

*NEW HOLLOW SECTION AND ROUND
TUBE NOW AVAILABLE*

ALUMINIUM PRODUCT GUIDE

- + Prompt delivery from North and South island locations
- + Robust procurement for quality and sustainable product
- + A selection of grades, tempers, and covers to choose from



Aluminium enquiries

0800 478 335 | sales@steelandtube.co.nz | 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. All weight measurements displayed may vary based on nominal density, composition tolerance, and mill processing.

You Spoke, We Listened

Since introducing Aluminium in October 2023, Steel & Tube have listened to customer feedback and tailored our stocked range to the engineers and fabricators of New Zealand.

Our fourth customer-focused expansion includes Round Tube, Square and Rectangular Hollow Sections, as well as additional variants of Flats, Rounds, Channels and Angles 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 get in touch today 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.

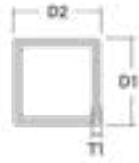
SELECTION OF PROTECTIVE COVERS FOR ROLLED PRODUCTS

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

SUSTAINABILITY & QUALITY FOCUSED

We're working through the value chain to offer low-carbon metals where possible while ensuring quality and consistency for our customers. Our procurement team and external auditors evaluate suppliers against strict criteria such as Modern Slavery, ESG, Quality Control, Delivery Performance, and more so that our customers can have peace of mind when buying with Steel & Tube.



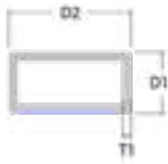


SQUARE HOLLOW SECTION

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	ALLOY	TEMPER	WEIGHT (kg/m)
P0121350	20	x 20	x 3.0	5,000	6060	T5	0.553
P0121351	25	x 25	x 1.6	5,000	6060	T5	0.406
P0121352	25	x 25	x 3.0	5,000	6060	T5	0.715
P0121353	40	x 40	x 2.0	5,000	6060	T5	0.824
P0121354	40	x 40	x 3.0	5,000	6060	T5	1.203
P0121355	50	x 50	x 3.0	5,000	6060	T5	1.528
P0121356	50	x 50	x 5.0	5,000	6060	T5	2.439
P0121357	75	x 75	x 3.0	5,000	6060	T5	2.341
P0121358	100	x 100	x 3.0	5,000	6060	T5	3.154

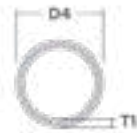


RECTANGULAR HOLLOW SECTION

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	ALLOY	TEMPER	WEIGHT (kg/m)
P0121359	40	x 20	x 3.0	5,000	6060	T5	0.878
P0121361	50	x 25	x 3.0	5,000	6060	T5	1.122
P0121362	50	x 40	x 3.0	5,000	6060	T5	1.366
P0121363	60	x 35	x 5.0	5,000	6060	T5	2.304
P0121364	75	x 50	x 3.0	5,000	6060	T5	1.935
P0121365	80	x 40	x 3.0	5,000	6060	T5	1.854
P0121366	80	x 40	x 6.0	5,000	6060	T5	3.512
P0121367	100	x 50	x 3.0	5,000	6060	T5	2.341
P0121368	100	x 50	x 6.0	5,000	6060	T5	4.488
P0121369	100	x 25	x 2.5	5,000	6060	T5	1.626
P0121370	150	x 50	x 3.0	5,000	6060	T5	3.143
P0121371	200	x 50	x 3.0	5,000	6060	T5	3.967



ROUND TUBE

D4 Outer Diameter (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	D4	T1	LENGTH	ALLOY	TEMPER	WEIGHT (kg/m)
P0121344	25	x 3.0	5,000	6060	T5	0.560
P0121345	32	x 3.0	5,000	6060	T5	0.740
P0121346	40	x 3.0	5,000	6060	T5	0.944
P0121360	50	x 2.0	5,000	6060	T5	0.816
P0121347	50	x 3.0	5,000	6060	T5	1.199
P0121348	75	x 3.0	5,000	6060	T5	1.836
P0121349	100	x 3.0	5,000	6060	T5	2.474



ROUND BAR

D4 Outer 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	ALLOY	TEMPER	WEIGHT (kg/m)
P0111789	6.35	4,000	6060	T5	0.086
P0111790	9.53	4,000	6060	T5	0.194
P0111791	12.70	4,000	6060	T5	0.344
P0111792	15.88	4,000	6060	T5	0.538
P0111793	25.40	4,000	6061	T6	1.375
P0111794	31.75	4,000	6061	T6	2.149
P0111795	38.10	4,000	6061	T6	3.095
P0111796	50.80	4,000	6061	T6	5.502
P0111797	76.20	4,000	6061	T6	12.379
P0111798	88.90	4,000	6061	T6	16.850

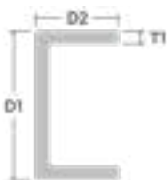


FLAT BAR

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	D2	T1	LENGTH	ALLOY	TEMPER	WEIGHT (kg/m)
PO111775	12 x 3.0	4,000	6060	T5	0.098	
PO111776	25 x 3.0	4,000	6060	T5	0.203	
PO111777	25 x 6.0	4,000	6060	T5	0.407	
PO121341	30 x 3.0	4,000	6060	T5	0.244	
PO111778	40 x 3.0	4,000	6060	T5	0.325	
PO111779	40 x 6.0	4,000	6060	T5	0.650	
PO111780	40 x 10.0	4,000	6060	T5	1.084	
PO111781	50 x 3.0	4,000	6060	T5	0.407	
PO111782	50 x 6.0	4,000	6060	T5	0.813	
PO111783	50 x 10.0	4,000	6060	T5	1.355	
PO111784	60 x 3.0	4,000	6060	T5	0.488	
PO111785	60 x 6.0	4,000	6060	T5	0.976	
PO121342	75 x 3.0	4,000	6060	T5	0.610	
PO111786	100 x 3.0	4,000	6060	T5	0.813	
PO111787	100 x 6.0	4,000	6060	T5	1.626	
PO111788	100 x 10.0	4,000	6061	T6	2.710	

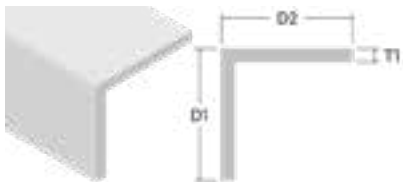


CHANNEL

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	ALLOY	TEMPER	WEIGHT (kg/m)
PO111755	20 x 20 x 3.0	5,000	6060	T5	0.439		
PO111756	25 x 25 x 3.0	5,000	6060	T5	0.561		
PO111757	40 x 12 x 3.0	5,000	6060	T5	0.472		
PO111758	40 x 20 x 3.0	5,000	6060	T5	0.602		
PO111759	50 x 25 x 3.0	5,000	6060	T5	0.764		
PO111760	50 x 50 x 3.0	5,000	6060	T5	1.166		
PO121328	75 x 40 x 3.0	5,000	6060	T5	1.211		
PO111761	100 x 50 x 3.0	5,000	6060	T5	1.571		

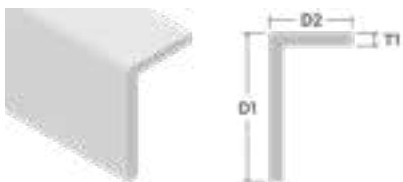


EQUAL ANGLE

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	ALLOY	TEMPER	WEIGHT (kg/m)
PO121330	20	x 20	x 1.6	5,000	6060	T5	0.167
PO111762	20	x 20	x 3.0	5,000	6060	T5	0.301
PO121331	25	x 25	x 1.6	5,000	6060	T5	0.210
PO111763	25	x 25	x 3.0	5,000	6060	T5	0.380
PO111764	30	x 30	x 3.0	5,000	6060	T5	0.462
PO111765	40	x 40	x 1.6	5,000	6060	T5	0.340
PO111766	40	x 40	x 3.0	5,000	6060	T5	0.626
PO111767	40	x 40	x 6.0	5,000	6060	T5	1.203
PO121332	50	x 50	x 1.6	5,000	6060	T5	0.427
PO111768	50	x 50	x 3.0	5,000	6060	T5	0.789
PO111769	50	x 50	x 6.0	5,000	6060	T5	1.528
PO121333	75	x 75	x 3.0	5,000	6060	T5	1.195
PO121334	100	x 100	x 6.0	5,000	6060	T5	3.154

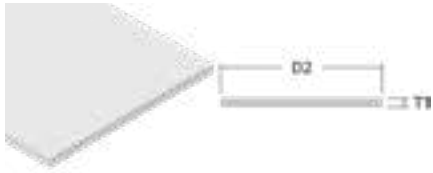


UNEQUAL ANGLE

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	ALLOY	TEMPER	WEIGHT (kg/m)
PO111770	32	x 20	x 1.5	5,000	6060	T5	0.205
PO111771	40	x 25	x 3.0	5,000	6060	T5	0.504
PO111772	50	x 25	x 3.0	5,000	6060	T5	0.585
PO121335	50	x 40	x 3.0	5,000	6060	T5	0.707
PO121336	75	x 50	x 3.0	5,000	6060	T5	0.992
PO121337	75	x 50	x 4.5	5,000	6060	T5	1.469
PO111773	75	x 50	x 6.0	5,000	6060	T5	1.935
PO121338	80	x 40	x 3.0	5,000	6060	T5	0.951
PO111774	100	x 50	x 3.0	5,000	6060	T5	1.195
PO121339	150	x 75	x 6.0	5,000	6061	T6	3.561
PO121340	150	x 75	x 8.0	5,000	6061	T6	4.705



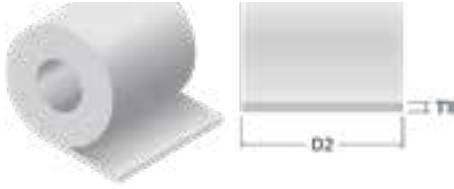
SHEET AND PLATE

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	D2	AVAILABLE LENGTHS			COVER	ALLOY	TEMPER	WEIGHT (kg/M ²)*
			2.4 m	3.0 m	3.6 m				
P0079225	0.9	1,200	✓			PE	5005	H34	2.43
P0086972	1.2	1,200	✓			PE	5005	H32	3.24
P0079635	1.5	1,200	✓			PE	5005	H34	4.05
P0079636	1.5	1,500		✓		PEF	5005	H32	4.05
P0086971	2.0	1,200	✓	✓	✓	PE	5005	H32	5.40
P0079491	2.0	1,200	✓	✓	✓	PEF	5005	H32	5.40
P0086971	2.0	1,500		✓	✓	PE	5005	H32	5.40
P0079491	2.0	1,500		✓	✓	PEF	5005	H32	5.40
P0079230	2.5	1,200	✓			PE	5005	H34	6.75
P0079492	2.5	1,200	✓			PEF	5005	H32	6.75
P0079639	3.0	1,200	✓	✓	✓	PE	5005	H32	8.10
P0079493	3.0	1,200	✓	✓	✓	PEF	5005	H32	8.10
P0079639	3.0	1,500		✓	✓	PE	5005	H32	8.10
P0079493	3.0	1,500		✓	✓	PEF	5005	H32	8.10
P0079494	4.0	1,200	✓			PEF	5005	H32	10.80
P0079488	1.2	1,200	✓			PE	5052	H32	3.22
P0079251	1.6	1,200	✓			PE	5052	H32	4.29
P0079251	1.6	1,500		✓		PE	5052	H32	4.29
P0079241	2.0	1,200	✓	✓	✓	PE	5052	H32	5.36
P0079489	2.0	1,200		✓	✓	PEF	5052	H32	5.36
P0079241	2.0	1,500		✓	✓	PE	5052	H32	5.36
P0079489	2.0	1,500		✓	✓	PEF	5052	H32	5.36
P0079243	2.5	1,200	✓			PE	5052	H32	6.70
P0079242	2.5	1,200	✓			PEF	5052	H32	6.70
P0079243	2.5	1,500		✓		PE	5052	H32	6.70
P0079245	3.0	1,200	✓	✓	✓	PE	5052	H32	8.04
P0079244	3.0	1,200	✓	✓	✓	PEF	5052	H32	8.04
P0079245	3.0	1,500		✓	✓	PE	5052	H32	8.04
P0079244	3.0	1,500		✓	✓	PEF	5052	H32	8.04
P0079246	4.0	1,200	✓			PEF	5052	H32	10.72
P0079246	4.0	1,500		✓		PEF	5052	H32	10.72
P0079247	5.0	1,200	✓	✓		PEF	5052	H32	13.40
P0079248	6.0	1,200	✓			PEF	5052	H32	16.08
P0079248	6.0	1,500		✓		PEF	5052	H32	16.08
P0079642	8.0	1,500		✓		PE	5052	H32	21.44
P0079643	10.0	1,500		✓		PE	5052	H32	26.80
P0079644	12.0	1,500		✓		PE	5052	H32	32.16

PLEASE NOTE: when calculating your sheet weight, this table displays KG/M², compared to KG/M as seen elsewhere in this catalogue.
✓ = available lengths. Additional options can be arranged through our indent trading team, subject to minimum order quantities and availability.



ALUMINIUM COIL

D2 Width (mm)
T1 Thickness (mm)

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PRODUCT CODE	T1	D2	COVER	ALLOY	TEMPER	WEIGHT (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	4.860
P0079640	1.6	x 1,500	PE	5005	H32	6.480
P0079495	2.0	x 1,500	PE	5005	H32	8.100
P0086984	2.0	x 1,500	PEF	5005	H32	8.100
P0079496	2.5	x 1,500	PE	5005	H32	10.125
P0079497	3.0	x 1,500	PE	5005	H32	12.150
P0086985	3.0	x 1,500	PEF	5005	H32	12.150
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	8.040
P0079500	3.0	x 1,500	PE	5052	H32	12.060
P0086986	3.0	x 1,500	PEF	5052	H32	12.060

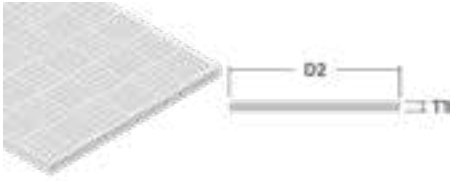
BESPOKE CUT TO LENGTH SERVICE

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.

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

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	



5 BAR TREAD / FLOOR PLATE

D2 Width (mm)
T1 Thickness (mm)

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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 *

*Steel & Tube may substitute H114 for O temper at any time, subject to material 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

Our Steel & Tube indent trading team supplies quality metal 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 or grade, get in touch today to discuss sourcing your material needs.

Aluminium enquiries

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ENGINEERING STEELS



RIMEX DECORATIVE FINISH



ZALMAX[™] HIGH GRADE GALVANISED HOLLOWS



FASTENINGS, BOLTS, WASHERS



HAND RAIL TUBING & ACCESORIES



LIFTING AND SUSPENDING EQUIPMENT

YOU MAY ALSO LIKE

ALLIED PRODUCTS FOR ENGINEERING AND FABRICATION

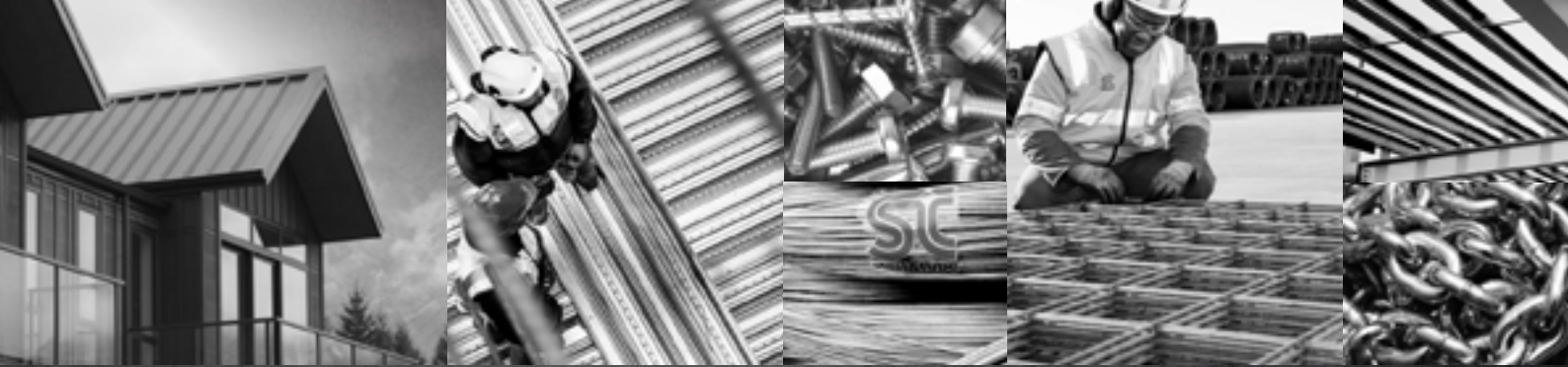
Steel & Tube offers a wide range of steel products from tried and trusted mills right across the globe, to provide New Zealand businesses with a reliable and affordable supply.

Our range includes but is not limited to:

- + Carbon Steel
- + Stainless Steel
- + Aluminium
- + Coil and Sheet
- + Workshop Consumables
- + Structural Steel
- + Pipe, Fittings and Valves
- + Pipe and Cable Supports
- + Mesh and Reinforcing
- + Plate Processing
- + Fencing Products
- + Roofing, Cladding, and Rainwater

View our range:
Scan the QR Code or head
to 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 customers with their steel requirements. And underlying everything we do, is our continued commitment to quality.



Engineering Steel Enquiries

0800 478 335 | sales@steelandtube.co.nz





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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