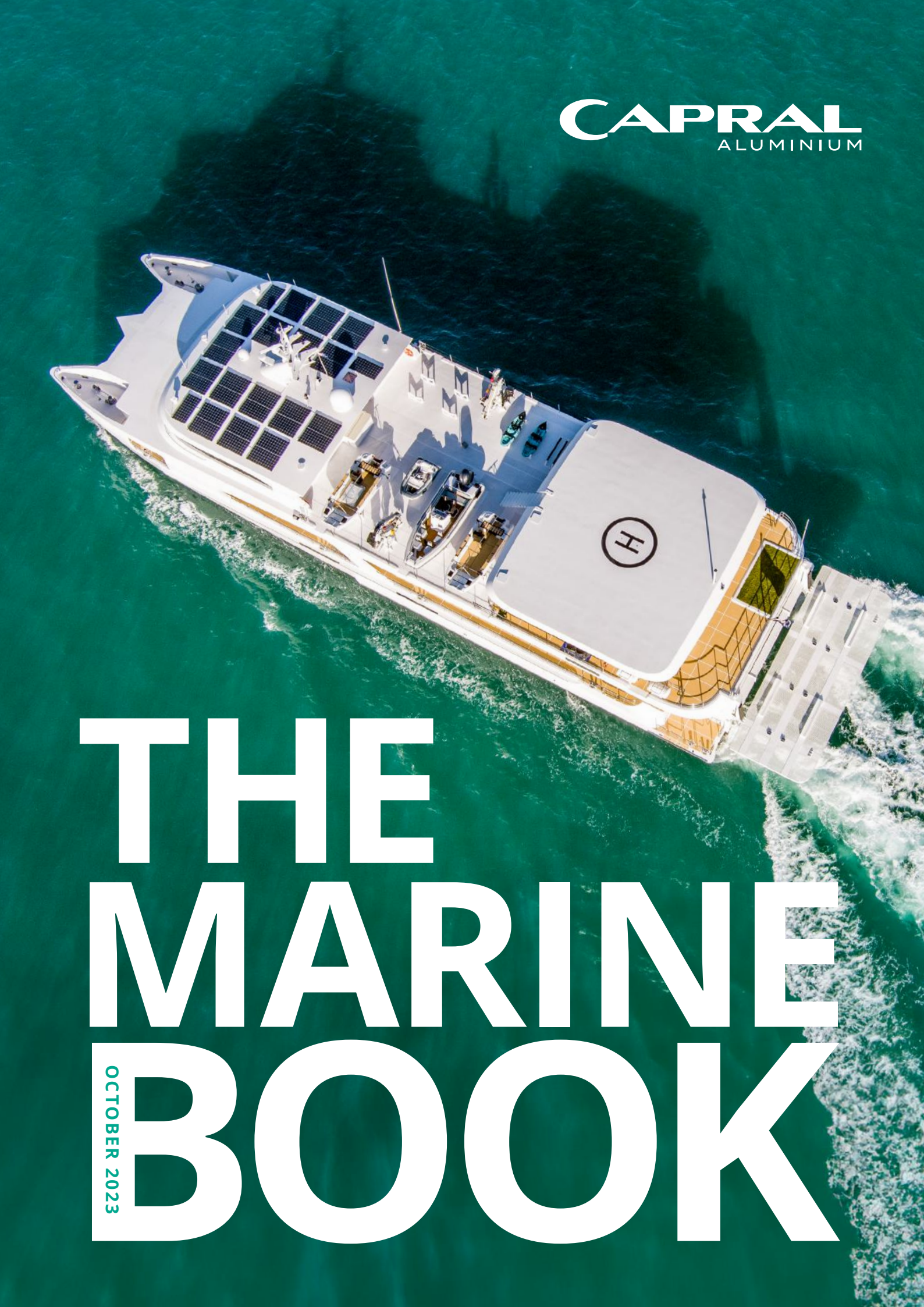
CAPRAL
ALUMINIUM



THE MARINE BOOK

OCTOBER 2023

CONTENTS

Front cover image courtesy of Echo Yachts.

SOLUTIONS

Capral is Australia's largest provider of aluminium products, we offer an expansive range of aluminium plate, sheet, mesh and treadplate, as well as standard geometric and customer exclusive extrusions. Our national footprint enables us to work with customers across a range of industries to deliver exceptional outcomes in Aluminium supply nationwide.

Our dedicated personnel use their experience and technical capabilities to work closely with our customers. We have long-standing relationships with some of the world's leading aluminium mills and stock a comprehensive range of aluminium.

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 prides itself on being able to deliver much more to our customers than just the supply of aluminium. We offer a range of solutions that alleviate risk, cost and stress and suit the individual needs of your business.

We can offer:

- Customer-specific extrusion development and stock holding
- 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 and aluminium processing

These are just some of the solutions we can provide to make your life easier allowing you to concentrate on what you do best.

Image courtesy of Austal.

NATIONAL

Capral Aluminium is connected via an Australia-wide regional distribution network. Our philosophy is, wherever our customers are they should feel that Capral Aluminium is just around the corner.

We operate a strategic regional network of distribution centres supported by local account managers. 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 local stocked offer is tailored to suit the needs of our local markets and industry sectors.

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 capral.com.au for your nearest branch.

CAPABILITIES

With Australia's largest extrusion press and a vertically integrated local supply chain Capral has the capability to design, produce and stock customers' own sections along with a comprehensive range of standard and geometric 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 aluminium 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.

ALUMINIUM PLATE ROUTING

Our CNC routers provide sheet and plate routing, drilling and pen marking to our customer's unique requirements.

We can optimise material utilisation using state-of-the-art nesting software to deliver maximum value to our customers, supplying routed material tabbed within a sheet in kit form to reduce stock inventory, warehouse space and manufacturing time.

OUR OFFER

- Experienced Operational Team with a Can Do attitude
- Australian-made CNC routers: 21-metre bed length, 13-metre bed length and 10-metre bed length
- Precision cutting, drilling and pen marking service
- Nesting services for superior material utilisation - high yield, less waste.
- Parts are left tabbed into the frame of the sheet for ease of handling
- Minimised tab height and length for ease of part removal
- Packing for interstate transport, including container loading
- Export experience
- ISO accreditation
- Certificate Management "DNV"
- Flexible lead times
- High level of communication and customer service with clear and transparent quoting

BENEFITS OF ROUTING

- The most cost-effective way of cutting aluminium
- No clean-up is required
- High level of accuracy and precision
- There is lower power consumption than other cutting forms, and the swarf is collected for recycling.
- Reduction in errors compared to hand-cutting off templates
- Can create more complex shapes and parts
- The versatility of routers can replace the use of many tools in a workshop, like circular saws, hole saws, millers, jigs saws and drills
- Safer – reducing the risk of injury to employees who previously used hand tools to cut and create parts

CUSTOMERS SHOULD PROVIDE

When working with our experienced team, we will request the following to support your plate routing requirements:

- DXF or DWG layered drawings
- Quantity of parts required
- Material required - alloy and thickness

LET OUR EXPERIENCED TEAM SUPPORT YOU

with routering solutions to streamline your manufacturing and improve efficiency. Talk to one of our team today.

SPECIALISED ALUMINIUM FABRICATION

In addition to our comprehensive plate routing facilities, Capral can deliver specialised pre-fabrication services throughout Australia using state-of-the-art equipment.

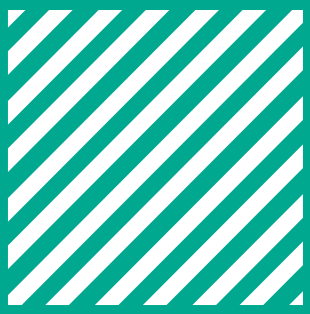
OUR ADVANCED MANUFACTURING EQUIPMENT INCLUDES:

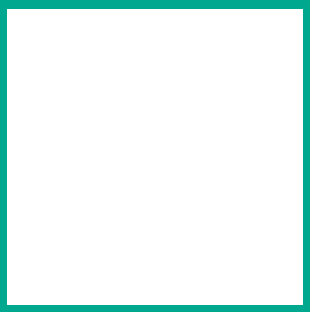
- Automatic fine tolerance cut to length saw
- 4 Axis CNC machining product centre
- 3 Axis CNC machining product centre
- 7 Axis Robotic Machining Centre
- Mitre saw
- Bending and folding equipment

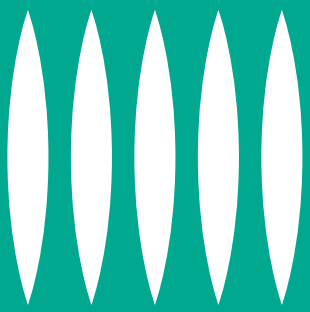
WE CAN PROVIDE

- Precision cutting and Mitre cuts
- Milling services
- Drilling and punching
- Routing of complex shapes and patterns
- Bending and folding
- Knurling: Application of non-slip surface to extrusions
- Product edge de-burring
- Precision Cutting: Cut back to less than standard extrusion tolerances.
- Powder coat finishing
- Fabrication kits for Just-In-Time manufacturing.

ROLLED PRODUCTS

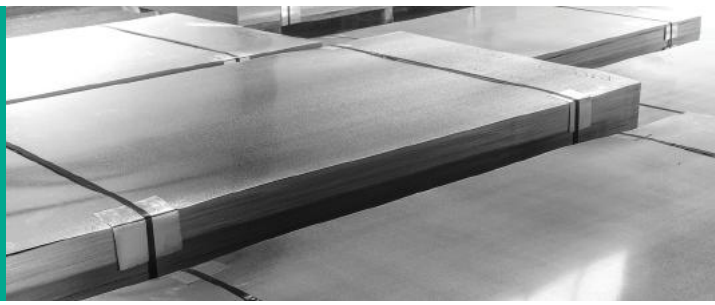






ROLLED PRODUCTS

SHEET 5005



MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
100037	5005	H34	0.6	1200	2400	Mill Finish	4.664
100341	5005	H34	0.8	1200	2400	Mill Finish	6.219
100755	5005	H34	1	1200	2400	Mill Finish	7.776
100058	5005	H34	1	1200	2400	Mill Finish PVC Coated	7.816
100059	5005	H34	1.2	1200	2400	Mill Finish	9.328
100060	5005	H34	1.2	1200	2400	Mill Finish PVC Coated	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
105643	5005	H34	1.2	1500	3000	Mill Finish PVC Coated	14.575
100083	5005	H34	1.6	1200	2400	Mill Finish	12.438
100085	5005	H34	1.6	1200	2400	Mill Finish PVC Coated	12.438
100949	5005	H34	1.6	1200	3000	Mill Finish	15.547
105667	5005	H34	1.6	1500	3000	Mill Finish	19.434
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
103622	5005	H34	2	1200	3000	Mill Finish PVC Coated	19.434
105675	5005	H34	2	1500	2400	Mill Finish	19.434
105676	5005	H34	2	1500	3000	Mill Finish	24.291
100121	5005	H34	2.5	1200	2400	Mill Finish	19.434
100122	5005	H34	2.5	1200	2400	Mill Finish PVC Coated	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
100129	5005	H34	3	1200	2400	Mill Finish	23.321
100131	5005	H34	3	1200	2400	Mill Finish PVC Coated	23.321
100853	5005	H34	3	1200	3000	Mill Finish	29.155

SHEET 5005

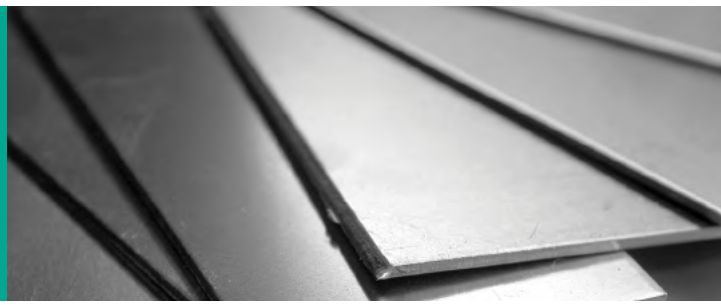
MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
103584	5005	H34	3	1200	3000	Mill Finish PVC Coated	29.155
104482	5005	H34	3	1500	2400	Mill Finish	29.151
105701	5005	H34	3	1500	2400	Mill Finish PVC Coated 100um	29.151
102631	5005	H34	3	1500	3000	Mill Finish	36.315
106318	5005	H34	3	1500	3000	Mill Finish PVC Coated	36.315
102633	5005	H34	4	1500	3000	Mill Finish	48.6
100346	5005	H34	4	1200	2400	Mill Finish	31.094
100147	5005	H34	4	1200	2400	Mill Finish PVC Coated	31.1
100159	5005	H34	5	1200	2400	Mill Finish	38.868
107776	5005	H34	5	1500	3000	Mill Finish	60.75
100176	5005	H34	6	1200	2400	Mill Finish	46.641
106135	5005	H34	6	1500	3000	Mill Finish	72.90
108215	5005	H34	8	1200	2400	Mill Finish	62.208

Image courtesy of Incat.

Image courtesy of Austal.

ROLLED PRODUCTS

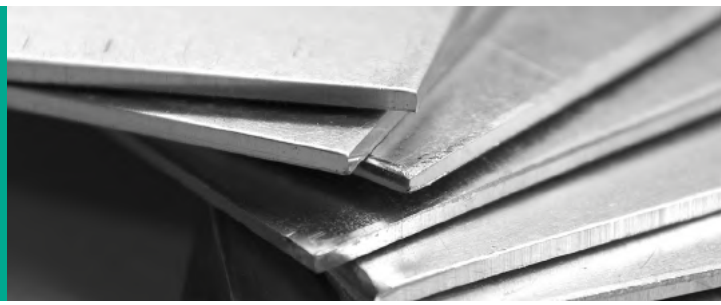
SHEET 5052/5251



MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
100084	5251	H34	1.6	1200	2400	Mill Finish	12.35
102331	5251	H34	1.6	1200	2400	Mill Finish PVC Coated	12.345
101673	5052	H32	1.6	1200	6000	Mill Finish 5052 H32	30.864
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
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
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
105874	5052	H32	4	1200	6100	Mill Finish	78.476

ROLLED PRODUCTS

PLATE 5083



MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
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
105823	5083	H116	3	2200	9000	Mill Finish DNV Certified	158.08
105705	5083	H116	4	1200	2400	Mill Finish DNV Certified	30.657
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
106110	5083	H116	4	2000	6000	Mill Finish DNV Certified	127.74
105776	5083	H116	4	2200	9000	Mill Finish DNV Certified	210.77
105712	5083	H116	5	1200	2400	Mill Finish DNV Certified	38.322
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
106242	5083	H116	5	2000	6000	Mill Finish DNV Certified	159.67
105742	5083	H116	5	2200	9000	Mill Finish DNV Certified	263.46
100175	5083	H116	6	1200	2400	Mill Finish DNV Certified	45.986
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
106107	5083	H116	6	2000	6000	Mill Finish DNV Certified	191.61
101868	5083	H116	6	2200	9000	Mill Finish DNV Certified	316.15
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
101871	5083	H116	8	1830	9000	Mill Finish DNV Certified	350.64

CAPRAL CAN SUPPLY 5383 ALUMINIUM PLATE AND EXTRUSION UPON REQUEST

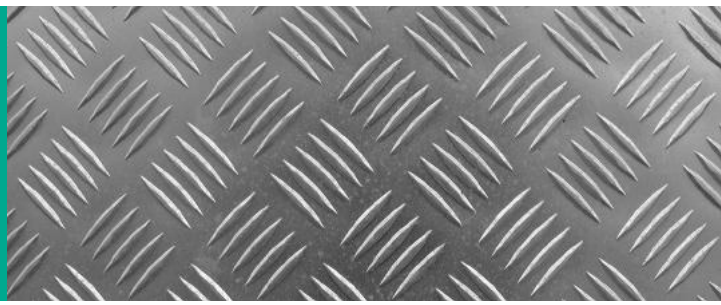
5383 aluminium plate and extrusion is a superior alternative to the 5083 alloy, enhancing shipbuilding efficiency and vessel performance. It boasts enhanced durability and greater corrosion resistance. Its mechanical properties are improved significantly, resulting in up to 10% increase in strength compared to 5083. This provides a performance boost by reducing the number of welding vessels or scantlings and increasing the welded structure yield point by up to 15%. Additionally, 5383 is suitable for vessels of various sizes, where factors like high stress, minimal weight management, and yield gain are critical.

To learn more about 5383 aluminium and availability, please speak with your Capral Account Manager.

MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
107228	5083	H116	8	2200	6000	Mill Finish DNV Certified	255.36
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	Mill Finish DNV Certified	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	Mill Finish DNV Certified	632.3
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	Mill Finish DNV Certified	843.07
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
104522	5083	H116	25	1200	2400	Mill Finish DNV Certified	194.4
105770	5083	H116	25	1200	6100	Mill Finish DNV Certified	487
107052	5083	H116	25	2200	9000	Mill Finish DNV Certified	1316.70
106592	5083	H116	32	1200	2400	Mill Finish DNV Certified	245.26
105942	5083	H116	32	1200	6100	Mill Finish DNV Certified	623.36
107346	5083	H116	32	2200	9000	Mill Finish DNV Certified	1685.37
106594	5083	H116	40	1200	2400	Mill Finish DNV Certified	306.57
106140	5083	H116	40	1200	6100	Mill Finish DNV Certified	779.21
107473	5083	H116	40	2200	9000	Mill Finish DNV Certified	2106.72
106257	5083	H116	50	1200	2400	Mill Finish DNV Certified	383.22
106141	5083	H116	50	1200	6100	Mill Finish DNV Certified	974.01
106238	5083	H111	100	1200	6100	Mill Finish DNV Certified	1948

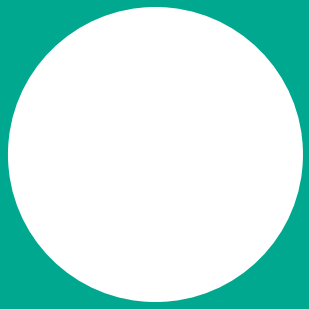
ROLLED PRODUCTS

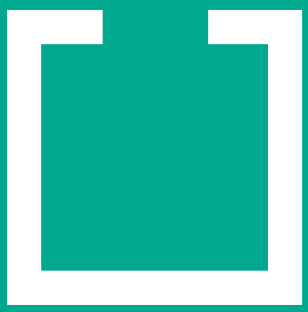
TREADPLATE 5052

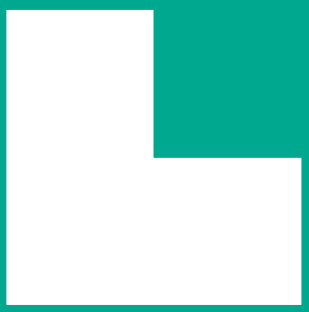


MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH
100086	5052	H114	1.6	1200	2400	Treadplate 5-Bar Mill Finish	13.248
100828	5052	H114	2	1200	2400	Treadplate 5-Bar Mill Finish	16.992
103500	5052	H114	2	1500	3000	Treadplate 5-Bar Mill Finish	26.55
100123	5052	H114	2.5	1200	2400	Treadplate 5-Bar Mill Finish	21.312
104982	5052	H114	2.5	1500	3000	Treadplate 5-Bar Mill Finish	33.3
100132	5052	H114	3	1200	2400	Treadplate 5-Bar Mill Finish	25.344
100135	5052	H114	3	1200	6000	Treadplate 5-Bar Mill Finish	63.36
103422	5052	H114	3	1500	3000	Treadplate 5-Bar Mill Finish	39.6
105922	5052	H114	3	1500	6000	Treadplate 5-Bar Mill Finish	80.325
100864	5052	H114	4	1200	2400	Treadplate 5-Bar Mill Finish	33.113
105789	5052	F	4	1200	6000	Treadplate 5-Bar Mill Finish	82.368
105923	5052	F	4	1500	6000	Treadplate 5-Bar Mill Finish	102.96
100160	5052	H114	5	1200	2400	Treadplate 5-Bar Mill Finish	39.744
105925	5052	F	5	1200	6000	Treadplate 5-Bar Mill Finish	101.66
105926	5052	F	5	1500	6000	Treadplate 5-Bar Mill Finish	127.08
100177	5052	H114	6	1200	2400	Treadplate 5-Bar Mill Finish	47.808

EXTRUSIONS

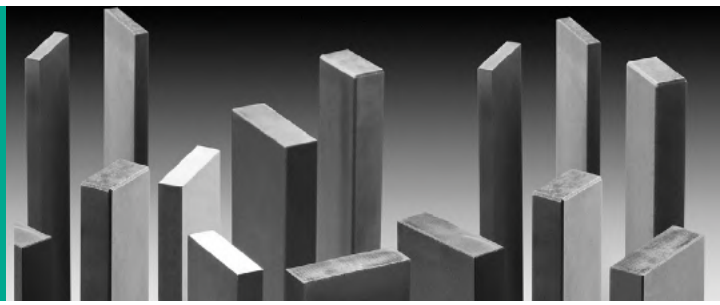






EXTRUSIONS

FLAT BAR



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
813938	Flat Bar 25x3.0	EX4005	6060	T5	4000	MF	0.812	
813960	Flat Bar 25x6.0	EX4021	6060	T5	4000	MF	1.62	
813973	Flat Bar 25x10	EX4029	6060	T5	4000	MF	2.7	
852061	Flat Bar 25x12	EX4037	6060	T5	4000	MF	3.24	
813943	Flat Bar 32x3.0	EX4006	6060	T5	4000	MF	1.036	
878879	Flat Bar 32x5.0	EX4062	6060	T5	6000	MF	2.586	
816261	Flat Bar 32x6.0	EX4022	6060	T5	4000	MF	2.072	
852036	Flat Bar 32x10	EX4030	6060	T5	4000	MF	3.456	
813947	Flat Bar 40x3.0	EX4007	6060	T5	4000	MF	1.292	
816257	Flat Bar 40x4.0	EX4015	6060	T5	4000	MF	1.728	
807849	Flat Bar 40x4.0 RAD	E22071	6060	T5	6000	MF	2.532	RAD
813988	Flat Bar 40x5.0	EX4054	6060	T5	6000	MF	3.246	
812586	Flat Bar 40x6.0	EX4023	6082	T6	6000	MF – DNV	3.888	
813962	Flat Bar 40x6.0	EX4023	6060	T5	4000	MF	2.592	
813974	Flat Bar 40x10.0	EX4031	6060	T5	4000	MF	4.316	
852062	Flat Bar 40x12	EX4038	6060	T5	4000	MF	5.184	
907742	Flat Bar 40x16	E20038	6060	T5	4000	MF	6.912	
812605	Flat Bar 40x25	EX4047	6060	T5	4000	MF	10.8	
813950	Flat Bar 50x3.0	EX4008	6060	T5	4000	MF	1.62	
851805	Flat Bar 50x4.0	EX4016	6060	T5	4000	MF	2.16	
1002436	Flat Bar 50x5.0	EX4060	6082	T5	6000	MF – DNV	4.05	
957455	Flat Bar 50x6	EAL4035	6060	T5	4000	MF	3.24	
813965	Flat Bar 50x6.0 RAD	EX4024	6060	T5	4000	MF	3.232	RAD
1002437	Flat Bar 50x6.0 RAD	EX4024	6082	T5	6000	MF – DNV	4.848	RAD
1007938	Flat Bar 50x6.0 RAD	EX4024	6082	T5	6100	MF – DNV	4.929	RAD
852166	Flat Bar 50x8 RAD	EP5401	6082	T5	5850	MF – DNV	6.306	RAD
813975	Flat Bar 50x10	EX4032	6060	T5	4000	MF	5.4	
1005347	Flat Bar 50 x 10 RAD	EXP1167	6005A	T5	6500	MF	8.431	RAD

FLAT BAR

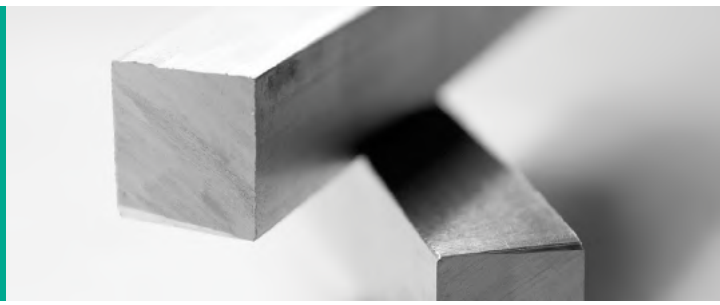
MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
816287	Flat Bar 50x12	EX4039	6060	T5	4000	MF	6.48	
812603	Flat Bar 50x20	EX4046	6060	T5	4000	MF	10.8	
808800	Flat Bar 50x25	EX4048	6060	T5	4000	MF	13.5	
816253	Flat Bar 60x3.0	EX4009	6060	T5	4000	MF	1.944	
816300	Flat Bar 60x6.0	EX4069	6060	T5	4000	MF	3.888	
999471	Flat Bar 60x6.0	EX4069	6082	T5	6000	MF – DNV	5.832	
852128	Flat Bar 60x10.0	EX4070	6060	T5	4000	MF	6.48	
852069	Flat Bar 60x12	EX4040	6060	T5	4000	MF	7.776	
996691	Flat Bar 65x3	EAL23629	6060	T5	6500	MF	3.419	
904735	Flat Bar 65x5.0	EX4059	6060	T5	4000	MF	3.508	
813952	Flat Bar 80x3.0	EX4010	6060	T5	4000	MF	2.592	
813969	Flat Bar 80x6.0	EX4025	6060	T5	4000	MF	5.184	
1002438	Flat Bar 80x6.0	EX4025	6082	T5	6000	MF – DNV	7.776	
939408	Flat Bar 80x6.30 RAD	EB1092	6060	T4	6000	MF	8.016	RAD
1002428	Flat Bar 80x8.0	EX4072	6082	T5	6000	MF – DNV	10.368	
813980	Flat Bar 80x10.0	EX4033	6060	T5	4000	MF	8.64	
809391	Flat Bar 80x12.0	E20061	6060	T5	4000	MF	10.368	
852081	Flat Bar 80x16	EX4044	6060	T5	4000	MF	13.824	
808089	Flat Bar 80x25	EX4049	6060	T5	4000	MF	21.6	
813957	Flat Bar 100x3.0	EX4011	6060	T5	4000	MF	3.24	
851811	Flat Bar 100x4.0	EX4018	6060	T5	4000	MF	4.32	
813971	Flat Bar 100x6.0	EX4026	6060	T5	4000	MF	6.48	
816734	Flat Bar 100x6.0	EX4026	6082	T5	6000	MF – DNV	9.72	
1002425	Flat Bar 100x8	EP8310	6082	T6	6000	MF – DNV	12.948	
813982	Flat Bar 100x10	EX4034	6060	T5	4000	MF	10.8	
1002429	Flat Bar 100x10	EX4034	6082	T5	6000	MF – DNV	16.2	
813986	Flat Bar 100x12	EX4042	6060	T5	4000	MF	12.96	
852077	Flat Bar 100x12	EX4042	6082	T6	6000	MF	19.44	

FLAT BAR

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
809401	Flat Bar 100x20	E20071	6060	T5	4000	MF	21.6	
852097	Flat Bar 100x25	EX4050	6060	T5	4000	MF	27	
999124	Flat Bar 120x10	EP13732	6060	T5	4000	MF	12.96	
1002431	Flat Bar 127x9.52	EX1728	6082	T5	4000	MF – DNV	13.096	
1002430	Flat Bar 127x12.7	EX1730	6082	T5	4000	MF – DNV	17.468	
980717	Flat Bar 150x6 RAD	EAL23273	6060	T5	4000	MF	9.716	RAD
969939	Flat Bar 150x8	EP11453	6060	T5	4000	MF	12.952	
816276	Flat Bar 160x6.0	EX4027	6060	T5	4000	MF	10.36	
816804	Flat Bar 160x10.0	EX4035	6082	T5	4000	MF – DNV	17.28	
816284	Flat Bar 160x10.0	EX4035	6060	T5	4000	MF	17.28	
812601	Flat Bar 160x12	EX4043	6060	T5	4000	MF	20.736	
852169	Flat Bar 160x12	EX4043	6082	T5	4000	MF – DNV	20.736	
852102	Flat Bar 160x25	EX4051	6060	T5	4000	MF	43.2	
1006518	Flat Bar 160x12 RAD	EW5469	6082	T5	2460	MF	12.679	RAD
961983	Flat Bar 200x6	EP5564	6060	T5	4010	MF	12.992	
1018560	Flat Bar 200x8 RAD	EP4404	6082	T5	6000	MF – DNV	25.908	RAD

EXTRUSIONS

SQUARE SOLID



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
814123	Square Solid 6.0mm	EX6500	6060	T5	4000	MF	0.388	
856311	Square Solid 10.0mm	EX6501	6060	T5	4000	MF	1.08	
808810	Square Solid 12.0mm	EX6502	6060	T5	4000	MF	1.556	
856315	Square Solid 16.0mm	EX6503	6060	T5	4000	MF	2.764	
814126	Square Solid 20.0mm	EX6504	6060	T5	4000	MF	4.32	
856318	Square Solid 25.0mm	EX6505	6060	T5	4000	MF	6.752	
808812	Square Solid 40.0mm	EX6506	6106	T6	4000	MF	17.024	
1002457	Square Solid 50.0mm	EX6507	6082	T6	4000	MF – DNV	28.1	

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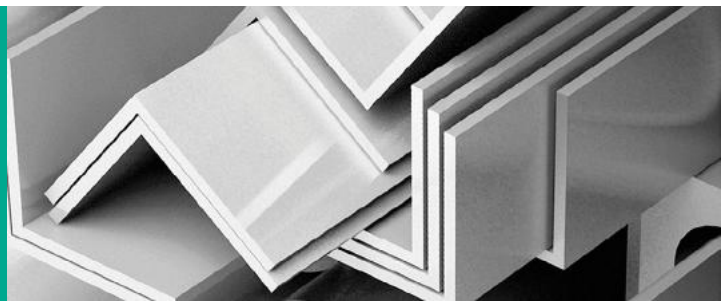
Image courtesy of Manly Fast Ferry.

EXTRUSIONS

ANGLES

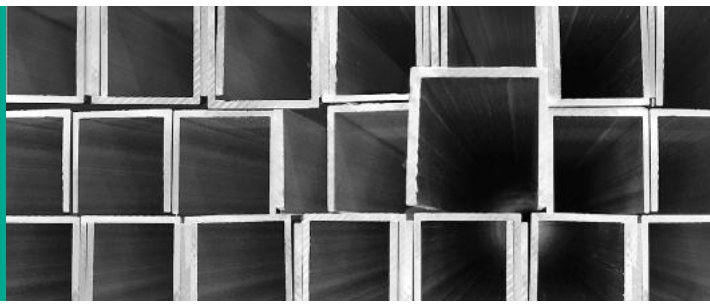


MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
813658	Angle 32x20x3.0	EK9116	6060	T5	6500	MF	2.581	
841418	Angle 32x25x3.0	EK9117	6060	T5	6500	MF	2.841	
813662	Angle 32x32x3.0	EK9118	6060	T5	6500	MF	3.211	
841428	Angle 40x12x3.0 RAD	EK9120	6060	T5	6500	MF	2.581	RAD
813663	Angle 40x20x3.0	EK9121	6060	T5	6500	MF	3.003	
813665	Angle 40x25x3.0	EK9122	6060	T5	6500	MF	3.263	
813676	Angle 40x40x3.0	EK9124	6060	T5	6500	MF	4.056	
813679	Angle 40x40x4.0	EK9125	6060	T5	6500	MF	5.336	
813682	Angle 40x40x6.0	EK9126	6060	T5	6500	MF	7.793	
841457	Angle 50x20x3.0	EK9128	6060	T5	6500	MF	3.53	
813687	Angle 50x25x3.0	EK9130	6060	T5	6500	MF	3.789	
841461	Angle 50x40x3.0	EK9131	6060	T5	6500	MF	4.582	
813690	Angle 50x50x3.0	EK9132	6060	T5	6500	MF	5.109	
1007945	Angle 50x50x4.0 RAD	E20688	6082	T5	6100	MF – DNV	6.344	RAD
813692	Angle 50x50x4.0	EK9133	6060	T5	6500	MF	6.74	
1007953	Angle 50x50x6.0 RAD	EN5408	6082	T5	6100	MF – DNV	9.345	RAD
813696	Angle 50x50x6.0	EK9134	6060	T5	6500	MF	9.899	
810977	Angle 50.8x50.8x6.35 RAD	EG6419	6061	T6	5500	MF	9.102	RAD
840368	Angle 60x25x3.0	EB1155	6060	T5	6500	MF	4.316	
809503	Angle 60x40x4.0	E20560	6060	T5	6500	MF	6.714	
813699	Angle 60x60x3.0	EK9135	6060	T5	6500	MF	6.162	
841483	Angle 60x60x6.0	EK9136	6060	T5	6500	MF	12.006	
999429	Angle 63.5x63.5x6.35 RAD	EG6412	6082	T5	5500	MF – DNV	11.506	RAD
808398	Angle 76.2x25.4x3.18	E03237	6060	T5	6500	MF	5.493	
841100	Angle 76.20x50.80x6.35 RAD	EG6410	6061	T6	5500	MF	11.523	RAD
808143	Angle 76.2x76.2x3.2	E06168	6060	T5	6500	MF	8.313	
841094	Angle 76.2x76.2x6.35 RAD	EG6408	6061	T6	5500	MF	13.959	RAD
841093	Angle 76.2x76.2x9.52 RAD	EG6407	6061	T6	5500	MF	20.389	RAD

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
813700	Angle 80x20x3.0	EK9137	6060	T5	6500	MF	5.103	
813591	Angle 80x40x6.0	EB1160	6060	T5	6500	MF	12.006	
817737	Angle 80x50x6.0 RAD	EN5324	6061	T6	6000	MF	12.102	RAD
809497	Angle 80x80x4.0	E20536	6060	T5	6500	MF	10.952	
841492	Angle 80x80x6.0	EK9138	6060	T5	6500	MF	16.211	
1007940	Angle 80x80x6.0 RAD	E20707	6082	T5	6100	MF – DNV	15.274	RAD
809521	Angle 80x80x10 RAD	E20709	6061	T6	6000	MF	24.426	RAD
985705	Angle 100x50x3	EP12372	6060	T5	6500	MF	7.735	
808487	Angle 100x50x4.0	E20525	6060	T5	6500	MF	10.25	
847658	Angle 100x50x6.0 RAD	EQ1558	6061	T6	6000	MF	14.052	RAD
1007942	Angle 100x50x6.0 RAD	EQ1558	6062	T5	6100	MF – DNV	14.286	RAD
999511	Angle 100x80x10	EXP0406	6082	T5	6500	MF	29.946	
997457	Angle 100x100x6	EP12627	6005A	T5	6000	MF	18.852	
809523	Angle 100x100x8.0 RAD	E20714	6061	T6	6000	MF	25.008	RAD
810938	Angle 101.6x50.8x3.18	EB1153	6060	T5	6000	MF	7.692	
808344	Angle 101.6x50.8x6.4 RAD	EL4195	6061	T6	5500	MF	13.954	RAD
910166	Angle 101.6x101.6x6.35	EXP0062	6351	T6	5500	MF	18.827	
816923	Angle 101.6x101.6x9.53 RAD	EG6403	6082	T5	5500	MF – DNV	27.671	RAD
808206	Angle 125x50x3.0	EK9139	6060	T5	6500	MF	9.054	
809517	Angle 125x50x6.0 RAD	E20700	6061	T6	6000	MF	16.482	RAD
1001859	Angle 125x50x6.0 RAD	EN2911	6082	T5	6000	MF – DNV	16.458	RAD
1001857	Angle 125x80x8 RAD	EN5323	6082	T5	6000	MF – DNV	25.65	RAD
999375	Angle 150x80x10	EP13734	6082	T5	6500	MF	38.591	
999677	Angle 200x100x8 RAD	EP9471	6005A	T5	6500	MF	41.321	RAD

EXTRUSIONS

CHANNELS



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
841525	Channel 20x20x3.0	EK9155	6060	T5	6500	MF	2.841	
815410	Channel 25x12x3.0	EK9156	6060	T5	6500	MF	2.262	
813724	Channel 25x25x3.0	EK9158	6060	T5	6500	MF	3.627	
815412	Channel 25x40x3.0	EK9159	6060	T5	6500	MF	5.213	
815413	Channel 32x25x3.0	EK9160	6060	T5	6500	MF	4.004	
847649	Channel 40x20x2.0	EQ1556	6060	T5	6500	MF	2.665	
813727	Channel 40x20x3.0	EK9161	6060	T5	6500	MF	3.893	
813730	Channel 40x25x3.0	EK9162	6060	T5	6500	MF	4.42	
809552	Channel 40x40x3.0	E20790	6060	T5	6500	MF	6	
808197	Channel 44.45x25.4x3.18	EG1021	6060	T5	6500	MF	4.959	
841317	Channel 44.45x44.45x6.35 RAD	EK5215	6060	T5	4000	MF	8.228	RAD
809134	Channel 50x25x3.0	EK9215	6060	T5	6500	MF	4.947	
813731	Channel 50x50x3.0	EK9163	6060	T5	6500	MF	7.578	
957490	Channel 56.5x31.8x4.5 RAD	EAL6225	6005A	T5	6100	MF	8.491	RAD
999379	Channel 60x32x3.0 RAD	EP13675	6060	T5	6500	MF	6.208	RAD
841550	Channel 60x32x3.0	EK9164	6060	T5	6500	MF	6.214	
902953	Channel 76.2x38.1 RAD	EG6435	6005A	T5	5500	MF	15.032	RAD
813733	Channel 80x25x3.0	EK9165	6060	T5	6500	MF	6.526	
813735	Channel 80x40x4.0	EK9166	6060	T5	6500	MF	10.673	
1014212	Channel 80x40x6.0 RAD	E20922	6060	T6	6500	MF	15.704	RAD
816924	Channel 80x40x6.0 RAD	E20922	6082	T5	6000	MF – DNV	14.496	RAD
813736	Channel 100x25x3.0	EK9168	6060	T5	6500	MF	7.578	
815321	Channel 100x50x3.0	EB1208	6060	T5	6500	MF	10.212	
1007946	Channel 100x50x5.0 RAD	E20929	6082	T5	6100	MF – DNV	23.18	RAD
842530	Channel 100x50x5.0 RAD	EN3527	6082	T5	7500	MF	19.455	RAD
841141	Channel 101.6x50.8 RAD	EG6434	6082	T6	5500	MF	20.581	RAD

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
841140	Channel 101.6x50.8 RAD	EG6434	6082	T5	7500	MF	28.065	RAD
999473	Channel 127x50.8x4.0 RAD	EP12540	6082	T6	6000	MF – DNV	14.526	RAD
841125	Channel 127x63.5 RAD	EG6433	6061	T6	5500	MF	28.875	RAD
810981	Channel 152.4x63.5 RAD	EG6432	6061	T6	5500	MF	28.556	RAD
998272	Channel 152.4x63.5 RAD	EG6432	6082	T5	6000	MF – DNV	31.152	RAD

Capral Limited reserves the right to change specifications without notice. Capral Limited have extensive stocks nationally of all products shown and welcome your specific inquiry.

Image courtesy of Incat.

EXTRUSIONS

TUBES

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
814046	Tube 25x3.0	EX5011	6060	T5	6500	MF	3.633	
814060	Tube 32x3.0	EX5014	6060	T5	6500	MF	4.797	
813582	Tube 38x4.5	EX5075	6060	T52	5500	MF	7.035	
989534	Tube 38.09x3.25	EX2078	6060	T52	6000	MF	5.76	
810269	Tube 38.1x3.25	E40016	6060	T5	6500	MF	6.246	
955230	Tube 38.1x3.25	E40016	6060	T591	6500	MF	6.247	
814070	Tube 40x3.0	EX5017	6060	T5	6500	MF	6.123	
814072	Tube 40x3.0	EX5017	6060	T591	6500	MF	6.123	
812582	Tube 48.41x4.47	EX2202	6061	T6	6000	MF	9.996	
814093	Tube 50x3.0	EX5041	6060	T5	6500	MF	7.774	
814095	Tube 50x3.0	EX5041	6060	T591	6500	MF	7.774	
814115	Tube 50x4.0	EX5081	6060	T5	6500	MF	10.146	
815218	Tube 50x6.0	E40545	6060	T5	6000	MF	13.428	
810138	Tube 60x2.0	EX5021	6060	T5	6500	MF	6.396	
856010	Tube 60x3.0	EX5022	6060	T591	6500	MF	9.425	
814086	Tube 60x3.0	EX5022	6060	T5	6500	MF	9.425	
1007955	Tube 60x5.0	EX5071	6082	T5	6100	MF – DNV	14.231	
856149	Tube 60x5.0	EX5071	6060	T5	6500	MF	15.165	
1001249	Tube 63.5x6.35	EX2138	6082	T5	6000	MF – DNV	18.468	
812568	Tube 63.5x6.35	EX2138	6106	T6	6500	MF	20.007	
1002449	Tube 73.03x5.16	EX2148	6082	T5	5850	MF – DNV	17.38	
912868	Tube 76.19x3.25	EX2152	6060	T5	6500	MF	13.072	
1019350	Tube 76.19x6.35	EX2153	6005A	T5	6500	MF	24.453	
812572	Tube 76.19x6.35	EX2153	6082	T6	6000	MF-DNV	22.572	
856027	Tube 80x3.0	EX5024	6060	T5	6500	MF	12.74	
1002149	Tube 80x6.0	EX5032	6082	T5	5850	MF – DNV	22.031	

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
851712	Tube 88.9x5.33	EX2161	6060	T5	6000	MF	22.668	
998276	Tube 88.9x6.35	E40039	6082	T5	6000	MF – DNV	26.676	
816331	Tube 100x3.0	EX5026	6060	T5	6500	MF	16.042	
817578	Tube 100x10	EX5030	6082	T5	6000	MF – DNV	45.798	
1002447	Tube 101.6x3.25	EX2168	6082	T6	6000	MF – DNV	16.314	
852170	Tube 101.6x6.35	EX2170	6082	T5	6000	MF – DNV	30.78	
998275	Tube 114.3x6.35	EX2180	6082	T5	6000	MF – DNV	34.884	
1012644	Tube 127x3.2	EX5070	6082	T6	6000	MF – DNV	20.16	
816354	Tube 127x4.3	EX5099	6106	T6	6100	MF	27.31	
817310	Tube 127x19.04	EX2190	6082	T5	4000	MF – DNV	69.748	
852174	Tube 152.4x22.23	EX2197	6082	T6	4000	MF – DNV	98.184	
812541	Tube 152.4x3.25	EX2007	6060	T5	6000	MF	24.672	
812634	Tube 160x10	EX5029	6082	T6	6000	MF – DNV	76.332	
808128	Tube 162x6.0	EU8373	6082	T6	6000	MF – DNV	47.634	
1002453	Tube 177.8x12.7	EX5077	6082	T6	6000	MF – DNV	106.71	
1002451	Tube 200x12.0	EX5064	6082	T5	4000	MF – DNV	76.544	
838483	Tube 203.2x3.0	E40634	6060	T5	4800	MF	24.451	
998714	Tube 205.6x12.7	EX5078	6082	T5	4000	MF – DNV	83.12	
1001775	Tube 219x12.7	EXP0921	6082	T6	6000	MF – DNV	136.26	
810284	Tube 219.1x8.2	E40215	6082	T6	6000	MF – DNV	88.02	
1013652	Tube 254x12.0	E27369	6082	T5	6000	MF – DNV	147.8	

Image courtesy of Echo Yachts.

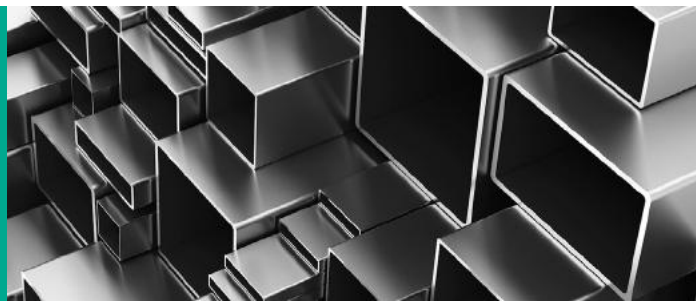
EXTRUSIONS

ROUND BARS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
814954	Round Bar 10.0 Diameter	EX6000	6060	T5	4000	MF	0.844	
816362	Round Bar 12.0 Diameter	EX6001	6060	T5	4000	MF	1.22	
851954	Round Bar 15.88 Diameter	EX3020	6060	T5	4000	MF	2.14	
808384	Round Bar 16.0 Diameter	EX6002	6060	T5	4000	MF	2.172	
808385	Round Bar 20.0 Diameter	EX6003	6060	T5	4000	MF	3.392	
975646	Round Bar 25 Diameter	EAL12628	6060	T5	4000	MF	5.3	
851947	Round Bar 25.4 Diameter	EX3000	6061	T6	4000	MF	5.468	
808794	Round Bar 25.4 Diameter	EX3000	6060	T5	4000	MF	5.468	
809459	Round Bar 30.0 Diameter	E20306	6061	T6	4000	MF	7.636	
816367	Round Bar 33.0 Diameter	EX6005	6061	T6	4000	MF	9.236	
812669	Round Bar 39.00 Diameter	EX6006	6061	T6	4000	MF	12.908	
812675	Round Bar 50.00 Diameter	EX6010	6061	T6	4000	MF	21.204	
905812	Round Bar 60.33 Diameter	EX3058	6061	T6	4000	MF	30.872	
808808	Machine Round 65.00 Diameter	EX6012	6061	T6	3000	MF	26.877	
1018845	Round Bar 75.00 Diameter	EX6014	6082	T5	3000	MF – DNV	35.787	
880900	Machine Round 80.00 Diameter	EX6015	6005A	T5	4000	MF	54.28	
1002446	Round Bar 90.00 Diameter	EX6016	6082	T5	3000	MF – DNV	51.528	
852173	Machine Round 100.00 Diameter	EX6017	6082	T6	3000	MF – DNV	63.618	
907980	Round Bar 101.60 Diameter	EX3099	6061	T6	2000	MF	43.78	
1002421	Round Bar 127.0 Diameter	EX3083	6082	T6	3000	MF – DNV	106.79	
1014756	Round Bar 150.00 Diameter	EX6085	6082	T6	3000	MF – LLO	143.14	

EXTRUSIONS

RECTANGULAR HOLLOWS



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
809585	RHS 40x25x3.0 RAD	E22122	6060	T5	6500	MF	6.09	RAD
813770	RHS 50x25x3.0	EL8012	6060	T5	6500	MF	7.267	
815444	RHS 50x40x3.0	EL8013	6060	T5	6500	MF	8.846	
1011638	RHS 50x40x3.0	EL8013	6082	T5	6500	MF – DNV	8.847	
813772	RHS 60x40x3.0	EL8015	6060	T5	6500	MF	9.899	
841963	RHS 60x50x3.0	EL8016	6060	T5	6500	MF	10.953	
815447	RHS 75x50x3.0	EL8017	6060	T5	6500	MF	12.532	
841068	RHS 76.2x38.1x3.18 RAD	EG4433	6060	T5	6500	MF	12.675	RAD
808139	RHS 76.2x50.5x3.2	E01864	6060	T5	6500	MF	13.546	
813774	RHS 80x25x3.0	EL8018	6060	T5	6500	MF	10.426	
813775	RHS 80x40x3.0	EL8019	6060	T5	6500	MF	12.005	
813778	RHS 80x50x3.0	EL8020	6060	T5	6500	MF	13.058	
841984	RHS 100x40x3.0	EL8023	6060	T5	6500	MF	14.112	
813788	RHS 100x50x3.0	EL8025	6060	T5	6500	MF	15.164	
960151	RHS100x50x3 RAD	EME50157	6060	T5	6500	MF	14.762	RAD
1002454	RHS 100x50x3.0 RAD	E22177	6082	T5	6000	MF – DNV	14.04	RAD
1007949	RHS 100x50x6 RAD	EB1592	6082	T5	6100	MF – DNV	26.425	RAD
954507	RHS 100x50x6 RAD	EB1592	6005A	T5	6500	MF	28.158	RAD
816925	RHS 101.6x63.5x4 RAD	E02801	6082	T5	6500	MF – DNV	22.211	RAD
842005	RHS 125x40x3.0	EL8028	6060	T5	6500	MF	16.744	
842006	RHS 125x50x3.0	EL8030	6060	T5	6500	MF	17.791	
815453	RHS 150x50x3.0	EL8033	6060	T5	6500	MF	20.43	
1038342	RHS 150x100x5.0 RAD	EP16465	6082	T6	6500	MF-DNV	41.464	RAD
1038717	RHS 150x100x5.0 RAD	EP16465	6082	T6	6000	MF-DNV	38.274	RAD
999198	RHS 152x76x6 RAD	EP13822	6082	T6	6500	MF	45.006	RAD
814487	RHS 152.4x38.1x3.2	E01795	6060	T5	6500	MF	20.676	

RECTANGULAR HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
1012424	RHS 152.5x76.2x6.35 RAD	E22179	6082	T5	6000	MF – DNV	44.46	RAD
996639	RHS 160x106x6 RAD	EP11556	6351	T5	6000	MF	48.81	RAD
1016468	RHS 160x106x6 RAD	EP11556	6082	T5	6000	MF	48.81	RAD
815456	RHS 200x50x3.0	EL8035	6060	T5	6500	MF	25.694	
836457	RHS 250x50x3.0	E22173	6106	T6	6500	MF	30.96	
1037862	RHS 300x50x3.0 RAD with centre web	EP15970	6106	T6	6500	MF	38.571	RAD

Capral Limited reserves the right to change specifications without notice. Capral Limited have extensive stocks nationally of all products shown and welcome your specific inquiry.

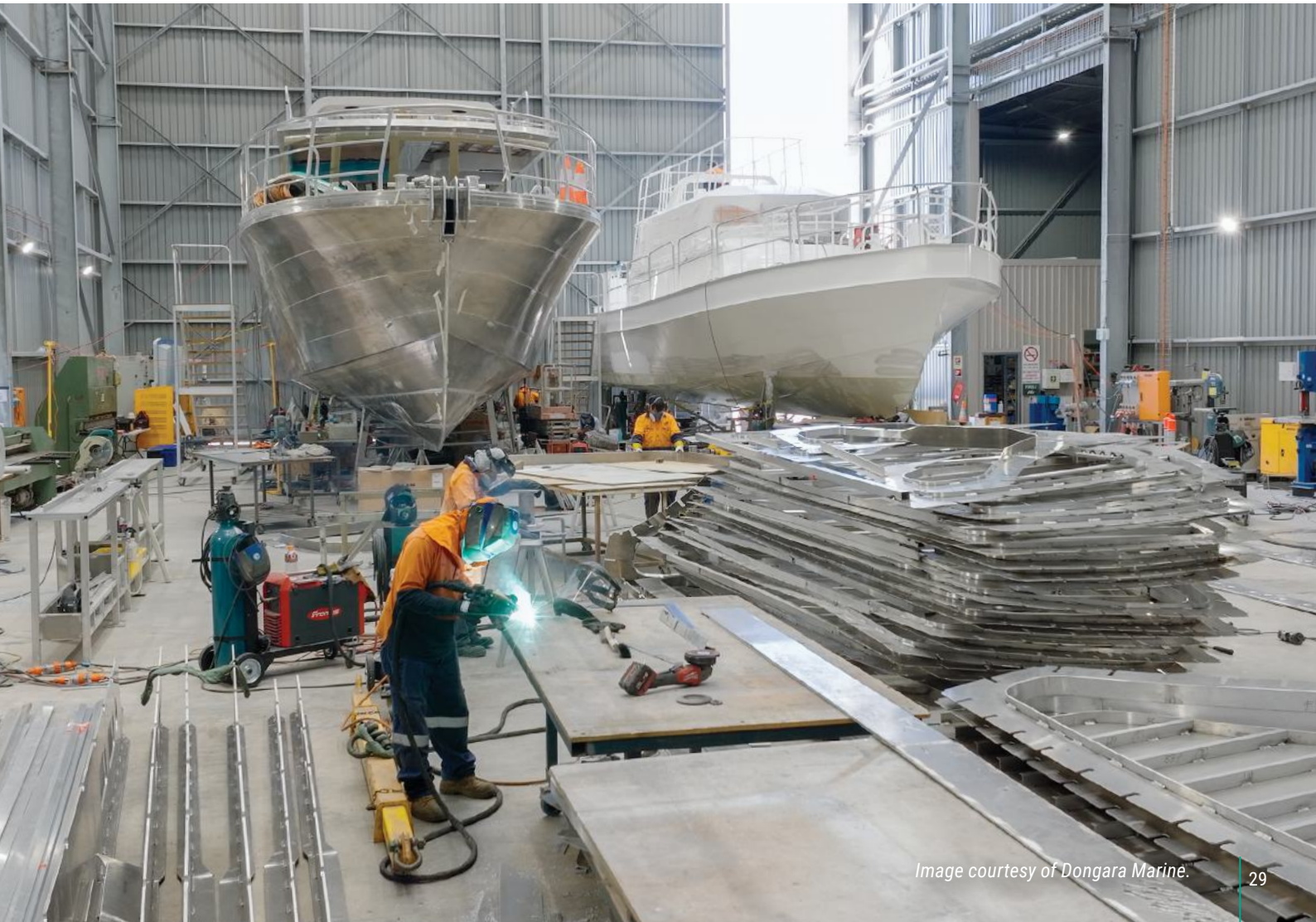


Image courtesy of Dongara Marine.

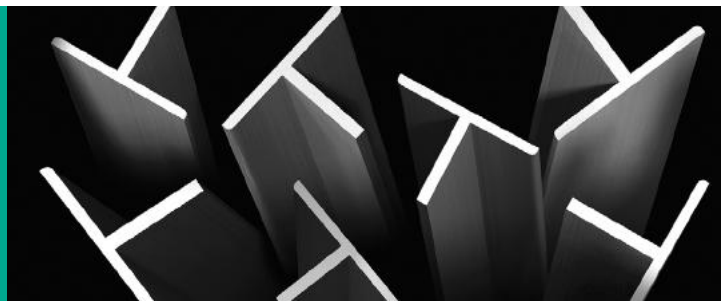
EXTRUSIONS

SQUARE HOLLOWS

MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
810378	Square Hollow 20x3.0 RAD	E51872	6060	T5	6500	MF	3.438	RAD
813750	Square Hollow 20x3.0	EL2299	6060	T5	6500	MF	3.581	
807853	Square Hollow 25x3.0 RAD	E22120	6060	T5	6500	MF	4.491	RAD
815441	Square Hollow 25x3.0	EL8003	6060	T5	6500	MF	4.634	
943280	Square Hollow 32x3.0 RAD	EP10014	6060	T5	6500	MF	6.032	RAD
813763	Square Hollow 32x3.0	EL8005	6060	T5	6500	MF	6.11	
809876	Square Hollow 40x2.0	EQ4000	6060	T5	6500	MF	5.336	
807851	Square Hollow 40x3.0	E22108	6060	T5	6500	MF	7.787	
808823	Square Hollow 40x3.0 RAD	E73599	6060	T5	6500	MF	7.702	RAD
1000062	Square Hollow 40x4.0 RAD	EXP0557	6005A	T5	6500	MF	10.043	RAD
976590	Square Hollow 50x3.0 RAD	EP12033	6063	T5	6500	MF	9.49	RAD
840340	Square Hollow 50x3.0	EB1004	6060	T5	6500	MF	9.9	
1003398	Square Hollow 50x4.0 RAD	EXP0750	6063	T5	6500	MF	12.48	RAD
964226	Square Hollow 50x5 RAD	EP10392	6060	T5	6500	MF	15.672	RAD
817429	Square Hollow 50.8x3.18 RAD	EL6217	6060	T5	6500	MF	10.478	RAD
807750	Square Hollow 50.8x3.2 RAD	E11901	6060	T5	6500	MF	10.387	RAD
884684	Square Hollow 50.80x4.0 RAD	EP7619	6082	T5	6500	MF	12.708	RAD
812251	Square Hollow 65x3.0 RAD	EU2011	6060	T5	6500	MF	13.058	RAD
849548	Square Hollow 75x3.0 RAD	EQ6032	6060	T5	6500	MF	14.755	RAD
912600	Square Hollow 75x3.0	EXP0149	6060	T5	6500	MF	15.217	
999476	Square Hollow 76.2x3 RAD	EP11531	6082	T6	6200	MF – DNV	14.316	RAD
848221	Square Hollow 76x6.35 RAD	EQ4171	6082	T6	6000	MF	26.388	RAD
998277	Square Hollow 80x6 RAD	E22129	6082	T5	6000	MF – DNV	28.818	RAD
1007947	Square Hollow 80x6 RAD	E22129	6082	T5	6100	MF – DNV	29.298	RAD
836420	Square Hollow 100x3.0 RAD	E22119	6060	T5	6500	MF	20.397	RAD
815375	Square Hollow 101.6x6.35 RAD	EG7152	6082	T5	6500	MF	40.638	RAD
999469	Marine Square Hollow 178x9 RAD	EP4953	6082	T5	5000	MF – DNV	81.68	RAD

EXTRUSIONS

TEE SECTIONS

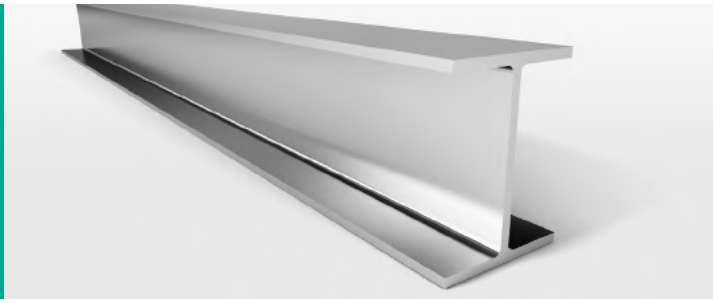


MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
841506	Tee 25x25x3.0	EK9143	6060	T5	6500	MF	2.477	
816732	Tee 32x54x4.0 RAD	E20264	6082	T5	6000	MF – DNV	5.424	RAD
814853	Tee 35x50x3.0 RAD	EU9284	6082	T6	6000	MF – DNV	4.05	RAD
817085	Tee 35x128x8/5 RAD	EP3724	6082	T6	6000	MF – DNV	14.346	RAD
817053	Tee 35x128x8/5 RAD	EP3724	6082	T6	9600	MF – DNV	22.954	RAD
807880	Tee 38x63 RAD	E71996	6060	T5	6000	MF	9.978	RAD
813708	Tee 40x40x3.0	EK9144	6060	T5	6500	MF	4.056	
812492	Tee 40x40x4.0 RAD	EU9187	6082	T6	6000	MF – DNV	5.022	RAD
1014987	Tee 45x100 RAD	EU7074	6082	T6	7250	MF – DNV	16.189	RAD
1002476	Tee 50x35x2 RAD	EA2071	6082	T6	6000	MF – DNV	2.748	RAD
815047	Tee 50x50x4.0 RAD	E20219	6082	T6	6000	MF	6.318	RAD
1007939	Tee 50x50x4.0 RAD	E20219	6082	T5	6082	MF – DNV	6.429	RAD
815046	Tee 50x50x6.0 RAD	E20205	6082	T6	6000	MF	9.312	RAD
812276	Tee 50x60 RAD	EU6368	6082	T6	6000	MF – DNV	8.472	RAD
1007943	Tee 50x60 RAD	EU6368	6082	T6	6100	MF – DNV	8.613	RAD
811412	Tee 50x70 RAD	EN5331	6082	T6	6000	MF – DNV	10.608	RAD
1007952	Tee 50x70 RAD	EN5331	6082	T5	6100	MF – DNV	10.785	RAD
812452	Tee 50x156x6.0 RAD	EU8408	6082	T6	6000	MF – DNV	19.554	RAD
808127	Tee 80x139 RAD	EU7545	6082	T6	6000	MF – DNV	21.672	RAD
808120	Tee 80x163 RAD	EN5218	6082	T6	6000	MF – DNV	23.622	RAD
808131	Tee 80x208 RAD	EU8406	6082	T6	6000	MF – DNV	30.06	RAD
1008876	Tee 100x45 RAD	EU7074	6082	T6	9650	MF – DNV	21.548	RAD
809827	Tee 100x308x8/5 RAD	E27297	6082	T6	6000	MF – DNV	37.686	RAD
1002466	Tee 120x370 RAD	E25760	6082	T6	9600	MF – DNV	87.773	RAD
1002474	Tee 120x402x12/6 RAD	EP10656	6082	T6	10800	MF – DNV	110.99	RAD

Image courtesy of Austal.

EXTRUSIONS

I BEAMS - GEOMETRIC



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS – EACH	RAD INDICATOR
998273	I-Beam 100x75 RAD	EP5402	6082	T6	6500	MF – DNV	23.979	RAD
841161	I-Beam 101.6x76.2 RAD	EG6460	6061	T6	6000	MF	23.748	RAD
998274	I-Beam 130x80 RAD	E22015	6082	T6	6500	MF – DNV	27.521	RAD
881123	I-Beam 152.4x101.6	E05679	6082	T6	8000	MF	64.624	
808125	I-Beam 176x80 RAD	EU7083	6082	T6	6000	MF – DNV	34.014	RAD
808121	I-Beam 216x80 RAD	EN5219	6082	T6	6000	MF – DNV	38.196	RAD
812403	I-Beam 220x100x5.0x10.0 RAD	EU8404	6082	T6	6000	MF – DNV	48.822	RAD
809858	I-Beam 270x100	E27501	6082	T6	6000	MF – DNV	57.018	
808130	I-Beam 316x150x6.0x8.0 RAD	EU8405	6082	T6	6000	MF – DNV	68.544	RAD

EXTRUSIONS

MARINE SECTIONS

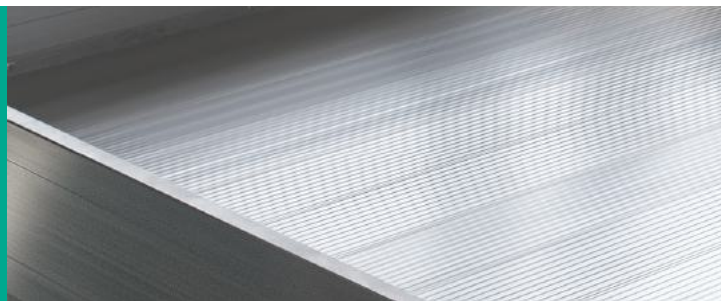
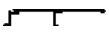
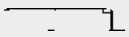
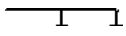
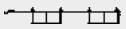
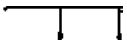
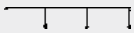
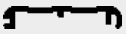
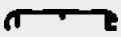


DIAGRAM	BASIC MATERIAL	SECTION NO.	MASS KG/M
	Bulb Flat 50x14x4.5	EL9067	0.732
	Bulb Flat 60.0x19.05x5.38	EP4481	1.155
	Bulb Flat 76.2x19.05x5.38	EH9987	1.392
	Bulb Flat 98.7x19.05x5.38	EL6940	1.719
	Bulb Flat 115x25x7.0	EP4178	2.650
	Bulb Flat 127x19x6.0	EP16214	2.417
	Bulb Flat 150x19x6.0	EW3539	2.685
	Bulb Flat 150x19x6.0	EP2522	2.742
	Bulb Flat 156x33x5.0	EP12881	2.891
	Tee 40x60 Radiused	E35475	1.279
	Tee 40x60x3.5 Radiused	EP12663	1.328
	Tee 40x70x4.0 Radiused	EP12660	1.466
	Tee 40x80x4.5 Radiused	EP12665	1.621
	Tee 40x80x4.7 Radiused	E35473	1.665
	Tee 50x100x5.5 Radiused	EP12661	2.415
	Tee 50x120x6.5 Radiused	EP12662	3.099
	Tee 50x140x7.5 Radiused	EP12664	3.878
	Rider Bar 50x8.0	EP6101	0.874
	Rider Bar 50x8.0	EP12187	0.885
	Rider Bar 80x8.0	EP6100	1.360

MARINE SECTIONS

DIAGRAM	BASIC MATERIAL	SECTION NO.	MASS KG/M
	Rider Bar 80x8.0	EP12186	1.371
	Keel 26.75x21.44	EU4601	0.686
	Keel 30x29	EXP0519	1.660
	Keel 35x24	EP13683	0.990
	Keel 35x30	EL6077	1.065
	Keel 35x30	EL6421	1.067
	Keel 38x24	EXP0495	1.091
	Keel 45x40	EXP0476	2.326
	Keel 48x22	EXP0497	1.214
	Keel 58x30	EL6052	1.381
	Keel 61x36	EL6051	2.294
	Flooring Plank 224.5x32.5	E25467	1.764
	Flooring Plank 242.0x45.0	E25248	2.512
	Flooring Plank 267.7x37.0	EN8093	2.107
	Flooring Plank 331x32.5	EP7758	2.457
	Flooring Plank 373.12x37	EN6328	4.112
	Flooring Plank 376.75x32.8	EP11942	4.504
	Flooring Plank 415.0x40.0	E27149	4.184
	Deck Joiner 100x32.5	EP12538	1.103
	Flooring Plank 360x41.2	EP2953	6.277

MARINE SECTIONS

DIAGRAM	BASIC MATERIAL	SECTION NO.	MASS KG/M
	Flooring Plank Ribbed 360x51.2	EP5202	6.970
	Flooring Plank 325.5x37 Double Skin	EP8361	6.667
	Flooring Plank 360x25 Double Skin	EP4034	4.520
	Flooring Plank 353.78x61.20 Double Skin	EP8360	11.521
	Floor Planking Ribbed 316.5x77 Double Skin	EP10389	12.552
	Ship Side Panel 320x85	EP5271	5.499
	Ship Side Panel 366x60	EP5118	4.854
	Facia 50x4.0	EXP0499	0.534
	Facia 89.87x16	EP13855	1.156
	Facia 90x16	EP13685	1.017
	Facia 90x16	EQ3462	1.096
	Gunwhale 56x36	EU3862	1.234
	Gunwhale 54x43	EXP0498	1.447
	Gunwhale 47x32	EXP0471	0.837
	Gunwhale 40x25	EXP0472	0.943
	Gunwhale 54x 43	EXP0489	1.346
	Gunwhale 54 x 43	EXP0488	1.342
	Gunwhale 54 x 43	EW4463	1.441
	Half Round 39 x 3.0	EU9824	0.617
	Half Round 39 x 3.0	EA3053	0.531

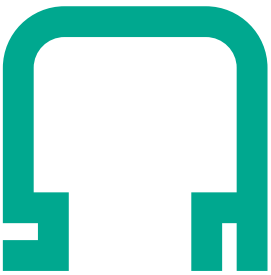
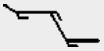
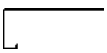
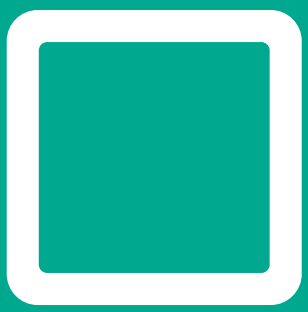
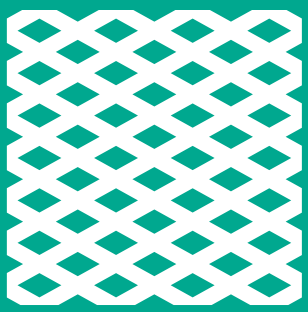


DIAGRAM	BASIC MATERIAL	SECTION NO.	MASS KG/M
	Half Round 50 x 3.0	EA3052	0.777
	Half Round 76.2 x 3.05	EP13453	0.941
	V Chine 52.5 x 52.5 x 3.0mm	EW5405	0.827
	Spray Rail 100 x 130	E36974	3.767
	Top Hat 63.5x31.75x3.18	EQ1633	0.948
	Top Hat 65.13x28.58x2.36	EB1763	0.707
	Top Hat 69.86x31.76x3.18	EB1759	1.042
	Transom 100x40x3 Radiused	EP13659	1.709
	Louvre 83.5x36	EP12542	0.512
	Louvre Spacer	EP12543	1.864
	Rowlock 70x31	EP8933	2.911
	Hinge 55x50	EP5746	5.673
	Tow Eye 115x50.01	EP8932	8.486
	Gunwhale 200x80	EW5406	2.483
	Mullion 100x80	E35577	3.794
	Mullion 100x60	EP12539	6.783
	Fender 187x120x7.6	E25487	7.412
	Fender 250x165.2	E26674	10.011

Capral Limited standard lead times of 4 to 6 weeks apply for items that are not stocked nationally.
Marine extrusions alloy, temper, length and third party certification can be tailored to suit customer's needs.

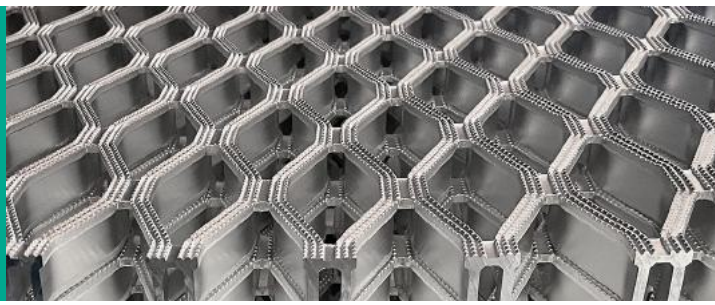
ACCESSORIES





ACCESSORIES

JURALCO WALKWAYS



MATERIAL	BASIC MATERIAL	ALLOY	TEMPER	LENGTH (MM)	KGS – EACH
320586	13mm Knurled Walkway Grating 600mm wide	6063	T4	6.06	26.53
301940	22mm Knurled Walkway Grating 600mm wide	6063	T4	6.06	33.83
320588	30mm Knurled Walkway Grating 300mm wide	6063	T4	6.06	25.58
316926	30mm Knurled Walkway Grating 500mm wide	6063	T4	6.06	37.78
320587	40mm Knurled Walkway Grating 250mm wide	6063	T4	6.06	24.05
320589	40mm Knurled Walkway Grating 500mm wide	6063	T4	6.06	43.07

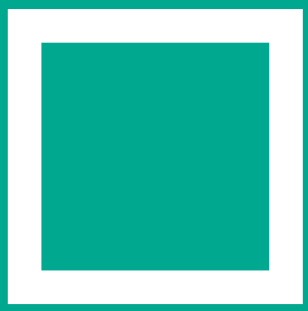
ACCESSORIES

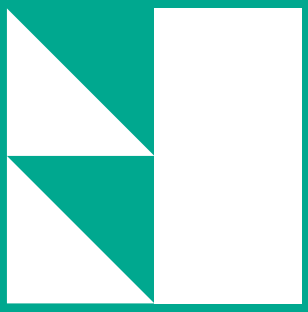
WELDING WIRE

MATERIAL	BASIC MATERIAL	GRADE	DIAMETER (MM)	SPOOL (KG)
317441	Welding Wire - MTL Brand	5183	0.9	7.0
317442	Welding Wire - MTL Brand	5183	1.2	7.0
319591	Welding Wire - MTL Brand	5356	1.2	7.0

Image courtesy of of Richardson Devine Marine.

ALUMINIUM - THE SUPER METAL





ALUMINIUM THE SUPER METAL

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

ADVANTAGES OF ALUMINIUM

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

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

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

Image courtesy of Austal.

A SUSTAINABLE METAL

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

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

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

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

Capral is committed to Carbon Net Zero by 2050 and can provide low carbon aluminium with a carbon footprint of 8t CO2/1t AL or lower.

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

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

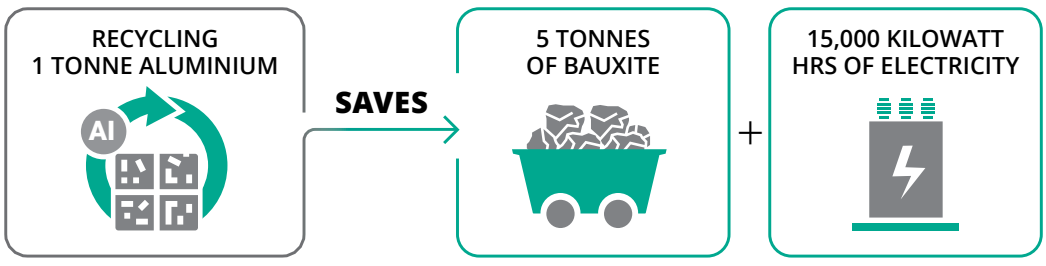


Image courtesy of Dongara Marine.

CLEANER, GREENER, LOWER CARBON ALUMINIUM FOR YOUR PROJECT

LocAl® locally extruded, lower carbon aluminium

Aluminium is strong, lightweight and highly recyclable. But did you know that globally on average it takes 13.9 Kilograms CO2e to produce 1 Kilogram of primary aluminium?

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

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

LOCALLY EXTRUDED

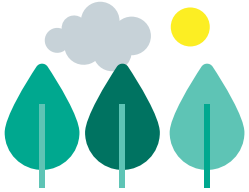
Extruded in Australia by Capral Aluminium, Australia's largest aluminium extruder established in 1936. Capral is committed to Net Zero by 2050 and working actively on reducing Scope 1 and Scope 2 emissions.

LOW CARBON

Primary billet with certified CO2e content at or below*

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

**CO2e emissions stated are ex smelter based on kilograms emitted per kilogram of aluminium produced – Aluminium Smelting and Casting.*



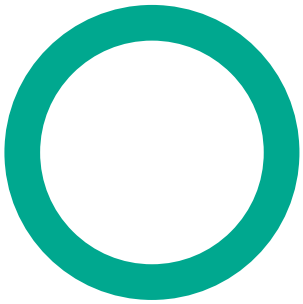
ALUMINIUM

Aluminium Stewardship Initiative (ASI) certified Aluminium.

Capral Aluminium has been certified against the ASI Performance Standard V3 and Chain of Custody (CoC) V2 for the extrusion, warehousing and distribution of aluminium products and services.

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

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



ALLOYS - TEMPERS - USES

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

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

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

ALLOY SPECIFICATIONS – EXTRUDED PRODUCTS

ALLOY	DESCRIPTION	APPLICATIONS
1350	1350 is a high-purity non-heat treatable alloy with a minimum aluminium content of 99.5%. It has very good extrudability and 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 rods and bars, 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
5383	5383 aluminum is an upgraded version of the 5083 aluminium. It has high strength, corrosion resistance, plasticity and excellent welding performance. Available in plate and extruded forms.	• High-speed ships • Cruise ships • Sailboats and catamarans • Application parts, including engine pedestals

ALLOY	DESCRIPTION	APPLICATIONS
6060/ 6063	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 • Curtain Walls • Lighting, furniture and picture frames • Carpet edging • Railings and fences • Applications where surface finish is important
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 6005. 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
6005A	As with all structural alloys, it is difficult to produce thin-walled or complicated extrusions in 6005A. However, it has the best extrusion characteristics and mill surface finish of the structural alloys. 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
6061	6061 is a heat-treatable alloy with mechanical properties equivalent to 6005A. It has good corrosion resistance, but like 6082, its extruded surface finish is not as good as 6060. It is a quench sensitive alloy and therefore generally used for symetrical shapes.	• Road, rail and marine transport • Scaffold tube • Structural members
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
6082	6082 has excellent corrosion resistance and the highest strength of the 6000 series structural alloys. As with all structural alloys, the extruded surface finish is not as good as alloys such as 6060 or 6063. The higher strength of 6082 has seen it replace 6061 in many applications. 6082 has good weldability, and when DNV (Det Norske Veritas) certified, it is commonly used in marine applications.	• Highly stressed applications • Bridges • Cranes • Marine applications • Other transport application

ALLOY SPECIFICATIONS – ROLLED PRODUCTS

ALLOY	DESCRIPTION	APPLICATIONS
3003	3003 is a medium strength alloy with very good resistance to atmospheric corrosion. It also has very good weldability and good cold formability. It is widely used for chemical equipment including silos and also caravan sidings.	• Propellor plate • Cooking utensils • Chemical equipment • Sheet metal work • Storage tanks • Caravan sidings • Office equipment • Equipment for heating and cooling
5005	5005 is a medium strength general purpose alloy with good weldability, good formability and good corrosion resistance. It is an extremely popular alloy and is the most commonly used grade of aluminium in sheet and plate form. It is suitable for decorative anodising and as a result is often used in architectural applications.	• General sheet metal work • Architectural applications – cladding • Furniture • Packaging • Ducting in electrical cabinets
5052	5052 is a medium strength alloy which has excellent corrosion resistance, particularly in marine atmospheres. One of the more popular alloys, 5052 has good weldability. It is significantly stronger than 5005 alloy and is widely used in the small boat market.	• High strength sheet metal work • Tread plate • Small boats • Architectural paneling • Road signs • Truck fuel tanks

ALLOY	DESCRIPTION	APPLICATIONS
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
5383	5383 aluminum is an upgraded version of the 5083 aluminium. It has high strength, corrosion resistance, plasticity and excellent welding performance. Available in plate and extruded forms.	• High-speed ships • Cruise ships • Sailboats and catamarans • Application parts, including engine pedestals
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

Image courtesy of Incat.

Image courtesy of Austal.

CHEMICAL COMPOSITION LIMITS – EXTRUDED AND ROLLED PRODUCTS

ALLOY	MG	MN	FE	SI	CU	ZN	CR	MN+CR	TI	BI	PB	V	OTHER ELEM	TOTAL OTHER	AL
							(WEIGHT %)								
1350*	–	≤0.01	≤0.40	≤0.10	≤0.05	≤0.05	≤0.01	–	–	–	–	≤0.02 V+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.

Chemical Composition properties are derived from Australian Standard 1866. * 1350 only available from Smithfield, NSW

MECHANICAL PROPERTY LIMITS

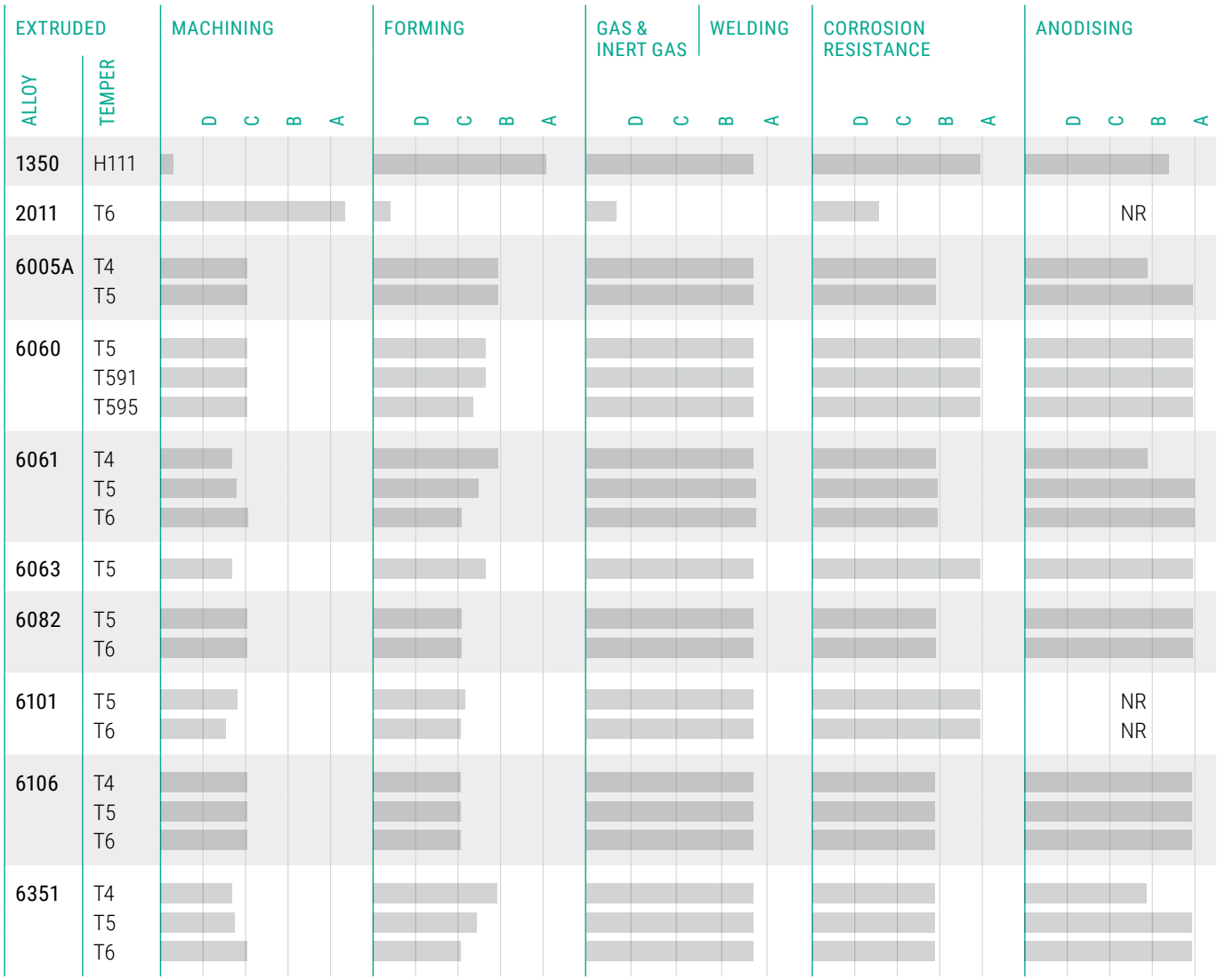
ALLOY	TEMPER#	WALL THICKNESS (mm)	TENSILE STRENGTH MPa	YIELD STRESS MPa	ELONGATION %
EXTRUDED					
1350*	F	Not specified	60	25	
2011†	T6	≤25	350	220	8
6060/6063	T1 T4 T5 T6 T581 T582 T591 T595	≤12 ≤12 ≤12 ≤12 All ≤12 ≤12 ≤12	115 125 150 205 140-190 150-205 150-205 170-220	60 70 110 170 80-140 min 110 95-140 130-160	12 12 8 8 12 8 8 5
6106	T4 T5 T6	≤12 ≤ 12 ≤12	130 150 235	70 110 210	12 8 8
6101	T5 T6	≤12 ≤12	150 200	110 170	10
6005A	T4 T5 T6	≤12 ≤12 ≤12	180 260 270	110 240 225	14 8 8
6061	T4 T5 T6	All All All	180 235 260	110 210 240	14 8 8
6351	T4 T5 T6	≤150 ≤150 ≤150	185 260 295	115 240 255	16 8 8
6082	T5 T6	≤6 ≤20	270 295	230 255	8 7
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

Mechanical properties are derived from Australian Standard 1866.

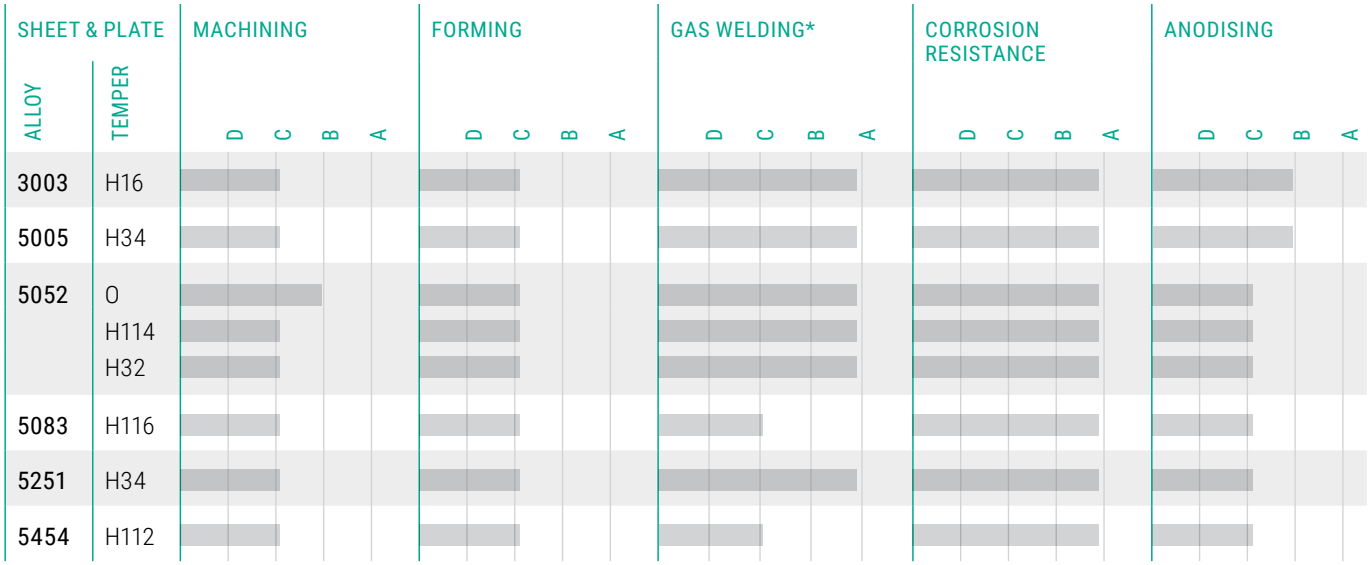
* 1350 available from Smithfield, NSW only. † Bought in alloy.

CHARACTERISTICS COMPARISON

EXTRUSION ALLOY/TEMPER



ROLLED ALLOY/TEMPER



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

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

ACCREDITATIONS

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

Capral is also accredited to:

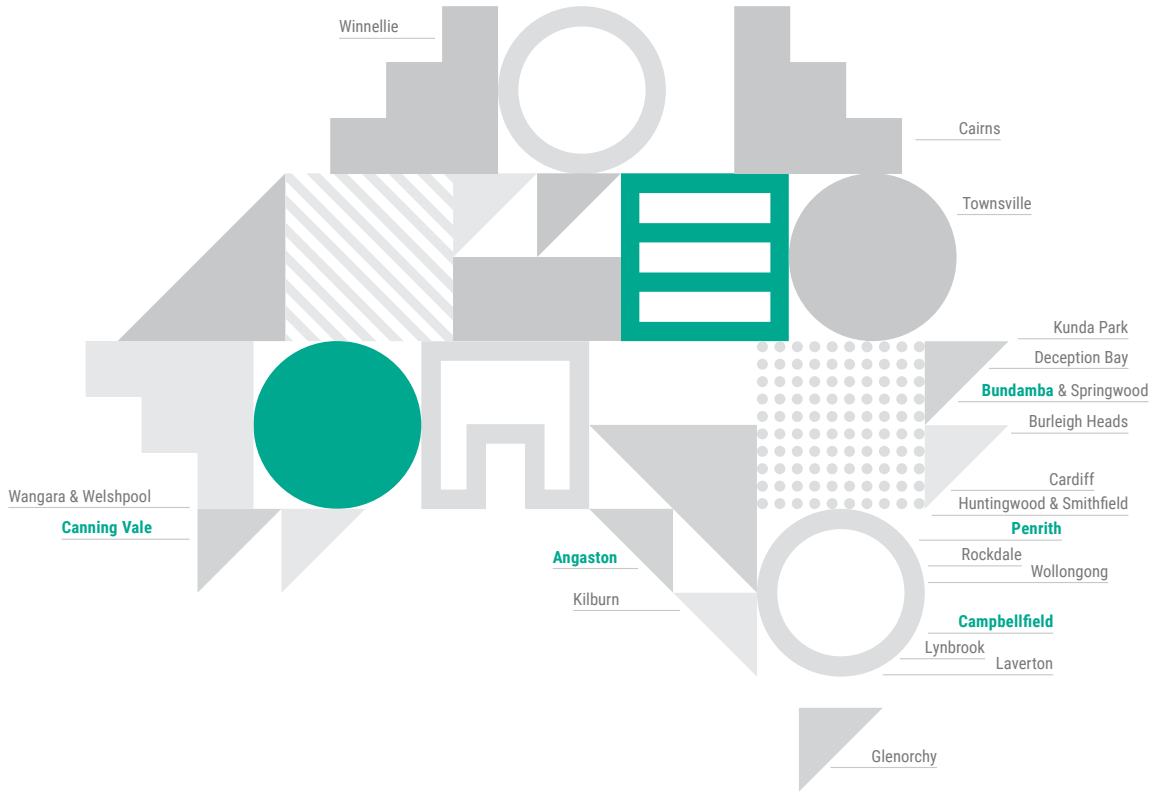
- AS/NZS ISO 9001:2015 Quality Management Systems
- AS/NZS ISO 14001:2015 Environmental Management Systems
- AS/NZ 45001:2018 OHS Management Systems Accreditation
- ISO/IEC 17025. NATA Accredited Mechanical Testing Laboratory
- Safety Accreditation
- ASI Performance Standard V3 and Chain of Custody (CoC)
- All major international marine classification societies including DNV (Det Norske Veritas) and Lloyds Register

asi CERTIFIED RESPONSIBLE ALUMINIUM SOURCING

AUSTRALIAN TRUSTED TRADER

Learn more about the innovative Australian manufacturers who choose Capral as their Aluminium supplier in our Crafted with Capral Series.

Image courtesy of of Richardson Devine Marine.



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NATIONAL BRANCH NETWORK

Capral Aluminium is connected via an Australia-wide regional distribution network. Our philosophy is, wherever our customers are they should feel that Capral Aluminium is just around the corner.

Visit capral.com.au for location details.

CAPRAL ALUMINIUM