

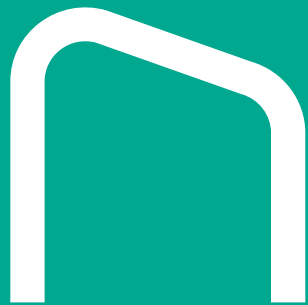
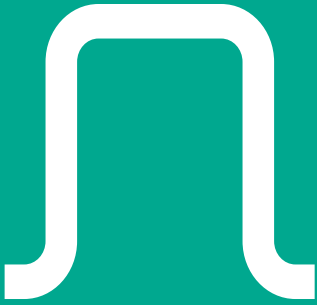
An aerial photograph of a white semi-truck driving on a two-lane asphalt road that curves through a dense, lush green forest. The truck is positioned in the center of the road, moving away from the viewer. The surrounding trees are vibrant green, and the road has white double lines. The overall scene is bright and clear.

**CAPRAL**  
ALUMINIUM

# THE TRANSPORT BOOK

MAY 2025

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**CAPRAL**  
ALUMINIUM



# Need **Australian Made** aluminium extrusion? Capral can do.

As Australia's largest supplier and extruder of aluminium, Capral is committed to supporting Australian manufacturing with high-quality, locally produced aluminium extrusions. Our state-of-the-art facilities provide precision-engineered solutions for the transport sector nationwide

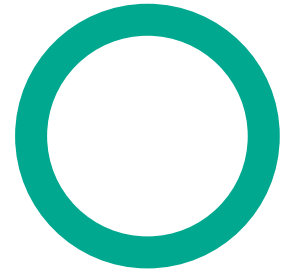
Choosing Capral is an investment in reliable supply, shorter lead times, and a stronger Australian manufacturing sector.

When you need Australian-made aluminium, **Capral can do.**



Order online 24/7  
Pick-up & Delivery  
[shop.capral.com.au](https://shop.capral.com.au)





## 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

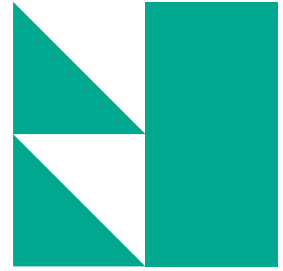
Capral prides itself on being able to deliver much more to our customers than just the supply of aluminium. We offer a range of solutions that alleviate risk, cost and stress and suit the individual needs of your business.

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.





## 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](http://capral.com.au) for your nearest branch.

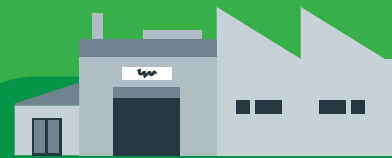
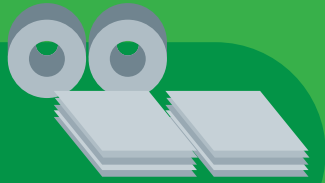
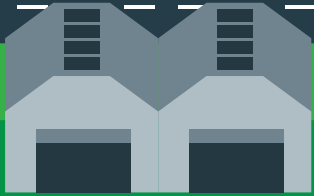
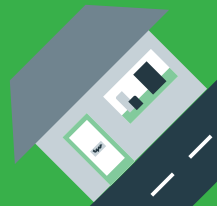
## CAPABILITIES

**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.



# Lower-Carbon Aluminium for your transport project.

Choose LocAl® — Locally extruded, lower-carbon aluminium  
for your next transport project



## 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 CO<sub>2</sub>e to produce 1 Kilogram of primary aluminium?

By choosing aluminium produced using alternative energy sources CO<sub>2</sub>e 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.

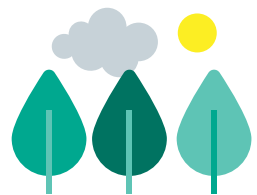


### LOW CARBON

Primary billet with certified CO<sub>2</sub>e content at or below\*

- 8kg CO<sub>2</sub>e/1kgAL - LocAL Green
- 4kg CO<sub>2</sub>e/1kgAL - LocAL Super Green.

*\*CO<sub>2</sub>e 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](https://www.lowcarbonaluminium.com.au)



## ALUMINIUM CNC 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 routing 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:

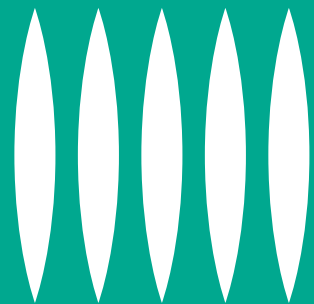
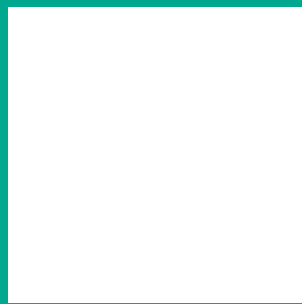
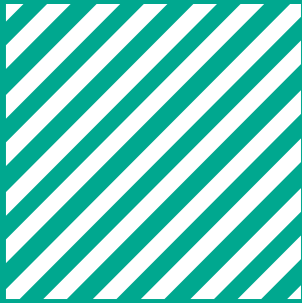
- Automatic fine tolerance cut to length saw
- 4 Axis CNC machining product centre
- 3 Axis CNC machining product centre
- 7 Axis Robotic Machining Centre
- Mitre saw
- Bending and folding equipment

### 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



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Plate 5083	10
Treadplate 5052	12
Sheet 5005	14
Sheet 5052/5251	16
Coil 3003	16

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## ROLLED PRODUCTS PLATE 5083



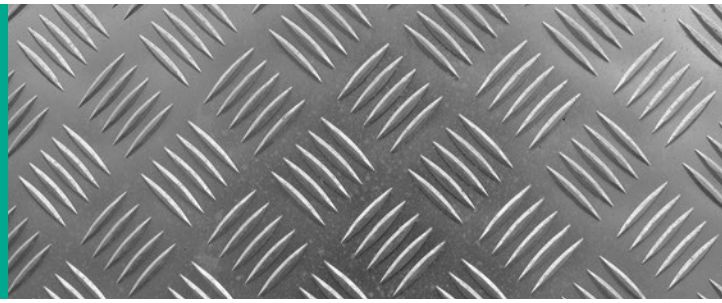
MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
105691	5083	H116	3	1200	2400	Mill Finish DNV Certified	22.993
105698	5083	H116	3	1200	6100	Mill Finish DNV Certified	58.44
105704	5083	H116	3	1525	6100	Mill Finish DNV Certified	74.268
105823	5083	H116	3	2200	9000	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
106943	5083	H32	5	1500	11700	Mill Bright PVC Coated 75um 1 side	233.42
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
107533	5083	H32	5	1830	11700	Mill Bright PVC Coated 75um 1 side	284.90
106242	5083	H116	5	2000	6000	Mill Finish DNV Certified	159.67
105742	5083	H116	5	2200	9000	Mill Finish DNV Certified	263.46
107871	5083	H116	5	2200	9000	Mill Bright PVC Coated 80um 1 side	263.46
105777	5083	H116	5	2200	11000	Mill Bright PVC Coated 80um 1 side DNV	321.86
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
108475	5083	H32	6	1823	11000	Mill Bright PVC Coated 75um 1 side	320.05
101695	5083	H116	6	1830	6100	Mill Finish DNV Certified	178.24
100880	5083	H116	6	1830	9000	Mill Finish DNV Certified	262.98
106940	5083	H32	6	1980	6100	Mill Finish	192.76
101867	5083	H116	6	1980	11000	Mill Finish DNV Certified	347.61
106107	5083	H116	6	2000	6000	Mill Finish DNV Certified	191.61
101868	5083	H116	6	2200	9000	Mill Finish DNV Certified	316.15

ROLLED PRODUCTS  
**PLATE 5083**

MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
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
106942	5083	H32	8	1980	6100	Mill Finish	257.02
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

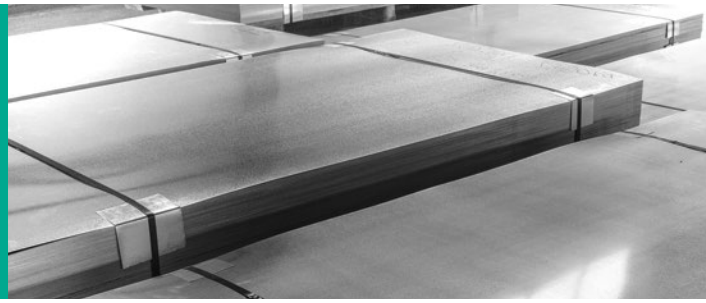


MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
106079	5052	H114	1.4	1200	2400	Treadplate 5-Bar Mill Finish	11.996
100086	5052	H114	1.6	1200	2400	Treadplate 5-Bar Mill Finish	13.248
100828	5052	H114	2	1200	2400	Treadplate 5-Bar Mill Finish	16.992
103500	5052	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
100138	3003	H22	3	1219	2438	Treadplate Propellor 1-Bar Bright Finish	27.19
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



## ROLLED PRODUCTS

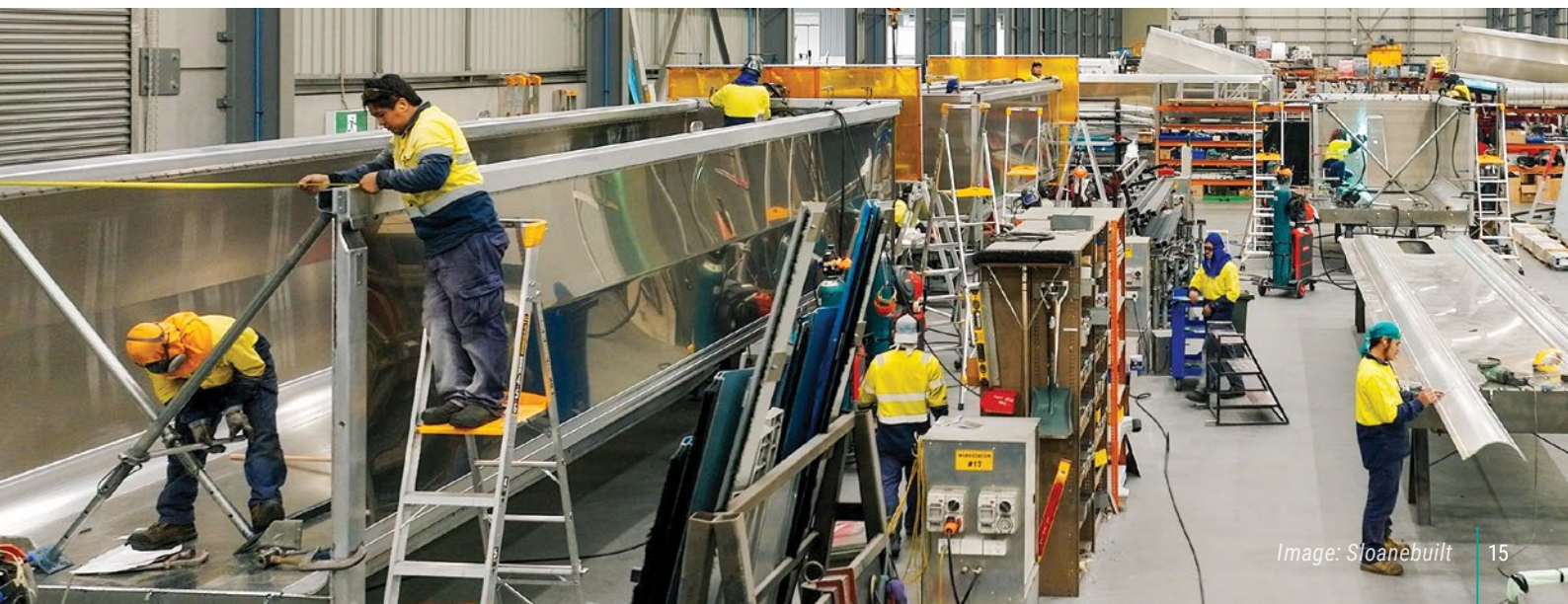
# SHEET 5005



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
105681	5005	H34	2.5	1200	2400	Mill Finish PVC Coated 100um 1 Side	19.434
104688	5005	H34	2.5	1200	3000	Mill Finish	24.39
103724	5005	H34	2.5	1500	2400	Mill Finish	24.39
106312	5052	H32	2.5	1500	2400	Mill Finish	24.122
104973	5005	H34	2.5	1500	3000	Mill Finish	30.366
108245	5005	H34	2,5	1500	3000		

ROLLED PRODUCTS  
**SHEET 5005**

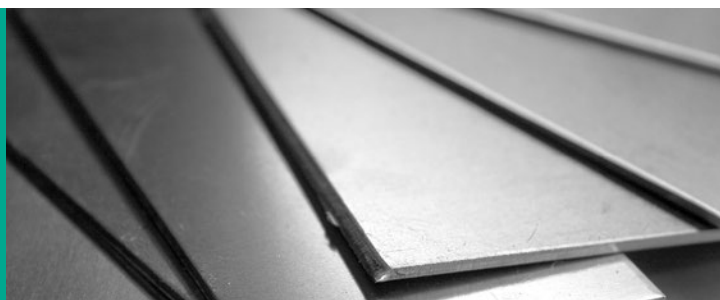
MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
100129	5005	H34	3	1200	2400	Mill Finish	23.321
100131	5005	H34	3	1200	2400	Mill Finish PVC Coated	23.321
105693	5005	H34	3	1200	2400	Mill Finish PVC Coated 100um 1 Side	23.321
100853	5005	H34	3	1200	3000	Mill Finish	29.155
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



## ROLLED PRODUCTS

# SHEET 5052/5251

# COIL 3003

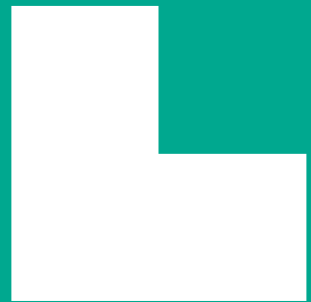
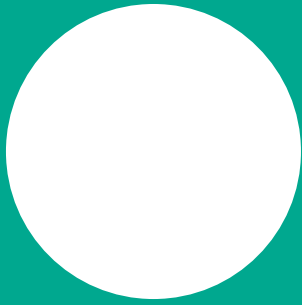


MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
100084	5251	H34	1.6	1200	2400	Mill Finish	12.35
102331	5251	H34	1.6	1200	2400	Mill Finish PVC Coated	12.345
101673	5052	H32	1.6	1200	6000	Mill Finish 5052 H32	30.864
100116	5251	H34	2	1200	2400	Mill Finish	15.438
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

## COIL 3003

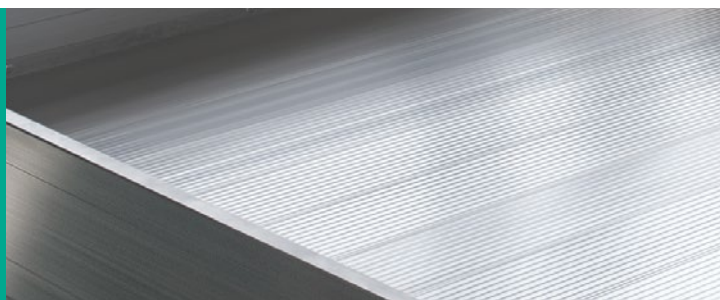
MATERIAL	ALLOY	TEMPER	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
100054	3003	H16	0.8	2515		Mill Finish Transport Roof Coil	1
105580	3003	H16	1.2	2200		Mill Finish Maximum Coil Weight 1200kgs	1

# EXTRUSIONS









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# EXTRUSIONS TRANSPORT SECTIONS

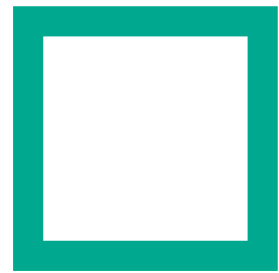


MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	KGS - EACH	RAD INDICATOR
999624		Bullbar Channel 126.5x60.5x5.6 RAD	EP13667	6005A	T5	5500	16.946	RAD
939402		Bullbar Channel 128x75x6.0 RAD	EQ1364	6060	T4	6000	23.682	RAD
883308		Bullbar Channel 150x75x6.0 RAD	EP4218	6106	T6	5000	23.54	RAD
889827		Bullbar Spotlight Bracket 88x36	E32995	6005A	T5	4000	11.728	
807882		Bullbar Wrap 50x5.0	E73211	6060	T5	6000	3.419	RAD
807881		Bullbar Wrap 80x6.0	E73113	6060	T5	6000	8.328	RAD
910878		Coaming Rear 1-2 Tonne 80x40	EAL22935	6063	T6	3935	4.879	RAD
912285		Coaming Rear Flush 69x39	EAL22943	6063	T6	4572	5.098	RAD
911914		Coaming Side 4 Tonne 101x31.25	EAL22939	6106	T6	4880	7.832	RAD
912911		Coaming Side 80x32	EAL22936	6063	T6	4880	6.012	RAD
998288		Coaming Side TLD 102x31.6	EL9367	6351	T6	7770	12.517	
999759		Coaming Smooth Facia 50mm	EXP0500	6063	T5	6500	3.842	
841048		Drip Mould 30.15x25.58	EG1431	6060	F	5000	2.095	
912303		Drop Side 223.43mm x 25mm	EAL22952	6063	T6	6700	11.98	RAD
911979		Drop Side 225mm x 25mm	EAL10711	6063	T6	4580	8.537	
975154		Drop Side 250mm x 30mm	EAL22932	6063	T6	6900	18.03	RAD
815304		Drop Side 250mm x 40mm	EA2824	6106	T6	1850	3.909	RAD
815305		Drop Side 250mm x 40mm	EA2824	6106	T6	2400	5.071	RAD
1008319		Drop Side 288mm x 45mm	EP14298	6060	T5	7200	20.952	

EXTRUSIONS  
**TRANSPORT SECTIONS**

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	KGS - EACH	RAD INDICATOR
912267		Drop Side Extension 100.1x25	EAL22938	6063	T6	6700	7.698	RAD
999297		Facia 80x12 TWA159	EXP0465	6060	T5	6500	5.675	
1104555		Floor Plank 150mm	EP21290	6005A	T5	2490	4.689	
912133		Flooring Plank 176.34x41	EAL22940	6005A	T5	4255	7.246	RAD
912913		Flooring Plank 176.34x41	EAL22940	6005A	T5	4572	7.786	RAD
1013924		Flooring Plank 190.16x25.4	EP11523	6063	T6	1890	3.015	
1013776		Flooring Plank 190.16x25.4	EP11523	6063	T6	5800	9.251	
1015357		Flooring Plank 191.35x40.4	EP13687	6060	T5	4000	7.228	
999149		Flooring Plank 191.35x40.4	EP13687	6063	T5	4580	8.276	
1013736		Flooring Plank 191.35x41	EP13761	6005A	T5	3765	6.89	
998319		Flooring Plank 191.35x41	EP13761	6106	T5	4560	8.345	
912261		Flooring Plank 192.85x40	EAL22933	6005A	T5	2460	4.77	RAD
911611		Flooring Plank 1-2 Tonne 188x25.5	EAL22931	6005A	T5	3935	5.481	RAD
912897		Flooring Plank 2 Tonne 181.4x25.4	EAL10712	6106	T6	4000	6.08	
910876		Flooring Plank Front 1-2 Tonne 151x51	EAL22934	6005A	T5	3935	5.619	RAD
912293		Flooring Plank Front 4 Tonne 154.5x70.8	EAL22944	6005A	T5	4572	8.211	RAD
849288		Floor Trap Mould 45x19.83	EQ5709	6060	T5	5000	2.695	
904444		Headboard 228.6x22.23	EG2739	6063	T6	6500	13.865	RAD
711794		Rope Rail Bracket 25mm	EL7667	6106	T6	40	0.076	RAD
725874		Rope Rail Bracket 32mm	EN1595	6106	T6	45	0.112	

EXTRUSIONS  
**TRANSPORT SECTIONS**

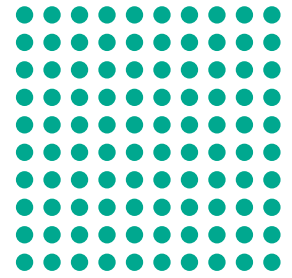


MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	KGS - EACH	RAD INDICATOR
908457		Rub Rail 76.2x12.7	EAL22954	6060	T5	7000	8.036	
910084		Rub Rail 101.6x13	EAL22953	6060	T5	7000	8.162	
808371		Rub Rail Double 109.5x19.05	EE4099	6060	T5	6500	4.504	
947377		Stock Crate Siding 170x11	EN9602	6082	T6	6000	11.364	
947379		Stock Crate Siding 170x11	EN9602	6082	T6	8000	15.152	
851148		Fluted Tube 29.98x2.29	EW3241	6060	T591	6500		
999371		Transport Fluted Tube 32x3	EP13660	6063	T591	6500	4.336	
999413		Transport Light Bar 289x76	EP13721	6082	T5	2490	23.426	
997912		Transport Main Runner 160x150	EP11642	6351	T5	4505	46.478	RAD
1001722		Transport Main Runner 160x150	EP11642	6351	T5	6005	61.954	RAD
1037588		Large Main Runner Beam	EP12677	6005A	T5	10300	185.52	
998353		15 Inch Main Beam	EP12677	6005A	T5	11000	198.13	
1023132		Large Main Runner Beam	EP12677	6005A	T5	9000	162.11	
1009911		Tipper Cap 100x41.5	EP14490	6082	T5	11000	72.457	
999760		Transport Side Coaming	EXP0501	6063	T5	7500	12.075	
847761		Transport V Groove Angle 76x55x5.0 RAD	EQ2029	6106	T6	6500	10.965	RAD
954473		Ute Tray 30mm Side Coaming	EW2153	6106	T6	5500	6.633	
1011044		Ute Tray 40x25 Return Lip Channel	EW2161	6106	T6	6000	3.678	
816108		Ute Tray 151mm Floor Plank	EW2152	6106	T6	2500	4.01	
816607		Ute Tray 151mm Floor Plank	EW2152	6106	T6	1987	3.187	
816107		Ute Tray 177mm Floor Plank	EW2151	6106	T6	1836	2.84	
937481		Curtain Track	EAL20188	6005A	T5	7500	15.54	

EXTRUSIONS  
**TRANSPORT SECTIONS**

MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	KGS - EACH	RAD INDICATOR
300320		Rubrail Endcap Suit E4099 Each				0	0.052	
301085		Rubrail Endcap Suit T2633 - Single				0	0.045	
1108474		Canopy Channel	EP21521	6060	T5	6500		
1108475		Canopy Channel	EP21522	6060	T5	6500		
861093		Channel 254x115x12.5 RAD	EU1691	6082	T5	2450	37.061	RAD
1007018		Channel 254x115x12.5 RAD	EU1691	6351	T5	2480	37.515	RAD
947141		Channel 254x115x12.5 RAD	EU1691	6060	T4	3250	49.163	RAD
850292		Channel 254x115x12.5 RAD	EU1691	6061	T6	6000	90.762	RAD
835900		Channel Lipped 101.6x76.2x6.35 RAD	E10174	6005A	T5	6000	28.848	RAD
835900		Channel Lipped 101.6x76.2x6.35 RAD	E10174	6005A	T5	6500		
842479		Chassis Runner Base 100x41.5 D Type	EN3154	6005A	T5	11000	80.608	
835834		Chassis Runner Base 100x41.5	E05910	6005A	T5	11000	80.608	RAD
1004071		Chassis Runner 232.6x152.4	EP10497	6005A	T5	6700	93.003	RAD
949579		Chassis Runner 232.6x152.4	EP10497	6005A	T5	8400	116.6	RAD
1004069		Chassis Runner 232.6x152.4	EP10497	6005A	T5	9200	127.71	RAD
1004069		Chassis Runner 232.6x152.4	EP10497	6005A	T5	11000		
999382		Coaming Bottom 273x178	EP10531	6351	T5	6600	56.793	
999816		Coaming Bottom 273x178	EP10531	6351	T5	8400	72.282	
999381		Coaming Bottom 273x178	EP10531	6351	T5	10300	88.632	
999369		Coaming Bottom 273x178	EP10531	6351	T5	11000	94.655	

EXTRUSIONS  
**TRANSPORT SECTIONS**



MATERIAL	DIAGRAM	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	KGS - EACH	RAD INDICATOR
929932		Coaming Bottom 294x230	EN9375	6005A	T5	5000	52.24	RAD
907460		Coaming Bottom 294x230	EN9375	6005A	T5	8500	88.808	RAD
933818		Coaming Bottom 294x230	EN9375	6005A	T5	9200	96.122	RAD
871317		Coaming Bottom 294x230	EN9375	6082	T5	11000	114.94	RAD
843778		Coaming Bottom 294x230	EN9375	6005A	T5	11000	114.94	RAD
910506		Axle Block	EP8616	6005A	T5	3000		
836894		Tailgates Bottom	E27010	6005A	T5	2280		
736513		Tailgates Bottom	EP21937	6005A	T5	2240		
1074754		Stiffener	EN5988	6005A	T5	10400		
871326		Coaming Top 192x180	EN5987	6082	T5	11000	111.71	
1001692		Coaming Top Tailgate 215.9x114.3	E05591	6351	T5	2210	15.253	RAD
1115031		Coaming Top 232x140	EP11585	6005A	T5	10500	111.38	
870192		Coaming Top Tailgate 215.9x114.3	E05591	6082	T5	2400	16.565	RAD
973864		Rear Post 143x75	EP10530	6106	T6	2500	21.975	
1010171		Rear Post 143x75	EP10530	6106	T6	3100	27.249	
994645		Transport Coaming 216x114x100.4x100	EP11583	6351	T5	4505	33.031	RAD
1001724		Transport Coaming 216x114x100.4x100	EP11583	6351	T5	6005	44.029	RAD
881036		Coaming Top Tailgate 216x114	E05550	6005A	T5	1100		

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## 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

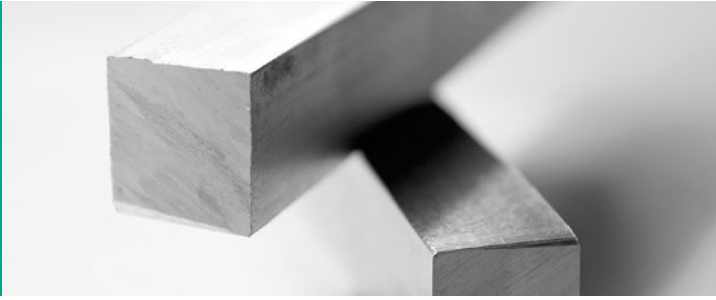
EXTRUSIONS  
**FLAT BAR**

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	

EXTRUSIONS  
**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

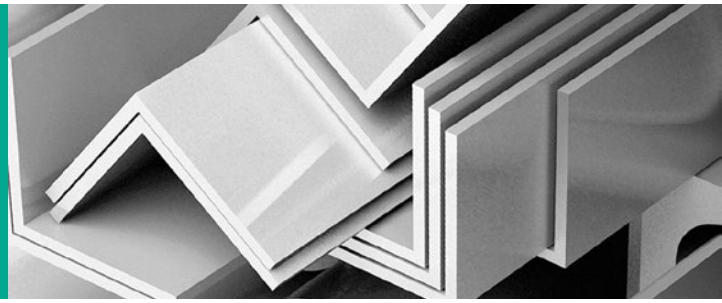


MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH	RAD INDICATOR
814123	Square Solid 6.0mm	EX6500	6060	T5	4000	MF	0.388	
856311	Square Solid 10.0mm	EX6501	6060	T5	4000	MF	1.08	
808810	Square Solid 12.0mm	EX6502	6060	T5	4000	MF	1.556	
856315	Square Solid 16.0mm	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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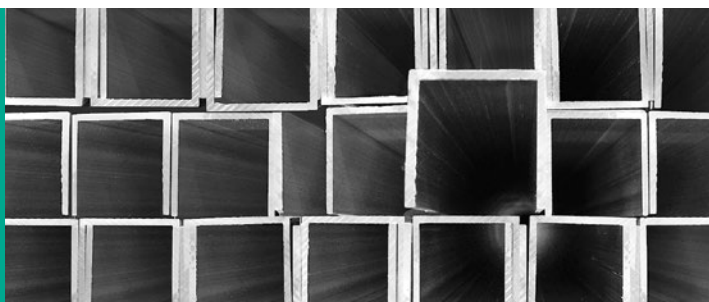
## EXTRUSIONS ANGLES



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

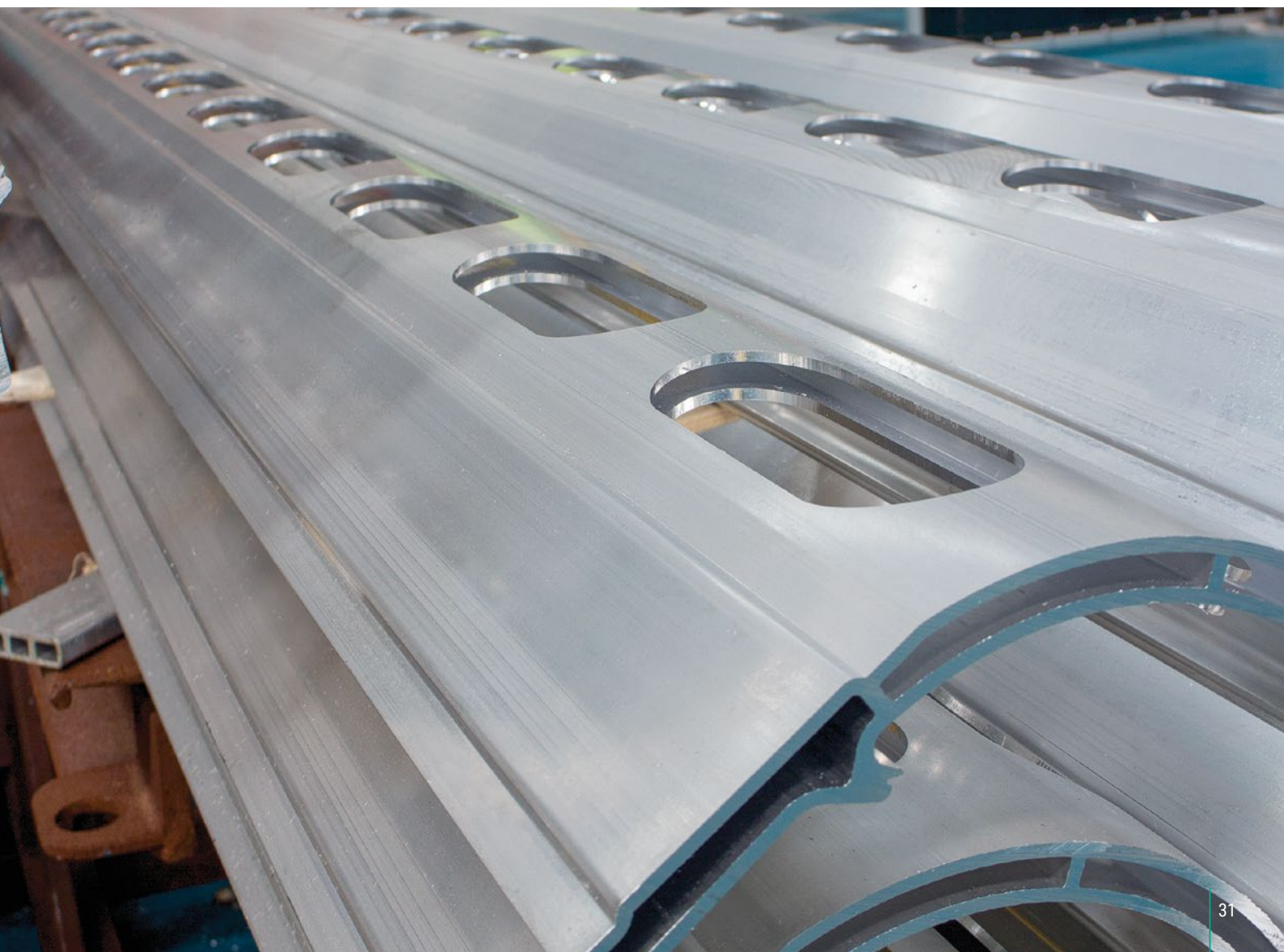
## EXTRUSIONS CHANNELS



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

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## EXTRUSIONS

# ROUND TUBES



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
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
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

## EXTRUSIONS

# ROUND BARS



MATERIAL	BASIC MATERIAL	SECTION NO.	ALLOY	TEMPER	LENGTH (MM)	COATING DESCRIPTION	KGS - EACH
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 HOLLOW



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	

EXTRUSIONS  
**RECTANGULAR HOLLOW**

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

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# 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

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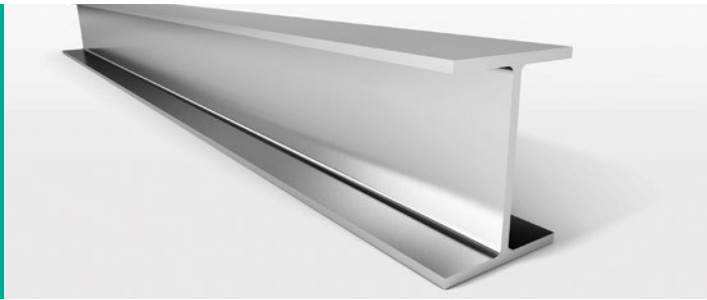
## EXTRUSIONS TEE BARS



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

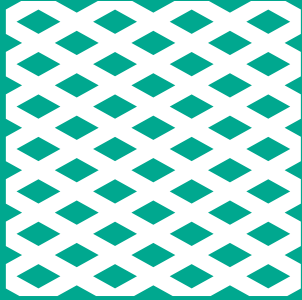
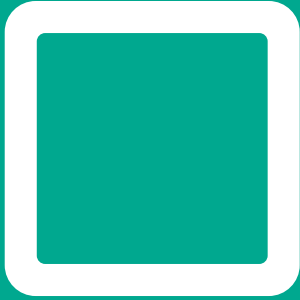


## EXTRUSIONS I BEAMS



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

# ACCESSORIES



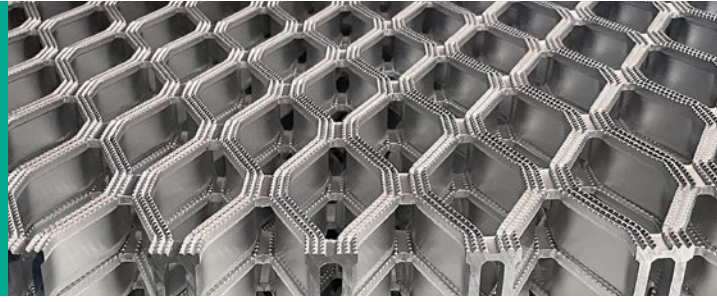
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Walkway Grating	43
Welding Wire	44

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## ACCESSORIES

# WALKWAY GRATING



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

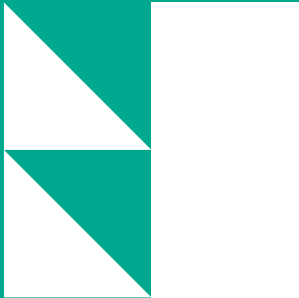
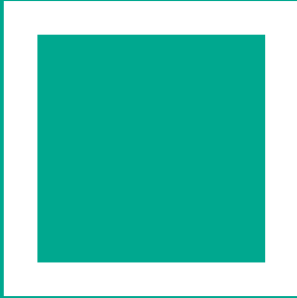


MATERIAL	BASIC MATERIAL	GRADE	DIAMETER (MM)	SPOOL (KG)
317441	Welding Wire - MTL Brand	5183	0.9	7.0
317442	Welding Wire - MTL Brand	5183	1.2	7.0
319591	Welding Wire - MTL Brand	5356	1.2	7.0



Image courtesy of Muscat Trailers

# ALUMINIUM - THE SUPER METAL



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



# ALUMINIUM THE SUPER METAL

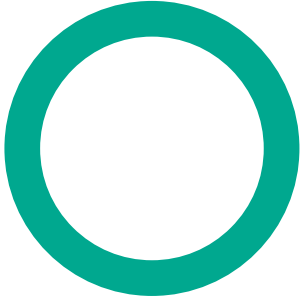
Aluminium is corrosion resistant, strong, lightweight and long-lasting. It is a metal that can be cast, rolled, drawn or extruded and can be finished by polishing, anodising or coating to achieve a myriad of visual and functional effects. Consider its abundance, affordability, corrosion resistance and 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. <ul style="list-style-type: none"> <li>• Sound absorbing</li> <li>• Used for ceilings</li> <li>• Shock absorbing</li> <li>• Due to its low modulus of elasticity, aluminium is used for automobile bumpers and the like.</li> <li>• Non-Sparking</li> <li>• Aluminium is void of sparking properties against itself and other non-ferrous metals.</li> </ul>



## 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.	<ul style="list-style-type: none"><li>• Principally used in electrical applications demanding the highest available electrical conductivity</li></ul>
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.	<ul style="list-style-type: none"><li>• Various machining components</li><li>• Screws, bolts, fittings and nuts</li><li>• Where good machinability and high strength are required</li></ul>
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.	<ul style="list-style-type: none"><li>• High-speed ships</li><li>• Cruise ships</li><li>• Sailboats and catamarans</li><li>• Application parts, including engine pedestals</li></ul>

ALLOY	DESCRIPTION	APPLICATIONS
6060/ 6063	<p>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.</p> <p>It is commonly used in window and door frames in residential and commercial applications.</p> <p>It is an ideal alloy for very complex cross-sections and has a very good anodising response.</p>	<ul style="list-style-type: none"> <li>• Architectural applications including door and window frames</li> <li>• Electrical components and conduits</li> <li>• Curtain Walls</li> <li>• Lighting, furniture and picture frames</li> <li>• Carpet edging</li> <li>• Railings and fences</li> <li>• Applications where surface finish is important</li> </ul>
6101	<p>6101 is a heat-treatable alloy specifically designed for electrical conductors with an electrical conductivity slightly higher than 6060 or 6063.</p>	<ul style="list-style-type: none"> <li>• Used for electrical bus bars where mechanical strength is also a requirement</li> </ul>
6106	<p>6106 is a heat-treatable alloy with mechanical properties between 6060 and 6005.</p> <p>It has excellent corrosion resistance, and its good extrudability enables more complex shapes to be extruded than can be produced with 6061 or 6082.</p>	<ul style="list-style-type: none"> <li>• Ladders</li> <li>• Tray bodies</li> <li>• Architectural shapes where increased strength is required</li> </ul>
6005A	<p>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.</p> <p>6005A is a heat-treatable alloy with excellent corrosion resistance. It also has good weldability.</p>	<ul style="list-style-type: none"> <li>• Ladders</li> <li>• Transport applications</li> <li>• Pylons</li> <li>• Platforms</li> <li>• Tubes and hollow sections</li> <li>• Pipelines</li> <li>• Applications that require greater strength than 6060 or 6063 alloy</li> </ul>
6061	<p>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.</p> <p>It is a quench sensitive alloy and therefore generally used for symmetrical shapes.</p>	<ul style="list-style-type: none"> <li>• Road, rail and marine transport</li> <li>• Scaffold tube</li> <li>• Structural members</li> </ul>
6351	<p>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.</p>	<ul style="list-style-type: none"> <li>• Road, rail and marine transport</li> <li>• Structural members</li> </ul>
6082	<p>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.</p> <p>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.</p>	<ul style="list-style-type: none"> <li>• Highly stressed applications</li> <li>• Bridges</li> <li>• Cranes</li> <li>• Marine applications</li> <li>• Other transport application</li> </ul>

## ALLOY SPECIFICATIONS – ROLLED PRODUCTS

ALLOY	DESCRIPTION	APPLICATIONS
3003	<p>3003 is a medium strength alloy with very good resistance to atmospheric corrosion.</p> <p>It also has very good weldability and good cold formability. It is widely used for chemical equipment including silos and also caravan sidings.</p>	<ul style="list-style-type: none"> <li>• Propellor plate</li> <li>• Cooking utensils</li> <li>• Chemical equipment</li> <li>• Sheet metal work</li> <li>• Storage tanks</li> <li>• Caravan sidings</li> <li>• Office equipment</li> <li>• Equipment for heating and cooling</li> </ul>
5005	<p>5005 is a medium strength general purpose alloy with good weldability, good formability and good corrosion resistance.</p> <p>It is an extremely popular alloy and is the most commonly used grade of aluminium in sheet and plate form.</p> <p>It is suitable for decorative anodising and as a result is often used in architectural applications.</p>	<ul style="list-style-type: none"> <li>• General sheet metal work</li> <li>• Architectural applications – cladding</li> <li>• Furniture</li> <li>• Packaging</li> <li>• Ducting in electrical cabinets</li> </ul>
5052	<p>5052 is a medium strength alloy which has excellent corrosion resistance, particularly in marine atmospheres.</p> <p>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.</p>	<ul style="list-style-type: none"> <li>• High strength sheet metal work</li> <li>• Tread plate</li> <li>• Small boats</li> <li>• Architectural paneling</li> <li>• Road signs</li> <li>• Truck fuel tanks</li> </ul>



ALLOY	DESCRIPTION	APPLICATIONS
5083	<p>5083 is known for exceptional performance in extreme environments. 5083 is resistant to attack by seawater and general industrial environments.</p> <p>It has the highest strength of the non-heat treatable alloys but is not recommended for use in temperatures in excess of 65 degree.</p>	<ul style="list-style-type: none"> <li>• Ship building</li> <li>• Drilling rigs</li> <li>• Rail cars</li> <li>• Vehicle and tip truck bodies</li> <li>• TV towers</li> <li>• Mine skips and cages</li> </ul>
5383	<p>5383 aluminum is an upgraded version of the 5083 aluminium. It has high strength, corrosion resistance, plasticity and excellent welding performance.</p> <p>Available in plate and extruded forms.</p>	<ul style="list-style-type: none"> <li>• High-speed ships</li> <li>• Cruise ships</li> <li>• Sailboats and catamarans</li> <li>• Application parts, including engine pedestals</li> </ul>
5251	<p>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.</p> <p>It has excellent corrosion resistance and weldability.</p>	<ul style="list-style-type: none"> <li>• Sheet metal work requiring higher strength than available with 5005</li> <li>• Tread plate</li> <li>• Small boats</li> </ul>
5454	<p>5454 is a non-heat treatable alloy with a lower magnesium content than alloy 5083 and as such is suitable for elevated temperature applications.</p>	<ul style="list-style-type: none"> <li>• Petroleum including bitumen road tankers</li> <li>• Chemical and process industries</li> </ul>



## 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 %
<b>EXTRUDED</b>					
1350*	F	Not specified	60	25	
2011†	T6	≤25	350	220	8
6060/6063	T1	≤12	115	60	12
	T4	≤12	125	70	12
	T5	≤12	150	110	8
	T6	≤12	205	170	8
	T581	All	140-190	80-140	12
	T582	≤12	150-205	min 110	8
	T591	≤12	150-205	95-140	8
	T595	≤12	170-220	130-160	5
6106	T4	≤12	130	70	12
	T5	≤ 12	150	110	8
	T6	≤12	235	210	8
6101	T5	≤12	150	110	10
	T6	≤12	200	170	
6005A	T4	≤12	180	110	14
	T5	≤12	260	240	8
	T6	≤12	270	225	8
6061	T4	All	180	110	14
	T5	All	235	210	8
	T6	All	260	240	8
6351	T4	≤150	185	115	16
	T5	≤150	260	240	8
	T6	≤150	295	255	8
6082	T5	≤6	270	230	8
	T6	≤20	295	255	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	1.3-3.0	170-215	65	19
	H114	1.3-3.0	170-240	65	10
	H32	1.3-3.0	215-265	160	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

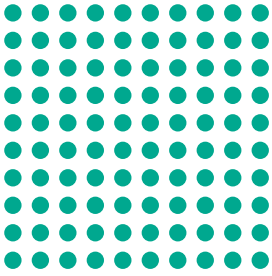
ALLOY	TEMPER	MACHINING				FORMING				GAS & INERT GAS WELDING				CORROSION RESISTANCE				ANODISING			
		D	C	B	A	D	C	B	A	D	C	B	A	D	C	B	A	D	C	B	A
1350	H111	■				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2011	T6	■	■	■	■	■				■				■	■						NR
6005A	T4	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	T5	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
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

ALLOY	TEMPER	MACHINING				FORMING				GAS WELDING*				CORROSION RESISTANCE				ANODISING			
		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



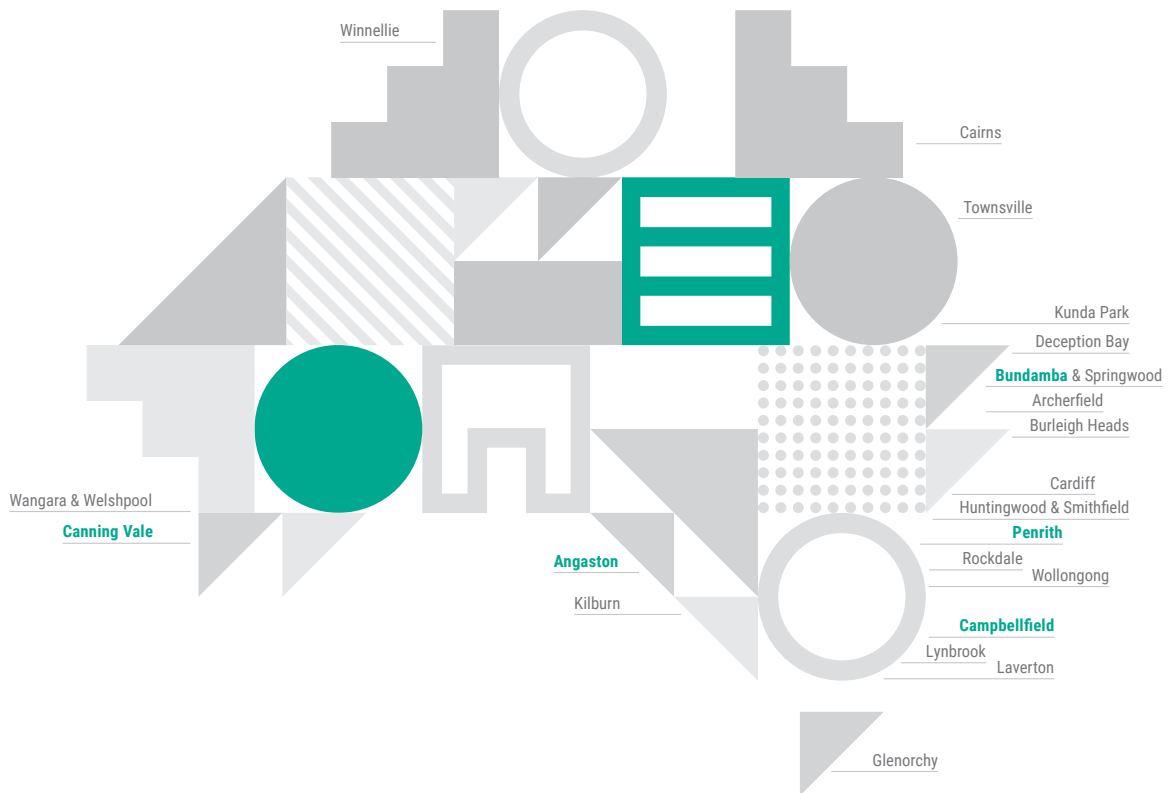
## ACCREDITATIONS

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





**1800 ALUMINIUM (258 646)**

**capral.com.au**

**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](http://capral.com.au) for location details.

