

*NEW EXTRUSION PRODUCTS ADDED  
TO OUR EXPANDING RANGE*

# ALUMINIUM PRODUCT GUIDE

- + Prompt delivery from North and South island locations
- + All of your material needs under one brand, nationwide
- + A selection of grades, tempers, and covers to choose from

# We're truly excited to share our updated Aluminium range

As we expand our product offering, Steel & Tube are listening to the feedback of our customers to build and develop a range tailored to the needs and wants of kiwi businesses

With the third customer-focused expansion to our range, we are now supplying Flat and Round Bar, Channels, and Angles, as well as the introduction of thicker sheet and plate from our last update. The selection in this brochure covers a range of common sizes, grades and tempers, but if you have specific requirements for your business please get in touch to discuss sourcing your material needs.

## ACCESS TO SPECIALIST SUPPORT

Steel & Tube is dedicated to making your projects run smoothly from beginning to end. Since 1953 we have acquired a wealth of industry knowledge in specialist areas like Stainless Steel, Building Services, Fastenings, and so much more. Utilising the combined offering of knowledge, services, branch network, and smart procurement, we have positioned ourselves well to continue to deliver project success and provide innovative solutions.

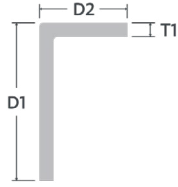
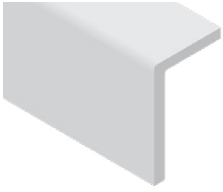
## SELECTION OF PROTECTIVE COVERS FOR ROLLED PRODUCTS

PE	PEF	PI
50 Micron Removable Polyurethane	100 Micron Removable Fibre Laser Film	Paper Interleaved

Aluminium enquiries

**0800 478 335** | **[sales@steelandtube.co.nz](mailto:sales@steelandtube.co.nz)** | **[steelandtube.co.nz](http://steelandtube.co.nz)**

**DISCLAIMER:** This publication is intended to provide information to the best of our knowledge in regard to Steel & Tube's aluminium product offering. It does not constitute a complete description of the goods or an express statement about their suitability for any particular purpose. All measurements are displayed in millimeters unless otherwise stated.

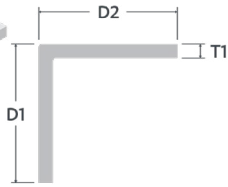
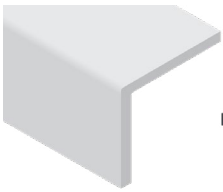


## UNEQUAL ANGLE

**D1** Height (mm)  
**D2** Width (mm)  
**T1** Thickness (mm)

Diagram for illustrative purposes only and not intended for specification use. For more information, different sizes, alloy and tempers, please contact Steel & Tube.

PRODUCT CODE	D1	D2	T1	LENGTH (m)	ALLOY	TEMPER	KG/M
PO111770	32	x 20	x 1.5	5.0	6060	T5	0.205
PO111771	40	x 25	x 3.0	5.0	6060	T5	0.504
PO111772	50	x 25	x 3.0	5.0	6060	T5	0.765
PO111773	75	x 50	x 6.0	5.0	6060	T5	1.937
PO111774	100	x 50	x 3.0	5.0	6060	T5	1.196

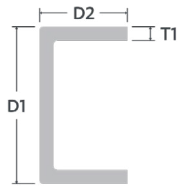
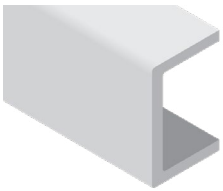


## EQUAL ANGLE

**D1** Height (mm)  
**D2** Width (mm)  
**T1** Thickness (mm)

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PRODUCT CODE	D1	D2	T1	LENGTH (m)	ALLOY	TEMPER	KG/M
PO111762	20	x 20	x 3.0	5.0	6060	T5	0.439
PO111763	25	x 25	x 3.0	5.0	6060	T5	0.561
PO111764	30	x 30	x 3.0	5.0	6060	T5	0.683
PO111765	40	x 40	x 1.6	5.0	6060	T5	0.340
PO111766	40	x 40	x 3.0	5.0	6060	T5	0.624
PO111767	40	x 40	x 6.0	5.0	6060	T5	1.204
PO111768	50	x 50	x 3.0	5.0	6060	T5	0.789
PO111769	50	x 50	x 6.0	5.0	6060	T5	1.530

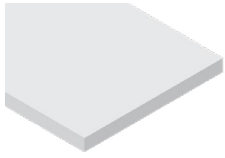


## CHANNEL

**D1** Height (mm)  
**D2** Width (mm)  
**T1** Thickness (mm)

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PRODUCT CODE	D1	D2	T1	LENGTH (m)	ALLOY	TEMPER	KG/M
PO111755	20	x 20	x 3.0	5.0	6060	T5	0.439
PO111756	25	x 25	x 3.0	5.0	6060	T5	0.561
PO111757	40	x 12	x 3.0	5.0	6060	T5	0.472
PO111758	40	x 20	x 3.0	5.0	6060	T5	0.602
PO111759	50	x 25	x 3.0	5.0	6060	T5	0.765
PO111760	50	x 50	x 3.0	5.0	6060	T5	0.789
PO111761	100	x 50	x 3.0	5.0	6060	T5	1.196

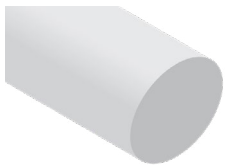


## FLAT BAR

**D2** Width (mm)  
**T1** Thickness (mm)

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PRODUCT CODE	D2	T1	LENGTH (m)	ALLOY	TEMPER	KG/M
PO111775	12	x 3.0	4.0	6060	T5	0.098
PO111776	25	x 3.0	4.0	6060	T5	0.203
PO111777	25	x 6.0	4.0	6060	T5	0.407
PO111778	40	x 3.0	4.0	6060	T5	0.325
PO111779	40	x 6.0	4.0	6060	T5	0.630
PO111780	40	x 10.0	4.0	6060	T5	1.085
PO111781	50	x 3.0	4.0	6060	T5	0.406
PO111782	50	x 6.0	4.0	6060	T5	0.814
PO111783	50	x 10.0	4.0	6060	T5	1.355
PO111784	60	x 3.0	4.0	6060	T5	0.488
PO111785	60	x 6.0	4.0	6060	T5	0.976
PO111786	100	x 3.0	4.0	6060	T5	0.809
PO111787	100	x 6.0	4.0	6060	T5	1.627
PO111788	100	x 10.0	4.0	6061	T6	2.712



## ROUND BAR

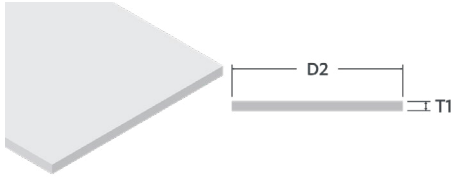
**D4** Diameter (mm)

Diagram for illustrative purposes only and not intended for specification use. For more information, different sizes, alloy and tempers, please contact Steel & Tube.

PRODUCT CODE	D4	LENGTH (m)	ALLOY	TEMPER	KG/M
PO111789	6.35	4.0	6060	T5	0.086
PO111790	9.53	4.0	6060	T5	0.193
PO111791	12.70	4.0	6060	T5	0.344
PO111792	15.88	4.0	6060	T5	0.537
PO111793	25.40	4.0	6061	T6	1.375
PO111794	31.75	4.0	6061	T6	2.148
PO111795	38.10	4.0	6061	T6	3.937
PO111796	50.80	4.0	6061	T6	5.493
PO111797	76.20	4.0	6061	T6	12.371
PO111798	88.90	4.0	6061	T6	16.838

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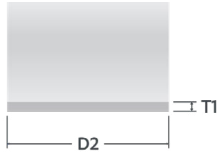


## SHEET AND PLATE

**D2** Width (mm)  
**T1** Thickness (mm)

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PRODUCT CODE	T1	LENGTH (m)	D2	COVER	ALLOY	TEMPER	KG/SHEET
P0079225	0.9	2.4 x	1,200	PE	5005	H34	6.998
P0086972	1.2	2.4 x	1,200	PE	5005	H32	9.331
P0079635	1.5	2.4 x	1,200	PE	5005	H34	11.664
P0079227	1.6	2.4 x	1,200	PE	5005	H34	12.442
P0086971	2.0	2.4 x	1,200	PE	5005	H32	15.552
P0079491	2.0	2.4 x	1,200	PEF	5005	H32	15.552
P0079492	2.5	2.4 x	1,200	PEF	5005	H32	19.440
P0079230	2.5	2.4 x	1,200	PE	5005	H34	19.440
P0079229	2.5	2.4 x	1,200	PEF	5005	H34	19.440
P0079639	3.0	2.4 x	1,200	PE	5005	H32	23.328
P0079493	3.0	2.4 x	1,200	PEF	5005	H32	23.328
P0079494	4.0	2.4 x	1,200	PEF	5005	H32	31.104
P0079233	4.0	2.4 x	1,200	PEF	5005	H34	31.104
P0079234	5.0	2.4 x	1,200	PEF	5005	H34	38.880
P0079636	1.5	3.0 x	1,500	PEF	5005	H32	18.225
P0086971	2.0	3.0 x	1,500	PE	5005	H32	15.552
P0079491	2.0	3.0 x	1,500	PEF	5005	H32	15.552
P0079230	2.5	3.0 x	1,500	PE	5005	H34	19.440
P0079639	3.0	3.0 x	1,500	PE	5005	H32	23.328
P0079493	3.0	3.0 x	1,500	PEF	5005	H32	23.328
P0079488	1.2	2.4 x	1,200	PE	5052	H32	9.262
P0079251	1.6	2.4 x	1,200	PE	5052	H32	12.349
P0079241	2.0	2.4 x	1,200	PE	5052	H32	15.437
P0079243	2.5	2.4 x	1,200	PE	5052	H32	19.296
P0079242	2.5	2.4 x	1,200	PEF	5052	H32	19.296
P0079245	3.0	2.4 x	1,200	PE	5052	H32	23.155
P0079244	3.0	2.4 x	1,200	PEF	5052	H32	23.155
P0079246	4.0	2.4 x	1,200	PEF	5052	H32	30.874
P0079247	5.0	2.4 x	1,200	PEF	5052	H32	38.592
P0079248	6.0	2.4 x	1,200	PEF	5052	H32	46.310
P0079251	1.6	3.0 x	1,500	PE	5052	H32	12.349
P0079241	2.0	3.0 x	1,500	PE	5052	H32	15.437
P0079489	2.0	3.0 x	1,500	PEF	5052	H32	24.120
P0079243	2.5	3.0 x	1,500	PE	5052	H32	19.296
P0079245	3.0	3.0 x	1,500	PE	5052	H32	23.155
P0079244	3.0	3.0 x	1,500	PEF	5052	H32	23.155
P0079246	4.0	3.0 x	1,500	PEF	5052	H32	30.874
P0079247	5.0	3.0 x	1,500	PEF	5052	H32	38.592
P0079248	6.0	3.0 x	1,500	PEF	5052	H32	46.310
P0079642	8.0	3.0 x	1,500	PE	5052	H32	96.480
P0079643	10.0	3.0 x	1,500	PE	5052	H32	120.600
P0079644	12.0	3.0 x	1,500	PE	5052	H32	144.720



## ALUMINIUM COIL

**D2** Width (mm)  
**T1** Thickness (mm)

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PRODUCT CODE	T1	D2	COVER	ALLOY	TEMPER	KG/M
P0086983	0.9	x 1,200	PI	5005	H32	2.916
P0086970	1.2	x 1,200	PE	5005	H32	3.888
P0086988	1.2	x 1,200	PEF	5005	H32	3.888
P0079640	1.6	x 1,200	PE	5005	H32	5.184
P0086987	1.6	x 1,200	PEF	5005	H32	5.184
P0079495	2.0	x 1,200	PE	5005	H32	6.480
P0086984	2.0	x 1,200	PEF	5005	H32	6.480
P0079496	2.5	x 1,200	PE	5005	H32	8.100
P0079497	3.0	x 1,200	PE	5005	H32	9.720
P0086985	3.0	x 1,200	PEF	5005	H32	9.720
P0086970	1.2	x 1,500	PE	5005	H32	3.888
P0079640	1.6	x 1,500	PE	5005	H32	5.184
P0079495	2.0	x 1,500	PE	5005	H32	6.480
P0086984	2.0	x 1,500	PEF	5005	H32	6.480
P0079496	2.5	x 1,500	PE	5005	H32	8.100
P0079497	3.0	x 1,500	PE	5005	H32	9.720
P0086985	3.0	x 1,500	PEF	5005	H32	9.720
P0079498	2.0	x 1,200	PE	5052	H32	6.432
P0079499	2.5	x 1,200	PE	5052	H32	8.040
P0079500	3.0	x 1,200	PE	5052	H32	9.648
P0086986	3.0	x 1,200	PEF	5052	H32	9.648
P0079637	1.2	x 1,500	PE	5052	H32	4.824
P0079498	2.0	x 1,500	PE	5052	H32	6.432
P0079500	3.0	x 1,500	PE	5052	H32	9.648
P0086986	3.0	x 1,500	PEF	5052	H32	9.648

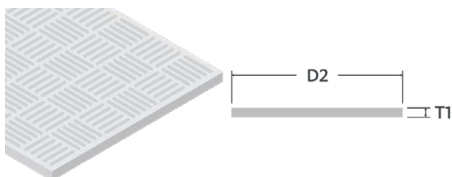
## BESPOKE CUT TO LENGTH SERVICE

Through our non-ferrous metals line, Steel & Tube can cut aluminium sheets to length, from 250 mm all the way to seven meters long. Once cut to your desired length, you have the option of four polishing finishes and the choice between polyurethane protective film or paper interleaving.

## SPECIFICATIONS

SIZE	MINIMUM	MAXIMUM
Coil Thickness	0.9	3.0
Cut length	250	7,000*
Width	500	1,524
Polishing	Option of 80, 100, 120 and 180 grit polishing finish. PE film can be applied after polishing	

\*Maximum cut length subject to material thickness. **Minimum order quantity may apply**



## 5 BAR TREAD / FLOOR PLATE

**D2** Width (mm)  
**T1** Thickness (mm)

Diagram for illustrative purposes only and not intended for specification use. For more information, different sizes, alloy and tempers, please contact Steel & Tube.

PRODUCT CODE	T1	LENGTH (m)	D2	COVER	ALLOY	TEMPER
P0079505	2.0	2.4 x	1,200	PI	5052	H114 *
P0079239	3.0	2.4 x	1,200	PI	5052	H114 *
P0079240	5.0	2.4 x	1,200	PI	5052	H114 *
P0079502	6.0	2.4 x	1,200	PI	5052	H114 *
P0079239	3.0	3.0 x	1,500	PI	5052	H114 *
P0079240	5.0	3.0 x	1,500	PI	5052	H114 *
P0079501	6.0	3.0 x	1,500	PE	5052	H114 *

\*Tread plate temper H114 may be substituted for 0 temper subject to availability.

## MINIMUM BEND RADIUS FOR SHEET OR PLATE THICKNESS ( T1 )

Recommended Minimum Inside Bend Radii for 90 Degree Cold Forming of Sheet and Plate, transverse to the rolling direction. These values are recommended but are not guaranteed.

ALLOY	TEMPER	THICKNESS						
		0.8	1.6	3.2	4.8	6.0	10.0	12.0
5005	H32	0.0 t	0.0 t	0.5 t	1.0 t	1.0 t	1.5 t	2.0 t
5005	H34	0.0 t	0.0 t	1.0 t	1.5 t	1.5 t	2.0 t	2.5 t
5052	H32	0.0 t	1.0 t	1.5 t	1.5 t	1.5 t	1.5 t	2.0 t
5052	H34	1.0 t	1.5 t	2.0 t	2.0 t	2.5 t	2.5 t	3.0 t

## More Options Available

### AFTER SOMETHING SPECIFIC?

Our Steel & Tube indent trading team supplies quality steel products to our customers from reliable mills through tried and trusted supply channels with an awareness on sustainability at competitive prices.

If your business or project requires a specific size, get in touch today to discuss sourcing your material needs.

**0800 478 335 | [sales@steelandtube.co.nz](mailto:sales@steelandtube.co.nz)**



# NATIONWIDE STEEL SOLUTIONS

Steel & Tube offers a comprehensive range of steel and allied products through a nationwide product distribution and processing network, so no matter where you are in the country we can deliver product to you.

As experts in our field, we pride ourselves in being able to offer a consistent end-to-end customer experience, advising, sourcing and supplying customer with their steel requirements. And underlying everything we do, is our continued commitment to quality.



Steel	0800 478 335	Chain & Rigging	0800 100 260
Aluminium		Reticulation, Pipe & Cable Supports	0800 474 735
Reo and Mesh		Stainless	0800 426 787
Plate Processing		Hurricane Rural & Fencing	0800 800 947
Roofing & Cladding		Fortress Fasteners	0800 425 262
Purlins		CFDL (ComFlor sales)	0508 332 546



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