RAD			■					
841550	Channel 60x32x3.0	EK9164	6060	T5	6500	MF	6.214	242	242		■	■	■	■	■			■
1000141	Channel 70x30x2.5	EXP0563	6005A	T5	6500	MF	5.506	192	192				■					
902953	Channel 76.2x38.1 RAD	EG6435	6005A	T5	5500	MF	15.032	286	286	RAD	■	■	■	■	■		■	■
889369	Channel 78x25x1.5	EP7868	6060	T5	6500	MF	3.283	128	252							■		
813733	Channel 80x25x3.0	EK9165	6060	T5	6500	MF	6.526	253	253		■	■	■	■	■	■		■
813735	Channel 80x40x4.0	EK9166	6060	T5	6500	MF	10.673	312	312		■		■	■	■	■		
1014212	Channel 80x40x6.0 RAD	E20922	6060	T6	6500	MF	15.704	305	305	RAD			■					
816924	Channel 80x40x6.0 RAD	E20922	6082	T5	6000	MF – DNV	14.496	305	305	RAD	■		■		■	■		
847924	Channel 80x40x8.0x6.0 RAD	EQ3461	6061	T6	6000	MF	16.830	303	303	RAD			■					
908447	Channel 92.3x25x1.8	EAL12324	6060	T5	6500	MF	6.279	145	276			■						
813736	Channel 100x25x3.0	EK9168	6060	T5	6500	MF	7.578	294	294		■	■	■		■	■	■	
841880	Channel 100x45x4.9 RAD	EL7540	6106	T6	6500	MF	15.685	365	365	RAD	■							
815321	Channel 100x50x3.0	EB1208	6060	T5	6500	MF	10.212	394	394		■	■	■			■	■	
1007946	Channel 100x50x5.0 RAD	E20929	6082	T5	6100	MF – DNV	23.180	382	382	RAD							■	
842530	Channel 100x50x5.0 RAD	EN3527	6082	T5	7500	MF	19.455	386	386	RAD			■					
842521	Channel 100x50x5.0 RAD	EN3527	6005A	T5	6000	MF	15.564	386	386	RAD	■		■	■				

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

CHANNELS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
1007951	Channel 100x50x5.0 RAD	EN3527	6082	T5	6100	MF – DNV	15.823	386	386	RAD							■	
999401	Channel 100x50x7.5x6.0 RAD	EP13664	6005A	T5	5500	MF	18.497	379	379	RAD			■					
841141	Channel 101.6x50.8 RAD	EG6434	6082	T6	5500	MF	20.581	385	385	RAD	■	■	■	■				■
841140	Channel 101.6x50.8 RAD	EG6434	6082	T5	7500	MF	28.065	385	385	RAD			■					
835900	Channel Lipped 101.6x76.2x6.35 RAD	E10174	6005A	T5	6000	MF	28.848	305	563	RAD	■							
908449	Channel 118x25x1.8	EAL12335	6060	T5	6500	MF	7.592	168	328			■						
999473	Channel 127x50.8x4.0 RAD	EP12540	6082	T6	6000	MF – DNV	14.526	442	442	RAD						■		
841125	Channel 127x63.5 RAD	EG6433	6061	T6	5500	MF	28.875	485	485	RAD	■	■	■		■		■	
810981	Channel 152.4x63.5 RAD	EG6432	6061	T6	5500	MF	28.556	537	537	RAD	■	■	■	■	■			■
998272	Channel 152.4x63.5 RAD	EG6432	6082	T5	6000	MF-DNV	31.152	537	537	RAD			■			■		
1007950	Channel 152.4x63.5 RAD	EG6432	6082	T5	6100	MF – DNV	31.671	537	537	RAD							■	
841119	Channel 152.4x63.5 RAD	EG6432	6082	T5	8840	MF	45.897	537	537	RAD			■					
1010068	Channel 152.4x76.2x9.55 RAD	E06330	6005A	T5	3200	MF	22.784	571	571	RAD			■					
998347	Channel 177.8x76.2 RAD	EG6430	6082	T5	5200	MF	38.516	637	637	RAD			■					
810979	Channel 177.8x76.2 RAD	EG6430	6061	T6	5500	MF	40.738	637	637	RAD	■	■	■					
809563	Channel 180x80 RAD	E20935	6061	T6	6000	MF	44.118	662	662	RAD	■							
941609	Channel 180x80x6.0 RAD	EU6362	6106	T4	6000	MF	31.116	651	651	RAD			■					
885566	Channel 200x90 RAD	EN3529	6060	T5	6000	MF	51.888	730	730	RAD	■		■					
999383	Channel 200x90x10x8.0 RAD	EN3529	6082	T5	6500	MF	56.212	730	730	RAD			■		■			
1008222	Channel Uneven 200x90x50x8.0x6.0 RAD	EQ4183	6063	T5	4864	MF	28.503	647	647	RAD			■					
1009434	Channel Uneven 200x90x50x8.0x6.0 RAD	EQ4183	6063	T5	5200	MF	30.472	647	647	RAD			■					
861093	Channel 254x115x12.5 RAD	EU1691	6082	T5	2450	MF	37.061	919	919	RAD			■					
947141	Channel 254x115x12.5 RAD	EU1691	6060	T4	3250	MF	49.163	919	919	RAD			■					
850292	Channel 254x115x12.5 RAD	EU1691	6061	T6	6000	MF	90.762	919	919	RAD			■					
1013746	Channel 381x152.4x12.7 RAD	E05721	6060	T5	2500	MF	48.93	1324	1324	RAD						■		
1005992	Channel 381x152.4x12.7 RAD	E05721	6005A	T5	3000	MF	58.716	1324	1324	RAD			■					

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TUBES

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
816304	Tube 10x1.2	EX5001	6060	T5	6500	MF	0.578	100	100		■	■	■	■		■		
865941	Tube 10x1.6	EX5098	6060	T5	6500	MF	0.735	100	100			■					■	
813994	Tube 12x1.6	EX5004	6060	T5	6500	MF	0.916	100	100		■	■	■		■	■	■	■
816213	Tube 15.88x1.22	EX2026	6106	T6	6000	MF	0.912	100	100				■					
851600	Tube 15.88x1.63	EX2028	6060	T5	6000	MF	1.182	100	100		■							
951808	Tube 16x1.2	EX5005	6063	T6	6100	MF	0.921	100	100				■					
814011	Tube 16x1.6	EX5006	6060	T5	6500	MF	1.268	100	100		■	■	■	■	■	■	■	■
808548	Tube 19x1.2	E40149	6060	T5	6500	MF	1.176	100	100				■			■	■	■
810648	Tube 19x3.2	E40201	6060	T52	6000	MF	2.55	100	100							■		
813927	Tube 19.04x1.65	EX2195	6060	T5	6100	MF	1.482	100	100		■							
986502	Tube 19.04x2.41	EX2033	6060	T595	6300	MF	2.142	100	100						■			
954542	Tube 19.05x1.6	EALH9075	6060	T5	7300	MF	1.73	100	100						■			
814025	Tube 20x1.6	EX5008	6060	T5	6500	MF	1.625	100	100		■	■	■	■	■	■	■	■
999131	Tube 20x3.0	EXP0441	6060	T5	6500	MF	2.815	100	100				■					
851607	Tube 22.23x5.99	EX2040	6061	T6	6000	MF	4.95	100	100				■					
862208	Tube 25x1.6	EX5010	6060	T5	6500	15um CLR	2.067	100	100		■				■			
814039	Tube 25x1.6	EX5010	6060	T5	6500	MF	2.067	100	100		■	■	■	■	■	■	■	■
864650	Tube 25x1.6	EX5010	6060	T5	6500	10um BS	2.067	100	100		■				■		■	
872574	Tube 25x2	E40519	6060	T5	4000	MF	1.56	100	100						■			
814046	Tube 25x3.0	EX5011	6060	T5	6500	MF	3.633	100	100		■	■	■	■	■	■	■	■
814057	Tube 32x1.6	EX5013	6060	T5	6500	MF	2.684	100	100		■	■	■	■	■	■	■	
983678	Tube 32x2	EX5110	6060	T595	6500	MF	3.309	100	100						■			
814060	Tube 32x3.0	EX5014	6060	T5	6500	MF	4.797	101	101		■	■	■	■	■	■	■	■
1021241	Tube 33.4x3.0	EP14384	6060	T6	5200	MF	4.025	105	105				■					
999128	Tube 38x4.5	EX5075	6005A	T5	6600	MF	8.441	119	119				■					
813582	Tube 38x4.5	EX5075	6060	T52	5500	MF	7.035	119	119							■		
989534	Tube 38.09x3.25	EX2078	6060	T52	6000	MF	5.76	119	119							■		
808541	Tube 38.1x2.0	E40015	6060	T5	6500	MF	3.978	120	120		■		■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

TUBES

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
808368	Tube 38.1x2.0	E40015	6060	T5	6000	MF	6.000	120	120		■		■			■		
810269	Tube 38.1x3.25	E40016	6060	T5	6500	MF	6.246	120	120		■	■	■	■			■	
955230	Tube 38.1x3.25	E40016	6060	T591	6500	MF	6.247	120	120		■		■		■			
855977	Tube 40x1.6	EX5015	6060	T5	6500	MF	3.387	125	125		■	■	■	■	■	■	■	■
814070	Tube 40x3.0	EX5017	6060	T5	6500	MF	6.123	126	126		■	■	■	■	■	■	■	■
814072	Tube 40x3.0	EX5017	6060	T591	6500	MF	6.123	126	126			■	■					■
1008687	Tube 42.16x3.56	EX2093	6060	T5	6100	MF	7.113	132	132				■					
851658	Tube 44.45x3.25	EX2101	6060	T591	6000	MF	6.816	139	139				■					
969202	Tube 44.50x3.2	EALH0417	6060	T591	6500	MF	7.287	140	140		■		■	■				
816577	Tube 46x3.5	E40700	6060	T5	6000	MF	7.566	141	141							■		
838554	Tube 46x3.5	E40700	6060	T591	6000	MF	7.572	141	141				■					
838555	Tube 46x3.5	E40700	6106	T6	6000	MF	7.572	141	141				■					
812582	Tube 48.41x4.47	EX2202	6061	T6	6000	MF	9.996	152	152		■	■	■	■	■		■	■
855991	Tube 50x1.6	EX5018	6060	T5	6500	MF	4.271	157	157		■	■	■	■	■	■	■	■
814076	Tube 50x2.0	EX5019	6060	T591	6500	MF	5.291	157	157				■					
814093	Tube 50x3.0	EX5041	6060	T5	6500	MF	7.774	157	157		■	■	■	■	■	■	■	■
814095	Tube 50x3.0	EX5041	6060	T591	6500	MF	7.774	157	157		■		■					
814115	Tube 50x4.0	EX5081	6060	T5	6500	MF	10.146	157	157		■		■			■	■	■
946413	Tube 50x5.0	EP7790	6060	T4	6000	MF	11.454	157	157		■							
815218	Tube 50x6.0	E40545	6060	T5	6000	MF	13.428	157	157				■	■				
810138	Tube 60x2.0	EX5021	6060	T5	6500	MF	6.396	188	188		■	■	■	■	■		■	■
856010	Tube 60x3.0	EX5022	6060	T591	6500	MF	9.425	188	188		■	■	■			■	■	
814086	Tube 60x3.0	EX5022	6060	T5	6500	MF	9.425	188	188		■				■			
1007955	Tube 60x5.0	EX5071	6082	T5	6100	MF – DNV	14.231	188	188								■	
856149	Tube 60x5.0	EX5071	6060	T5	6500	MF	15.165	188	188		■	■	■	■			■	
814098	Tube 60x6	EX5074	6060	T1	6500	MF	17.862	188	188							■		
838353	Tube 63.5x3.95	E40098	6060	T4	6000	MF	11.970	199	199				■					
998285	Tube 63.5x3.95	E40098	6060	T1	7000	MF	13.965	199	199		■				■			
999530	Tube 63.5x4.0	EXP0444	6060	T4	3900	MF	7.901	200	200				■					
999531	Tube 63.5x4.0	EXP0444	6060	T4	6400	MF	12.966	200	200				■					
851845	Tube 63.5x4.75	EX2204	6060	T1	6000	MF	14.202	200	200		■							
1001249	Tube 63.5x6.35	EX2138	6082	T5	6000	MF – DNV	18.468	199	199							■		
812568	Tube 63.5x6.35	EX2138	6106	T6	6500	MF	20.007	199	199		■	■	■	■	■		■	■
1002449	Tube 73.03x5.16	EX2148	6082	T5	5850	MF – DNV	17.38	229	229							■		

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
810671	Tube 76x4.25	E40703	6060	T1	6500	MF	16.816	239	239							■		
815300	Tube 76x6.0	EA2528	6060	T1	6500	MF	23.16	239	239							■		
816218	Tube 76.19x2.64	EX2151	6060	T5	5500	MF	9.058	239	239							■		
912868	Tube 76.19x3.25	EX2152	6060	T5	6500	MF	13.072	239	239		■	■	■	■				
1019350	Tube 76.19x6.35	EX2153	6005A	T5	6500	MF	24.453	239	239			■	■		■			
1007954	Tube 76.19x6.35	EX2153	6082	75	6100	MF – DNV	22.948	239	239								■	
812572	Tube 76.19x6.35	EX2153	6082	T6	6000	MF-DNV	22.572	239	239				■					
1021235	Tube 76.2x3.2	EP13843	6060	T4	6400	MF	12.678	239	239				■					
999837	Tube 76.2x3.2	EP13843	6063	T4	6400	MF	12.678	239	239				■					
1021242	Tube 76.2x3.8	EP8552	6060	T4	6400	MF	14.938	239	239				■					
930997	Tube 76.2x3.8	EP8552	6060	T5	6500	MF	15.171	239	239			■						
997079	Tube 76.2x4.7	E40154	6060	T591	6500	MF	18.525	239	239				■					
812632	Tube 80x2.0	EX5023	6060	T5	6500	MF	8.6	251	251			■						
856027	Tube 80x3.0	EX5024	6060	T5	6500	MF	12.74	251	251		■	■	■			■	■	
1002149	Tube 80x6.0	EX5032	6082	T5	5850	MF – DNV	22.031	251	251							■		
851712	Tube 88.9x5.33	EX2161	6060	T5	6000	MF	22.668	279	279		■		■		■	■		
998276	Tube 88.9x6.35	E40039	6082	T5	6000	MF – DNV	26.676	279	279		■					■		
995920	Tube 100x2.0	EX5025	6060	T5	6000	15um CLR	9.978	314	314		■							
816331	Tube 100x3.0	EX5026	6060	T5	6500	MF	16.042	314	314		■	■	■	■	■		■	■
855147	Tube 100x4.0	EX5060	6060	T1	6500	MF	21.164	314	314		■							
815319	Tube 100x6.0	EB1027	6060	T1	6500	MF	31.096	314	314							■		
817578	Tube 100x10	EX5030	6082	T5	6000	MF – DNV	45.798	314	314		■					■		
816239	Tube 101.6x1.6	EX2214	6060	T5	6500	MF	8.827	319	319			■						
867782	Tube 101.6x1.8	EQ7007	6060	T5	6000	MF	9.144	320	320				■					
1002447	Tube 101.6x3.25	EX2168	6082	T6	6000	MF – DNV	16.314	319	319							■		
852170	Tube 101.6x6.35	EX2170	6082	T5	6000	MF – DNV	30.78	319	319		■		■			■	■	
851723	Tube 101.6x6.35	EX2170	6061	T6	6500	MF	33.345	319	319		■		■	■				
998275	Tube 114.3x6.35	EX2180	6082	T5	6000	MF – DNV	34.884	359	359		■					■		
810364	Tube 127x2.8	E40682	6060	T5	6500	MF	19.181	399	399			■						
1012644	Tube 127x3.2	EX5070	6082	T6	6000	MF – DNV	20.16	399	399							■		
816354	Tube 127x4.3	EX5099	6106	T6	6100	MF	27.31	399	399							■		
817310	Tube 127x19.04	EX2190	6082	T5	4000	MF – DNV	69.748	399	399		■					■		
908543	Tube 150x3.0	E40664	6060	T5	6000	MF	22.446	471	471		■							
852174	Tube 152.4x22.23	EX2197	6082	T6	4000	MF – DNV	98.184	479	479							■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

TUBES

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
812541	Tube 152.4x3.25	EX2007	6060	T5	6000	MF	24.672	479	479			■	■	■				
812634	Tube 160x10	EX5029	6082	T6	6000	MF – DNV	76.332	502	502							■		
808128	Tube 162x6.0	EU8373	6082	T6	6000	MF – DNV	47.634	509	509							■		
1002453	Tube 177.8x12.7	EX5077	6082	T6	6000	MF – DNV	106.71	559	559							■		
932823	Tube 178x2.5	EP8302	6063	T4	2150	MF	8.002	559	559				■			■		
1002451	Tube 200x12.0	EX5064	6082	T5	4000	MF – DNV	76.544	628	628							■		
838483	Tube 203.2x3.0	E40634	6060	T5	4800	MF	24.451	638	638		■	■						
998714	Tube 205.6x12.7	EX5078	6082	T5	4000	MF – DNV	83.12	646	646							■		
1001775	Tube 219x12.7	EXP0921	6082	T6	6000	MF – DNV	136.26	100	100							■		
810284	Tube 219.1x8.2	E40215	6082	T6	6000	MF – DNV	88.02	688	688							■		
1013652	Tube 254x12.0	E27369	6082	T5	6000	MF – DNV	147.80	798	798							■		
600994	Tube Drawn 12.70x1.42	E-1214	6060	T81	5500	MF	0.748	100	100		■				■	■	■	
600853	Tube Drawn 15.88x1.42	EP8510	6060	T81	5500	MF	0.957	100	100		■	■			■	■	■	
600856	Tube Drawn 19.05x1.42	EP8511	6060	T81	5500	MF	1.166	100	100		■	■			■	■	■	
600324	Tube Drawn 22.23x1.42	E-2214	6060	T81	5500	MF	1.381	100	100		■	■	■		■	■	■	
600255	Tube Drawn 25.40x1.42	E-2514	6060	T81	5500	MF	1.59	100	100		■	■	■		■	■	■	
600256	Tube Drawn 28.58x1.42	E-2814	6060	T81	5500	MF	1.799	100	100		■	■			■	■	■	
600054	Tube Drawn 32.00x1.60	E-3216	6060	T81	6000	MF	2.478	100	100		■						■	

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ROUND BARS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
814954	Round Bar 10.0 Diameter	EX6000	6060	T5	4000	MF	0.844	100	100		■		■	■	■	■	■	■
816362	Round Bar 12.0 Diameter	EX6001	6060	T5	4000	MF	1.22	100	100		■	■	■	■	■	■	■	■
851954	Round Bar 15.88 Diameter	EX3020	6060	T5	4000	MF	2.14	100	100						■			
808384	Round Bar 16.0 Diameter	EX6002	6060	T5	4000	MF	2.172	100	100		■	■	■	■	■	■	■	■
808385	Round Bar 20.0 Diameter	EX6003	6060	T5	4000	MF	3.392	100	100		■	■	■	■	■	■	■	■
975646	Round Bar 25 Diameter	EAL12628	6060	T5	4000	MF	5.3	100	100				■					
851947	Round Bar 25.4 Diameter	EX3000	6061	T6	4000	MF	5.468	100	100			■				■	■	
808794	Round Bar 25.4 Diameter	EX3000	6060	T5	4000	MF	5.468	100	100		■	■	■	■	■	■	■	■
809459	Round Bar 30.0 Diameter	E20306	6061	T6	4000	MF	7.636	100	100		■	■				■	■	
816367	Round Bar 33.0 Diameter	EX6005	6061	T6	4000	MF	9.236	104	104		■	■	■			■	■	
812669	Round Bar 39.00 Diameter	EX6006	6061	T6	4000	MF	12.908	123	123		■	■	■		■	■	■	■
812675	Round Bar 50.00 Diameter	EX6010	6061	T6	4000	MF	21.204	157	157		■	■	■		■	■	■	■
905812	Round Bar 60.33 Diameter	EX3058	6061	T6	4000	MF	30.872	190	190		■		■			■	■	
808808	Machine Round 65.00 Diameter	EX6012	6061	T6	3000	MF	26.877	204	204		■	■				■		
1018845	Round Bar 75.00 Diameter	EX6014	6082	T5	3000	MF – DNV	35.787	236	236							■		
808796	Round Bar 76.19 Diameter	EX3066	6061	T6	2000	MF	25.622	239	239		■	■	■			■		
880900	Machine Round 80.00 Diameter	EX6015	6005A	T5	4000	MF	54.28	251	251							■		
1002446	Round Bar 90.00 Diameter	EX6016	6082	T5	3000	MF – DNV	51.528	283	283							■		
852173	Machine Round 100.00 Diameter	EX6017	6082	T6	3000	MF – DNV	63.618	314	314							■		
907980	Round Bar 101.60 Diameter	EX3099	6061	T6	2000	MF	43.78	319	319		■		■			■		
1002421	Round Bar 127.0 Diameter	EX3083	6082	T6	3000	MF – DNV	106.79	399	399							■		
1014756	Round Bar 150.00 Diameter	EX6085	6082	T6	3000	MF – LLO	143.14	471	471							■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

MACHINE ROUNDS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
601202	Machine Round 6.00 Diameter T3 Drawn MF	EXP0074	2011	T3	3000	MF	0.240	100	100		■	■	■		■		■	
600892	Machine Round 8.00 Diameter T3 Drawn MF	EAL4066	2011	T3	3600	MF	0.504	100	100		■	■			■	■	■	
600708	Machine Round 10.00 Diameter T3 Drawn MF	EX6000	2011	T3	3600	MF	0.767	100	100		■	■		■	■	■		
600712	Machine Round 12.00 Diameter T3 Drawn MF	EX6001	2011	T3	3600	MF	1.16	100	100		■	■		■	■	■		
600710	Machine Round 16.00 Diameter T3 Drawn MF	EX6002	2011	T3	3600	MF	1.962	100	100		■	■		■	■	■		
600907	Machine Round 18.00 Diameter T3 Drawn MF	EAL4072	2011	T3	3600	MF	2.592	100	100			■						
600722	Machine Round 20.00 Diameter T3 Drawn MF	EX6003	2011	T3	3600	MF	3.064	100	100		■	■		■	■	■		
600724	Machine Round 22.00 Diameter T3 Drawn MF	E20303	2011	T3	3600	MF	3.708	100	100		■	■			■			
600726	Machine Round 25.40 Diameter T3 Drawn MF	EX3000	2011	T3	3600	MF	5.2	100	100		■	■		■	■	■		
600730	Machine Round 30.00 Diameter T3 Drawn MF	E20306	2011	T3	3600	MF	7.19	100	100		■	■			■	■		
600732	Machine Round 33.00 Diameter T3 Drawn MF	EX6005	2011	T3	3600	MF	8.675	104	104		■	■						
600734	Machine Round 36.00 Diameter T3 Drawn MF	EX6036	2011	T3	3600	MF	10.42	113	113		■	■			■	■		
908395	Machine Round 39.00 Diameter T6 Extruded	EX6006	2011	T6	3600	MF	12.177	123	123		■	■		■	■	■		
911013	Machine Round 42.00 Diameter T6 Extruded	EX6007	2011	T6	3600	MF	14.634	132	132		■	■						
909446	Machine Round 45.00 Diameter T6 Extruded	EX6008	2011	T6	3600	MF	15.458	141	141		■	■						
908397	Machine Round 50.00 Diameter T6 Extruded	EX6010	2011	T6	3600	MF	19.861	157	157		■	■			■	■		
908000	Machine Round 55.00 Diameter T6 Extruded	EX6011	2011	T6	1800	MF	11.547	173	173		■	■			■			
908399	Machine Round 60.00 Diameter T6 Extruded	E20315	2011	T6	1800	MF	13.741	188	188		■	■			■	■		
908012	Machine Round 65.00 Diameter	EX6012	2011	T6	1800	MF	16.126	204	204		■	■			■			
909448	Machine Round 70.00 Diameter T6 Extruded	EX6013	2011	T6	1800	MF	18.704	220	220		■	■			■			
906198	Machine Round 75.00 Diameter T6 Extruded	EX6014	2011	T6	1800	MF	22.345	236	236		■	■			■	■		
893428	Machine Round 80.00 Diameter T6 Extruded	EX6015	2011	T6	1500	MF	21.127	251	251		■	■			■	■	■	
893430	Machine Round 90.00 Diameter T6 Extruded	EX6016	2011	T6	1500	MF	26.786	283	283		■	■			■	■		
893432	Machine Round 100.00 Diameter T6 Extruded	EX6017	2011	T6	1500	MF	31.809	314	314		■	■			■	■		
893434	Machine Round 110.00 Diameter T6 Extruded	EX6018	2011	T6	1500	MF	40.541	346	346		■				■	■		
910098	Machine Round 120.00 Diameter T6 Extruded	EXP0076	2011	T6	1500	MF	48.387	100	100		■				■	■		
893166	Machine Round 130.00 Diameter T6 Extruded	EX6019	2011	T6	1500	MF	55.556	408	408		■				■	■		
893168	Machine Round 140.00 Diameter T6 Extruded	EX6020	2011	T6	1500	MF	65.217	440	440		■					■		
893170	Machine Round 150.00 Diameter T6 Extruded	EX6085	2011	T6	1500	MF	75	471	471		■				■	■		
893442	Machine Round 160.00 Diameter T6 Extruded	EX6021	2011	T6	1500	MF	83.333	503	503		■				■	■		
971907	Machine Round 190.00 Diameter	EXP0333	2011	T6	1500	MF	120.09	534	534		■							
910198	Machine Round 210.00 Diameter T6 Extruded	EX6022	2011	T6	1500	MF	146.54	660	660		■					■		

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RECTANGULAR HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999135	RHS 38x16x1.2 RAD	EP13739	6063	T5	6500	MF	2.087	103	103	RAD			■					
999200	RHS 38x16x1.4 RAD	EXP0445	6063	T5	6500	MF	2.431	100	100	RAD			■					
888882	RHS 38x16x1.6 RAD	EP7822	6060	T5	6500	MF	2.841	106	106	RAD	■		■					■
873334	RHS 38x25x1.5 RAD	E22174	6060	T5	6500	MF	3.055	120	120	RAD						■		
906033	RHS 38x25x2.0 RAD	EN9524	6106	T6	6500	MF	4.037	121	121	RAD	■							
999199	RHS 38x25x3.2 RAD	EXP0454	6063	T5	6000	MF	5.832	126	126	RAD			■					
808742	RHS 38.1x17.45x3.18	EH2938	6060	T5	6500	MF	5.492	111	111		■	■	■	■	■			
848193	RHS 38.1x25.4x1.6 RAD	EQ4084	6106	T6	6000	MF	3.03	121	121	RAD					■			
809093	RHS 38.1x25.4x2.54	EG2205	6060	T5	6500	MF	5.206	127	127		■		■		■			
814552	RHS 38.3x25.3x1.95 RAD	EN6565	6106	T6	6000	MF	3.756	126	126	RAD	■							
998287	RHS 40x20x2.0 RAD	E22169	6005A	T5	7000	MF	4.179	117	117	RAD	■							
815318	RHS 40x25x2.5	EB1014	6060	T5	6500	MF	5.265	130	130		■	■	■	■		■	■	■
809585	RHS 40x25x3.0 RAD	E22122	6060	T5	6500	MF	6.09	125	125	RAD	■	■	■			■		■
999133	RHS 50x10x1.6	EP13740	6063	T5	6500	MF	3.192	119	119				■					
809596	RHS 50x25x1.5 RAD	E22167	6060	T5	6500	MF	3.776	148	148	RAD	■		■		■			
815925	RHS 50x25x1.6	EQ3359	6060	T5	6500	MF	4.03	149	149				■					
999201	RHS 50x25x1.6 RAD	EXP0450	6063	T5	6500	MF	3.933	150	150	RAD			■					
999142	RHS 50x25x2 RAD	EP13677	6063	T5	6500	MF	4.862	145	145	RAD			■					
850730	RHS 50x25x2.5	EU7751	6060	T5	6500	MF	6.143	150	150		■	■	■					
992310	RHS 50x25x3 RAD	EP13238	6060	T5	6500	MF	7.085	140	144	RAD			■	■				
1002456	RHS 50x25x3.0	EL8012	6082	T5	6000	MF – DNV	6.708	150	150				■			■		
813770	RHS 50x25x3.0	EL8012	6060	T5	6500	MF	7.267	150	150		■	■	■	■	■	■	■	■
815444	RHS 50x40x3.0	EL8013	6060	T5	6500	MF	8.846	180	180		■	■	■			■	■	■
1011638	RHS 50x40x3.0	EL8013	6082	T5	6500	MF – DNV	8.847	180	180							■		
1001704	RHS 50x40x5.0 RAD	EQ1636	6005A	T5	8000	MF	17.328	171	171	RAD					■			
847616	RHS 50.8x25.4x2.5 RAD	EQ1148	6060	T5	6000	MF	5.742	150	150	RAD			■	■				
922675	RHS 50.8x25.4x2.5 RAD	EQ1148	6060	T5	6000	BS GN150A	5.742	150	150	RAD				■				
979787	RHS 50.8x25.4x2.5 RAD	EQ1148	6060	T5	6000	15um CLR	5.742	150	150	RAD				■				
809089	RHS 50.8x38.1x3.18 RAD	EE3956	6060	T5	6500	MF	9.366	178	178	RAD	■							
999423	RHS 60x40x2.1 RAD	EP13847	6063	T5	6500	MF	6.936	195	195	RAD			■					
813772	RHS 60x40x3.0	EL8015	6060	T5	6500	MF	9.899	200	200		■	■	■	■	■	■	■	■
841963	RHS 60x50x3.0	EL8016	6060	T5	6500	MF	10.953	220	220		■	■						

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

RECTANGULAR HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
816414	RHS 63.5x50.8x3.18 RAD	EE3867	6060	T5	6500	MF	12.376	229	229	RAD	■							
933406	RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	WRCT	3.224	157	157	RAD	■	■			■	■	■	■
850051	RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	MF	3.224	157	157	RAD	■	■	■	■		■	■	■
855605	RHS 65x16x1.4 RAD	EQ6948	6060	T5	6500	MF	3.744	156	156	RAD	■	■	■	■	■	■		■
999134	RHS 70x30x2 RAD	EP13680	6063	T5	6500	MF	6.617	195	195	RAD			■					
999141	RHS 70x30x3 RAD	EP13689	6063	T5	6500	MF	9.874	198	198	RAD			■					
815447	RHS 75x50x3.0	EL8017	6060	T5	6500	MF	12.532	250	250		■					■		
989623	RHS 75x50x6.0 RAD	EQ2435	6005A	T5	6500	MF	23.797	240	240	RAD			■					
809142	RHS 76.2x25.4x2.4	EL4238	6060	T5	6500	MF	8.157	203	203		■	■	■	■	■	■	■	■
841068	RHS 76.2x38.1x3.18 RAD	EG4433	6060	T5	6500	MF	12.675	229	229	RAD	■		■	■				
808139	RHS 76.2x50.5x3.2	E01864	6060	T5	6500	MF	13.546	253	253		■	■	■	■	■			■
815907	RHS 76.2x50.8x1.6	EQ1915	6060	T5	6000	MF	6.42	254	254				■					
813774	RHS 80x25x3.0	EL8018	6060	T5	6500	MF	10.426	210	210		■	■	■	■		■	■	■
813775	RHS 80x40x3.0	EL8019	6060	T5	6500	MF	12.005	240	240		■	■	■	■	■	■	■	■
813778	RHS 80x50x3.0	EL8020	6060	T5	6500	MF	13.058	260	260		■	■	■	■	■	■	■	■
854520	RHS 82.55x28.58x2.29	EH5716	6060	T5	6500	MF	8.567	222	222			■						
813781	RHS 100x25x2.5	EL8021	6060	T5	6500	MF	10.53	250	250		■	■	■	■	■	■	■	■
847823	RHS 100x25x1.60	EQ2698	6060	T5	6500	MF	6.845	250	250				■					
841984	RHS 100x40x3.0	EL8023	6060	T5	6500	MF	14.112	280	280		■	■	■					■
815450	RHS 100x50x1.6	EL8024	6060	T5	6500	MF	8.242	299	299	RAD	■		■					
855741	RHS 100x50x2.0	E22160	6060	T5	6500	MF	10.251	300	300				■					
1007948	RHS 100x50x3.0 RAD	E22177	6082	T5	6100	MF – DNV	14.274	298	298	RAD							■	
813788	RHS 100x50x3.0	EL8025	6060	T5	6500	MF	15.164	300	300		■	■	■	■	■	■	■	■
960151	RHS100x50x3 RAD	EME50157	6060	T5	6500	MF	14.762	290	290	RAD		■	■	■				
1002454	RHS 100x50x3.0 RAD	E22177	6082	T5	6000	MF – DNV	14.04	298	298	RAD						■		
1007949	RHS 100x50x6 RAD	EB1592	6082	T5	6100	MF – DNV	26.425	286	286	RAD							■	
954507	RHS 100x50x6 RAD	EB1592	6005A	T5	6500	MF	28.158	286	286	RAD	■	■	■	■	■			■
816925	RHS 101.6x63.5x4 RAD	E02801	6082	T5	6500	MF – DNV	22.211	330	330	RAD						■		
841075	RHS 101.6x76.2x2.29 RAD	EG5074	6060	T5	8000	MF	16.816	346	346	RAD	■		■					
842005	RHS 125x40x3.0	EL8028	6060	T5	6500	MF	16.744	330	330		■	■	■		■			
842006	RHS 125x50x3.0	EL8030	6060	T5	6500	MF	17.791	349	349		■	■						■
947995	RHS 150x50x1.95	EP10494	6060	T5	6500	MF	13.423	399	399				■					
815453	RHS 150x50x3.0	EL8033	6060	T5	6500	MF	20.43	400	400		■	■	■	■	■	■	■	■
1038342	RHS 150x100x5.0 RAD	EP16465	6082	T6	6500	MF-DNV	41.464	483	483	RAD			■				■	

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RECTANGULAR HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
1038717	RHS 150x100x5.0 RAD	EP16465	6082	T6	6000	MF-DNV	38.274	483	483	RAD						■		
999198	RHS 152x76x6 RAD	EP13822	6082	T6	6500	MF	45.006	446	446	RAD			■					
814487	RHS 152.4x38.1x3.2	E01795	6060	T5	6500	MF	20.676	381	381		■							
1012424	RHS 152.5x76.2x6.35 RAD	E22179	6082	T5	6000	MF – DNV	44.46	455	455	RAD						■		
996639	RHS 160x106x6 RAD	EP11556	6351	T5	6000	MF	48.81	521	521	RAD						■		
1016468	RHS 160x106x6 RAD	EP11556	6082	T5	6000	MF	48.81	521	521	RAD							■	
815456	RHS 200x50x3.0	EL8035	6060	T5	6500	MF	25.694	500	500		■	■	■	■	■	■	■	■
814521	RHS 203.20x50.80 RAD	EH3532	6060	T5	6500	MF	45.35	507	507	RAD	■							
817315	RHS 250x50x3.0	E22173	6060	T5	6500	MF	30.953	600	600		■							
836457	RHS 250x50x3.0	E22173	6106	T6	6500	MF	30.960	600	600		■	■	■					
1037862	RHS 300x50x3.0 RAD with centre web	EP15970	6106	T6	6500	MF	38.571	699	699	RAD			■		■			
1032067	RHS 300x50x3.0 RAD with centre web	EP15970	6082	T6	6000	MF	35.604	699	699	RAD						■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

SQUARE HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
986440	Square Hollow 12x1.6	EL8001	6060	T5	1750	MF	0.315	100	100		■							
815380	Square Hollow 12.7x1.57	EH2913	6060	T5	6500	MF	1.229	100	100		■		■	■	■	■		
998321	Square Hollow 16.0x1.75 RAD	EP8516	6063	T5	6500	MF	1.716	100	100	RAD	■							
980715	Square Hollow 16x1.2 RAD	EQ4681	6060	T5	6500	MF	1.209	100	100	RAD			■					
810990	Square Hollow 19x1.6 RAD	EG8354	6060	T5	6500	MF	1.885	100	100	RAD	■		■	■				
811019	Square Hollow 19.05x1.2	EK1333	6060	T5	6500	MF	1.502	100	100		■							
807904	Square Hollow 19.05x1.83 RAD	EG5799	6060	T5	6500	MF	2.21	100	100	RAD	■		■		■			
808166	Square Hollow 20x1.6	E22101	6060	T5	6500	MF	2.074	100	100		■	■	■	■	■	■	■	■
810378	Square Hollow 20x3.0 RAD	E51872	6060	T5	6500	MF	3.438	100	100	RAD		■	■	■				
813750	Square Hollow 20x3.0	EL2299	6060	T5	6500	MF	3.581	100	100		■	■	■	■	■	■	■	
808512	Square Hollow 25x1.6	E22103	6060	T5	6500	MF	2.626	100	100		■	■	■	■	■	■	■	■
842497	Square Hollow 25x2.0 RAD	EN3238	6060	T5	6500	MF	3.231	100	100	RAD	■		■					
807853	Square Hollow 25x3.0 RAD	E22120	6060	T5	6500	MF	4.491	100	100	RAD	■	■	■	■		■	■	■
815441	Square Hollow 25x3.0	EL8003	6060	T5	6500	MF	4.634	100	100		■	■	■	■	■	■	■	■
810372	Square Hollow 25.4x1.2 RAD	E50413	6060	T5	6500	MF	1.93	100	100	RAD			■					
813595	Square Hollow 25.4x3.25 RAD	EG1842	6060	T5	7000	MF	5.439	100	100	RAD					■			
943280	Square Hollow 32x3.0 RAD	EP10014	6060	T5	6500	MF	6.032	123	123	RAD	■		■		■			■
813763	Square Hollow 32x3.0	EL8005	6060	T5	6500	MF	6.11	128	128		■	■	■	■	■	■	■	■
815894	Square Hollow 32x32x2.0	EQ1557	6060	T5	6500	MF	4.212	128	128		■		■		■			
810374	Square Hollow 37.35x2.5 RAD	E51264	6060	T5	6500	MF	5.824	141	141	RAD			■	■				
939032	Square Hollow 38x2	EP9743	6060	T5	6500	MF	5.051	151	151		■							
843824	Square Hollow 38x2.0 RAD	EN9549	6060	T5	6500	MF	4.946	147	147	RAD	■							
841064	Square Hollow 38.1x2.92 RAD	EG2803	6060	T5	6500	MF	7.365	152	152	RAD	■							
815436	Square Hollow 40x1.6	EL7938	6060	T5	6500	MF	4.316	159	159		■	■	■	■	■	■		■
809876	Square Hollow 40x2.0	EQ4000	6060	T5	6500	MF	5.336	160	160				■					
850045	Square Hollow 40x2.0 RAD	EQ6818	6060	T5	6500	MF	5.207	154	154	RAD			■					
867229	Square Hollow 40x2.5	EU7743	6060	T5	6500	MF	6.578	160	160		■							
807851	Square Hollow 40x3.0	E22108	6060	T5	6500	MF	7.787	159	159		■	■	■	■	■	■	■	■
808823	Square Hollow 40x3.0 RAD	E73599	6060	T5	6500	MF	7.702	155	155	RAD	■	■	■	■		■	■	■
1000062	Square Hollow 40x4.0 RAD	EXP0557	6005A	T5	6500	MF	10.043	160	160	RAD			■					

Capral Limited reserves the right to change specifications and stocking locations without notice.

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
808513	Square Hollow 45x2.5	E22109	6060	T5	6500	MF	7.461	180	180		■		■					
938627	Square Hollow 50x1.6 RAD	EQ6446	6060	T5	6500	MF	5.174	189	189	RAD	■		■					
812096	Square Hollow 50x1.6	EQ2259	6060	T5	6500	MF	5.434	200	200		■	■	■	■	■	■		
855759	Square Hollow 50x2.0	EB1003	6060	T5	6500	MF	6.74	200	200		■		■		■			
999191	Square Hollow 50x2.0 RAD	EP12031	6060	T6	6500	MF	6.435	190	190	RAD			■	■				
813768	Square Hollow 50x2.5	EL8008	6060	T5	6500	MF	8.333	200	200		■	■	■		■	■	■	■
976590	Square Hollow 50x3.0 RAD	EP12033	6063	T5	6500	MF	9.49	190	190	RAD			■	■	■			
840340	Square Hollow 50x3.0	EB1004	6060	T5	6500	MF	9.9	200	200		■	■	■	■	■	■	■	■
1003398	Square Hollow 50x4.0 RAD	EXP0750	6063	T5	6500	MF	12.48	190	190	RAD		■						
964226	Square Hollow 50x5 RAD	EP10392	6060	T5	6500	MF	15.672	195	195	RAD				■				
813616	Square Hollow 50.8x2.03 RAD	EK1537	6060	T5	6500	MF	6.623	192	192	RAD	■	■	■	■	■	■	■	■
933409	Square Hollow 50.8x2.03 RAD	EK1537	6060	T5	6500	WRCT	6.624	192	192	RAD	■				■			■
817429	Square Hollow 50.8x3.18 RAD	EL6217	6060	T5	6500	MF	10.478	198	198	RAD	■		■			■		
807750	Square Hollow 50.8x3.2 RAD	E11901	6060	T5	6500	MF	10.387	195	195	RAD	■	■	■	■		■	■	
884684	Square Hollow 50.80x4.0 RAD	EP7619	6082	T5	6500	MF	12.708	194	194	RAD		■	■					
999832	Square Hollow 62x5 RAD	EP13805	6005A	T5	6800	MF	20.427	238	238	RAD			■					
849871	Square Hollow 65x2.5	EQ6382	6060	T5	6500	MF	10.965	259	259		■		■					
812251	Square Hollow 65x3.0 RAD	EU2011	6060	T5	6500	MF	13.058	251	251	RAD	■	■	■	■	■	■	■	■
849548	Square Hollow 75x3.0 RAD	EQ6032	6060	T5	6500	MF	14.755	290	290	RAD	■	■	■	■	■	■	■	■
912600	Square Hollow 75x3.0	EXP0149	6060	T5	6500	MF	15.217	290	290		■							
999476	Square Hollow 76.2x3 RAD	EP11531	6082	T6	6200	MF – DNV	14.316	294	294	RAD			■			■		
848221	Square Hollow 76x6.35 RAD	EQ4171	6082	T6	6000	MF	26.388	277	277	RAD	■	■	■	■	■	■	■	■
875905	Square Hollow 76.2x6.35 RAD	EQ4171	6106	T6	6500	MF	28.587	277	277	RAD			■					
985703	Square Hollow 76.2x6.35 RAD	E11077	6005A	T5	6500	MF	28.704	277	277	RAD			■					
998277	Square Hollow 80x6 RAD	E22129	6082	T5	6000	MF – DNV	28.818	320	320	RAD	■					■		
1007947	Square Hollow 80x6 RAD	E22129	6082	T5	6100	MF – DNV	29.298	320	320	RAD							■	
836420	Square Hollow 100x3.0 RAD	E22119	6060	T5	6500	MF	20.397	398	398	RAD	■	■	■	■	■	■	■	■
1000143	Square Hollow 100x3.0	EXP0564	6060	T5	6500	MF	20.423	398	398				■					
1014820	Square Hollow 100x3.2 RAD	EXP1173	6063	T5	6500	MF	2.607	163	163	RAD			■					
973887	Square Hollow 100x4.5 RAD	EP11740	6061	T6	6500	MF	29.185	384	384	RAD		■						
999146	Square Hollow 100x6.0 RAD	EP13751	6005A	T5	6500	MF	38.981	389	389	RAD			■					
999634	Square Hollow 100x6.0 RAD	EP13662	6082	T5	6000	MF	35.046	389	389	RAD			■					
999400	Square Hollow 100x6.0 RAD	EP13662	6005A	T5	10500	MF	61.331	389	389	RAD			■					
815375	Square Hollow 101.6x6.35 RAD	EG7152	6082	T5	6500	MF	40.638	384	384	RAD	■	■	■	■	■			■
1013329	Square Hollow 101.6x6.35 RAD	EG7152	6082	T5	6500	MF – DNV	40.638	384	384	RAD							■	
999469	Marine Square Hollow 178x9 RAD	EP4953	6082	T5	5000	MF – DNV	81.68	698	698	RAD						■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

TEE SECTIONS

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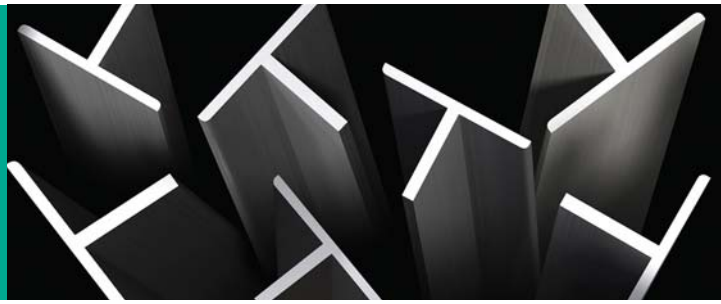

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
811108	Tee 20x20x1.6	EK9140	6060	T5	4000	MF	0.664	100	100		■	■	■	■	■			
841498	Tee 20x20x3.0	EK9141	6060	T5	4000	MF	1.2	100	100		■	■						
813705	Tee 25x25x1.6	EK9142	6060	T5	6500	MF	1.359	100	100		■	■	■	■	■	■	■	■
841506	Tee 25x25x3.0	EK9143	6060	T5	6500	MF	2.477	100	100		■	■	■		■	■	■	
816732	Tee 32x54x4.0 RAD	E20264	6082	T5	6000	MF – DNV	5.424	169	169	RAD						■		
814853	Tee 35x50x3.0 RAD	EU9284	6082	T6	6000	MF – DNV	4.05	167	167	RAD						■		
817085	Tee 35x128x8/5 RAD	EP3724	6082	T6	6000	MF – DNV	14.346	320	320	RAD						■		
817053	Tee 35x128x8/5 RAD	EP3724	6082	T6	9600	MF – DNV	22.954	320	320	RAD						■		
807880	Tee 38x63 RAD	E71996	6060	T5	6000	MF	9.978	198	198	RAD						■		
812165	Tee 38.1x38.1x3.18	EH2926	6060	T5	5500	MF	3.448	152	152							■		
809447	Tee 40x20x1.5	E20215	6060	T5	6500	MF	1.534	120	120		■							
810132	Tee 40x40x1.6	EL5287	6060	T5	6500	MF	2.204	100	160		■	■	■	■	■	■		
813708	Tee 40x40x3.0	EK9144	6060	T5	6500	MF	4.056	160	160		■	■	■	■	■	■	■	■
812492	Tee 40x40x4.0 RAD	EU9187	6082	T6	6000	MF – DNV	5.022	156	156	RAD						■		
1014987	Tee 45x100 RAD	EU7074	6082	T6	7250	MF – DNV	16.189	286	286	RAD						■		
808462	Tee 50x25x1.6	E20212	6060	T5	6500	MF	2.054	100	150		■		■	■	■			
1002476	Tee 50x35x2 RAD	EA2071	6082	T6	6000	MF – DNV	2.748	166	166	RAD						■		
815047	Tee 50x50x4.0 RAD	E20219	6082	T6	6000	MF	6.318	195	195	RAD	■		■		■			
1007939	Tee 50x50x4.0 RAD	E20219	6082	T5	6082	MF – DNV	6.429	195	195	RAD							■	
815046	Tee 50x50x6.0 RAD	E20205	6082	T6	6000	MF	9.312	196	196	RAD	■		■	■			■	■
812276	Tee 50x60 RAD	EU6368	6082	T6	6000	MF – DNV	8.472	216	216	RAD						■		
1007943	Tee 50x60 RAD	EU6368	6082	T6	6100	MF – DNV	8.613	216	216	RAD							■	
811412	Tee 50x70 RAD	EN5331	6082	T6	6000	MF – DNV	10.608	236	236	RAD						■		
1007952	Tee 50x70 RAD	EN5331	6082	T5	6100	MF – DNV	10.785	236	236	RAD							■	

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MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
812452	Tee 50x156x6.0 RAD	EU8408	6082	T6	6000	MF – DNV	19.554	408	408	RAD						■		
808127	Tee 80x139 RAD	EU7545	6082	T6	6000	MF – DNV	21.672	429	429	RAD						■		
808120	Tee 80x163 RAD	EN5218	6082	T6	6000	MF – DNV	23.622	477	477	RAD						■		
808131	Tee 80x208 RAD	EU8406	6082	T6	6000	MF – DNV	30.06	571	571	RAD						■		
1008876	Tee 100x45 RAD	EU7074	6082	T6	9650	MF – DNV	21.548	286	286	RAD						■		
809827	Tee 100x308x8/5 RAD	E27297	6082	T6	6000	MF – DNV	37.686	806	806	RAD						■		
1002466	Tee 120x370 RAD	E25760	6082	T6	9600	MF – DNV	87.773	971	971	RAD						■		
1002474	Tee 120x402x12/6 RAD	EP10656	6082	T6	10800	MF – DNV	110.99	1034	1034	RAD						■		

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

I BEAMS - GEOMETRIC

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
998273	I-Beam 100x75 RAD	EP5402	6082	T6	6500	MF – DNV	23.979	463	463	RAD	■					■		
841161	I-Beam 101.6x76.2 RAD	EG6460	6061	T6	6000	MF	23.748	482	482	RAD	■	■		■				
998274	I-Beam 130x80 RAD	E22015	6082	T6	6500	MF – DNV	27.521	553	553	RAD	■					■		
999814	I-Beam 140x90x8 RAD	EAL11335	6082	T5	5500	MF	36.02	603	603	RAD			■					
881123	I-Beam 152.4x101.6	E05679	6082	T6	8000	MF	64.624	687	687					■				
1011550	I-Beam 165.1x101.6x5.6x7.9 RAD	EP13969	6005A	T5S	6780	MF	45.141	699	699	RAD		■						
808125	I-Beam 176x80 RAD	EU7083	6082	T6	6000	MF – DNV	34.014	650	650	RAD						■		
1011138	I-Beam 190.5x111.1x5.85x8.9 RAD	EP13970	6005A	T5S	7930	MF	64.344	786	786	RAD		■						
808121	TLD I-Beam 216x80 RAD	EN5219	6082	T6	6000	MF – DNV	38.196	725	725	RAD	■					■		
812403	I-Beam 220x100x5.0x10.0 RAD	EU8404	6082	T6	6000	MF – DNV	48.822	823	823	RAD						■		
809858	I-Beam 270x100	E27501	6082	T6	6000	MF – DNV	57.018	916	916		■					■		
808130	I-Beam 316x150x6.0x8.0 RAD	EU8405	6082	T6	6000	MF – DNV	68.544	1209	1209	RAD						■		

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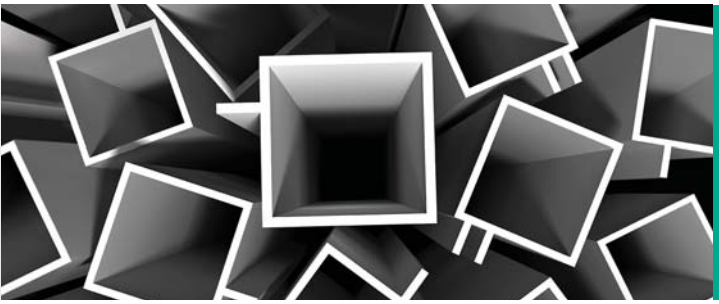
QUBELOK EXTRUSIONS



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
811556		Qubelok 25.4x25.4 7.5mm Receptor	EN9673	6060	T5	6000	MF	2.346	114	143	RAD	■	■						
954283		Qubelok 25.4x25.4 One Leg	ET7200	6060	T5	6500	15um T25 BK	2.249	114	114		■							
861816		Qubelok 25.4x25.4 One Leg	ET7200	6060	T5	6500	15um CLR	2.249	114	114			■	■	■		■		
808021		Qubelok 25.4x25.4 One Leg	ET7200	6060	T5	6500	MF	2.249	114	114		■		■	■		■		■
954282		Qubelok 25.4x25.4x1.2 RAD	EH4487	6060	T5	6500	15um T25 BK	2.061	100	100	RAD	■	■	■	■	■			
964027		Qubelok 25.4x25.4x1.2 RAD	EH4487	6060	T5	6500	BLDKS GN150A	2.061	100	100	RAD			■			■		
807906		Qubelok 25.4x25.4x1.2 RAD	EH4487	6060	T5	6500	MF	2.061	100	100	RAD	■	■	■	■	■	■	■	■
861601		Qubelok 25.4x25.4x1.2 RAD	EH4487	6060	T5	6500	15um CLR	2.061	100	100	RAD	■	■	■	■		■		
861948		Qubelok 25.4x25.4x1.2 RAD	EH4487	6060	T5	6500	PWG GA078A	2.061	100	100	RAD	■		■	■	■			

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

QUBELOK ACCESSORIES

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
302401		Adjustable Foot		0		0.01		■							
302303		Inserts into MNTC006 (Pk=100)		0		0.03		■							
302198		Endcap 50 SQ Nylon (Pk=100)		0		0.021		■							
308811		Insert Square Suits 50.8x50.8x2.0-3.2		0		0.01					■	■			
300333		Qubelok 2 Leg P20 Connector BK		0		0.024		■	■	■	■	■	■	■	■
300334		Qubelok 3 Leg P30 Connector BK		0		0.033		■	■	■	■	■	■	■	■
300335		Qubelok 3 Leg P31 Connector BK		0		0.033		■	■	■	■	■	■	■	■
300336		Qubelok 4 Leg P40 Connector BK		0		0.044		■	■	■	■	■	■	■	■
300337		Qubelok 4 Leg P41 Connector BK		0		0.044		■	■	■	■	■	■		
300338		Qubelok 5 Leg P50 Connector BK		0		0.048		■	■	■	■	■	■	■	■
300339		Qubelok 6 Leg P60 Connector BK		0		0.052		■	■	■	■	■			
300341		Qubelok Castor P13 Colour BK		0		0.072		■	■	■	■		■		
300342		Qubelok Castor Socket P15 BK		0		0.01		■	■	■	■		■		
300340		Qubelok Endcap 25sq Plastic BK		0		0.003		■	■	■	■	■	■	■	■
301504		Black Plastic		0		0.035					■				
301553		Black Plastic		0		0.01					■				

Capral Limited reserves the right to change specifications and stocking locations without notice.

MOULDS AND TRIMS

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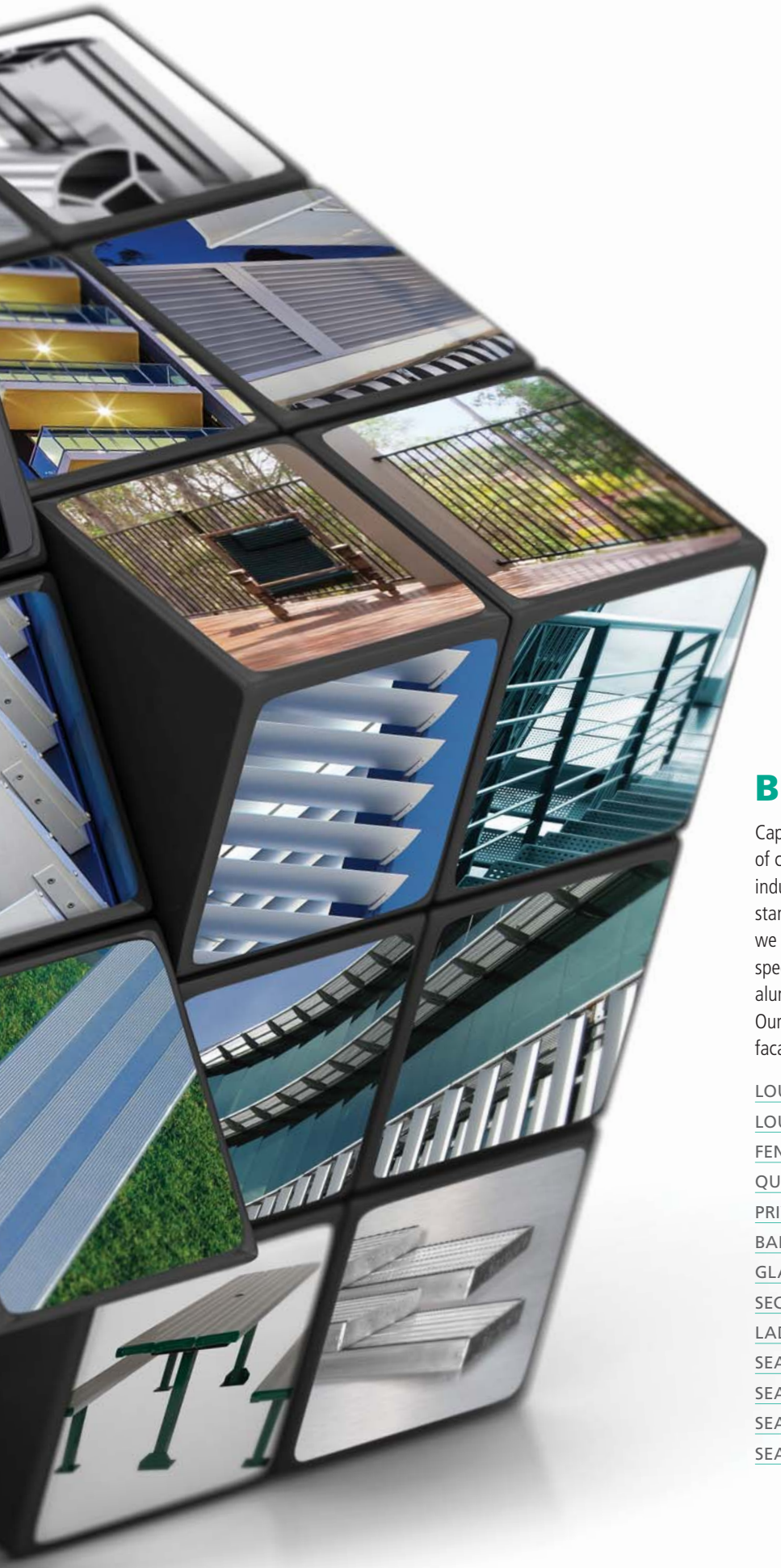
MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
841153		Crescent Mould 15.88x4.75 RAD	EG6444	6060	T1	4000	MF	0.488	100	100	RAD			■					
808373		Moulding Windscreen U FIN 19.06x10.88	EH1600	6060	T1	5000	MF	1.33	100	100		■	■	■	■	■		■	
810996		Table Edge 20.62x6.73 RAD	EH2351	6060	T1	4000	MF	0.4	100	100	RAD	■		■					
1022474		Wallboard Trim 26.97x6.43 GAP 3.96	EH3038	6060	T1	5000	MF	0.57	100	100			■						
810998		Wallboard Edge 21.29x8 5.5 GAP	EH2919	6060	T5	5010	MF	0.46	100	100			■			■			
808372		J-Trim 23.8x12.7	EG6454	6060	T1	4000	MF	0.616	100	100		■	■			■	■	■	
979788		Pine Board Channel 25x20.5 GAP 16.5	EQ6354	6060	T5	6500	15um CLR	2.158	100	140				■	■				
813599		Crescent Mould 25.4x4.75 RAD	EG6449	6060	T1	4000	MF	0.752	100	100	RAD	■		■	■		■	■	
810985		Angle 25.4x25.4x1.6 Fluted	EG6459	6060	T1	4000	MF	0.928	106	106				■					
808736		Table Edge 27.7x12.7 RAD	EE3388	6060	T1	4000	MF	1.236	100	100	RAD	■	■	■	■	■	■	■	
835868		Table Edge 27.75x11.95 RAD	E06255	6060	T5	4000	MF	1.02	100	100	RAD		■						
906878		Slat Wall 28x13.5	EME31156	6060	T5	2400	MF	0.442	100	136			■			■			
811534		Slat Wall 28x13.7	EN8354	6060	T5	2400	MF	0.482	100	128		■							
808198		Table Edge 29.36x5.92	EG2500	6060	T1	4000	MF	0.52	100	100		■		■	■	■	■		
984493		Toilet Partition Channel 13mm 30x20.6	EP12116	6060	T5	5500	10um CLR	3.086	165	165				■					
810983		Crescent Mould 31.75x4.75 RAD	EG6448	6060	T1	4000	MF	0.984	100	100	RAD			■	■				
850203		Ticket Strip 31.75	ET2436	6060	T5	3657	MF	0.651	100	100		■							
971784		Caravan Trim 31.75x16.25	ET6847	6060	T1	5000	PWG GA078A	1.095	100	110			■	■					
964754		Caravan Trim 31.75x16.25	ET6847	6060	T1	5000	BS GN150A	1.095	100	110			■	■					
970101		Ticket Strip 37x24	E36850	6060	T5	6240	MF	1.566	100	122			■						
808386		Stair Tread Edge 38.1x4	E00161	6060	T1	4000	MF	1.28	100	100		■		■	■	■			
808744		Crescent Mould 38.1x4.75 RAD	EH2989	6060	T1	4000	MF	1.188	100	100	RAD	■		■			■	■	
808326		H-Trim 38.1x12.7 GAP	ET2894	6060	T5	4000	MF	0.92	140	140		■		■					
808734		Stair Tread Bull Nose 46.02x15.06	EE2611	6060	T5	4000	MF	1.68	123	123		■	■	■	■	■	■	■	

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

MOULDS AND TRIMS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
838822		Bus Stair Tread 51x35	E53450	6060	T5	4000	MF	1.772	100	178				■					
993392		Stair Tread 250x50	EP13182	6106	T6	6050	MF	18.531	738	1107				■					
807735		Tee Ceiling 36.5x36.5x1.15	E05080	6060	T5	5490	MF	1.356	100	145							■		
809571		ZED 22x19x19x3.0	E22084	6060	T5	6500	MF	2.84	114	114		■		■	■				
813489		Door Track	EW3931	6106	T6	6000	MF	3.18	202	202	RAD						■		
881369		UNV Fixing Bracket 3mm Wall Beams	EP7234	6106	T6	4000	MF	7.364	241	241	RAD	■							
1010519		40mm Fixing Bracket 49x50x4	EP14150	6106	T6	6500	MF	9.536	191	286				■					
809630		Stair Tread 250x38	E25493	6063	T6	6050	MF	16.94	350	1014				■	■				■
810992		Trim Wallboard Edge	EH1553	6060	T5	4000	15um CLR	0.368	100	100		■		■	■				
314792		Cornerstake 43mm Suit EK1537	EK1537			43		0.205				■		■		■	■		
891237		ZED 22.2x25.4x22.2x3.2	E73639	6060	T5	6000	MF	3.282	133	133				■					
994242		Top Hat 90x22.5x2.5	EP13338	6063	T5	6500	MF	5.681	176	264			■	■					
995790		Cladding Top Hat 90x25	EP7926	6063	T5	6500	MF	5.896	275	275			■						
971842		Cladding Top Hat 90x25	EP7926	6060	T5	6500	MF	5.896	275	275				■					

Capral Limited reserves the right to change specifications and stocking locations without notice.



BUILDING MATERIALS

Capral Aluminium is in partnership with a diverse range of customers across the Building and Construction industries. In addition to our comprehensive range of standard geometric extrusions and flat products, we supply a wide range of extrusions designed for the specific production and installation of roof cladding, aluminium fencing, balustrades, louvres and screening. Our capability extends to all matter of commercial facades and architectural work.

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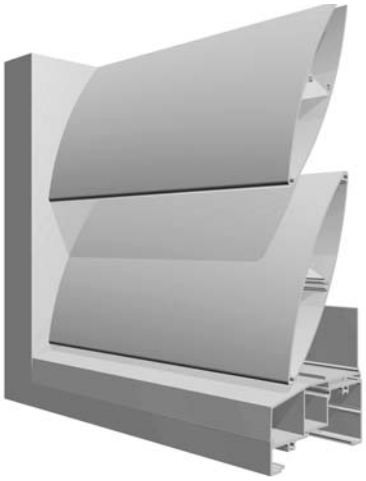
LOUVRE BLADES SPECIFICATIONS

Capral's range of extruded louvre blades cater for a variety of ventilation, shading and aesthetic requirements.

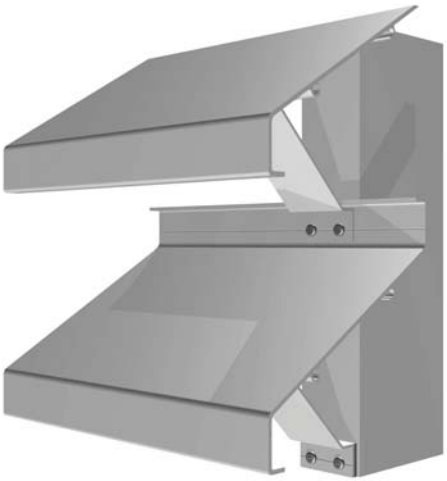
Supported by a variety of different frame and bracket options, Capral's extruded louvre range can either be built into walls, similar to glazed systems, or alternatively fixed to the outside of the building structure.

FEATURES AND BENEFITS

- Available in a large range of straight, throated, boxed and elliptical louvres profiles
- Can be retrofitted into Capral's framing systems and door suites to further extend potential uses
- Can provide weather screening depending on blade pitch and assembly technique
- Possible uses include:
  - Architectural screening of mechanical plant
  - Screening and fencing elements
  - Mechanical heating/cooling ventilation systems.

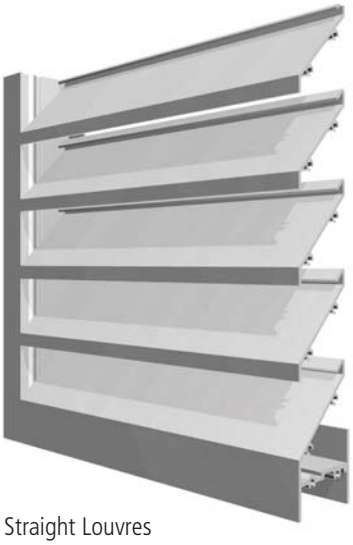


Elliptical Louvres

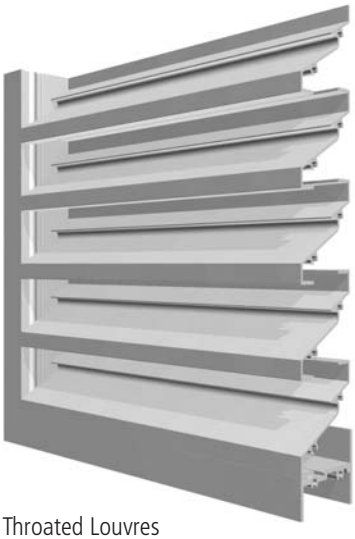


Bracket Fixed Straight Louvres

Boxed louvres



Straight Louvres

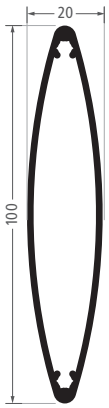


Throated Louvres

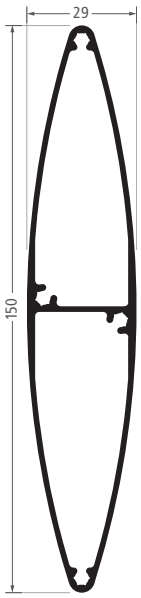
LOUVRE BLADES SPECIFICATIONS

ELLIPTICAL BLADES

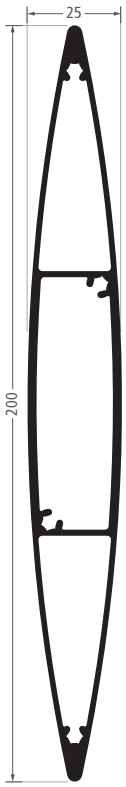
EPD0262
67mm ELLIPTICAL BLADE
Paint Perimeter: 144mm
Anodised Perimeter: 144mm



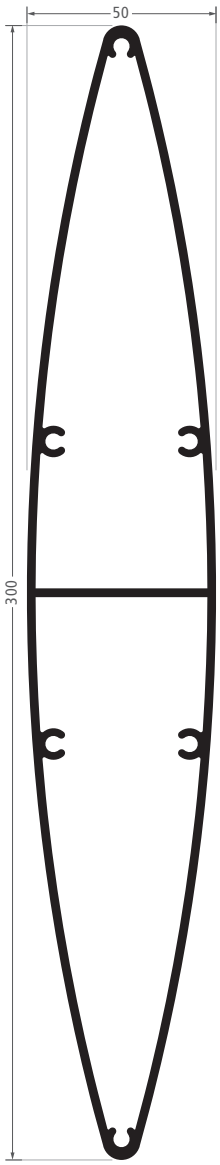
EP7682
100mm ELLIPTICAL BLADE
Paint Perimeter: 210mm
Anodised Perimeter: 210mm



EP9282
150mm ELLIPTICAL BLADE
Paint Perimeter: 312mm
Anodised Perimeter: 312mm

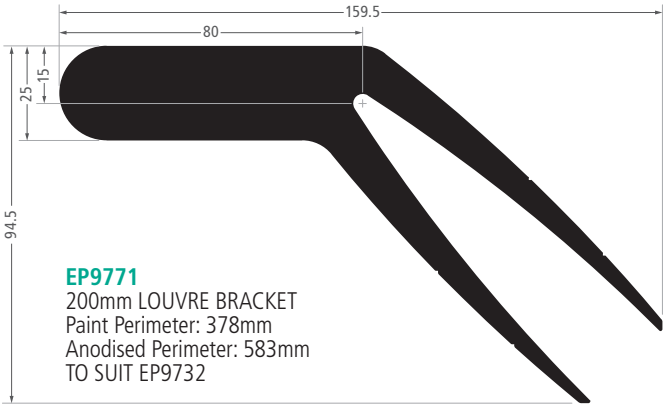


EP9732
200mm ELLIPTICAL BLADE
Paint Perimeter: 408mm
Anodised Perimeter: 408mm

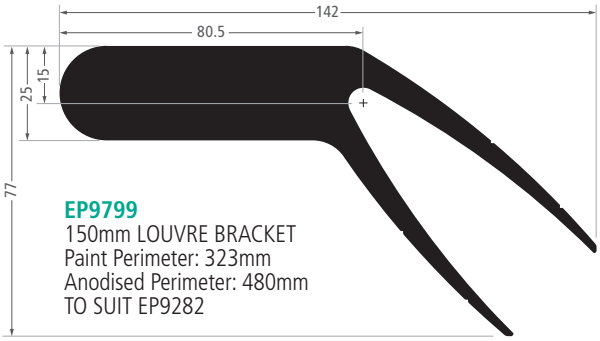


EP11641
300mm ELLIPTICAL BLADE
Paint Perimeter: 619mm
Anodised Perimeter: 619mm

LOUVRE BRACKETS



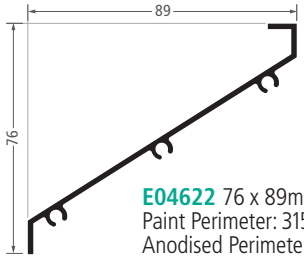
EP9771
200mm LOUVRE BRACKET
Paint Perimeter: 378mm
Anodised Perimeter: 583mm
TO SUIT EP9732



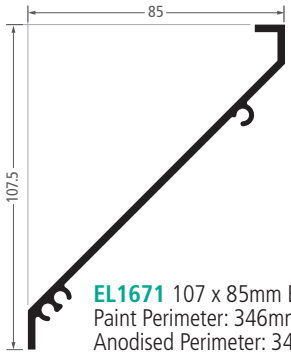
EP9799
150mm LOUVRE BRACKET
Paint Perimeter: 323mm
Anodised Perimeter: 480mm
TO SUIT EP9282

LOUVRE BLADES SPECIFICATIONS

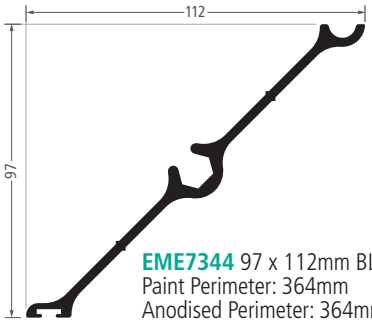
STRAIGHT BLADES



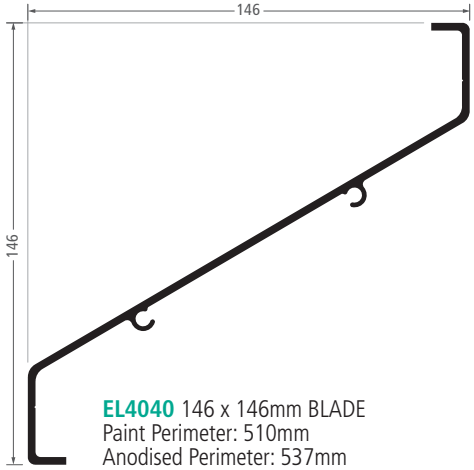
E04622 76 x 89mm BLADE
Paint Perimeter: 315mm
Anodised Perimeter: 315mm



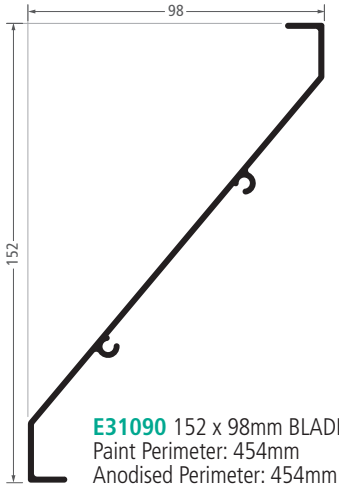
EL1671 107 x 85mm BLADE
Paint Perimeter: 346mm
Anodised Perimeter: 346mm



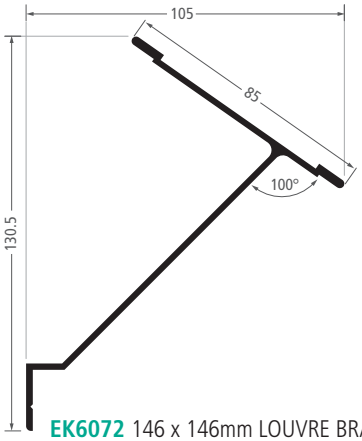
EME7344 97 x 112mm BLADE
Paint Perimeter: 364mm
Anodised Perimeter: 364mm



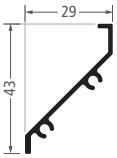
EL4040 146 x 146mm BLADE
Paint Perimeter: 510mm
Anodised Perimeter: 537mm



E31090 152 x 98mm BLADE
Paint Perimeter: 454mm
Anodised Perimeter: 454mm

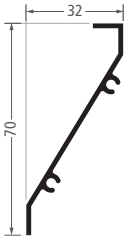


EK6072 146 x 146mm LOUVRE BRACKET
Paint Perimeter: 358mm
Anodised Perimeter: 444mm

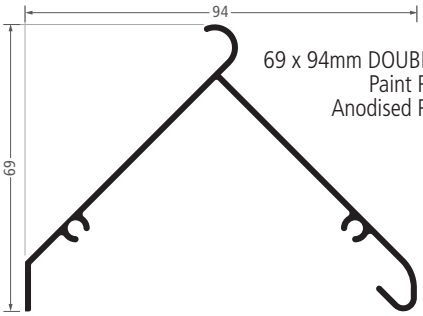


EAL7018
43 x 29mm BLADE
Paint Perimeter: 144mm
Anodised Perimeter: 144mm

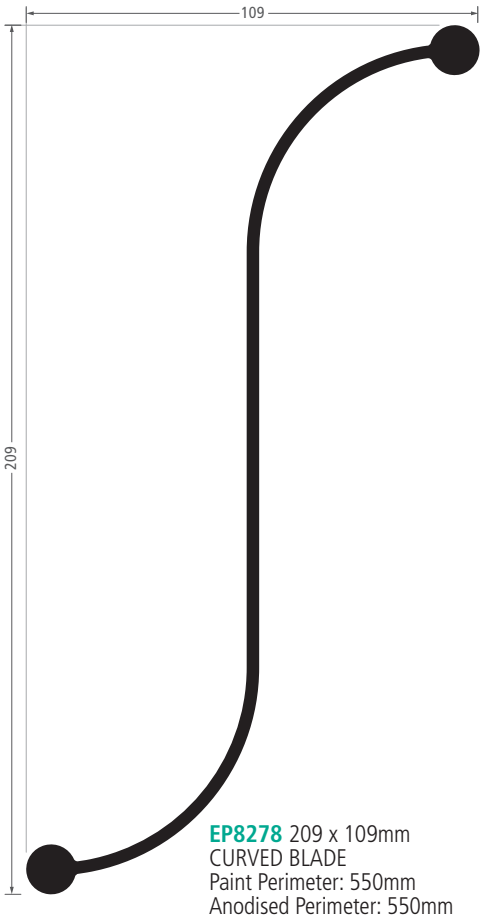
EL2096
63 x 46mm BLADE
Paint Perimeter: 171mm
Anodised Perimeter: 217mm



E71119
70 x 32mm BLADE
Paint Perimeter: 204mm
Anodised Perimeter: 204mm



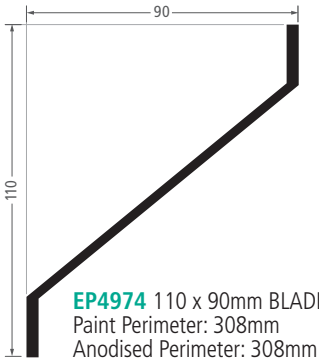
E53522
69 x 94mm DOUBLE SIDED LOUVRE
Paint Perimeter: 202mm
Anodised Perimeter: 388mm



EP8278 209 x 109mm
CURVED BLADE
Paint Perimeter: 550mm
Anodised Perimeter: 550mm

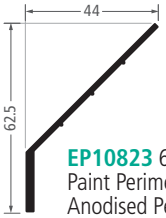
LOUVRE BLADES SPECIFICATIONS

STRAIGHT BLADES (CONT)

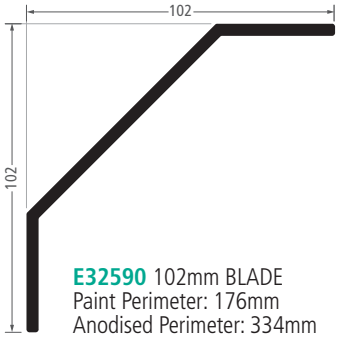


EP4974 110 x 90mm BLADE
Paint Perimeter: 308mm
Anodised Perimeter: 308mm

EP8686 44 x 83mm BLADE
Paint Perimeter: 204mm
Anodised Perimeter: 204mm

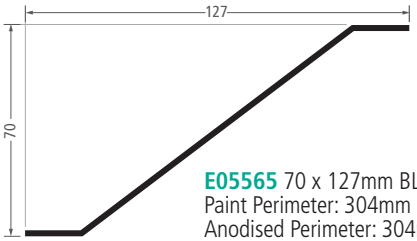


EP10823 62.5 x 44mm BLADE
Paint Perimeter: 166mm
Anodised Perimeter: 166mm



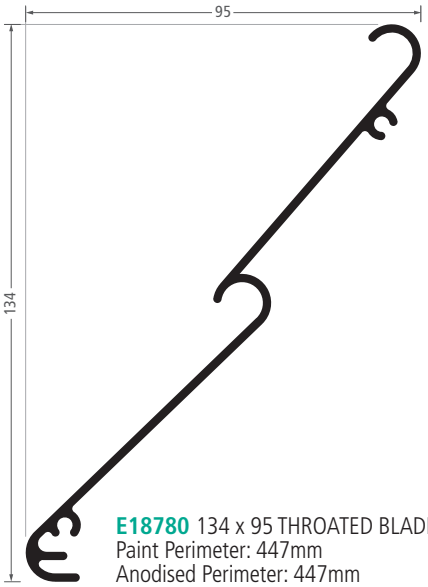
E32590 102mm BLADE
Paint Perimeter: 176mm
Anodised Perimeter: 334mm

EME6811 36 x 25mm BLADE
Paint Perimeter: 100mm
Anodised Perimeter: 100mm

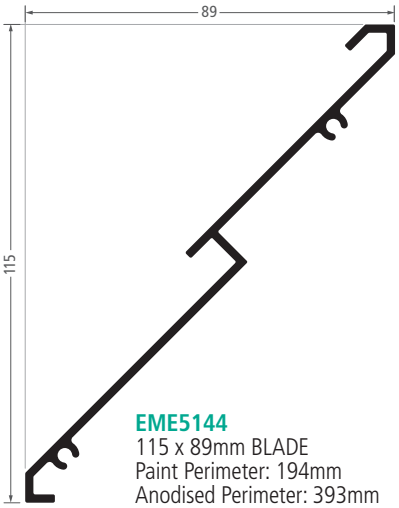


E05565 70 x 127mm BLADE
Paint Perimeter: 304mm
Anodised Perimeter: 304mm

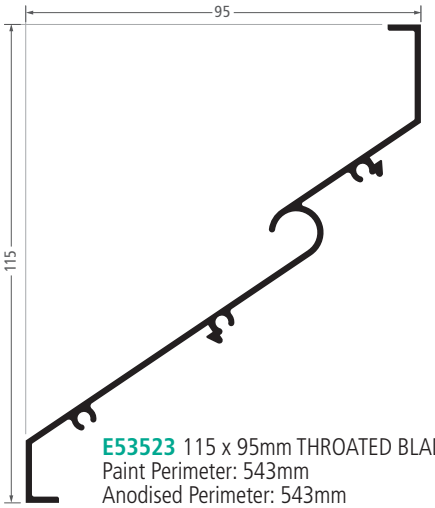
THROATED BLADES



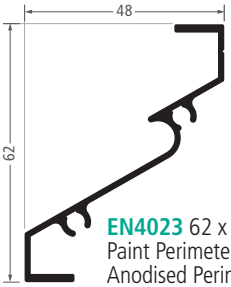
E18780 134 x 95 THROATED BLADE
Paint Perimeter: 447mm
Anodised Perimeter: 447mm



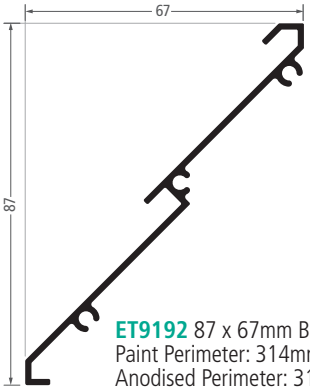
EME5144
115 x 89mm BLADE
Paint Perimeter: 194mm
Anodised Perimeter: 393mm



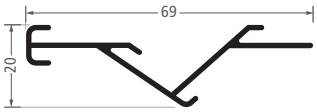
E53523 115 x 95mm THROATED BLADE
Paint Perimeter: 543mm
Anodised Perimeter: 543mm



EN4023 62 x 48mm THROATED BLADE
Paint Perimeter: 182mm
Anodised Perimeter: 258mm



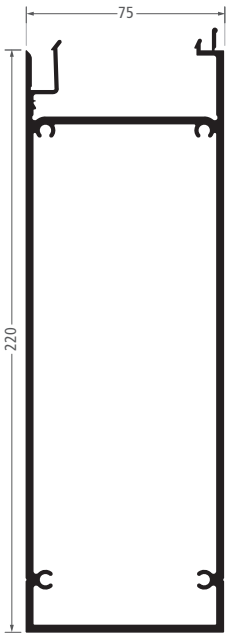
ET9192 87 x 67mm BLADE
Paint Perimeter: 314mm
Anodised Perimeter: 314mm



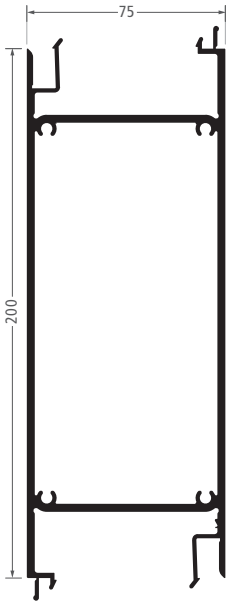
EA1148 62 x 47.5mm BLADE
Paint Perimeter: 234mm
Anodised Perimeter: 234mm

LOUVRE BLADES SPECIFICATIONS

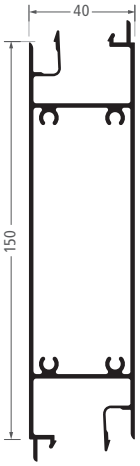
BOX LOUVRES



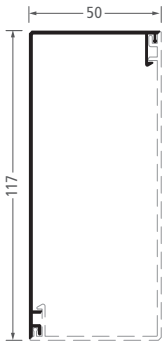
EP15126
75mm BOX LOUVRE END
Paint Perimeter: 496mm
Anodised Perimeter: 744mm



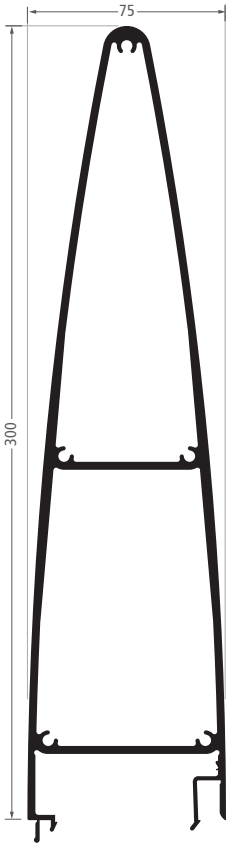
EP15125
75mm INTERMEDIATE
BOX LOUVRE
Paint Perimeter: 570mm
Anodised Perimeter: 855mm



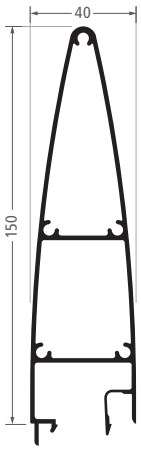
EP13263
40mm INTERMEDIATE
BOX LOUVRE
Paint Perimeter: 432mm
Anodised Perimeter: 647mm



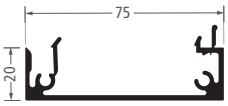
EQ7013
117 x 50mm S/M
BOX LOUVRE
Paint Perimeter: 165mm
Anodised Perimeter: 381mm



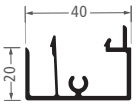
EP15124
75mm BOX LOUVRE
BULLNOSE
Paint Perimeter: 615mm
Anodised Perimeter: 842mm



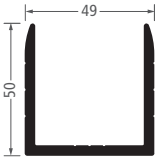
EP13373
40mm BOX LOUVRE
BULLNOSE
Paint Perimeter: 321mm
Anodised Perimeter: 481mm



EP15127
75mm BOX LOUVRE END SNAP
Paint Perimeter: 232mm
Anodised Perimeter: 347mm

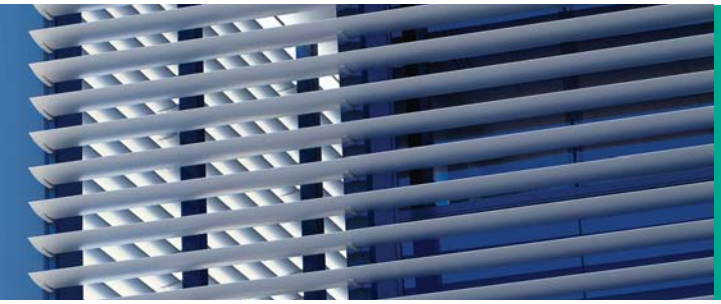


EP13264
40mm BOX LOUVRE END SNAP
Paint Perimeter: 179mm
Anodised Perimeter: 268mm



EP14150
40mm BOX LOUVRE CHANNEL
Paint Perimeter: 191mm
Anodised Perimeter: 286mm

LOUVRE BLADES



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
936509		Louvre Blade 25x5	EME31695	6060	T5	4000	20um T25 BK	0.576	100	100	RAD					■			
993934		BL40 - Louvre End Snap 20mm	EP13264	6060	T5	6500	MF	3.764	179	268	RAD			■					
897005		Louvre Blade 48x38.1	EAL3590	6060	T5	4000	10um CLR	1.584	100	181	RAD					■			
811332		Louvre ZZ Blade 62Hx48D	EN4023	6060	T5	6500	MF	3.809	182	258		■	■	■	■		■		
932626		Louvre ZZ Blade 62Hx48D	EN4023	6060	T5	6500	20um CLR	3.809	182	258				■					
952634		Louvre L - Blade 58.22x20	EP10823	6060	T5	6500	MF	3.179	166	166	RAD			■					
932625		Louvre Z Blade 63Hx46D	EL2096	6060	T5	6500	20um CLR	3.952	171	217	RAD	■		■					
811145		Louvre Z Blade 63Hx46D	EL2096	6060	T5	6500	MF	3.952	171	217	RAD	■	■	■	■		■		
896187		Louvre Sun Control Blade 67x15	EPD0262	6060	T5	6500	MF	3.543	144	144				■					
986670		Plain Frame Filler 70x7.5	E32173	6060	T5	6500	20um CLR	2.425	100	171			■	■		■			
808181		Plain Frame Filler 70x7.5	E32173	6060	T5	6500	MF	2.424	100	171		■	■	■	■	■	■	■	
807879		Louvre Z Blade 70Hx32D	E71119	6060	T5	6500	MF	2.912	204	204	RAD	■	■	■			■		
838842		Louvre Frame 75.5x54.6x1.6 TO E53423	E53524	6060	T5	6500	MF	4.16	155	299				■					
885422		Plain Frame 76x25 TO E32173	EP7683	6060	T5	6500	MF	5.285	132	304		■	■	■	■		■		
932627		Louvre 32.37° Z Blade 76.2Hx88.9D	E04622	6060	T5	6500	20um CLR	5.038	315	315				■					
808403		Louvre 32.37° Z Blade 76.2Hx88.9D	E04622	6060	T5	6500	MF	4.972	315	315		■	■	■			■		
868374		Louvre 32.37° Z Blade 76.2Hx88.9D	E04622	6060	T5	6500	25um CLR	4.973	315	315		■							
906794		Plain Frame Filler 82.55X TO EK7485	EK5846	6060	T5	6500	20um CLR	4.388	100	207					■				
811029		Plain Frame Filler 82.55X TO EK7485	EK5846	6060	T5	6500	MF	4.388	100	207					■				
888542		Louvre Elliptical Blade 100x20	EP7682	6060	T5	6500	MF	6.721	210	210	RAD	■	■	■	■	■	■		■
906796		Plain Frame 100x25 TO EK5846	EK7485	6060	T5	6500	20um CLR	6.825	167	392					■				
811066		Plain Frame 100x25 TO EK5846	EK7485	6060	T5	6500	MF	6.825	167	392					■				
811122		Louvre Type L - 45° Z Blade 107.43Hx85D	EL1671	6060	T5	6500	MF	7.397	311	346		■	■	■			■		
811120		Louvre Type L - 45° Z Blade 107.43Hx85D	EL1671	6060	T5	6500	20um CLR	7.397	311	346		■		■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

LOUVRE BLADES

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
911781		Louvre Curved Blade 112.4x20	EP8707	6060	T5	6500	MF	7.261	250	250				■					
838841		Louvre ZZ Blade 115Hx95D	E53523	6060	T5	6500	MF	5.967	435	435				■					
841338		Louvre Type K Bracket 125x85.2 to EL4040	EK6072	6060	T5	6500	MF	8.281	358	444		■	■	■					
809258		Louvre ZZ Blade 134Hx95D	E18780	6060	T5	6500	MF	8.222	447	447				■					
939081		150mm Elliptical Louvre mount to EP9282	EP9799	6060	T5	3000	MF	21.321	323	480		■	■	■					
811165		Louvre Type K - Z Blade 146Hx146D to EK6072	EL4040	6060	T5	6500	MF	11.739	510	537	RAD	■	■	■					
937244		Louvre Elliptical Blade 150x29	EP9282	6060	T5	6500	MF	10.14	312	312	RAD	■		■					
993938		BL40 - Louvre Intermediate Box 150mm	EP13263	6060	T5	6500	MF	15.217	432	647	RAD			■					
938851		200mm Elliptical Louvre Mount to EP9732	EP9771	6060	T5	3000	MF	27.243	378	583			■	■					
890508		Louvre Curved Blade 162.4x25	EP7919	6060	T5	6500	MF	10.075	351	351				■					
939734		Louvre Elliptical Blade 200x25	EP9732	6060	T5	6500	MF	15.412	408	408		■		■					
975027		Louvre Elliptical Blade 300x50	EP11641	6060	T5	6000	MF	28.422	619	619	RAD			■					
860754		Gate Frame L 40x40x2	EP6658	6060	T5	6500	MF	5.33	159	159				■	■				
1021239		Louvre Infill 45x33	EP14309	6060	T5	6500	MF	4.875	197	295				■					
849677		Gate Track 60x18	EQ6210	6060	T5	6000	MF	6.21	100	147				■	■				
1021201		Louvre L Blade 60x20	EP13688	6060	T5	6500	MF	2.607	163	163				■					
954069		Louvre L Blade 79x15	EAL23923	6060	T5	6500	MF	2.451	161	161									■
999088		Gate Track 80x20	EP13666	6060	T6	6000	MF	7.572	146	218				■					
999087		Louvre Elliptical Blade 88x14	EP13686	6063	T5	6500	MF	5.33	186	186				■					
998461		Louvre Elliptical 100x20 Blade	EP13678	6063	T5	6500	MF	7.222	209	209				■					
1003782		Louvre Centre Blade 100x45	EP14023	6060	T5	6500	MF	11.622	363	544				■					
999080		Louvre Elliptical 120x20	EXP0415	6063	T5	6500	MF	8.346	248	248				■					
998460		Louvre Blade 130x90x1.50	EP13764	6063	T5	6500	MF	5.876	436	436				■					
999086		Louvre Elliptical Blade 150x30	EP13684	6063	T5	6500	MF	11.297	313	313				■					
1000233		Louvre Blade 150x45	EP14308	6063	T5	6500	MF	16.049	358	537				■					
999908		Louvre 150x45 Self Mating Centre Blade	EP13691	6063	T5	6500	MF	15.737	456	684				■					

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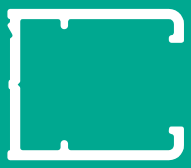
FENCES AND GATES

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
811746		Horizon 16mm Baluster	EP2976	6060	T5	5400	MF	1.22	100	100	RAD	■							
892119		Series 40 16 Diameter Baluster	EP8000	6060	T5	6500	MF	1.703	100	100		■							
893382		Horizon 19mm Box Baluster	EP8082	6060	T5	6500	MF	2.126	100	100					■				
810990		Square Hollow 19x1.6 RAD	EG8354	6060	T5	6500	MF	1.885	100	100	RAD	■		■	■				
888882		RHS 38x16x1.6 RAD	EP7822	6060	T5	6500	MF	2.841	106	106	RAD	■		■					■
860754		Gate Frame L 40x40x2	EP6658	6060	T5	6500	MF	5.33	159	159				■	■				
849677		Gate Track 60x18	EQ6210	6060	T5	6000	MF	6.21	100	147				■	■				
993394		RHS 65x16 RAD Two Part Self Mating	EP13245	6060	T5	6500	MF	2.171	100	209	RAD			■		■			
933406		RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	WRCT	3.224	157	157	RAD	■	■			■	■	■	■
855605		RHS 65x16x1.4 RAD	EQ6948	6060	T5	6500	MF	3.744	156	156	RAD	■	■	■	■	■	■		■
976642		RHS 65x16x1.20 RAD Partitioned	EP12034	6060	T5	6500	MF	3.51	157	157	RAD	■							
850051		RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	MF	3.224	157	157	RAD	■	■	■	■		■	■	■
849883		70x40 Oval Standard Handrail	EQ6395	6060	T5	6500	MF	5.395	176	176	RAD			■					
952686		50mm One Way Post 70x50x2.0 Gap 16.5	EP10720	6060	T5	6500	MF	7.839	268	268	RAD	■		■	■		■		■
952712		50mm Two Way Post 180° 90x50x2.0 Gap 16.5	EP10719	6060	T5	6500	MF	9.243	347	347	RAD			■			■		
952714		50mm Two way Corner Post 90° 70x70x2 Gap 16.5	EP10721	6060	T5	6500	MF	9.243	347	347	RAD			■			■		
998316		RHS 65x16x1.27 RAD Partitioned	EP13679	6060	T5	6500	MF	3.705	157	157	RAD	■		■			■		
998459		50mm One Way Post 70x50x2.0 Gap 17.0 RAD	EP13697	6063	T6	5500	MF	6.237	212	258	RAD			■					
976233		RHS 100x16x1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	MF	5.07	227	227	RAD	■		■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

QUIKLOK SLAT SCREEN SYSTEMS



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
1028084		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	MF	3.79	147	220		■	■	■	■	■	■	■	■
1029429		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	BLDKS	3.79	147	220		■	■	■	■	■	■	■	
1029430		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	PWG	3.79	147	220			■	■	■		■	■	
1029431		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	WGM	3.79	147	220			■	■	■		■	■	■
1029432		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	MS	3.79	147	220		■				■	■		
1032346		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	EHS	3.79	147	220									■
1029433		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	SBT	3.79	147	220									■
1029428		Quiklok Fencing/Screen Adaptor 30 x 35	EP15692	6060	T5	6500	WRCT	3.79	147	220		■	■	■	■	■	■	■	
976233		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	MF	5.07	227	227	RAD	■	■	■	■	■	■	■	■
1029418		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	BLDKS	5.07	227	227	RAD	■	■	■	■	■	■	■	
1029419		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	PWG	5.07	227	227	RAD		■	■	■		■	■	■
1029420		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	WGM	5.07	227	227	RAD		■	■	■		■	■	■
1029421		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	MS	5.07	227	227	RAD	■				■	■		
1032344		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	EHS	5.07	227	227	RAD								■
1029422		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	SBT	5.07	227	227	RAD								■
1029417		RHS 100 x 16 x 1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	WRCT	5.07	227	227	RAD	■	■	■	■	■	■	■	
888882		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	MF	2.841	106	106	RAD	■	■	■	■	■	■	■	■
1029412		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	BLDKS	2.841	106	106	RAD	■	■	■	■	■	■	■	
1029413		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	PWG	2.841	106	106	RAD		■	■	■		■	■	
1029414		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	WGM	2.841	106	106	RAD		■	■	■		■	■	■
1029415		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	MS	2.841	106	106	RAD	■				■	■		
1032347		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	EHS	2.841	106	106	RAD								■
1029416		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	SBT	2.841	106	106	RAD								■
1029411		RHS 38 x 16 x 1.6 RAD	EP7822	6060	T5	6500	WRCT	2.841	106	106	RAD	■	■	■	■	■	■	■	
850051		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	MF	3.224	157	157		■	■	■	■	■	■	■	■
1018880		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	BLDKS	3.224	157	157		■	■	■	■	■	■	■	

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MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
998410		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	PWG	3.224	157	157			■	■	■		■	■	
1029408		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	WGM	3.224	157	157			■	■	■		■	■	■
1029409		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	MS	3.224	157	157		■				■			■
1032349		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	EHS	3.224	157	157									■
1029410		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	SBT	3.224	157	157									■
1029407		RHS 65 x 16 x 1.2 RAD	EQ6823	6060	T5	6500	WRCT	3.224	157	157		■	■	■	■	■	■	■	
976586		Square Hollow 50 x 2 RAD	EP12031	6060	T5		MF	6.435	190	190		■	■	■	■	■	■	■	■
1029479		Square Hollow 50 x 2 RAD	EP12031	6060	T5		BLDKS	6.435	190	190		■	■	■	■	■	■	■	
1029424		Square Hollow 50 x 2 RAD	EP12031	6060	T5		PWG	6.435	190	190			■	■	■		■	■	
1029425		Square Hollow 50 x 2 RAD	EP12031	6060	T5		WGM	6.435	190	190			■	■	■		■	■	■
1029426		Square Hollow 50 x 2 RAD	EP12031	6060	T5		MS	6.435	190	190		■				■	■		
1032345		Square Hollow 50 x 2 RAD	EP12031	6060	T5		EHS	6.435	190	190									■
1029427		Square Hollow 50 x 2 RAD	EP12031	6060	T5		SBT	6.435	190	190									■
1029423		Square Hollow 50 x 2 RAD	EP12031	6060	T5		WRCT	6.435	190	190		■	■	■	■	■	■	■	
896187		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	MF	3.543	144	144		■	■	■	■	■	■	■	■
1029435		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	BLDKS	3.543	144	144		■	■	■	■	■	■	■	
1029436		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	PWG	3.543	144	144			■	■	■		■	■	
1029437		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	WGM	3.543	144	144			■	■	■		■	■	■
1029438		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	MS	3.543	144	144		■				■	■		
1032348		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	EHS	3.543	144	144									■
1029439		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	SBT	3.543	144	144									■
1029434		Louvre Sun Control Blade 67 x 15	EPD0262	6060	T5	6500	WRCT	3.543	144	144		■	■	■	■	■	■	■	

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture **WGM** Colourbond Woodland Grey Matt **MS** Colourbond Monument Satin **EHS** Colourbond Evening Haze Satin **SBT** Sable Black Texture

PRIVACY SCREENS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
811746		Horizon 16mm Baluster	EP2976	6060	T5	5400	MF	1.22	100	100	RAD	■							
892119		Series 40 16 Diameter Baluster	EP8000	6060	T5	6500	MF	1.703	100	100		■							
814575		Horizon 38 Baluster	EQ4078	6060	T5	6500	MF	2.665	106	106		■		■	■				
888882		RHS 38x16x1.6 RAD	EP7822	6060	T5	6500	MF	2.841	106	106	RAD	■		■					■
893196		Rectangular Baluster 50x10x1.3	EP8026	6060	T5	6500	MF	3.439	118	118	RAD	■							
952712		50mm Two Way Post 180° 90x50x2.0 Gap 16.5	EP10719	6060	T5	6500	MF	9.243	347	347	RAD			■			■		
952714		50mm Two way Corner Post 90° 70x70x2 Gap 16.5	EP10721	6060	T5	6500	MF	9.243	347	347	RAD			■			■		
952686		50mm One Way Post 70x50x2.0 Gap 16.5	EP10720	6060	T5	6500	MF	7.839	268	268	RAD	■		■	■		■		■
993394		RHS 65x16 RAD Two Part Self Mating	EP13245	6060	T5	6500	MF	2.171	100	209	RAD			■		■			
933406		RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	WRCT	3.224	157	157	RAD	■	■			■	■	■	■
976642		RHS 65x16x1.20 RAD Partitioned	EP12034	6060	T5	6500	MF	3.51	157	157	RAD	■							
850051		RHS 65x16x1.2 RAD	EQ6823	6060	T5	6500	MF	3.224	157	157	RAD	■	■	■	■		■	■	■
855605		RHS 65x16x1.4 RAD	EQ6948	6060	T5	6500	MF	3.744	156	156	RAD	■	■	■	■	■	■		■
848196		Horizon 75mm Baluster	EQ4094	6060	T5	6500	MF	5.122	180	180	RAD	■		■	■		■		■
987564		Horizon 75mm Baluster	EQ4094	6060	T5	5600	MF	4.413	180	180	RAD			■					
976233		RHS 100x16x1.20/1.40 RAD Partitioned	EP12022	6060	T5	6500	MF	5.07	227	227	RAD	■		■					
999175		RHS 100x16x1.20/1.40 RAD Partitioned	EP12022	6063	T5	6500	MF	5.07	227	227	RAD			■					

Capral Limited reserves the right to change specifications and stocking locations without notice.

BALUSTRADE SYSTEMS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
915556		Oblong Rail	EXP0139	6060	T5	6100	MF	7.351	188	287	RAD		■					■	
913400		Round Rail	E30516	6060	T5	6100	MF	6.869	170	266			■						
913402		Free Standing Post	E30518	6060	T5	6100	MF	17.208	173	327			■						
915389		Full Post	EX159	6060	T5	6100	MF	10.852	177	177			■						
915388		Corner Post	EX158	6060	T5	6100	MF	5.374	184	184			■						
915554		Glass Rail	EXP0138	6060	T5	6100	MF	5.563	173	200			■					■	
915397		Gate Rail	EX274	6060	T5	6100	MF	8.009	176	176			■						
915391		Baluster	EX160	6060	T5	6100	MF	2.074	100	100			■						
915382		Post Spigot	EX040	6060	T5	4000	MF	3.312	160	160			■						
811756		40 Balustrade Top/Bot Channel	EP2979	6060	T5	6500	MF	2.873	100	206		■		■	■				
811766		40 Balustrade Weld Channel	EP2986	6106	T6	6500	MF	3.263	100	238		■							
808692		40 Balustrade Post	EP2977	6106	T6	6000	MF	8.382	159	159	RAD			■	■				
811754		40 Balustrade Infill	EP2978	6060	T5	6000	MF	1.038	100	104		■		■	■	■			
954213		Balustrade Post	EP7597	6106	T6	6000	MF	8.346	159	159	RAD	■			■	■			
811746		Horizon 16mm Baluster	EP2976	6060	T5	5400	MF	1.22	100	100	RAD	■							
893382		Horizon 19mm Box Baluster	EP8082	6060	T5	6500	MF	2.126	100	100					■				
814575		Horizon 38 Baluster	EQ4078	6060	T5	6500	MF	2.665	106	106		■		■	■				
848196		Horizon 75mm Baluster	EQ4094	6060	T5	6500	MF	5.122	180	180	RAD	■		■	■		■		■
891862		Series 40 Elliptical Capping Rail	EP7986	6060	T5	6500	MF	4.017	142	296				■					
811760		40 Balustrade Handrail	EP2980	6060	T5	6500	MF	4.654	142	315		■		■	■				
811764		40 Balustrade Handrail	EP2984	6060	T5	6500	MF	3.276	118	234		■		■	■	■			
845023		40 Balustrade Glazing Channel	EP2981	6060	T5	6500	MF	3.88	100	284		■				■			
845024		40 Balustrade Glazing Adaptor	EP2982	6060	T5	6000	MF	2.4	100	212		■				■			
845027		40 Balustrade Bead	EP2985	6060	T5	6000	MF	0.882	100	102		■				■			

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

BALUSTRADE SYSTEMS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
844541		50mm Three Way Glazed Post	EP1633	6106	T6	6000	MF	9.588	100	314				■					
844542		Curved Infill	EP1634	6060	T5	6500	MF	1.04	100	100		■		■					
844016		50mm Double Glazed Post	EP0189	6106	T6	6000	MF	8.718	119	257		■		■					
847486		50mm Single Glazed Post	EP6367	6106	T6	6000	MF	8.952	136	206				■					
915673		50mm Slimline Post & Rail	EP8659	6106	T6	5400	MF	5.864	100	205	RAD			■					
867647		50mm Two Way Square Post	EQ6484	6106	T6	5400	MF	9.806	160	298				■					
896583		Flat Infill	EP8129	6060	T5	6500	MF	1.651	100	101	RAD			■					
896585		50mm One Way Square Post	EP8130	6106	T6	5400	MF	9.126	181	248	RAD			■					
814915		Balustrade Top Rail	EN9548	6060	T5	6500	MF	4.751	174	363		■							
847970		60mm Glazed Handrail	EQ3638	6060	T5	6500	MF	7.371	161	246				■	■				
849883		70x40 Oval Standard Handrail	EQ6395	6060	T5	6500	MF	5.395	176	176	RAD			■					
838693		60mm Glazing Handrail	E52813	6060	T5	6500	MF	7.846	169	268				■					
849761		70x40 Glazed Oval Rail	EQ6310	6060	T5	6500	MF	7.033	150	232				■	■				
813399		Handrail	EU9102	6106	T6	6500	MF	8.222	267	267						■			
813400		Handrail	EU9103	6106	T6	6500	MF	8.619	286	286						■			
849534		Oval Baluster	EQ6000	6060	T5	6500	MF	2.639	100	100					■				
893196		Rectangular Baluster 50X10x1.3	EP8026	6060	T5	6500	MF	3.439	118	118	RAD	■							
838725		Round Baluster	E52962	6060	T5	6000	MF	1.596	100	100					■				
892119		Series 40 16 Diameter Baluster	EP8000	6060	T5	6500	MF	1.703	100	100		■							
998340		50mm OD Glazing Post Infill	EXP0345	6060	T5	4000	MF	0.876	100	100				■					
998457		Glazing Pocket Infill	EXP0338	6063	T5	6000	MF	1.038	100	100				■					
998317		Balustrade Glazing Rail 70x30x1.80	EP13700	6063	T5	6500	MF	6.682	171	256				■					■
998601		50mm OD One Way Glazing Post	EXP0343	6005A	T5	6500	MF	10.153	229	229				■					
998574		50mm OD Two Way/180° Glazing Post	EXP0344	6005A	T5	6500	MF	11.33	302	302				■					
999085		50mm OD Two Way/90° Glazing Post	EXP0407	6005A	T5	6500	MF	10.400	302	302				■					
998462		28mm Glazing Channel	EXP0339	6063	T5	6500	MF	3.699	219	219				■					
998464		Balustrade Rail 70x30x1.80	EP13681	6063	T5	6500	MF	4.992	163	163				■					■
999892		Sliding-Gate-Guide	EXP0534	6063	T5	6500	MF	12.318	100	100				■					
999895		LVR50	EXP0535	6063	T5	6500	MF	2.379	100	100				■					
999896		85mm Curved Elliptical Louvre Blade	EXP0531	6063	T5	6500	MF	4.167	180	180				■					

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MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999889		F-Mounting-Section	EXP0532	6063	T5	6500	MF	17.102	445	445	RAD			■					
937529		Balustrade Square Hollow Ribbed 12.7x1.6	E12002	6060	T5	6500	MF	1.502	100	100				■					
999078		50mm SQ Two Way/90° Glazing Post	EXP0379	6106	T6	6600	MF	13.055	319	319				■					
999077		50mm SQ Glazing Post RAD	EP13743	6106	T6	6600	MF	12.203	171	257	RAD			■					
999076		50mm SQ Two Way/180° Glazing Post RAD	EP13744	6106	T6	6600	MF	13.933	216	323	RAD			■					
998339		45mm Two Way/135° Glazing Post	EXP0346	6106	T6	6600	MF	12.355	486	486				■					
307921		Series 40 Balustrade Foot Spigot				0	MF	0.345				■			■	■			
300387		40 Endcap To Suit EP2980 Black				0		0.01				■		■					
300633		40 Footcover Black (No 17)				0		0.07				■		■	■	■			
301338		40 End Cap Suit EP2984 Black				0		0.01				■		■	■				
301475		40 End Cap Suit EQ5738 Black				0		0.01				■			■				
313177		583088 Free stand post end cap				0		0.055					■						
313057		**Pack 20 Per Box***				0		0.001					■	■					
313068		309M12				0		0.001					■						
313067		301M12				0		0.015					■						
313066		M12 x 300mm				0		0.211					■						
313065		300mm Total Length				0		0.208					■						
313063		BF010 Post Cap				0		0.058					■						
313062		BF009 Clear Rail Oblong				0		0.041					■						
313061		BF008 Clear Rail Round				0		0.044					■						
313059		BF006 B type Wedge				0		0.147					■						
313058		**Pack 100 Per Box**				0		0.124					■	■					
1019164		50mm Flagged Channel	EP15199	6060	T5	4000	MF	22.560	364	546				■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

GLAZED FENCING

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
844542		Curved Infill	EP1634	6060	T5	6500	MF	1.04	100	100		■		■					
896583		Flat Infill	EP8129	6060	T5	6500	MF	1.651	100	101	RAD			■					
971384		Flat Infill	EL5564	6060	T5	6500	20um CLR	1.528	100	116				■					
808212		Flat Infill	EL5564	6060	T5	6500	MF	1.527	100	116		■	■	■		■	■		
844016		50mm Double Glazed Post	EP0189	6106	T6	6000	MF	8.718	119	257		■		■					
847486		50mm Single Glazed Post	EP6367	6106	T6	6000	MF	8.952	136	206				■					
915673		50mm Slimline Post & Rail	EP8659	6106	T6	5400	MF	5.864	100	205	RAD			■					
867647		50mm Two Way Square Post	EQ6484	6106	T6	5400	MF	9.806	160	298				■					
896585		50mm One Way Square Post	EP8130	6106	T6	5400	MF	9.126	181	248	RAD			■					
844541		50mm Three Way Glazed Post	EP1633	6106	T6	6000	MF	9.588	100	314				■					
847970		60mm Glazed Handrail	EQ3638	6060	T5	6500	MF	7.371	161	246				■	■				
838693		60mm Glazing Handrail	E52813	6060	T5	6500	MF	7.846	169	268				■					
849883		Oval Standard Handrail	EQ6395	6060	T5	6500	MF	5.395	176	176	RAD			■					
849761		Glazed Oval Rail	EQ6310	6060	T5	6500	MF	7.033	150	232				■	■				

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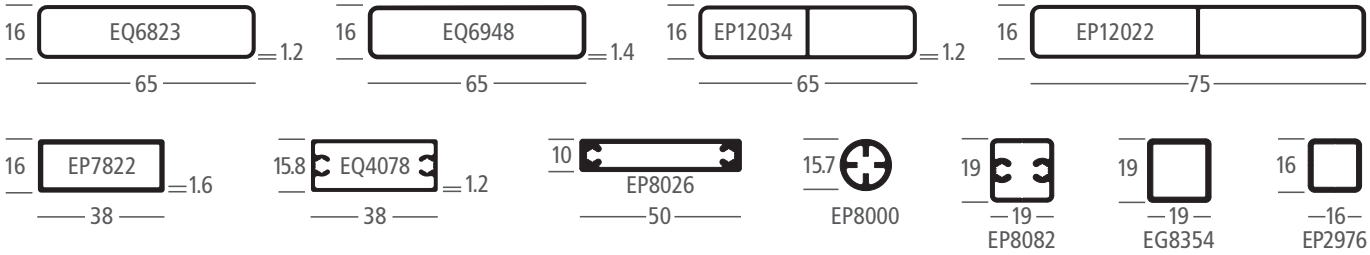
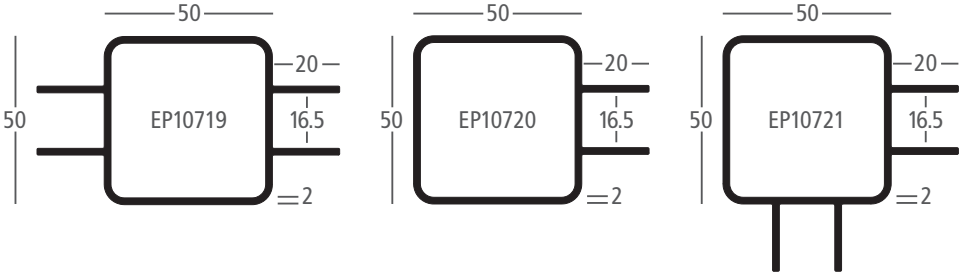
SECTION DIMENSION DIAGRAMS

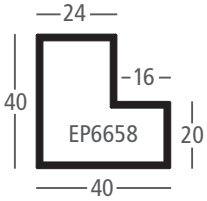
SLATS/BALUSTRADES



POSTS



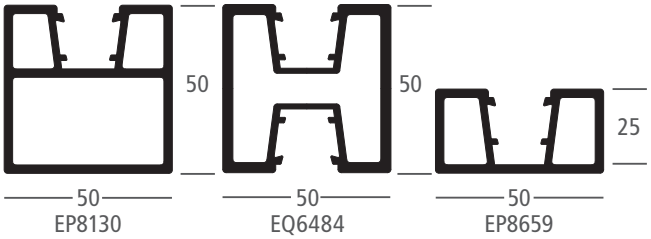
GATE SECTIONS



GLAZED POST SECTIONS

Round

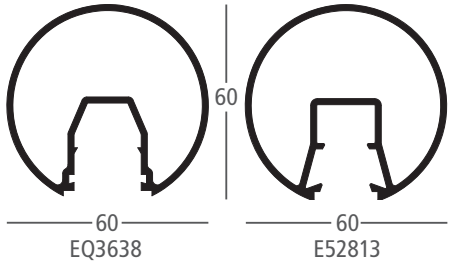
Square



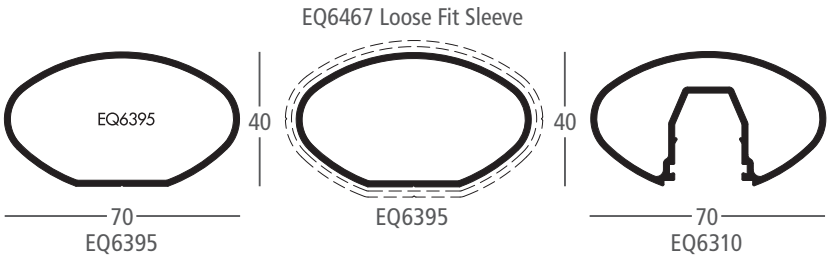
Infills

HANDRAILS

Round



Oval

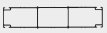


Infills

Infills

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

LADDERS & SCAFFOLD PLANKS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
851148		Fluted Tube 29.98x2.29	EW3241	6060	T591	6500	MF	3.036	106	106						■			
301299		Scaffold Plank 3m Mill Finish	EL7344	6106	T6	3000	MF	10.554				■	■	■	■	■	■		
301224		Scaffold Plank 4m Mill Finish	EL7344	6106	T6	4000	MF	14.072				■	■	■	■	■	■		■
300683		Scaffold Plank 5m Mill Finish	EL7344	6106	T6	5000	MF	17.591				■	■	■	■	■	■		
300331		Scaffold Plank 6m Mill Finish	EL7344	6106	T6	6000	MF	23.075				■	■	■	■	■	■	■	■
300332		Scaffold Plank End Std Finish				0		0.207					■	■	■			■	

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SEATING SYSTEMS

We have the best seats in the house and the… playgrounds, school ovals, gardens, parks and pools…

Capral aluminium seating systems cater for anywhere that people want to sit comfortably and relax. Enjoy the flexibility that these seats offer. Place them informally taking advantage of shade or a pleasing view, or group them formally to maximise the numbers that can be seated in a given area. In any case, they are an attractive and low maintenance seating solution that will last for years.

Capral seating stays cooler to touch on hot sunny days. This is especially important when installed inside schoolyards, stadiums and sports ovals where school children are concerned. The advantage of aluminium means the seats won't rot, crack or split like some other materials.

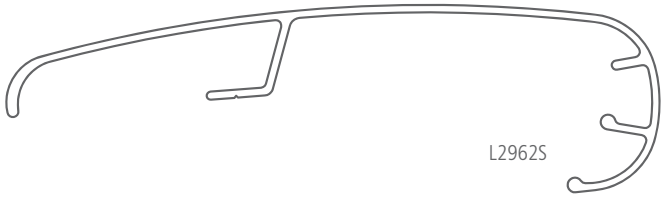
SEAT STYLE OPTIONS

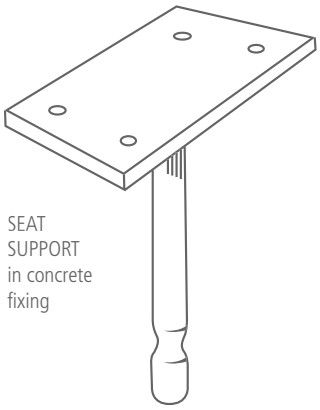
SEAT STYLE	DESCRIPTION
4 Seater Stackable Seating	Made from durable, low maintenance aluminium this stackable seating is strong, lightweight, and will save on storage space. Stackable seating provides versatile seating for four people (or up to six children). They are designed for schools, halls and assembly rooms where 'seating space' must become 'open space' quickly and easily. Built for rugged use, light to lift and stack, these multi-purpose seats come in five vibrant colours which will last for years to come. Designed for recreational areas, schools, pools and parks, our park setting comfortably seat six to eight people. It is made from heavy duty aluminium, resulting in a low maintenance and long lasting product.
Bench Seating	Capral Seating is an economical, vandal resistant, low maintenance investment that will last for years. Back rests offer design flexibility and comfort with a pleasing splash of colour.
Versatile 6 Seater	6-8 people can be seated comfortably at this modern outdoor setting. Ideally suited to use in motels, hotels, recreation areas, schools, pools and parks. Utilising heavy duty aluminium, the setting cannot rot, crack or split like other materials. Optional back rests make this the perfect setting for picnic and barbecue areas. The five vibrant colour finishes are low maintenance and extremely long lasting. Available in Hawthorn Green, Claret, Golden Yellow, Space Blue and Flame Red.

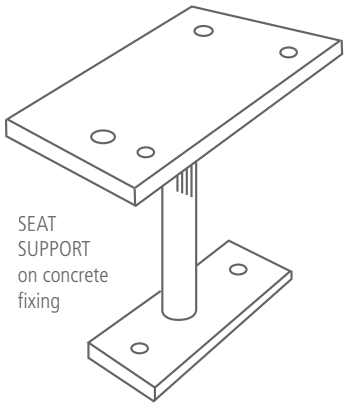
BENEFITS OF THE CAPRAL SEATING SYSTEM

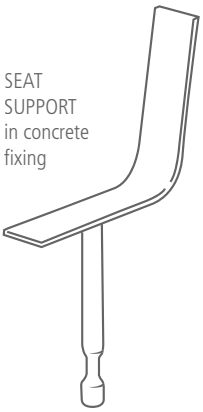
BENEFITS	DESCRIPTION
Lightweight and easy to install	Aluminium seating from Capral is lightweight and easily fabricated, offering substantial savings on installation costs.
Smooth and practical	Capral aluminium seating features smooth round edges and protective end caps, eliminating the possibility of snagging and marking your clothing.
Long lasting	Capral aluminium seating is long lasting and is able to withstand the harsh elements, making it particularly suitable near swimming pools and seaside areas. With an attractive anodised finish Capral aluminium seating requires minimal maintenance. Aluminium will not stain, crack, warp, rust or splinter and does not require painting, making it a more appealing alternative to other seating materials.
Versatile	Varying heights are available to accommodate for children or adults. The seat supports are available in 300mm, 350mm or 400mm heights as standard, with either in-ground or above ground fixing.
Finishes	Further to Capral's traditional anodised and powder coated finishes, the new DecoWood™ staining technique can help blend your seating into its natural surroundings. Photo imaging technology transform the look of aluminium into a timber finish, offering a wide range of colour and grain choices. DecoWood™ offers a 10 year warranty on all of its finishes.

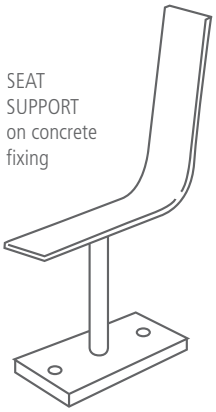
SEATING PROFILE OPTIONS



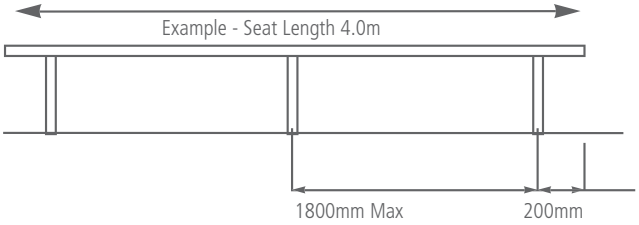






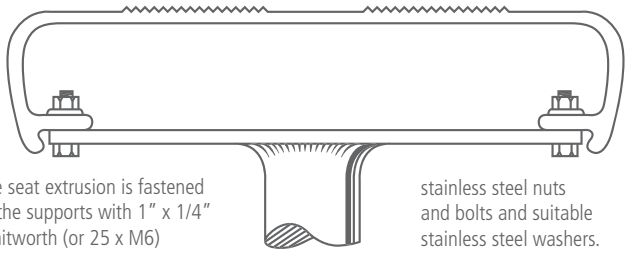


TYPICAL SEAT SPACING



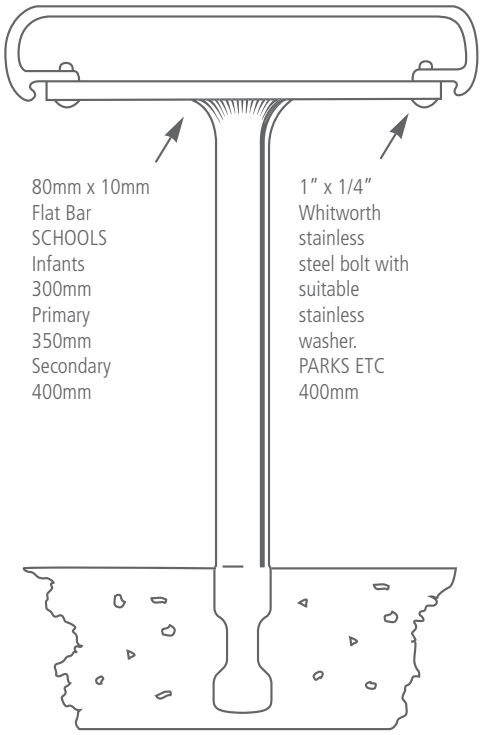
THE SEATING IS AVAILABLE IN 4m AND 6m LENGTHS

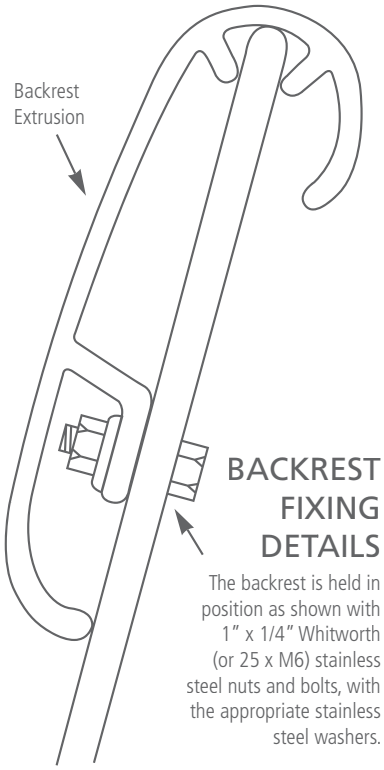
SEAT FIXING DETAILS



The seat extrusion is fastened to the supports with 1″ x 1/4″ Whitworth (or 25 x M6)

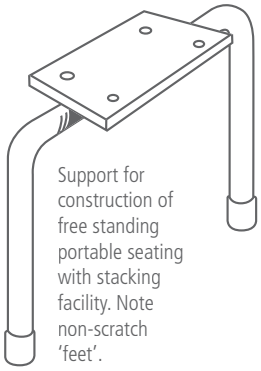
stainless steel nuts and bolts and suitable stainless steel washers.



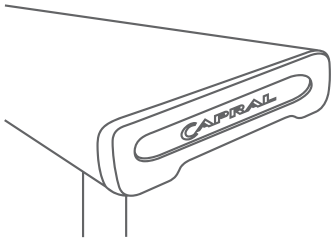


BACKREST FIXING DETAILS

The backrest is held in position as shown with 1″ x 1/4″ Whitworth (or 25 x M6) stainless steel nuts and bolts, with the appropriate stainless steel washers.

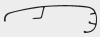
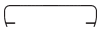
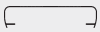


Support for construction of free standing portable seating with stacking facility. Note non-scratch 'feet'.



Cast aluminium end caps provide smooth, rounded edges and are fixed to seating extrusion by 4.8mm dia. blind rivets.

SEATING EXTRUSIONS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
808751		Seating Bench-Back Rest	EL2962	6060	T5	6000	15um CLR	10.422	598	598	RAD	■	■	■	■		■		■
861684		Seating Plank	EL2327	6060	T5	2000	15um CLR	5.552	365	796	RAD	■		■					
808749		Seating Plank	EL2327	6060	T5	6000	15um CLR	16.656	365	796	RAD	■	■	■	■		■	■	■
808747		Seating Plank	EL2327	6060	T5	4000	15um CLR	11.104	365	796	RAD	■	■	■	■	■	■		■

SEATING ACCESSORIES

300324		Seat Backrest Endcap NONH MF				0	MF	1.17				■	■	■	■	■	■		■
300322		Seat Plank Cast Endcap MF				0	MF	0.172				■	■	■	■	■	■	■	■
300326		Seat Supp Type 2A MF 400mm (No Backrest)				0	MF	1.17				■		■	■	■	■		
307831		Seat Supp Type 2D MF 500mm (No Backrest)				0	MF	1.395				■		■			■		
300327		Seat Supp Type 4A 400mm Inc Seat Std (No Backrest)				0	MF	1.26				■	■	■	■	■			
301621		Seat Supp Type 4B 350mm Inc Seat Primary Mill Finish				0	MF	1.16				■							
301734		Seat Supp Type 4C 300mm Inc Seat Infant Mill Finish				0	MF	1.105				■							
307832		Seat Supp Type 4D MF 500mm Inc Seat (No Backrest)				0	MF	1.325				■		■			■		
307834		Seat Supp Type 6D 500mm Inc Seat MF (Backrest)				0	MF	2.755				■		■			■		
300328		Seat Support Type 5A MF 400mm (Backrest)				0	MF	2.575				■		■		■			
300329		Seat Support Type 6A MF 400mm (Backrest)				0	MF	2.65				■		■		■			

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

SEATING ACCESSORIES

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
300330		Seat Support Type 7A 400 MF (No Backrest)				0	MF	1.2				■		■		■			
315941		Seat Park Table Set 2000 Green				0	Green	55				■	■			■	■		
315942		Seat Park Table Set 2000 Mill Finish				0	MF	55				■							
315943		Seat Park Table Set 2000 Space Blue				0	Space Blue	55				■							
315944		Seat Park Table Set 2000 Black Gloss				0	Black Gloss	55				■							

Capral Limited reserves the right to change specifications and stocking locations without notice.

TRANSPORT

Capral Aluminium is in partnership with a diverse range of customers across the Transport industry. In addition to our comprehensive range of standard geometric extrusions and flat products.

We supply a wide range of extrusions ideal for utilisation across the manufacture of Tankers, Tippers, Trucks, Buses, Bullbars, Ute Trays, Recreational and Specialised Vehicles.

TRANSPORT SECTIONS	72
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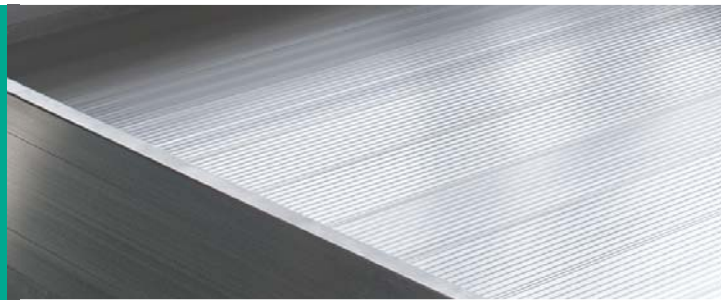
BULL BARS	78

TRANSPORT SECTIONS



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999624		Bullbar Channel 126.5x60.5x5.6 RAD	EP13667	6005A	T5	5500	MF	16.946	290	435	RAD			■					
939402		Bullbar Channel 128x75x6.0 RAD	EQ1364	6060	T4	6000	MF	23.682	282	533	RAD			■					
883308		Bullbar Channel 150x75x6.0 RAD	EP4218	6106	T6	5000	MF	23.54	575	575	RAD						■		
889827		Bullbar Spotlight Bracket 88x36	E32995	6005A	T5	4000	MF	11.728	228	228							■		
807882		Bullbar Wrap 50x5.0	E73211	6060	T5	6000	MF	3.419	100	107	RAD						■		
807881		Bullbar Wrap 80x6.0	E73113	6060	T5	6000	MF	8.328	171	171	RAD						■		
910878		Coaming Rear 1-2 Tonne 80x40	EAL22935	6063	T6	3935	MF	4.879	100	291	RAD	■							
912285		Coaming Rear Flush 69x39	EAL22943	6063	T6	4572	MF	5.098	100	273	RAD	■							
912131		Coaming Side 4 Tonne 101x31.25	EAL22939	6063	T6	7770	MF	12.471	123	327	RAD	■							
911914		Coaming Side 4 Tonne 101x31.25	EAL22939	6106	T6	4880	MF	7.832	123	327	RAD	■		■					
912911		Coaming Side 80x32	EAL22936	6063	T6	4880	MF	6.012	100	291	RAD	■		■					
842203		Coaming Side TLD 102x31.6	EL9367	6106	T6	4880	MF	7.862	334	334		■							
998288		Coaming Side TLD 102x31.6	EL9367	6351	T6	7770	MF	12.517	334	334		■							
999759		Coaming Smooth Facia 50mm	EXP0500	6063	T5	6500	MF	3.842	100	100				■					
841048		Drip Mould 30.15x25.58	EG1431	6060	F	5000	MF	2.095	120	120				■					
912303		Drop Side 223.43x25	EAL22952	6063	T6	6700	MF	11.98	445	617	RAD	■		■					
911979		Drop Side 225x25	EAL10711	6063	T6	4580	MF	8.537	624	624		■							
975154		Drop Side 250x30	EAL22932	6063	T6	6900	MF	18.03	384	768	RAD	■		■					
815304		Drop Side 250mm x 40mm	EA2824	6106	T6	1850	MF	3.909	389	756	RAD						■		
815305		Drop Side 250mm x 40mm	EA2824	6106	T6	2400	MF	5.071	389	756	RAD						■		

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MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
1008319		Drop Side 288x45	EP14298	6060	T5	7200	MF	20.952	602	903				■					■
912267		Drop Side Extension 100.1x25	EAL22938	6063	T6	6700	MF	7.698	145	368	RAD	■		■					
980922		Drop Side Infill 47.34x25.34	EQ2027	6063	T6	4350	MF	2.292	190	190				■					
999297		Facia 80x12 TWA159	EXP0465	6060	T5	6500	MF	5.675	204	204				■					
836632		Flooring Airflow 255x40	E25638	6106	T6	14430	MF	49.25	1066	1066	RAD		■						
716772		Flooring Airflow 255x43	EP8105	6106	T6	13180	MF	50.848	1113	1113	RAD		■						
912281		Flooring Plank 168.41x73	EAL22942	6005A	T5	2460	MF	7.319	160	751	RAD	■							
910947		Flooring Plank 176.34x41	EAL22940	6005A	T5	1842	MF	3.137	164	578	RAD	■							
912133		Flooring Plank 176.34x41	EAL22940	6005A	T5	4255	MF	7.246	164	578	RAD	■							
912913		Flooring Plank 176.34x41	EAL22940	6005A	T5	4572	MF	7.786	164	578	RAD	■							
952702		Flooring Plank 186.8x25.4	EAL22949	6005A	T5	1830	MF	2.333	167	456	RAD	■							
1013922		Flooring Plank 190.16x25.4	EP11523	6063	T6	1815	MF	2.895	551	551				■					
1013924		Flooring Plank 190.16x25.4	EP11523	6063	T6	1890	MF	3.015	551	551				■					
1013776		Flooring Plank 190.16x25.4	EP11523	6063	T6	5800	MF	9.251	551	551				■					
1015357		Flooring Plank 191.35x40.4	EP13687	6060	T5	4000	MF	7.228	404	605				■					
999149		Flooring Plank 191.35x40.4	EP13687	6063	T5	4580	MF	8.276	404	605				■					
1013736		Flooring Plank 191.35x41	EP13761	6005A	T5	3765	MF	6.89	405	607		■							
998319		Flooring Plank 191.35x41	EP13761	6106	T5	4560	MF	8.345	405	607		■							
912261		Flooring Plank 192.85x40	EAL22933	6005A	T5	2460	MF	4.77	166	632	RAD	■		■					
930437		Flooring Plank 195.67x25.4	EL7582	6106	T6	3900	MF	6.228	551	551	RAD	■							
952704		Flooring Plank 1-2 Tonne 188x25.5	EAL22931	6005A	T5	1830	MF	2.549	160	498	RAD	■							
997934		Flooring Plank 1-2 Tonne 188x25.5	EAL22931	6005A	T5	1980	MF	2.758	160	498	RAD	■							
911611		Flooring Plank 1-2 Tonne 188x25.5	EAL22931	6005A	T5	3935	MF	5.481	160	498	RAD	■							
952157		Flooring Plank 2 Tonne 181.4x25.4	EAL10712	6106	T6	1830	MF	2.782	550	550		■							

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

TRANSPORT SECTIONS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
912897		Flooring Plank 2 Tonne 181.4x25.4	EAL10712	6106	T6	4000	MF	6.08	550	550		■							
910876		Flooring Plank Front 1-2 Tonne 151x51	EAL22934	6005A	T5	3935	MF	5.619	185	514	RAD	■							
912293		Flooring Plank Front 4 Tonne 154.5x70.8	EAL22944	6005A	T5	4572	MF	8.211	193	604	RAD	■							
849288		Floor Trap Mould 45x19.83	EQ5709	6060	T5	5000	MF	2.695	100	168				■					
904444		Headboard 228.6x22.23	EG2739	6063	T6	6500	MF	13.865	678	678	RAD	■		■					
711794		Rope Rail Bracket 25mm	EL7667	6106	T6	40	MF	0.076	272	272	RAD	■		■					
725874		Rope Rail Bracket 32mm	EN1595	6106	T6	45	MF	0.112	392	392				■					
711792		Rope Rail Bracket 32mm	EN1595	6106	T6	60	MF	0.149	392	392		■		■					
970085		Rope Rail Bracket 75x34.5	EL7667	6106	T6	5700	MF	10.813	272	272	RAD			■					
842278		Rope Rail Bracket 114.3X30.6	EN1595	6106	T6	4150	MF	10.288	392	392		■							
908457		Rub Rail 76.2x12.7	EAL22954	6060	T5	7000	MF	8.036	100	179		■							
910084		Rub Rail 101.6x13	EAL22953	6060	T5	7000	MF	8.162	119	227		■							
808371		Rub Rail Double 109.5x19.05	EE4099	6060	T5	6500	MF	4.504	318	318		■	■	■	■		■	■	
812238		Rub Rail Single 74.59x23.79x1.57	ET2633	6106	T6	4880	MF	2.196	214	214			■	■					
947377		Stock Crate Siding 170x11	EN9602	6082	T6	6000	MF	11.364	437	437				■					
947379		Stock Crate Siding 170x11	EN9602	6082	T6	8000	MF	15.152	437	437				■					
999649		TLD Rear Coaming	EQ2094	6063	T6	5400	MF	7.625	291	291	RAD			■					
1001054		Transport Axle Block 56x56	EXP0729	6005A	T5	3000	MF	10.599	224	224			■						
1007613		Transport Coaming 112.3x45	EP14340	6063	T5	6500	MF	16.92	257	385				■					
999371		Transport Fluted Tube 32x3	EP13660	6063	T591	6500	MF	4.336	112	112			■	■					
999413		Transport Light Bar 289x76	EP13721	6082	T5	2490	MF	23.426	781	781				■					
997912		Transport Main Runner 160x150	EP11642	6351	T5	4505	MF	46.478	621	621	RAD					■			
1001722		Transport Main Runner 160x150	EP11642	6351	T5	6005	MF	61.954	621	621	RAD					■			
999760		Transport Side Coaming	EXP0501	6063	T5	7500	MF	12.075	100	100				■					

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MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999666		Transport Transom 100x40x3	EP13659	6063	T5	6500	MF	11.109	416	416				■					
847761		Transport V Groove Angle 76x55x5.0 RAD	EQ2029	6106	T6	6500	MF	10.965	260	260	RAD	■		■					
1009228		Tube 33.4x3	EP14384	6063	T6	5200	MF	4.025	105	105				■					
954473		Ute Tray 30mm Side Coaming	EW2153	6106	T6	5500	MF	6.633	282	282						■			
1011044		Ute Tray 40x25 Return Lip Channel	EW2161	6106	T6	6000	MF	3.678	186	186						■			
816108		Ute Tray 151mm Floor Plank	EW2152	6106	T6	2500	MF	4.01	555	555						■	■		
816607		Ute Tray 151mm Floor Plank	EW2152	6106	T6	1987	MF	3.187	555	555							■		
816107		Ute Tray 177mm Floor Plank	EW2151	6106	T6	1836	MF	2.84	565	565							■		
937481		Curtain Track	EAL20188	6005A	T5	7500	Mill Finish	15.54	435	435				■					
300320		Rubrail Endcap Suit E4099 Each				0		0.052				■	■	■	■	■	■		
301085		Rubrail Endcap Suit T2633 - Single				0		0.045					■						

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TIPPERS AND TANKERS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
861093		Channel 254x115x12.5 RAD	EU1691	6082	T5	2450	MF	37.061	919	919	RAD			■					
981575		Channel 254x115x12.5 RAD	EU1691	6106	T5	2470	MF	37.364	919	919	RAD		■						
1007018		Channel 254x115x12.5 RAD	EU1691	6351	T5	2480	MF	37.515	919	919	RAD					■			
1014957		Channel 254x115x12.5 RAD	EU1691	6106	T5	2550	MF	38.574	919	919	RAD		■						
947141		Channel 254x115x12.5 RAD	EU1691	6060	T4	3250	MF	49.163	919	919	RAD			■					
850292		Channel 254x115x12.5 RAD	EU1691	6061	T6	6000	MF	90.762	919	919	RAD			■					
835900		Channel Lipped 101.6x76.2x6.35 RAD	E10174	6005A	T5	6000	MF	28.848	305	563	RAD	■							
992758		Channel Lipped 101.6x76.2x6.35 RAD	E10174	6351	T5	6500	MF	31.252	305	563	RAD					■			
973611		Chassis Runner Base 100x41.5 D Type	EN3154	6005A	T5	9700	MF	71.082	295	295			■						
842479		Chassis Runner Base 100x41.5 D Type	EN3154	6005A	T5	11000	MF	80.608	295	295		■		■					
835834		Chassis Runner Base 100x41.5	E05910	6005A	T5	11000	MF	80.608	295	295	RAD					■			
1004071		Chassis Runner 232.6x152.4	EP10497	6005A	T5	6700	MF	93.003	603	804	RAD			■					
949579		Chassis Runner 232.6x152.4	EP10497	6005A	T5	8400	MF	116.6	603	804	RAD			■					
1004069		Chassis Runner 232.6x152.4	EP10497	6005A	T5	9200	MF	127.71	603	804	RAD			■					
948761		Chassis Runner 232.6x152.4	EP10497	6005A	T5	11000	MF	152.69	603	804	RAD					■			
999382		Coaming Bottom 273x178	EP10531	6351	T5	6600	MF	56.793	112	821				■					
999816		Coaming Bottom 273x178	EP10531	6351	T5	8400	MF	72.282	112	821				■					
999381		Coaming Bottom 273x178	EP10531	6351	T5	10300	MF	88.632	112	821				■					
999369		Coaming Bottom 273x178	EP10531	6351	T5	11000	MF	94.655	112	821				■					
929932		Coaming Bottom 294x230	EN9375	6005A	T5	5000	MF	52.24	976	976	RAD	■							
907460		Coaming Bottom 294x230	EN9375	6005A	T5	8500	MF	88.808	976	976	RAD	■							
933818		Coaming Bottom 294x230	EN9375	6005A	T5	9200	MF	96.122	976	976	RAD			■					

Capral Limited reserves the right to change specifications and stocking locations without notice.

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
871317		Coaming Bottom 294x230	EN9375	6082	T5	11000	MF	114.94	976	976	RAD			■					
843778		Coaming Bottom 294x230	EN9375	6005A	T5	11000	MF	114.94	976	976	RAD	■				■			
871326		Coaming Top 192x180	EN5987	6082	T5	11000	MF	111.71	687	687				■					
1001692		Coaming Top Tailgate 215.9x114.3	E05591	6351	T5	2210	MF	15.253	897	897	RAD					■			
870192		Coaming Top Tailgate 215.9x114.3	E05591	6082	T5	2400	MF	16.565	897	897	RAD			■					
973864		Rear Post 143x75	EP10530	6106	T6	2500	MF	21.975	428	428				■					
1010171		Rear Post 143x75	EP10530	6106	T6	3100	MF	27.249	428	428				■					
983046		Tailgate Aon Plate 210x50	EN4826	6005A	T5	5200	MF	29.978	503	503		■							
994645		Transport Coaming 216x114x100.4x100	EP11583	6351	T5	4505	MF	33.031	368	908	RAD					■			
1001724		Transport Coaming 216x114x100.4x100	EP11583	6351	T5	6005	MF	44.029	368	908	RAD					■			

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

BULL BARS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
939402		Bullbar Channel 128x75x6.0 RAD	EQ1364	6060	T4	6000	MF	23.682	282	533	RAD			■					
883308		Bullbar Channel 150x75x6.0 RAD	EP4218	6106	T6	5000	MF	23.54	575	575	RAD						■		
889827		Bullbar Spotlight Bracket 88x36	E32995	6005A	T5	4000	MF	11.728	228	228							■		
807882		Bullbar Wrap 50x5.0	E73211	6060	T5	6000	MF	3.419	100	107	RAD						■		
807881		Bullbar Wrap 80x6.0	E73113	6060	T5	6000	MF	8.328	171	171	RAD						■		
841880		Channel 100x45x4.9 RAD	EL7540	6106	T6	6500	MF	15.685	365	365	RAD	■							
1010068		Channel 152.4x76.2x9.55 RAD	E06330	6005A	T5	3200	MF	22.784	571	571	RAD			■					
941609		Channel 180x80x6.0 RAD	EU6362	6106	T4	6000	MF	31.116	651	651	RAD			■					
885566		Channel 200x90 RAD	EN3529	6060	T5	6000	MF	51.888	730	730	RAD	■		■					
850292		Channel 254x115x12.5 RAD	EU1691	6061	T6	6000	MF	90.762	919	919	RAD			■					
809012		Channel 381x152.4x12.7 RAD	E05721	6060	T5	3000	MF	58.716	1324	1324	RAD						■		
813974		Flat Bar 40x10.0	EX4031	6060	T5	4000	MF	4.316	100	100		■	■	■	■	■	■	■	■
813962		Flat Bar 40x6.0	EX4023	6060	T5	4000	MF	2.592	100	100		■	■	■	■	■	■	■	■
813950		Flat Bar 50x3.0	EX4008	6060	T5	4000	MF	1.62	106	106		■	■	■	■	■		■	■
813965		Flat Bar 50x6.0 RAD	EX4024	6060	T5	4000	MF	3.232	110	110	RAD	■	■	■	■			■	■
813975		Flat Bar 50x10	EX4032	6060	T5	4000	MF	5.4	120	120		■	■	■	■	■	■	■	■
816253		Flat Bar 60x3.0	EX4009	6060	T5	4000	MF	1.944	126	126		■	■	■	■	■	■	■	
852128		Flat Bar 60x10.0	EX4070	6060	T5	4000	MF	6.48	140	140		■	■	■	■	■			■
813969		Flat Bar 80x6.0	EX4025	6060	T5	4000	MF	5.184	172	172		■	■	■	■	■	■	■	■
939408		Flat Bar 80x6.30 RAD	EB1092	6060	T4	6000	MF	8.016	167	167	RAD			■	■				
816618		Flat Bar 80x8.0	EX4072	6082	T5	5850	MF	10.109	176	176		■		■					
813980		Flat Bar 80x10.0	EX4033	6060	T5	4000	MF	8.64	180	180		■	■	■	■	■	■	■	■
809391		Flat Bar 80x12.0	E20061	6060	T5	4000	MF	10.368	184	184		■	■	■	■		■		
813957		Flat Bar 100x3.0	EX4011	6060	T5	4000	MF	3.24	206	206		■	■	■	■	■	■	■	■

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MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
813971		Flat Bar 100x6.0	EX4026	6060	T5	4000	MF	6.48	212	212		■	■	■	■	■	■	■	■
816734		Flat Bar 100x6.0	EX4026	6082	T5	6000	MF	9.72	212	212		■					■		
999668		Flat Bar 100x8.0 RAD	EP7910	6082	T5	6000	MF	12.942	214	214	RAD			■					
816276		Flat Bar 160x6.0	EX4027	6060	T5	4000	MF	10.36	330	330		■	■	■	■	■	■	■	■
816284		Flat Bar 160x10.0	EX4035	6060	T5	4000	MF	17.28	340	340		■	■	■	■	■	■	■	■
807880		Tee 38x63 RAD	E71996	6060	T5	6000	MF	9.978	198	198	RAD						■		
810269		Tube 38.1x3.25	E40016	6060	T5	6500	MF	6.246	120	120		■	■	■	■			■	
955230		Tube 38.1x3.25	E40016	6060	T591	6500	MF	6.247	120	120		■		■		■			
814070		Tube 40x3.0	EX5017	6060	T5	6500	MF	6.123	126	126		■	■	■	■	■	■	■	■
814072		Tube 40x3.0	EX5017	6060	T591	6500	MF	6.123	126	126			■	■					■
851658		Tube 44.45x3.25	EX2101	6060	T591	6000	MF	6.816	139	139				■					
812582		Tube 48.41x4.47	EX2202	6061	T6	6000	MF	9.996	152	152		■	■	■	■	■		■	■
814093		Tube 50x3.0	EX5041	6060	T5	6500	MF	7.774	157	157		■	■	■	■	■	■	■	■
814095		Tube 50x3.0	EX5041	6060	T591	6500	MF	7.774	157	157		■		■					
1012641		Tube 50x4.0	EX5081	6060	T52	6000	MF	9.366	157	157							■		
814115		Tube 50x4.0	EX5081	6060	T5	6500	MF	10.146	157	157		■		■			■	■	■
946413		Tube 50x5.0	EP7790	6060	T4	6000	MF	11.454	157	157		■							
856010		Tube 60x3.0	EX5022	6060	T591	6500	MF	9.425	188	188		■	■	■			■	■	
856149		Tube 60x5.0	EX5071	6060	T5	6500	MF	15.165	188	188		■	■	■	■			■	
838353		Tube 63.5x3.95	E40098	6060	T4	6000	MF	11.97	199	199				■					
812568		Tube 63.5x6.35	EX2138	6106	T6	6500	MF	20.007	199	199		■	■	■	■	■		■	■
912868		Tube 76.19x3.25	EX2152	6060	T5	6500	MF	13.072	239	239		■	■	■	■				
813579		Tube 76.19x4.75	EX2207	6060	T1	6000	MF	17.256	239	239		■							
812572		Tube 76.19x6.35	EX2153	6082	T6	6000	MF	22.572	239	239				■			■		
871062		Tube 76.19x6.35	EX2153	6061	T6	6500	MF	24.453	239	239		■	■	■		■			■
939406		Tube 76.2x3.8	EP8552	6060	T4	6500	MF	15.171	239	239				■					
953246		Tube 76.2x4.7	E40154	6060	T1	6500	MF	18.525	239	239						■			
852170		Tube 101.6x6.35	EX2170	6082	T5	6000	MF	30.78	319	319		■		■			■	■	

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

MARINE

Capral Aluminium is in partnership with a diverse range of customers across the Marine industry. In addition to our comprehensive range of standard geometric extrusions and flat products.

We supply a wide range of extrusions for applications across the manufacture of ships, boats, large barges and pontoons - whether the customer is operating a production line or building small one-off craft.

MARINE SECTIONS 81

YACHT MASTS 83

MARINE SECTIONS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999779		5.2mm Large Boat Keel 6500mm	EXP0519	6063	T5	6500	MF	10.79	174	174				■					
812066		50mmx30mm Half Round	EA3052	6060	T5	6000	MF	4.662	176	176	RAD			■			■		
999758		Boat Facia 4x50	EXP0499	6063	T5	6500	MF	3.471	100	100				■					
999372		Boat Facia 90x16	EP13685	6060	T591	4600	MF	4.678	259	259				■					
999150		Boat Facia 90x16	EP13685	6060	T591	6000	MF	6.102	259	259				■					
999754		Boat Keel Chine	EXP0495	6063	T5	5400	MF	5.891	100	100				■					
908928		Boat Gunwhale accepts 3mm	EW4463	6060	T595	6500	MF	9.367	311	311				■					
817475		Bulb Flat 50x14x4.5	EL9067	6082	T5	6000	MF – DNV	4.392	122	122							■		
1007941		Bulb Flat 50x14x4.5	EL9067	6082	T5	6100	MF – DNV	4.465	122	122								■	
817477		Bulb Flat 76.2x19.05x5.38	EH9987	6082	T5	6000	MF – DNV	8.352	182	182							■		
1002424		Bulb Flat 98.7x19.05x5.38	EL6940	6082	T5	6000	MF – DNV	10.314	227	227							■		
1002426		Bulb Flat 150x19x6.0 RAD	EW3539	6082	T5	6000	MF – DNV	16.11	330	330	RAD						■		
816005		Chine 26.75x21.44	EU4601	6060	T5	5600	MF	3.842	124	124				■					
1016584		Chine 35x30	EL6077	6060	T5	6500	MF	6.923	158	158								■	
999756		Chine 48x22	EXP0497	6063	T5	6000	MF	7.284	167	167				■					
999305		Coaming Fascia 89.87x16	EP13855	6063	T591	6500	MF	7.514	263	263				■					
1002371		Flooring Joiner 150x97	EP5813	6082	T6	7400	MF – DNV	55.485	525	525							■		
817047		Flooring Joiner 230x119	EP5438	6082	T6	7400	MF – DNV	100.61	712	712							■		
1012314		Flooring Plank Marine 267.73x37	EN8093	6082	T6	10850	MF – DNV	22.861	771	771							■		
1014980		Flooring Plank Marine 267.73x37	EN8093	6082	T6	12050	MF – DNV	25.389	771	771							■		
1012254		Flooring Plank Marine 373.12x37	EN6328	6082	T6	10850	MF – DNV	44.615	1008	1008							■		
842212		Flooring Plank Oyster Punt 228x50	EL9436	6060	T5	6000	MF	20.622	555	555		■							

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MARINE SECTIONS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
999746		2.5mm Gunwhale	EXP0488	6063	T5	4900	MF	6.576	100	100				■					
999748		3.5mm Gunwhale	EXP0489	6063	T5	4900	MF	6.595	100	100				■					
999747		3.5mm Gunwhale	EXP0489	6063	T5	5300	MF	7.134	100	100				■					
813425		Gunwhale 39x25	EU9824	6060	T5	6500	MF	4.011	100	144				■					■
999298		Gunwhale 40x25	EXP0472	6063	T5	6500	MF	6.13	206	206				■					
999324		Gunwhale 47x32	EXP0471	6063	T591	6000	MF	5.022	100	100				■					
999757		Gunwhale 54x43	EXP0498	6063	T5	6500	MF	9.406	311	311				■					
869390		Gunwhale 56x36	EU3862	6060	T5	7000	MF	8.638	150	270								■	
872612		Gunwhale 200x80	EW5406	6106	T6	6000	MF	14.898	617	617							■		
998273		I-Beam 100x75 RAD	EP5402	6082	T6	6500	MF – DNV	23.979	463	463	RAD	■					■		
998274		I-Beam 130x80 RAD	E22015	6082	T6	6500	MF – DNV	27.521	553	553	RAD	■					■		
808125		I-Beam 176x80 RAD	EU7083	6082	T6	6000	MF – DNV	34.014	650	650	RAD						■		
812403		I-Beam 220x100x5.0x10.0 RAD	EU8404	6082	T6	6000	MF – DNV	48.822	823	823	RAD						■		
809858		I-Beam 270x100	E27501	6082	T6	6000	MF – DNV	57.018	916	916		■					■		
808130		I-Beam 316x150x6.0x8.0 RAD	EU8405	6082	T6	6000	MF – DNV	68.544	1209	1209	RAD						■		
999328		Keel 5mm Gap 7396	EXP0476	6063	T5	6200	MF	14.421	100	100				■					
953729		Keel TMR 58x30	EL6052	6106	T6	7000	MF	9.667	204	204								■	
873370		Keel TMR 61x36	EL6051	6106	T6	7000	MF	16.058	271	271								■	
999635		Marine Box Rib 38x33.2	EP13724	6005A	T5	6000	MF	6.576	139	139				■					
998496		Marine Half Round	EXP0340	6063	T591	6000	MF	3.21	142	142				■					
814927		Marine Internal Coaming 90x16	EQ3462	6060	T591	6000	MF	6.576	114	260				■	■				■
981945		Marine Louvre 83.5x36	EP12542	6060	T5	6100	MF	3.123	272	272							■		
816622		Marine Rider Bar 80x8.0	EP6100	6082	T5	5850	MF – DNV	7.956	174	174							■		
1012411		Marine Tow Eye 115x50.01	EP8932	6005A	T5	4000	MF	33.944	286	286				■					
981943		Marine Transport-Louvre Spacer	EP12543	6060	T5	6000	MF	11.184	245	245							■		
837969		Pontoon Handrail 75x65x2.5 RAD	E36378	6106	T6	9000	MF	15.876	217	275	RAD			■					
841040		Sailtrack 31.75x11.89x3.18	EE4200	6061	T6	4000	MF	1.936	100	119								■	
809694		Sponson 250x165.2	E26674	6082	T6	9600	MF – DNV	96.106	481	1026							■		

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MARINE SECTIONS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
816732		Tee 32x54x4.0 RAD	E20264	6082	T5	6000	MF – DNV	5.424	169	169	RAD						■		
814853		Tee 35x50x3.0 RAD	EU9284	6082	T6	6000	MF – DNV	4.05	167	167	RAD						■		
817085		Tee 35x128x8/5 RAD	EP3724	6082	T6	6000	MF – DNV	14.346	320	320	RAD						■		
817053		Tee 35x128x8/5 RAD	EP3724	6082	T6	9600	MF – DNV	22.954	320	320	RAD						■		
1014987		Tee 45x100 RAD	EU7074	6082	T6	7250	MF – DNV	16.189	286	286	RAD						■		
1008876		Tee 45x100 RAD	EU7074	6082	T6	9650	MF – DNV	21.548	286	286	RAD						■		
1002476		Tee 50x35x2 RAD	EA2071	6082	T6	6000	MF – DNV	2.748	166	166	RAD						■		
812276		Tee 50x60 RAD	EU6368	6082	T6	6000	MF – DNV	8.472	216	216	RAD						■		
811412		Tee 50x70 RAD	EN5331	6082	T6	6000	MF – DNV	10.608	236	236	RAD						■		
812452		Tee 50x156x6.0 RAD	EU8408	6082	T6	6000	MF – DNV	19.554	408	408	RAD						■		
808127		Tee 80x139 RAD	EU7545	6082	T6	6000	MF – DNV	21.672	429	429	RAD						■		
808120		Tee 80x163 RAD	EN5218	6082	T6	6000	MF – DNV	23.622	477	477	RAD						■		
808131		Tee 80x208 RAD	EU8406	6082	T6	6000	MF – DNV	30.06	571	571	RAD						■		
809827		Tee 100x308x8/5RAD	E27297	6082	T6	6000	MF – DNV	37.68	806	806	RAD						■		
1002466		Tee 120x370 RAD	E25760	6082	T6	9600	MF – DNV	87.773	971	971	RAD						■		
1002475		Tee 120x402x12x6 Marine RAD	EP10656	6082	T6	9600	MF – DNV	98.659	1034	1034	RAD						■		
1002474		Tee 120x402x12x6 Marine RAD	EP10656	6082	T6	10800	MF – DNV	110.99	1034	1034	RAD						■		
847680		Top Hat 63.5x31.75	EQ1633	6060	T591	5000	MF	4.74	122	238	RAD			■	■				■

YACHT MASTS

947250		Tube 152.4x2.4	E40263	6063	T6	6500	MF	19.845	479	479			■						

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SIGNAGE

Capral Aluminium is a leading supplier of sheet and extrusions to the diverse sign manufacturing market.

From the simplest flat sign to the most complex neon box sign, Capral Aluminium can supply the required materials to bring your customers' imagination to life.

SIGN - VARIOUS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
809130		Sign Brace Rail 28.5x25.5 WA Type A	EK8891	6060	T5	6500	MF	4.511	100	186	RAD		■				■		
809128		Sign Brace Rail 28.5x25.5 WA Type A	EK8891	6060	T5	6000	MF	4.164	100	186	RAD	■		■	■		■		■
940956		Sign Frame 28.5x25.5	EP9871	6060	T5	6500	MF	4.108	186	186		■							
944395		Sign Brace Rail 44x40	EP10260	6060	T5	6500	MF	8.827	104	294							■		
999815		Sign Brace Rail 44x40 WA Type A	E53477	6063	T6	6000	MF	7.89	102	202	RAD			■					
817517		Sign Post Bracket 104.8x33.25 To E52823	E52822	6060	T5	6000	MF	6.696	140	272				■					
808575		Sign Post Bracket 107.2x38.35 To E52822	E52823	6060	T5	6000	MF	7.032	140	294				■					
810383		Sign 140mm Sign Box	E53091	6060	T5	6100	MF	7.588	142	591				■					■
937677		Sign Blade Tee Edge 149.45x19.05	EQ3712	6060	T5	6000	MF	9.978	348	348		■		■					
808182		Sign Box Frame 150x20	E32391	6060	T5	6500	MF	10.101	191	528		■		■			■		■
1010080		Sign Blade Grooved Edge 150x22.75	EP8720	6060	T5	6000	MF	7.044	347	432							■		
810079		Sign Blade Tee Edge 152x18	E33394	6060	T5	6000	MF	7.944	203	357				■					
810205		Sign Blade Bulb Edge 152.4x12.7	E35973	6060	T5	6000	MF	8.232	329	329				■					
841794		Road Barrier Board 190x30	EL6514	6060	T5	2800	MF	5.088	569	569				■					
810003		Sign Box Frame 195x27	E32175	6060	T5	6500	MF	14.742	249	655		■		■	■		■		■
847984		Sign Blade Tee Edge 199.45x19.05	EQ3713	6060	T5	6000	MF	11.76	448	448		■							
1013920		Sign Blade 200mm	E32953	6060	T5	6000	MF	9.786	430	535							■		
999367		Sign Blade Bulb Edge 200.03x12.7	EP13745	6060	T5	6000	MF	10.584	424	424				■					
841206		Sign Blade Bulb Edge 203.2x15.88	EH2884	6060	T5	6500	MF	16.543	436	436				■					
808680		Sign 200mm Surround	E53086	6060	T5	6100	MF	2.635	100	162				■					
808576		Sign Frame Strengthener	E53084	6060	T5	6100	MF	3.586	105	264				■					
808185		Sign 200mm Sign Box	E34852	6060	T5	6100	MF	11.626	150	672				■					
838741		Sign 150mm Surround	E53092	6060	T5	6100	MF	1.281	100	109				■					■

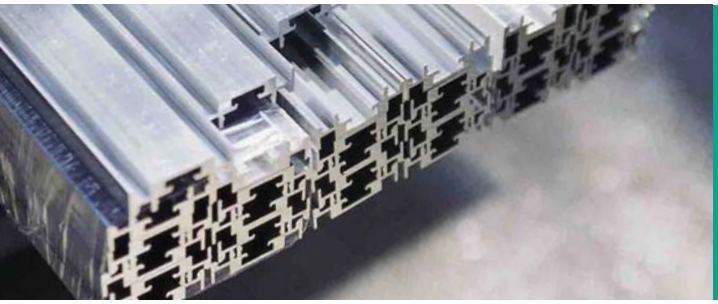
Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

COLD STORAGE

Capral Aluminium is in partnership with a diverse range of customers across the cold storage industry.

Our specific coolroom extrusion range is available in both Mill Finish and Surfmist powdercoat. With lightweight sections to maximise your savings, our large variety of products and stock holding enable us to react quickly to your needs and deliver a full aluminium solution.

COOLROOM/PORTABLE



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
809875		Rope Track 2 Throat 27.5x12.2	E30278	6060	T5	6000	MF	1.632	100	129				■			■		
863345		Rope Track 28.17x12.53	EH7644	6060	T5	6500	PWG GA078A	1.495	100	100	RAD	■	■	■	■		■		■
813605		Rope Track 28.17x12.53	EH7644	6060	T5	6500	MF	1.495	100	100	RAD	■	■	■	■	■	■	■	■
809104		Wallboard H Section 34.5x9	E14698	6060	T5	6500	MF	1.261	100	138		■		■					
939786		Coolroom Coving 35.0	EQ4034	6060	T5	6500	CBSM GA236A	1.333	100	121				■	■				
815937		Coolroom Coving 35.0	EQ4034	6060	T5	6500	MF	1.332	100	121		■		■	■		■		
909593		Coolroom Angle 40x40x1.5 RAD	EAL22080	6060	T5	6500	CBSM GA236A	2.041	160	160	RAD	■	■	■					
869834		Rope Track Double Flange 43.4x10	EL3317	6060	T5	6500	PWG GA078A	1.82	100	129	RAD		■	■			■		
813754		Rope Track Double Flange 43.4x10	EL3317	6060	T5	6500	MF	1.82	100	129	RAD	■	■	■	■	■	■	■	■
909280		Coolroom Coving 50.0	EAL12220	6060	T5	6500	MF	2.815	100	183		■	■				■	■	
808775		Coolroom Arrowhead Trim 50.6x25.4	ET7490	6060	T5	6500	MF	1.937	100	143	RAD	■		■	■		■		
1004526		Coolroom Arrowhead Trim 50.8x19.05	EAL3265	6060	T5	5800	CBSM GA236A	1.786	100	147			■	■					
809560		Coolroom Channel 53.4x25x1.2	E20825	6060	T5	6500	MF	2.113	108	203		■	■	■		■	■	■	
909607		Coolroom Channel 53.96x25.4	ET5513	6060	T5	6500	CBSM GA236A	2.308	108	206		■							
813858		Coolroom Channel 53.96x25.4	ET5513	6060	T5	6500	MF	2.308	108	206		■							
811538		Coolroom Door Frame Channel 54x30.7	EN8888	6060	T5	6500	MF	2.457	113	203	RAD	■		■					
909284		Coolroom Doorjamb 54x31	EAL12290	6060	T5	6500	MF	2.659	117	204			■						
808578		I Beam 54x50.8x1.6	E61129	6060	T5	6500	MF	4.225	305	305		■		■					
810134		Coolroom Channel 55.8x30x1.5 Anti Vermin	EL8529	6060	T5	6500	MF	3.283	121	229	RAD	■	■	■	■	■	■		■
927948		Coolroom Channel 55.8x30x1.5 Anti Vermin	EL8529	6060	T5	6500	CBSM GA236A	3.283	121	229	RAD	■		■	■	■			
812286		Coolroom Coving 75.0	EU6648	6060	T5	6500	MF	4.979	133	271	RAD	■	■				■		
910987		Coolroom Coving 77.43	EAL12219	6060	T5	6500	CBSM GA236A	5.187	124	261			■						

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

COOLROOM/PORTABLE

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
808571		Coolroom Channel 78.2x38x1.6	E51877	6060	T5	6500	MF	4.212	155	304		■		■	■			■	
912149		Coolroom Channel 80.3x38x1.5 Anti Vermin	EQ3076	6060	T5	6500	CBSM GA236A	4.355	100	310		■				■			
813265		Coolroom Channel 80.3x38x1.5 Anti Vermin	EQ3076	6060	T5	6500	MF	4.355	100	310		■							
909278		Coolroom Corner Joiner 80.6x50.8x1.4	EAL12509	6060	T5	6500	MF	5.675	133	468			■						
908451		Coolroom Door Track 90x56	EAL12443	6060	T5	6500	MF	10.498	303	303		■							
912321		Coolroom Channel 92x25 RAD	ED7672	6060	T5	6500	MF	4.947	145	278	RAD	■							
912322		Coolroom Channel 92x25 RAD	ED7672	6060	T5	6500	CBSM GA236A	4.947	145	278	RAD	■							
810376		Coolroom Channel 103.2x38x1.6 RAD	E51852	6060	T5	6500	MF	4.914	181	354	RAD		■	■				■	
807999		Coolroom Channel 105.3x38x1.5 Anti Vermin	EQ3077	6060	T5	6500	MF	5.012	100	360		■	■	■	■		■		
928096		Coolroom Channel 105.3x38x1.5 Anti Vermin	EQ3077	6060	T5	6500	CBSM GA236A	5.012	100	360		■			■	■			
912140		Coolroom Channel 117x25 RAD	ED7673	6060	T5	6500	CBSM GA236A	6.143	170	327	RAD	■							
911918		Coolroom Channel 117x25 RAD	ED7673	6060	T5	6500	MF	6.143	170	327	RAD	■							
983311		Coolroom Door Track 139x40	EQ4713	6060	T5	6500	MF	17.498	390	432		■							
837902		Coolroom Top Track 148x40	E36063	6060	T5	6500	MF	18.928	469	469		■							
815799		Coolroom Channel 156x38.5 Anti Vermin	EP5139	6060	T5	6500	MF	8.119	239	463		■	■						
998292		Coolroom Channel 168.3x25.4 RAD	EAL22078	6060	T5	6500	CBSM GA236A	10.608	219	430	RAD	■							
965813		Coolroom Channel 168.3x25.4 RAD	EAL22078	6060	T5	6500	MF	10.608	219	430	RAD	■							

Capral Limited reserves the right to change specifications and stocking locations without notice.

JURALCO WALKWAY SYSTEMS

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AMPLIGRIP ALUMINIUM GRATINGS

Ampligrip aluminium gratings are suitable for most environments and ideal for marine environments, sewage treatment plants, mezzanine floors or any lightweight catwalk requirement. There is a range of different thickness gratings to suit various span requirements as well as a stair tread grating for ease of stair fabrication saving valuable labour time.

THE AMPLIGRIP 200 SERIES

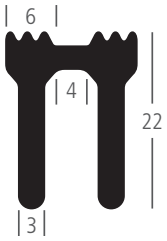
Ampligrip 200 series grating products are manufactured from aluminium alloy 6060-T5 Temper.

Specification

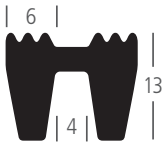
When specifying 200 series grating adopt the following clause: Supply Juralco Ampligrip (201 or 202) aluminium grating.

Standard Panel Dimensions

AMPLIMESH 201/600		
Length	5800mm	(±100)
Width	600mm	(± 3)
Depth	13mm	
Weight	28kg/panel (7.75kg/m³)	

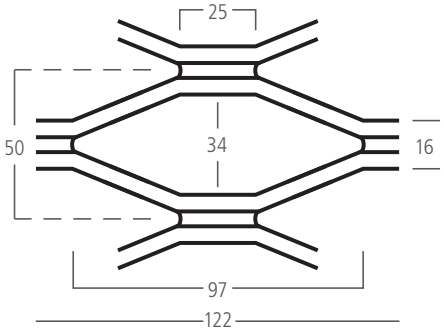


AMPLIMESH 202/600		
Length	5800mm	(±100)
Width	600mm	(± 3)
Depth	22mm	
Weight	35kg/panel (9.75kg/m³)	

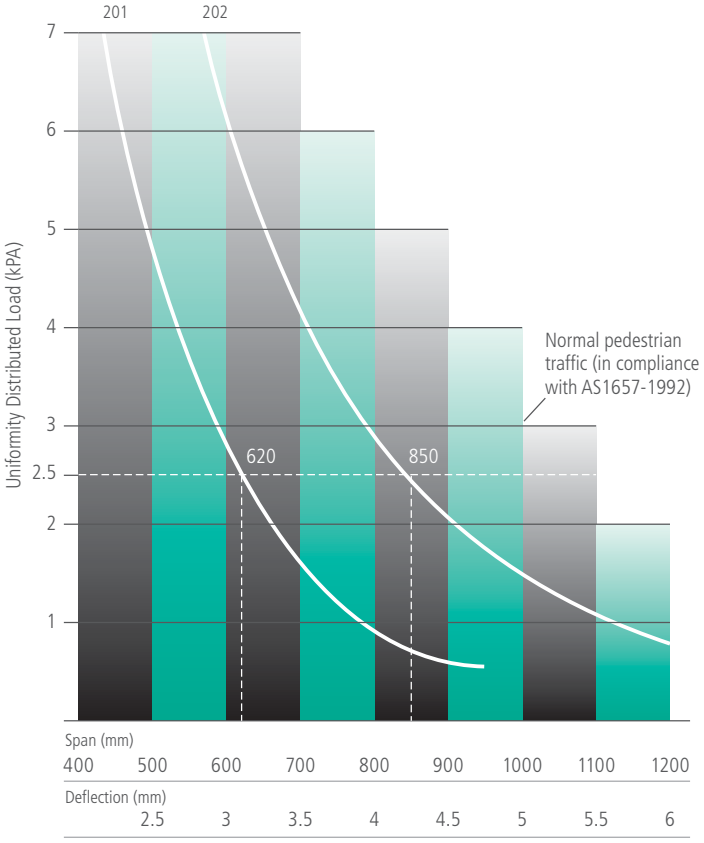


Standard Aperture Size in plan

(Normal dimensions in mm)



Load Span Graph for 200 Series Ampligrip Grating



Note: For multiple continuous spans of equal length, the load values obtained from graph may be multiplied by a factor of 1.4 or if the loading is to remain the same, the span can be increased by a factor of 1.087.

AMPLIGRIP ALUMINIUM GRATINGS

THE AMPLIGRIP 400 SERIES

Ampligrip 400/500 series grating products are manufactured from aluminium alloy 6063-T6 Temper (to AS/NZS 1866-1997).
Ampligrip 430/300 grating and 400/250 stair tread products are manufactured from aluminium alloy 6060-T6 (to AS/NZS 1866-1997).

Specification

When specifying 400 Series grating adopt the following clause: Supply Juralco Ampligrip 400 Series aluminium straight load bar grating.

Standard Panel Dimensions

AMPLIGRIP 430/300		AMPLIGRIP 430/500		AMPLIGRIP 440/500		AMPLIGRIP 400/250	
Length	5800mm (±100)	Length	5800mm (±100)	Length	5800mm (±100)	Length	5800mm (±100)
Width	300mm (± 3)	Width	500mm (± 3)	Width	500mm (± 3)	Width	250mm (± 3)
Depth	30mm	Depth	30mm	Depth	40mm	Depth	40mm
Weight	26kg/panel (14.4kg/m²)	Weight	41kg/panel (15.0kg/m²)	Weight	45kg/panel (15.0kg/m²)	Weight	24kg/panel (4kg/m)

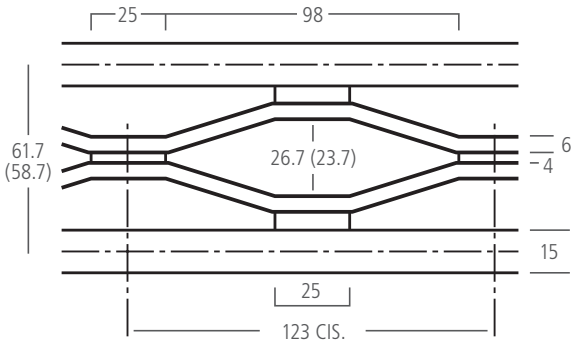
Deflection Table Standard 250mm Wide Panel

AMPLIGRIP 400 SERIES		SPAN (MM)				
Loading Condition		750	900	1050	1200	1350
Uniformly Distributed Load	2.2kN/m	0.8	1.3	2.5	4.1	6.6
Concentrated Load	1.4 kN	0.9	1.5	2.4	3.5	5.0

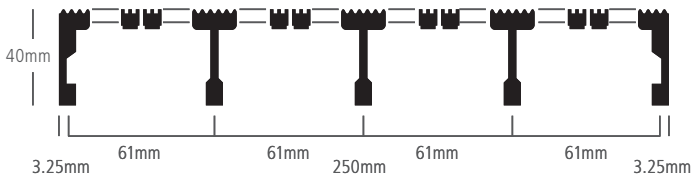
(Figures are for 250mm wide panels. Loading are as per AS1657-1992 and AS1170 Part 1-1989)
Legend: ■ Spans at engineer's discretion ■ Spans at AS1657 allowing for span/200 deflection

Standard Aperture Size in plan

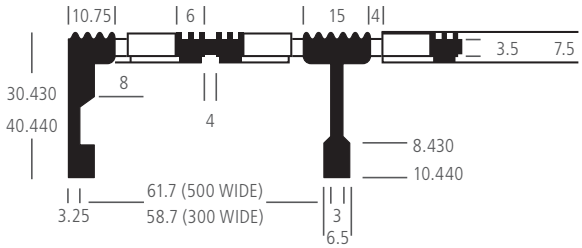
(Normal dimensions in mm) 500 & 300 wide panels



Section Dimensions

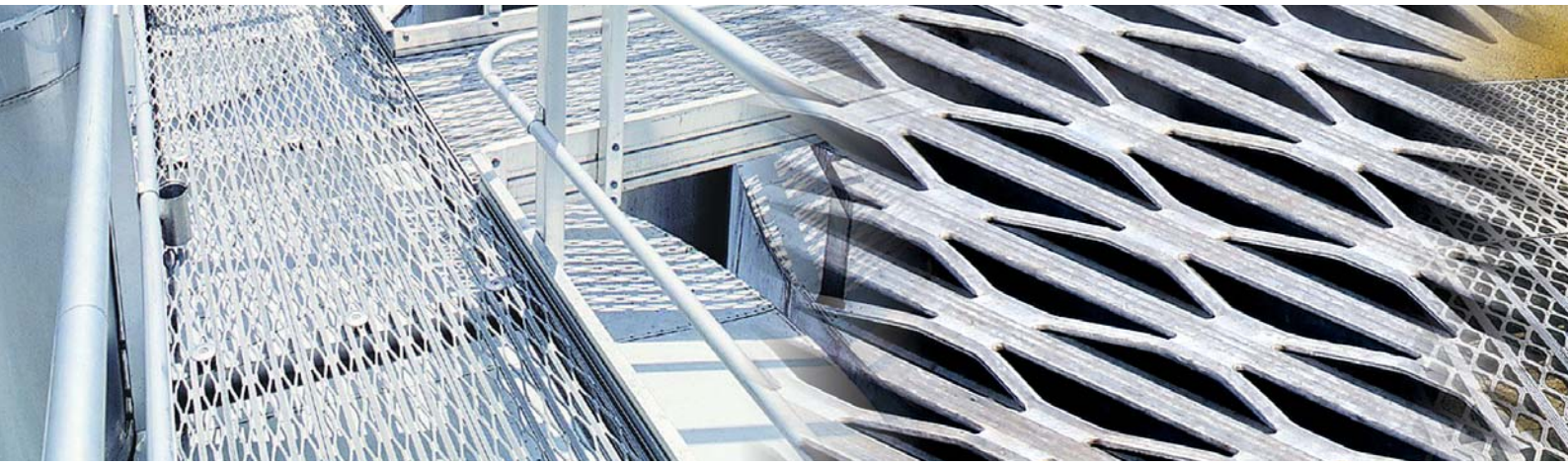


Section: Standard 250mm wide grating.
Maximum recommended stair tread width for normal pedestrian traffic is 1200mm.



Partial Section: 500 & 300 wide grating.
430 and 440 Grating (nominal dimensions in mm).

AMPLIGRIP ALUMINIUM GRATINGS



AMPLIGRIP 400 SERIES SAFE LOAD TABLES

Safe Load and Deflection Tables Ampligrip 430/500mm wide panels

SINGLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	27.8	19.3	14.2	10.8	8.6	6.9	5.7	4.8	4.1	3.5	3.1	2.7	2.4
	Max. Deflection (mm)	51.0	7.3	9.9	12.9	16.3	20.1	24.4	29.1	34.1	39.6	45.4	51.7	58.3
	Safe Load Limit (kPa) for Span/200	20.4	11.9	7.5	5.0	3.5	2.6	1.9	1.5	1.1	0.9	0.8	0.6	0.5
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	5.2	4.3	3.7	3.3	2.9	2.6	2.3	2.1	2.0	1.9	1.7	1.6	1.5
	Max. Deflection (mm)	4.0	5.8	7.9	10.3	13.1	16.1	19.5	23.2	27.3	31.6	36.3	41.3	46.7
	Safe Load Limit (kPa) for Span/200	4.9	3.3	2.5	1.9	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3

DOUBLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	27.8	19.3	14.2	10.8	8.6	6.9	5.7	4.8	4.1	3.5	3.1	2.7	2.4	2.1	1.9	1.7
	Max. Deflection (mm)	2.1	3.1	4.1	5.4	6.8	8.4	10.1	12.1	14.2	16.4	18.9	21.4	24.2	27.1	30.2	33.35
	Safe Load Limit (kPa) for Span/200	-	-	-	-	8.5	6.2	4.6	3.6	2.8	2.3	1.8	1.5	1.3	1.1	0.9	0.8
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	6.9	5.8	4.9	4.3	3.8	3.5	3.2	2.9	2.7	2.5	2.3	2.2	2.1	1.9	1.8	1.7
	Max. Deflection (mm)	2.4	3.5	4.7	6.2	7.8	9.6	11.7	13.9	16.3	18.9	21.7	24.7	27.9	31.3	34.8	38.6
	Safe Load Limit (kPa) for Span/200	-	-	-	4.2	3.3	2.7	2.3	1.9	1.6	1.4	1.2	1.0	0.9	0.8	0.7	0.6

TRIPLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2100
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	34.7	24.1	17.7	13.6	10.7	8.7	7.2	6.0	5.1	4.9
	Max. Deflection (mm)	3.3	4.7	6.4	8.4	10.6	13.1	15.9	18.9	22.1	23.0
	Safe Load Limit (kPa) for Span/200	-	23.1	14.5	9.7	6.8	4.9	3.7	2.8	2.3	2.1
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	7.4	6.2	5.3	4.6	4.1	3.7	3.4	3.1	2.8	2.7
	Max. Deflection (mm)	3.2	4.6	6.3	8.2	10.4	12.8	15.5	18.5	21.7	22.5
	Safe Load Limit (kPa) for Span/200	-	6.1	4.4	3.4	2.7	2.2	1.8	1.5	1.3	1.2

Legend: ■ Spans at engineer's discretion ■ Spans at AS1657 allowing for span/200 deflection

AMPLIGRIP ALUMINIUM GRATINGS

AMPLIGRIP 400 SERIES SAFE LOAD TABLES

Safe Load and Deflection Tables Ampligrip 440/500mm wide panels Clamped on min. 25mm supports

SINGLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	48.1	33.5	24.6	18.8	14.9	12.1	9.9	8.4	7.1	6.1	5.3	4.7	4.2	3.7	3.3	3.0
	Max. Deflection (mm)	3.9	5.6	7.6	9.9	12.5	15.4	18.7	22.2	26.1	30.2	34.7	39.5	44.6	50.0	55.7	61.7
	Safe Load Limit (kPa) for Span/200	46.2	26.9	17.0	11.4	8.0	5.9	4.4	3.4	2.6	2.1	1.7	1.4	1.2	1.0	0.85	0.73
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	9.0	7.5	6.5	5.6	5.0	4.5	4.1	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.4	2.3
	Max. Deflection (mm)	3.1	4.4	6.1	7.8	10.0	12.3	14.9	17.8	20.9	24.2	27.8	31.6	35.7	40.0	44.6	49.4
	Safe Load Limit (kPa) for Span/200	-	-	5.6	4.3	3.4	2.7	2.2	1.9	1.6	1.4	1.2	1.0	0.9	0.8	0.7	0.6

DOUBLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	48.1	33.5	24.6	18.8	14.9	12.1	9.9	8.4	7.1	6.1	5.3	4.7	4.2	3.7	3.3	3.0
	Max. Deflection (mm)	1.6	2.3	3.1	4.1	5.2	6.4	7.7	9.2	10.8	12.6	14.4	16.4	18.5	20.7	23.1	25.6
	Safe Load Limit (kPa) for Span/200	-	-	-	-	-	-	-	8.2	6.4	5.1	4.1	3.4	2.9	2.4	2.0	1.8
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	12.1	10.1	8.6	7.5	6.7	6.0	5.5	5.0	4.6	4.3	4.0	3.8	3.6	3.3	3.1	3.0
	Max. Deflection (mm)	1.9	2.6	3.6	4.7	5.9	7.4	8.9	10.6	12.5	14.5	16.6	18.9	21.3	23.9	26.6	29.5
	Safe Load Limit (kPa) for Span/200	-	-	-	-	-	-	5.1	4.2	3.6	3.1	2.7	2.4	2.1	1.9	1.7	1.5

TRIPLE SPAN

LOAD CONDITION	LOADING CRITERIA	750	900	1050	1200	1350	1500	1650	1800	1950	2000
Uniform Distributed Load (500mm wide panel)	Max. Load Capacity (kPa)	60.4	41.9	30.7	23.6	18.6	15.0	12.5	10.5	8.9	7.7
	Max. Deflection (mm)	2.5	3.6	4.9	6.4	8.1	10.1	12.1	14.4	16.9	19.7
	Safe Load Limit (kPa) for Span/200	-	-	-	22.1	15.5	11.3	8.5	6.5	5.1	4.1
Concentrated Line load (500mm wide panel)	Max. Load Capacity (kN)	12.9	10.8	9.2	8.1	7.2	6.4	5.9	5.4	5.0	4.9
	Max. Deflection (mm)	2.5	3.5	4.8	6.3	7.9	9.8	11.9	14.1	16.6	17.1
	Safe Load Limit (kPa) for Span/200	-	-	-	7.7	6.1	4.9	4.1	3.4	2.9	2.8

Legend: ■ Spans at engineer's discretion ■ Spans at AS1657 allowing for span/200 deflection

GUARDSAFE™ ACCESS SYSTEMS

GUARDSAFE ACCESS SYSTEMS ARE THE COMPLETE INDUSTRIAL ACCESS SYSTEM.

It's simple logic that any system works more effectively when all the components are designed to be 100% compatible.

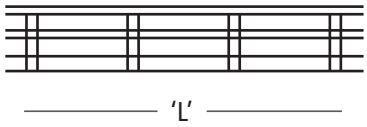
This is the strategy behind Guardsafe Access Systems by Juralco. Guardsafe Access Systems are the first completely integrated systems of aluminium guardrails, flooring and supports available directly from Australia's most innovative aluminium manufacturer. Thus eliminating inherent problems with matching componentry and costly supply delays.

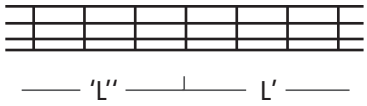
Specifying Guardsafe Systems ensures total design integration enabling safe and comfortable employee access.

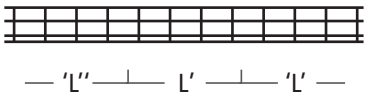
Please note: This system has been designed and tested using Ampligrip™ aluminium grating exclusively as the walkway component. Use of a substitute walkway component or any variation to recommended installation and assembly instructions will invalidate published load/span tables, and guarantees offered by Juralco.™

Guardsafe Span Tables

	2.5KPA AS 1657			4.0KPA AS1170.1		
NOMINAL WIDTH (MM)	2 HANDRAILS	1 HANDRAIL	NONE	2 HANDRAILS	1 HANDRAIL	NONE
SINGLE SPANS HANDRAILS BOTH SIDES						
600	7.70	6.54	6.16	6.2	5.27	4.96
900	6.40	5.44	5.12	5.10	4.33	4.08
1200	5.40	4.59	4.32	4.40	3.74	3.52
DOUBLE SPANS HANDRAILS BOTH SIDES						
600	8.10	6.88	6.48	6.50	5.52	5.20
900	6.70	5.70	5.36	5.40	4.60	4.32
1200	5.70	4.85	4.56	4.60	3.90	3.68
THREE OR MORE CONTINUOUS SPANS HANDRAILS BOTH SIDES						
600	8.47	7.20	6.77	6.80	5.78	5.44
900	7.00	5.95	5.60	5.60	4.76	4.48
1200	5.90	5.00	4.72	4.80	4.08	3.84







Guardsafe Features and Benefits

- Specifying Guardsafe Systems ensures total design integration enabling safe and comfortable employee access.
- Fabricated from aluminium, the systems are lightweight and corrosion resistant.
- Guardsafe Access Systems can be mechanically assembled on site using only basic tools and much reduced labour compared to steel and other systems. No site welding is required and cranage is often unnecessary.
- Proven Ampligrip aluminium grating and stair tread products can be integrated into the system design.
- Guardsafe Systems are flexible in design, most components are ex-stock and special components can be made promptly to order.
- Guardsafe Guardrails can be specified separately as either surface or face mounted.
- Guardsafe Access Systems are designed and tested to meet the relevant requirements of AS-1657-2013 and AS-1170 Part 1-1989.
- Professional technical advice is readily available and design assistance is offered on specific projects.
- Guardsafe Systems are capable of continuous horizontal spans of up to 8.47m (refer to Guardsafe span tables). High span to weight ratio.
- Low cost system when installed.
- Easy and quick to install reducing plant downtime.
- No welding required to fabricate or install.
- Flexible in design and easily modified on site to suit the specific application.

Guardsafe Systems Applications

- Lightweight Walkways
- Access Stairways and Landings
- Marine Gangways
- Protective Guardrails
- Suspended Catwalks
- Sewerage Treatments
- Access Roof Walking
- Guardrails
- Scaffolds
- Gantries Work Platforms

WALKMASTER ROOF WALKWAY SYSTEMS

WALKMASTER SIMPLIFIES ROOF ACCESS PROBLEMS WITH MINIMAL STRUCTURAL IMPACT.

Never has safety in the workplace had a higher priority. Accidents, employee unrest, legal battles and close statutory scrutiny can result from not adhering to Codes of Practice for Safe Work on Roofs, Walkway Codes, State and local government regulations.

The Walkmaster Roof Walkway Systems from Juralco can help with these issues by providing safe access to roof top plant and equipment. Walkmaster is a simple to install, lightweight yet incredibly strong and virtually maintenance-free walkway system which provides a simple solution to safety in the workplace.

The Walkmaster Roof Walkway Systems can easily be fitted with aluminium handrails on one or both sides of the walkway. All walkways and handrails are designed to meet the relevant requirements of AS1657-1992 and various statutory codes of practice.

The Walkmaster Roof Walkway System without handrail, weighs less than 7kg per metre and thus exerts only an additional 0.12kN additional dead load to the existing roof.

The Juralco Technical Centre can advise on walkway solutions for a wide range of roofing designs and configurations. The Walkmaster Roof Walkway System can be installed without having to follow purlin locations unlike heavier alternative systems. The Walkmaster Handrail System can be installed at the time of initial walkway installation or retro-fitted at a later stage, without removal of the existing walkway.

Detailed drawings and technical data sheets of the Walkmaster Roof Walkway System are available upon request.

Walkmaster Features and Benefits

- Provides safe, non-slip, non-trip access to rooftop plant and equipment.
- Lightweight, strong and virtually maintenance-free.
- Rust-free, eliminating damage to metal roofs.
- Handrail system can be easily fitted to one or both sides of the walkway.
- Suits almost all kinds of pitched roof designs.
- Compatible with all metal deck profiles. Fibre cement sheet and tile roof option available.
- Cost effective option to replacing damaged roofs.
- Walkways and handrails can be installed when the initial roof is laid, retro-fitted or added to at a later stage according to budgetary constraints.
- Non-penetrative option for fixing to most low pitched profiles thereby eliminating leakage points.

JURALCO EXTRUSIONS

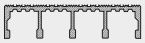
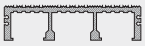
MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
813662		Angle 32x32x3.0	EK9118	6060	T5	6500	MF	3.211	128	128		■	■	■	■	■	■	■	■
808541		Tube 38.1x2.0	E40015	6060	T5	6500	MF	3.978	120	120		■		■					
813730		Channel 40x25x3.0	EK9162	6060	T5	6500	MF	4.42	174	174		■	■	■	■	■	■	■	■
948526		Handrail Post Reinforcement	EP10349	6061	T6	6000	MF	9.414	192	192				■					
813965		Flat Bar 50x6.0 RAD	EX4024	6060	T5	4000	MF	3.232	110	110	RAD	■	■	■	■			■	■
813975		Flat Bar 50x10	EX4032	6060	T5	4000	MF	5.4	120	120		■	■	■	■	■	■	■	■
813690		Angle 50x50x3.0	EK9132	6060	T5	6500	MF	5.109	200	200		■	■	■	■	■	■	■	■
813692		Angle 50x50x4.0	EK9133	6060	T5	6500	MF	6.74	200	200		■	■	■	■	■		■	
814093		Tube 50x3.0	EX5041	6060	T5	6500	MF	7.774	157	157		■	■	■	■	■	■	■	■
856085		Tube 50x3.0	EX5041	6005A	T5	6000	MF	7.176	157	157		■		■					
906793		GS002 Handrail Post 2mm Thick	E32088	6063	T6	6000	MF	7.044	219	219	RAD	■	■						
840368		Angle 60x25x3.0	EB1155	6060	T5	6500	MF	4.316	169	169		■	■	■		■			
813772		RHS 60x40x3.0	EL8015	6060	T5	6500	MF	9.899	200	200		■	■	■	■	■	■	■	■
907905		GS026 Heavy Duty Post (Extrusion)	EA2415	6005A	T5	6000	MF	12.51	229	229	RAD	■	■						
841492		Angle 80x80x6.0	EK9138	6060	T5	6500	MF	16.211	319	319		■	■	■	■	■	■	■	■
913264		GS011 Handrail Saddle Bracket (Extrusion)	EAL22005	6060	T5	4000	MF	8.732	162	381			■	■					
813986		Flat Bar 100x12	EX4042	6060	T5	4000	MF	12.96	224	224		■	■	■	■	■	■	■	
815321		Channel 100x50x3.0	EB1208	6060	T5	6500	MF	10.212	394	394		■	■	■			■	■	
813788		RHS 100x50x3.0	EL8025	6060	T5	6500	MF	15.164	300	300		■	■	■	■	■	■	■	■
808371		Rub Rail Double 109.5x19.05	EE4099	6060	T5	6500	MF	4.504	318	318		■	■	■	■		■	■	
842006		RHS 125x50x3.0	EL8030	6060	T5	6500	MF	17.791	349	349		■	■						■
815453		RHS 150x50x3.0	EL8033	6060	T5	6500	MF	20.43	400	400		■	■	■	■	■	■	■	■

Capral Limited reserves the right to change specifications and stocking locations without notice.

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	COATING DESCRIPTION	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	RAD INDICATOR	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
816284		Flat Bar 160x10.0	EX4035	6060	T5	4000	MF	17.28	340	340		■	■	■	■	■	■	■	■
815456		RHS 200x50x3.0	EL8035	6060	T5	6500	MF	25.694	500	500		■	■	■	■	■	■	■	■
913288		GS001 Guardsafe Beam	EAL22055	6060	T5	8000	MF	26.32	379	765			■	■					
913287		GS001 Guardsafe Beam	EAL22055	6060	T5	6000	MF	19.74	379	765		■							
913292		GS006 Tie Beam Channel (Extrusion)	EAL4218	6060	T5	6000	MF	9.426	392	392				■					
837246		GS008 Knee Rail Bracket (Extrusion)	E32270	6060	T5	4000	MF	4.492	258	258			■	■					
913342		GS010 Handrail Post Connector With Leg	E33604	6060	T5	4000	MF	7.064	314	314			■	■					
837741		GS013 Handrail Splice (Extrusion)	E35020	6061	T6	3000	MF	2.115	213	213			■	■					
837285		GS014 Knee Rail Splice (Extrusion)	E32423	6060	T5	6000	MF	2.028	169	169			■	■					
913300		GS025 Toe Board	EAL97694	6060	T5	6000	MF	6.51	354	354				■					
839478		GS028 Handrail Sleeve Bracket(Extrusion)	EA2833	6060	T5	4000	MF	12.296	200	433				■					
836173		JA002 "F" Section 40mm End Bar	E19395	6060	T5	4000	MF	2.192	144	144				■					
836174		JA003 "F" Section 440 End Bar Stairtread	E19396	6060	T5	4000	MF	3.456	217	217				■					
914523		JA004 "F" Section End Bar For 30mm Mesh	ED7777	6060	T5	4000	MF	3.712	100	202				■					
914420		JA005 "C" Section 202 End Bar	ED7250	6060	T5	6000	MF	2.784	100	122		■	■						
913194		JA006 "I" Section 202 Joining Bar	ED7251	6060	T5	6000	MF	4.536	209	209		■	■						
913302		JA008 60x40x3 Walkway/Handrail Support	EALH12193	6060	T5	6000	MF	9.132	199	199		■							
914422		JA011 40x25x3 "C" Section W/Way Support	ED7334	6060	T5	6000	MF	4.08	100	174		■							
914424		JA023 "C" Section 430 End Bar	ED7364	6060	T5	6000	MF	3.48	100	148				■					
914506		JA024 W/Way Support - Fibre Cement Roof	ED7748	6060	T5	6000	MF	12.072	249	249				■					
914425		JA025 "I" Section 430 Joining Bar	ED7366	6060	T5	6000	MF	4.992	100	224				■					
935616		JA031 Walkway & Handrail Support	ED8694	6060	T5	6000	MF	9.27	451	451		■							
935622		JA032 Offset Support Channel	ED8675	6060	T5	6000	MF	4.038	203	203		■	■						
914707		JA105 "C" Section 201 Mesh End Bar	ED8502	6060	T5	6000	MF	2.316	100	104		■	■						
914708		JA106 "I" Section 201 Mesh Joining Bar	ED8503	6060	T5	6000	MF	4.152	100	195		■	■						

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

JURALCO WALKWAYS

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (mm)	KGS – EACH	PAINT PERIMETER	ANODISE PERIMETER	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
314313		201600 201 600 Ampligrip MMRAW 5.86m	201600	6063	T4	5860	5.117	907	907	■	■	■	■		■		■
314311		202600 202 600 Ampligrip MMRAW 5.86m	202600	6063	T4	5860	6.013	1435	1435	■	■	■	■	■			
314315		400250 400 250 Stair Tread MMRAW 5.83m	400250	6063	T4	5830	4.497	807	807			■					
314316		430300 430 300 Ampligrip MMRAW 5.83m	430300	6063	T4	5830	4.844	865	865	■		■					
314312		430500 430 500 Ampligrip MMRAW 5.83m	430500	6063	T4	5830	7.411	1334	1334			■			■		
314317		440500 440 500 Ampligrip MMRAW 5.83m	440500	6063	T4	5830	8.325	1514	1514			■			■		
316906		Almee Grate 40mm-MF-Knurled-0250-6000	0250	6063	T4	6000	5.06	787	787						■		
316907		Almee Grate 40mm-MF-Knurled-0500-6000	0500	6063	T4	6000	8.629	1366	1366						■		

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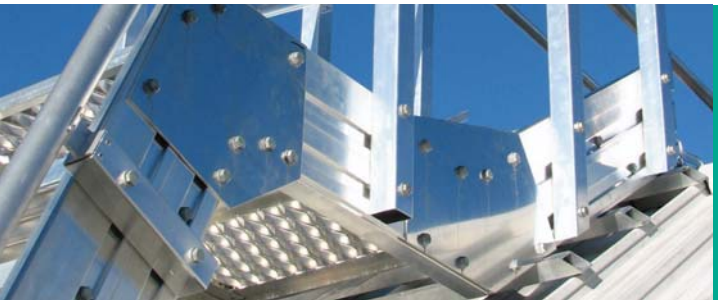
JURALCO ACCESSORIES



MATERIAL	DIAGRAM	BASIC MATERIAL	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
310587		GS049 4 Dia x 9.5 S/S Rivet	■	■	■					
310590		GS052 M12 Flat Washer Galvanised			■					
310591		GS053 M12 Spring Washer HD Galvanised			■					
310592		GS054 M12x100 Bolt & Nut Galvanised	■		■					
310593		GS055 M12X85 Bolt & Nut Galvanised			■					
310594		GS056 M12X45 Bolt & Nut Galvanised			■					
310598		GS100 Beam Tie 600 Walkway MMRAW 0620			■					
310603		GS103 W/W Beam Splice Plate MMRAW		■	■					
311218		GS10445 W/Way 45Deg S/Plate MMRAW			■					
312022		GS104R45 Rev 45 Deg SPlice Plate MMRAW			■					
310606		GS105 Post Bolt Plate MMRAW			■					
310607		GS106 Angle Connector MMRAW			■					
312023		GS10845L Angle Foot 45 Deg LH MMRAW			■					
312024		GS10845R Angle Foot 45 Deg RH MMRAW			■					
310608		GS109 Post Foot Horiz Mount MMRAW			■					
310611		GS114 Knee Rail Bracket 45 MMRAW	■		■					
310613		GS120 Closure Bend 90Deg MMRAW			■					
310816		GS12145 Closure Bends Stairs MMRAW			■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

JURALCO ACCESSORIES

MATERIAL	DIAGRAM	BASIC MATERIAL	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
310615		GS122 Handrail Splice 195mm MMRAW	■		■					
310616		GS123 Knee Rail Splice 195mm MMRAW	■		■					
310619		GS126 Stair Tread 620 Wide MMRAW 0620			■					
310622		GS130 Handrail Post Connect MMRAW	■		■					
310937		GS13145L 45 DEG Handrail Connect MMRAW			■					
310938		GS13145R 45 DEG Handrail Connect MMRAW			■					
310623		GS132 Handrail End Cap MMRAW	■	■	■					
310625		GS133 Knee Rail End Cap MMRAW	■	■	■					
310631		GS137 Handrail Bracket MMRAW	■		■					
310819		GS13845 Handrail Bracket Angled MMRAW			■					
310637		GS146 Connecting Sleeve MMRAW			■					
310638		GS147 Hand Rail 90Deg Elbow MMRAW	■	■	■					
310639		GS148 Knee Rail 90Deg Elbow MMRAW	■	■	■					
310641		GS150 Handrail Post Strut MMRAW 0500	■		■					
310642		GS150 Handrail Post Strut MMRAW 0640			■					
310645		GS156 Heavy Duty Post MMRAW			■					
301608		JA007 58mm Aluminium Juralco Retaining Disc	■	■	■					
310647		JA009 12/14X45 S/Drilling Tek Screw	■	■	■					
310648		JA010 W/W Mount Bracket			■					
310649		JA012 Grating Clamp			■					
310652		JA016 M6X60 S/Steel Screw			■					
310654		JA018 W/Nut WNQ-1032 Tuck	■		■					

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MATERIAL	DIAGRAM	BASIC MATERIAL	NSW	VIC	QLD	NORTH QLD	SA	WA	TAS	NT
310655		JA019 10.32 28mm S/S Hex Head Screw	■		■					
310656		JA020 Dekbond Washer 10x16 Aluminium	■		■					
310657		JA021 EPDM Spacer 3mm	■	■	■					
314423		JA033 Klamtite 1/4" BAPKTR Blind Rivet			■					
308907		JA159 Knuckle Joint	■	■	■					
308908		JA160 Knuckle Joint Sleeve	■	■	■					

Abbreviations: **MF** Mill Finish **PWG** Pearl White Gloss **BS** Bright Silver **CLR** Clear **BLDKS** Black Satin **BLK** Black **CBSM** Colourbond Surfmist Matt **WRCT** Western Red Cedar Texture

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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 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 is an environmentally sustainable material.

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.

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, 85% and 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.

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 life.

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.

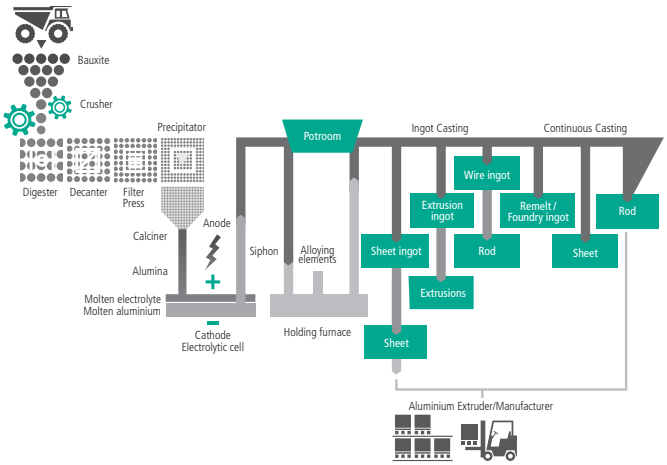
PRODUCTION PROCESS

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 Mining and Production



ALUMINIUM - THE SUPER METAL

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.
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.

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. The principal things to guard are conditions that might cause surface abrasions or water stains. 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 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.

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.

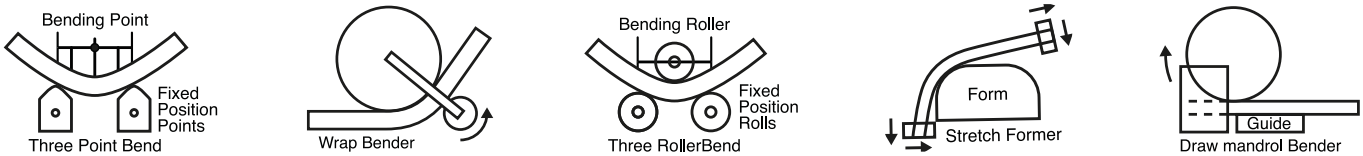
Caring for anodised aluminium

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.

BENDING INFORMATION



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.

ALUMINIUM - THE SUPER METAL

IMPORTANT SAFETY INFORMATION

Capral Aluminium believes a strong focus on safety in all work places is essential. We take our obligation to provide a safe workplace very seriously. Our supportive, rigorously enforced safety culture ensures there is a minimum risk for our people and therefore minimum disruption to your business.

"The most important reason for making your workplace safe, is not at work at all."

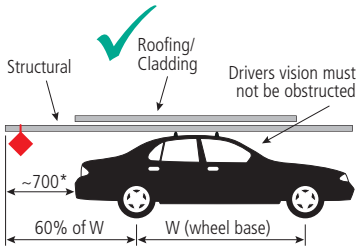
The most treasured moments of our lives happen outside of work, which is why it is so important to go home safely. An incident at work affects more than just the injured person. Capral Aluminium encourages you to take a moment before commencing any task to consider your safety and the safety of others.

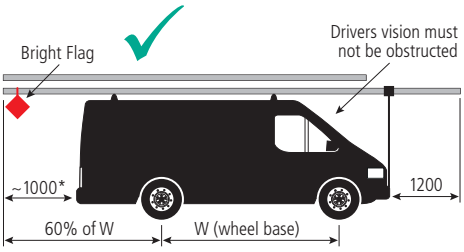
SAFETY AT OUR SITES

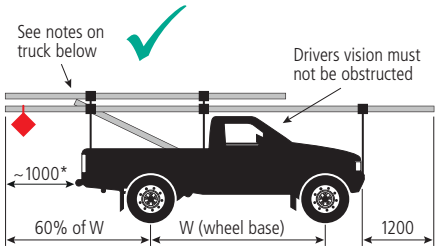
Capral Aluminium does not compromise on safety and we believe that all injuries, occupational illnesses and incidents are preventable. Achieving zero incidents is possible in all Capral Aluminium businesses by maintaining a strong focus on the health and safety of all employees, contractors and customers.

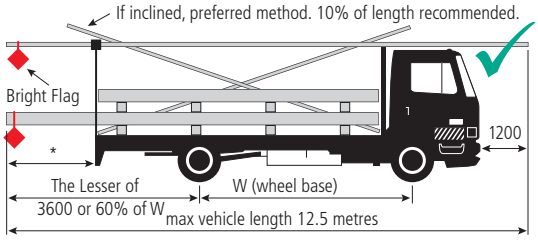
Capral Aluminium's "Goal Zero" target aims to ensure employees can go home in the same condition that they came to work. Capral Aluminium has implemented stringent safety policies and procedures that enable us to strive for our safety goal.

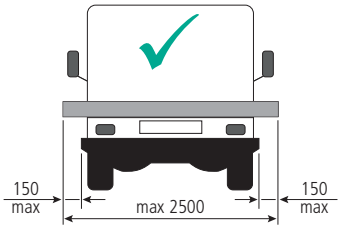
We appreciate your compliance with our safety policies when you visit our sites.



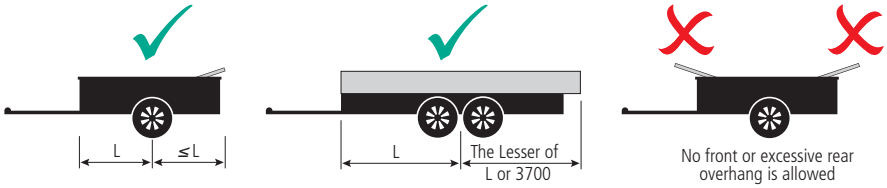




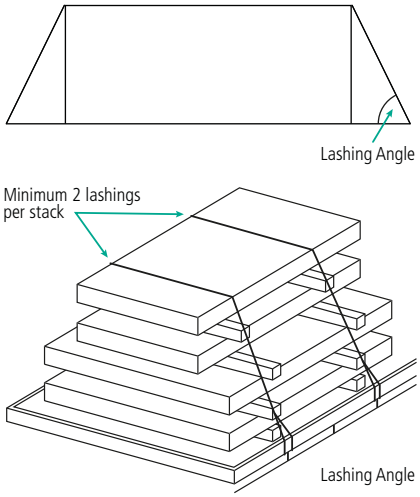




*Maximum 1200mm for vehicles less than 4.5 tonne or 9.5 metres (provided the rear overhang is less than 3700mm or 60% W)



The rear overhang of a trailer must be less than the front load carrying area or 3.7m (whichever is less).



LOAD RESTRAINT

We can arrange for the material to be delivered to you, for the relevant delivery fee. If however you wish to collect your product we will use the following guidelines to ensure your vehicle is suitable to carry the material.

Driver's vision must not be obstructed. Overhangs that are dangerous are not acceptable, even if they are within the limits below. A minimum 300mm square bright red flag is required on any overhangs that cannot be easily seen. This is mandatory for overhangs beyond 1200mm past the end of a vehicle (i.e. for trucks). **Capral Aluminium reserve the right to refuse any vehicle that falls outside of these guidelines.**

All loads must be restrained to prevent movement during transporting of material. In particular the load must be restrained to be able to resist specific forces in different directions of movement. Refer to the "Load Restraint Guide", National Transport Commission (www.ntc.gov.au).

Minimum load restraint requirements have been designed to meet the above conditions for unitised flat loads. Round loads must be belly wrapped and may require extra lashing (see table on top of following page).

Recommended minimum 1 lashing per 1.5 metres along load for long or lightweight sheet.

Capral Aluminium will not load more than 50kg on roof racks or 80kg on Ute trade racks unless provided with written verification that the vehicle is capable of higher load. For more details on load restrictions, restraints and on site safety please talk to our staff.

LASHING ANGLE TO HORIZONTAL	25MM HAND TIGHTENED WEBBING	25MM RATCHET WEBBING	35MM RATCHET WEBBING	10MM SYNTHETIC ROPE WITH SINGLE HITCH
60 to 90°	52 kg per strap	173 kg	433 kg	87 kg
45 to 60°	46 kg per strap	141 kg	353 kg	71 kg
30 to 45°	30 kg per strap	100 kg	250 kg	50 kg
15 to 30°	15 kg per strap	52 kg	129 kg	26 kg

These guidelines are provided to you by Capral Aluminium for guidance only, and compliance with applicable laws and standards remains your responsibility. Whilst Capral Aluminium has taken considerable care to develop transport safety guidelines that are effective and comply with all requirements, Capral Aluminium makes no warranty as to the applicability of these methods in all circumstances.

It remains your responsibility at all times to ensure that the methods you use are adequate for the particular situation and where appropriate you should take further precautions. The contents of these guidelines are confidential to and the property of Capral Aluminium and you may only use these guidelines with permission from Capral Aluminium.

ALLOY, TEMPER & MECHANICAL SPECIFICATIONS

INTRODUCTION

The following provides designers and specifiers with basic information and guidelines on the use of aluminium in structural applications. It is intended to supplement the design criteria set out in the Standards Australia Aluminium Structures code AS/NZS 1664 and Welding Code AS 1665.

Further information on the structural use of aluminium can be found in AAC (Australian Aluminium Council) publication - "Aluminium Standards Data and Design, Wrought products".

A range of extruded aluminium standard shapes, available from Capral Aluminium, are listed, together with their extrusion numbers for ready identification.

WHY DESIGN IN ALUMINIUM?

The advantage of using aluminium in structural applications has long been recognised by the aircraft industry. Design engineers should seriously consider using aluminium for down-to-earth structures, which often can be designed and built in aluminium with a lower total cost (including maintenance and replacement costs) than is possible using other common materials.

Design in aluminium because:

- The relatively high strength-to-weight ratio of aluminium results in a structure having a lower mass than when most other structural materials are used. Weight savings of 50 per cent are common with aluminium compared with equivalent structures in steel. In long span structures, where the dead weight constitutes a large portion of the load, even greater weight savings may be achieved.
- The natural corrosion resistance of aluminium usually obviates the need for elaborate and costly protective coatings which are required for other materials in many applications, particularly in "wet" environments. Such treatments, where used, require regular maintenance, which is eliminated when unpainted aluminium will do the job. The resulting savings in maintenance costs are often the deciding factor in making aluminium the most economical material for a given structure.
- The light weight of aluminium can result in economies because of smaller foundations, and lower installation and erection costs. For example, a single or a lighter crane may be adequate, and fewer men may be needed to handle the items.
- Efficient one-piece extruded shapes that cannot be produced by any other method are obtained in aluminium. Thus, custom-designed shapes can be produced to achieve maximum design efficiency as well as reductions in material usage and fabrication costs.
- Aluminium can be easily joined by the conventional processes of bolting, riveting, welding and adhesive bonding.
- Aluminium is easily worked by the normal metal working processes, with faster cutting and drilling times than for steel.
- Aluminium is non-magnetic, which can be advantageous around certain electrical installations.

For the maximum benefit to be obtained from using aluminium in structural applications, both design and construction must be based on a sound knowledge of the material and should not be unduly influenced by previous conceptions of similar steel structures.

ALUMINIUM ALLOYS AND SELECTION

Commercially pure aluminium has a comparatively low tensile strength of about 90MPa, which limits its usefulness as a structural material. Large increases in strength can be obtained by alloying aluminium with small percentages of one or more elements such as manganese, silicon, copper, magnesium or zinc, with strength improvements being made by cold working or heat treatment. This is why alloys of aluminium are used for all structural purposes.

The Australian Aluminium Council has adopted a system for designating wrought aluminium alloys based on four digits. The first digit of the designation serves to indicate the alloy group. The second digit indicates modifications of the original alloy or impurity limits. The last two digits identify the aluminium alloy or indicate the aluminium purity. In general, AAC alloys are similar to, if not, the same as Aluminium Association (USA) or British Standard alloys having the same number designation. Alloys and alloy designation systems are covered to a greater depth in a book entitled "Standards, Data and Design for Wrought Products",

published by the Australian Aluminium Council. The selection of the proper alloy for a specific application depends on the requirements of strength, durability and cost, the proposed fabrication method and, finally, by the availability of the products.

AS/NZS 1664 gives tables of minimum mechanical properties and maximum permissible stresses for a number of aluminium alloys in various tempers. Designers are reminded that lower permissible stresses apply in zones adjacent to welding.

The most commonly used aluminium alloy for structural and semi-structural extrusions are alloys 6060 and 6063 in T5 temper. These are medium strength alloys favoured for architectural shapes because of lower cost, good resistance to corrosion, excellent extrudability and response to decorative and protective anodic surface treatments.

Where additional strength is required, alloys such as 6061/T6 or 6082/T5 or T6 are recommended because of higher yield strengths. These alloys are marginally more costly than alloy 6060 but are permitted significantly higher maximum stresses by AS/NZS 1664.

Series 5000 alloys are the normal choice for sheet and plate used in structural applications. Alloys 5052, 5251 and 5454 have sufficient strength for general structural purposes and have the benefit of excellent corrosion resistance. Alloys 5086 and 5083 are used predominantly in applications in combination with alloy 6061 extrusions, and where welding is the means of jointing. For corrosion resistance, alloys 5052, 5251 and 5454 are marginally superior to alloys 5083 and 5086 in the hard tempers.

CORROSION RESISTANCE

Good design principles can maximise aluminium's natural corrosion resistance. Where adequate and simple precautions are not allowed for at the design stage problems can eventuate:

- Galvanic corrosion can occur when aluminium is in contact with another metal in the presence of an electrolyte. Mild environments such as rural atmospheres and fresh water seldom present problems, but aggressive environments such as marine atmosphere and sea water can produce severe cases of galvanic corrosion. Under such conditions aluminium should be insulated from all other metals. A minimum practice is to coat both surfaces with a zinc chromate pigmented paint and allow the paint to dry before fitting the parts together.
- Crevice corrosion can be eliminated by avoiding crevices, which may trap dirt or moisture, or by filling the joint with an inhibiting jointing compound (of bitumen, polysulphide or butyl rubber) to prevent the entry of moisture.
- Poultice corrosion occurs when materials such as cloth, cork, paper, accumulations of dirt, etc. can become moist whilst remaining in contact with aluminium.

Aluminium which is to be placed in contact with damp concrete or damp wood should be given a coat of alkali-resistant bituminous paint, or the contact should be broken by an impervious, non-aggressive membrane. It is recommended that wherever practicable aluminium structures be bolted to concrete bases, with the aluminium being treated as above, rather than coating the aluminium and embedding it in concrete.

ALUMINIUM IN THE GROUND

Aluminium generally can be buried in the ground where the resistivity of the soil is no less than 1,000 ohm cm, and the pH of the soil falls within the range 4.5 to 9.0. Outside this range the corrosion resistance of bare aluminium is uncertain. Dissimilar metals should not be bonded to the buried aluminium. With silts having a high organic content, test panels are recommended prior to deciding on aluminium. If the above conditions are not fulfilled the aluminium should be covered with a suitable protective coating. A heavy coat of a bituminous paint usually will be satisfactory. Aluminium buried in the ground must not be used as a normal electrical earth.

AUSTRALIAN STANDARDS

Two Australian Standards are of particular interest to designers wanting to design structures or structural components in aluminium. These standards are AS/NZS 1664, SAA Aluminium Structures Code, and AS 1665, SAA Aluminium Welding Code.

AS/NZS 1664, SAA Aluminium Structures Code applies to the design and fabrication of aluminium structures.

AS 1665, SAA Aluminium Welding Code is concerned with the fusion welding of aluminium, for structural purposes, by inert-gas arc welding processes. This code has been prepared for use in conjunction with AS/NZS 1664.

Should there be any apparent conflict between any statement in this catalogue and either of the above codes, the designer shall follow the ruling of the codes.

DEFLECTION

The elastic modulus of aluminium, at around 69,000 MPa, is about one-third that of structural steel, and is virtually the same for all alloys. Hence, where dead weight of the structure represents only a small portion of the total load, an aluminium member with the same dimensions as the steel member will deflect about three times as much as the steel member. Such deflections are not usually acceptable in structures and to overcome this the depth of the aluminium members must be increased so as to increase stiffness. Notwithstanding the increased depth of an aluminium member, it will generally still be of lighter mass than the equivalent structure in steel. The versatility of the extrusion process can result in an even greater mass differential between a given aluminium and a given steel structure.

The low elastic modulus of aluminium results in lower stresses from impact and strain than for structural steel.

TEMPERATURE EFFECTS

The coefficient of linear thermal expansion of aluminium alloys is about twice that of structural steel. Because the elastic modulus of aluminium is only about one-third that of steel, stresses in an aluminium structure resulting from temperature changes will be only about 70 percent of those in a comparable steel structure.

As the temperature increases, both the strength and elastic modulus of aluminium alloys decrease. Allowance is not usually made for this strength decrease for temperatures below 100°C. Above 100°C aluminium

alloys begin to lose strength, however, hot spots are not likely to occur with aluminium because its excellent thermal conductivity will flatten the temperature gradient. Correspondingly, reductions in temperature have the effect of improving the mechanical properties of aluminium alloys without any of the brittleness that occurs in many steels. For this reason most aluminium alloys are especially suitable for cryogenic and other low temperature applications.

Creep may become a factor in applications where high stresses are prolonged at operating temperatures in excess of 100°C and in these conditions consideration should be given to reducing the allowable design stresses. The following table lists average expansions for aluminium and a number of common construction materials. It should be remembered that allowances may have to be made for the contraction of aluminium members as well as their expansion relative to adjacent materials.

Average free expansion or contraction in mm per metre of length

	TEMPERATURE DIFFERENTIAL (FOR GENERAL STRUCTURAL USE WITH TEMPERATURES NOT EXCEEDING 100°C)						
MATERIAL	10°C	20°C	30°C	40°C	50°C	60°C	70°C
ALUMINIUM ALLOYS							
6061	0.236	0.472	0.708	0.944	1.180	1.416	1.652
6063	0.234	0.468	0.702	0.936	1.170	1.404	1.638
5083	0.238	0.476	0.714	0.952	1.190	1.428	1.666
6351	0.230	0.460	0.690	0.920	1.150	1.380	1.610
OTHER MATERIALS							
Structural Steel	0.121	0.242	0.363	0.484	0.605	0.726	0.847
Stainless Steel	0.178	0.356	0.534	0.712	0.890	1.068	1.246
Brass	0.188	0.375	0.563	0.750	0.938	1.125	1.313
Lead	0.510	1.020	1.530	2.040	2.550	3.060	3.570
Concrete	0.142	0.284	0.426	0.568	0.710	0.852	0.994
Brickwork	0.056	0.112	0.168	0.224	0.280	0.336	0.392

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.

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".

Punching, reaming and drilling

Bolt or rivet holes in primary-load-carrying members should be drilled, or subpunched 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 percent 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.

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 back-up 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 steels 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 percent or 80 percent of the lowest torque obtained in these tests for tightening all bolts of this size and type on the job.

The 70 percent value should be used for "temporary" bolts, or those which may be removed occasionally, whilst the 80 percent 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.

STRUCTURAL DESIGN DATA

The tables listed in the pages of this catalogue show most of the properties of shapes necessary to basic calculations to determine the integrity of an aluminium product or structure.

Capral Aluminium's Computer Aided Design (CAD) equipment enables section properties of any shape to be automatically determined.

The section properties readily determined by our CAD are:

- Perimeter
- Area
- Mass
- First Moments or Modulus
- Second Moments of Inertia
- Radii of Gyration
- Principal Axes
- Circle Size
- Centre of Shape

Much more Structural Design Data, such as formulae and different alloy strengths, is given in the Aluminium Development Council's Engineers' Handbook for Aluminium, with close cross reference to AS1664 - the Aluminium Structures Code and AS1665 - The Aluminium Welding Code.

The similarities of designing structures with aluminium to those using steel or timber, means engineers will find adapting to the few differences in the material properties very easy. The main point is that all materials and alloys of materials are different, and knowledge of those differences is needed to do comparative designing. This knowledge is readily available from Capral Aluminium or industry manuals.

ENGINEERING GENERAL INFORMATION

Aluminium is eminently suitable for many engineered structures, particularly where weight saving and corrosion resistance are requirements.

Purlins and girts for cladding, walkways and stairs, scaffolding, mining skips, oil and gas platforms, highway barrier railings, electrical conductors, etc., are only a few of the never-ending range of structures that can benefit from this weight saving (a third that of steel), strong (up to 350 MPa) and corrosion-resistant material.

ALUMINIUM EXTRUSIONS AND COMPETING MATERIALS

Products made from aluminium extrusions deliver high performance. Light, strong, attractive, economical…aluminium extrusions offer the designer and manufacturer choices and combinations of useful characteristics unmatched by any other material. In fact, they have dozens of advantages. Some are well-known; others may be less familiar but are important, and even vital, in applications that require them.

Described in the table on right are the major advantages that make aluminium extrusions such versatile and desirable products. For convenience and clarity they are grouped under two broad headings:

PHYSICAL/CHEMICAL ADVANTAGES *Characteristic of aluminium itself*	PRODUCT ADVANTAGES *Characteristic of extruded aluminium products*
Lightweight	Attractive appearance
Strong	Wide range of finishes
High strength/weight ratio	Virtually seamless
Resilient	Easy to fabricate
Corrosion-resistant	Joinable in many ways
Heat-conducting	Easy-assembly designs
Non-toxic	Complex, integral shapes
Reflective	Precise, close tolerances
Electrically conducting	Assured, uniform quality
Non-sparking	Recyclable
Non-magnetic	Cost-effective
Non-combustible	Design freedom
Cold strength	

The advantages of aluminium extrusions can be selected and mixed almost, without limit. The designer or manufacturer need not trade-away most advantages to gain a few, as is often the case with other materials. He or she can tailor the product, with aluminium extrusions, to suit the needs and tastes of company and customer in a single material and process.

ALLOY, TEMPER & MECHANICAL SPECIFICATIONS

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).

TEMPER DESIGNATION SYSTEMS

Tempers

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.

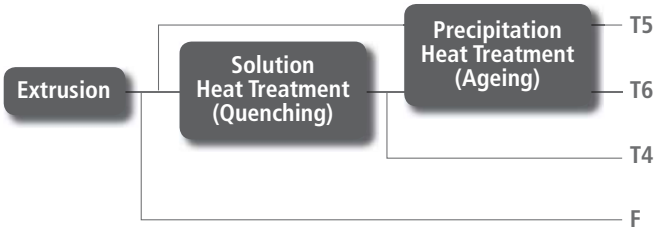
Temper Numbering System

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.



ALLOY CHARACTERISTICS AND USES

ALLOYS	CHARACTERISTICS	TYPICAL USES
1200	Commercially pure aluminium. High formability - low strength. High corrosion resistance.	Used in a variety of applications where strength is not a priority. Easily formed or bent and can be polished and anodised.
	ELECTRICAL CONDUCTOR ALLOYS	
1350	Easily formed low strength.	Busbar, electrical conductors and fittings.
6101	Higher strength conductors.	
	MACHINING ALLOYS	
2011	Commercial machining alloy.	Feed stock for machined products.
6262	Machining alloy for anodising	Combines machinability features and enables anodised finishes to be applied.
3003	Good corrosion resistance, formability and weldability.	Condensers, heat exchangers, pressure vessels, chemical equipment and furniture.
5083	Designed for welded structures requiring maximum joint strength and good corrosion resistance.	Welded structures subject to vibration and fatigue, marine and cryogenic applications.
	ARCHITECTURAL ALLOYS	
	Heat treatable for strength, corrosion resistant, good surface finish for anodising and paint coatings.	
6060	Most commonly used alloy.	Windows, doors, shopfronts and general use.
6063	Similar medium strength to 6060.	Specific temper applications.
6106	Higher strength - intricate shapes.	Stronger curtain wall members, medium duty road transport, ladders and planks and light duty structures.
6463A	Designed for extrusions requiring polished and decorative finishes.	All trim-shapes requiring high quality chemical or mechanical brightening; e.g. picture frames, auto trim.
	STRUCTURAL ALLOYS	
	High strength, corrosion resistant, higher welded properties to architectural range.	All road and rail transport and structural applications. Will take considerable forming in T4 condition.
6005A	Most suitable structural alloy. Achieves strength with less heat treatment distortion.	
6061 6082 6351	Other commonly used structural alloys with slightly varying initial strengths. All four 6000 series have the same welded strength.	
7005	Higher initial and welded strength to 6000 structural alloys.	Large and complex extrusion; e.g., load bearing members for road and rail vehicles.
2014	High strength.	Aircraft alloy - heavy duty structures.

ALLOYS - TEMPERS - USES

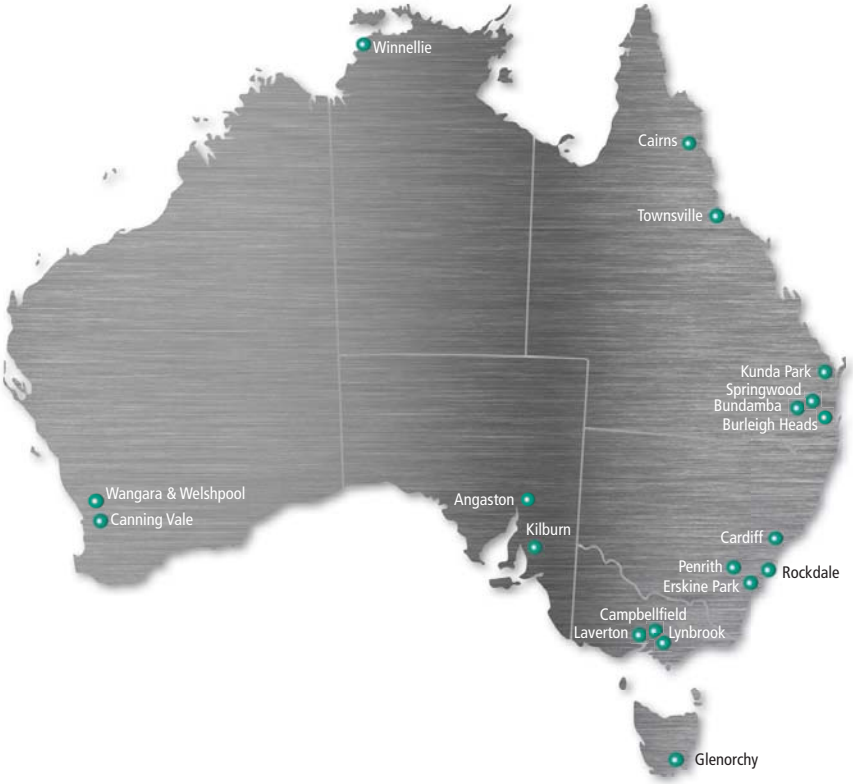
In designing and ordering a product, it is important to select a material that will provide the desired properties consistently in production volumes. Aluminium extrusion offers a wide range of material properties through the appropriate selection of alloy and temper.

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 percent. Aluminium alloys are grouped by the major alloying elements:

WROUGHT ALLOY DESIGNATION	MAJOR ALLOYING ELEMENTS	ALLOY CHARACTERISTICS
1000 Series	Minimum 99% aluminium	High corrosion resistance Excellent finishability Easily joined by all methods Low strength, poor machinability Excellent Workability High electrical conductivity
2000 Series	Copper	Low to medium strength Good corrosion resistance Poor machinability Good workability
3000 Series	Manganese	Low to medium strength Good corrosion resistance Poor machinability Good workability
4000 Series	Silicon	Not available as extruded products
5000 Series	Magnesium	Low to moderate strength Excellent marine corrosion resistance Very good weldability
6000 Series	Magnesium and Silicon	Most popular extrusion alloy class Good strength Good corrosion resistance Good machinability Good weldability Good formability Heat treatable
7000 Series	Zinc	Very high strength Poor corrosion resistance Good machinability Heat treatable.



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