



With the latest aluminum products and deep manufacturing capabilities, PMIT inspires the shift towards the use of aluminum for marine vessels, yachts, ferries, and leisure crafts. Our expertise in the field guarantees high-quality aluminum products that boast high corrosion resistance and decrease energy consumption.



Our Story

Press Metal International Technology Limited (PMIT) is a wholly owned subsidiary of Press Metal Aluminium Holdings Berhad who is a world-class producer of aluminium with markets and operations in the strategic locations of Malaysia, South East Asia, China, Australia, Europe and the Americas. PMIT specialises in providing a complete, high value adding production chain from ingot production, billet casting, extrusion, bending, CNC machining, surface finishing, fabrication to delivery.

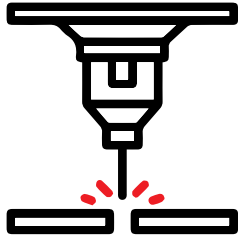
Starting as an aluminium extrusion provider in 2005, Press Metal International partnered with PMAHB to develop PMIT, to extend the aluminium fabrication service individually. Since then, we continue to improve and elevate our brand through a strong supply chain and robust experience in the field. Today PMIT produces and supplies materials for high specification applications, in the high-profile industries of Technology, Marine, Transportation, Infrastructure, energy companies and their projects. We work collaboratively with our customers to provide innovative turnkey solutions fit for the intended purpose.

Working closely with some of our clients, exploring opportunities in technologically advanced materials that enhance performance across multiple elements such as design, strength, weight, and workability has afforded PMIT the insight to invest in the R&D of innovative aluminium grades and extrusion portfolio, continuously improving on our manufacturing capabilities.



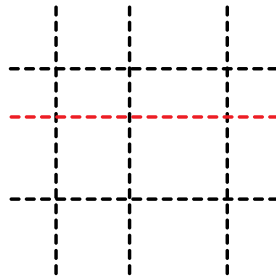
Your OWN Profile

You can create your own profiles or select from our wide standard profiles.



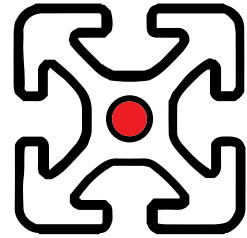
Cutting

Private dies cutting is available, we also provide die policy for your return on investment considerations



Dimensional Tolerances

We apply different countries standard per your requests



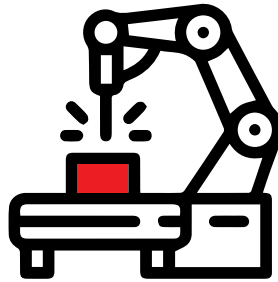
Dies Library

We keep updating our dies list, please see separate sheets or ask our sales representatives



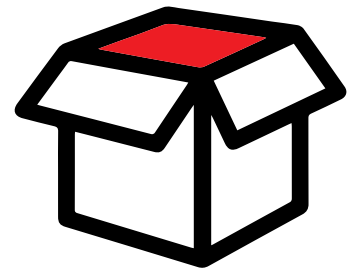
Delivery

3-4 weeks EXW for standard profiles (subject to stock availability)



Fabrication

From CNC to Welding, we offer full range of possible machining for your products



Packaging

Profiles will be packed in bundles with max 250kg, we also offer pull out metal trays for easy unloading, please ask for your tailor made arrangements



Prices

Please ask our sale representatives

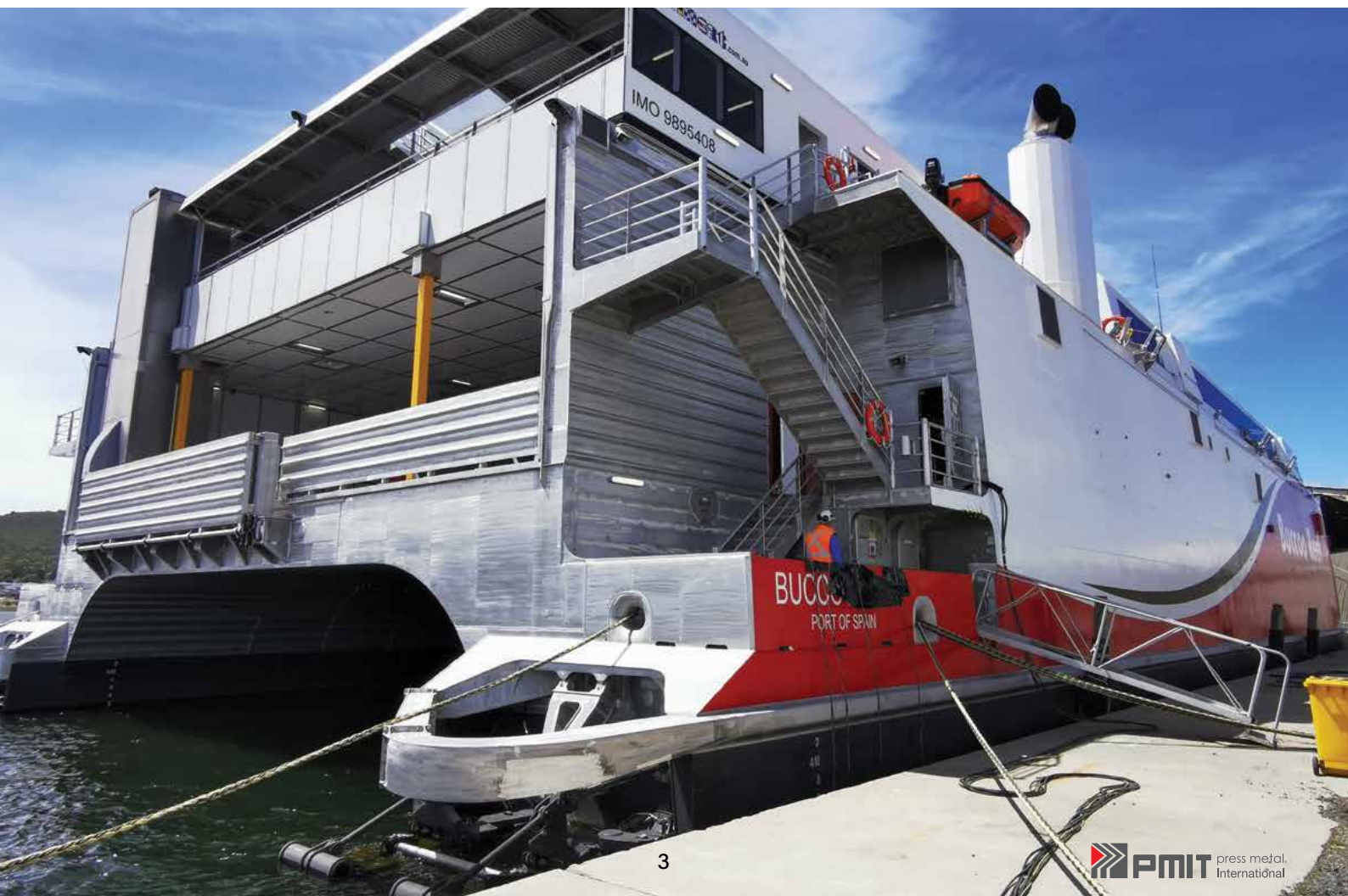


Weight

All specified weight are nominal, particular requests are acceptable with terms



PMIT focuses on the marine industry, particularly shipbuilding. One of the major areas of focus for any naval architect or designer is reducing the structural weight. Aluminium has become the material of choice due to the superb strength, workability, weldability and corrosion resistant characteristics for ocean going vessels.



Aluminium Alloy 6082

6082 is mainly for structural applications, including rod, bar, tube and profiles. This alloy offers similar but not equivalent physical characteristics compared to 6061 alloy, and slightly higher mechanical properties in the T6 condition. Alloy 6082 offers good weldability, corrosion resistance, formability and machinability. Typical applications are scaffolding elements, rail coach parts, offshore constructions, containers, machine building and mobile cranes. Due to the fine-grained structure this alloy exhibits a good resistance to dynamic loading conditions. 6082 is certified for use in marine applications.



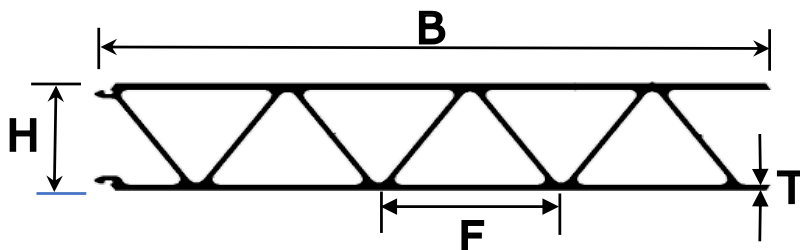
Aluminium Alloy 5383

5383 grade aluminium is designed to provide superior strength compared to 5083, allowing designers to reduce material thicknesses whilst still providing outstanding impact resistance and high corrosion resistance. This reduces the extent of heat input problems during the welding process which causes distortion; resulting in additional work and potential design impact.

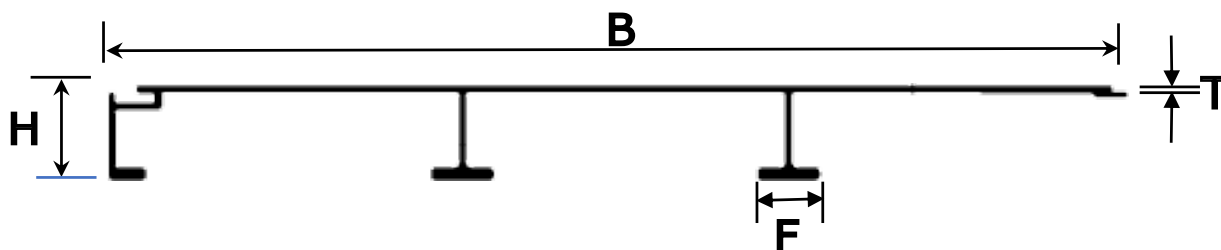
One of the least discussed benefits of 5383 is material handling. Until recently, the utilisation of 5383 grade aluminium throughout a vessel, even for non-structural elements was not seen as commercially viable within the marine industry due to long lead times, higher cost and minimal supply chain in comparison to the 6002 / 6082 extrusion that is more readily available. Ship yards and fabrication facilities have to segregate 6005 / 6082 extrusion from 5383 to prevent incorrect material selection which if used incorrectly, could have severe consequences to the material composition changes when welding. By using 5383 across the whole of vessel, there are significant savings in material handling and storage.

Vehicle and passenger decking sections

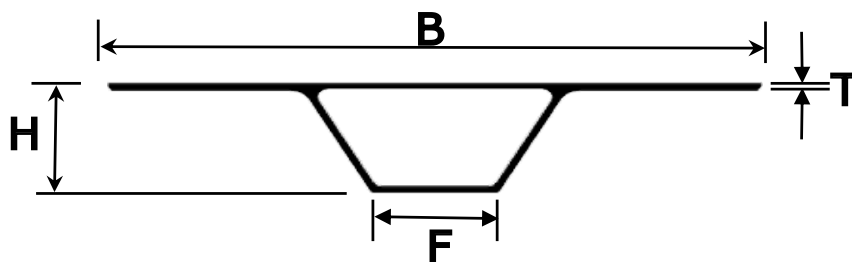
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)	H(mm)	T(mm)	F(mm)	kg/m
TL3020	319.93	35.00	3.00	94.23	7.2030
TL7299	317.00	50.00	3.00	71.27	8.8870
TL3257	320.76	62.50	4.70	75.50	11.9390



Section No	B(mm)	H(mm)	T(mm)	F(mm)	kg/m
TL3024	331.00	32.50	1.90	15.00	2.6800
AL2803	331.00	32.50	2.05	20.00	3.0770
AL3192	266.50	33.00	3.00	25.00	2.9800

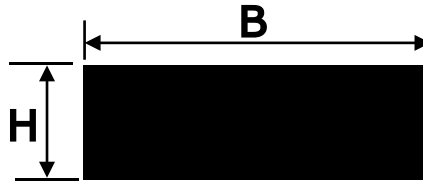


Section No	B(mm)	H(mm)	T(mm)	F(mm)	kg/m
AL2914	320.00	50.00	3.00	21.27	3.8950
TL3021	320.00	60.00	4.00	61.95	6.7050
TL3022	320.00	50.00	4.00	21.27	4.6670
AL2913	320.00	69.84	5.00	62.34	6.3240
TL3025	320.00	60.00	6.00	70.00	7.0900

** All information subject to PMIT official drawings

Flat Bar

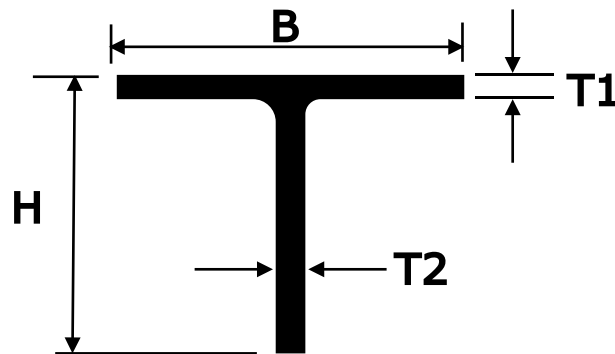
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)		H(mm)	
	from	to	from	to
TBXXX	9.53	320.00	0.60	63.50

T Bar

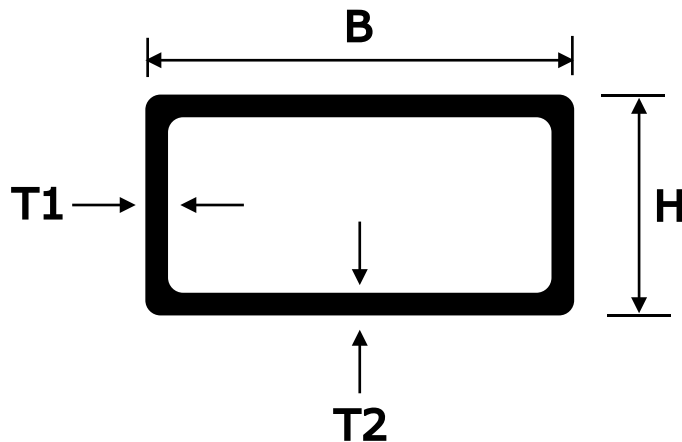
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)		H(mm)		T1 (mm)		T2 (mm)	
	from	to	from	to	from	to	from	to
TTXXX	6.25	101.60	15.00	101.60	1.20	9.53	1.20	9.53

Rectangular (& SHS)

Unspec tolerance to follow : EN755-9:2008

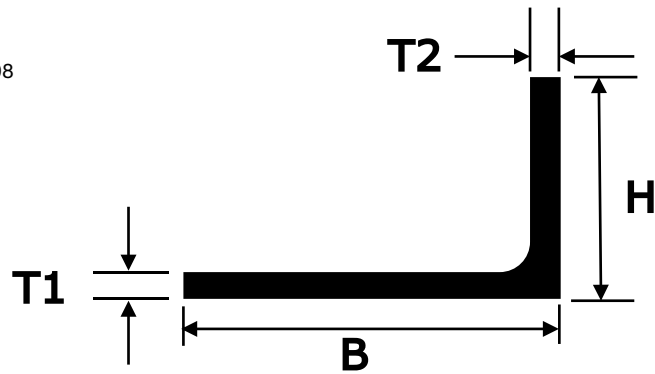


Section No	B(mm)		H(mm)		T1 (mm)		T2 (mm)	
	from	to	from	to	from	to	from	to
TFXXX	10.00	240.00	10.00	240.00	0.80	10.00	0.80	10.00

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Angles

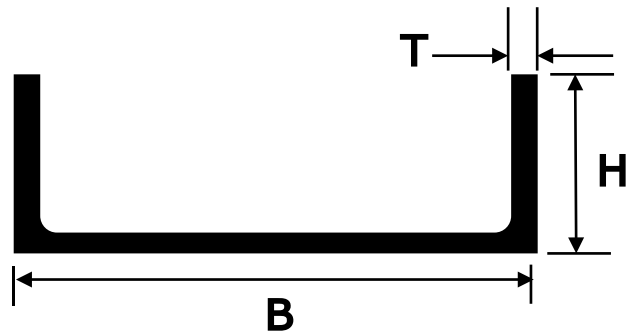
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)		H(mm)		T1 (mm)		T2 (mm)	
	from	to	from	to	from	to	from	to
TJXXXX	9.53	200.00	6.00	152.40	1.00	15.88	1.00	15.88

U-Channels

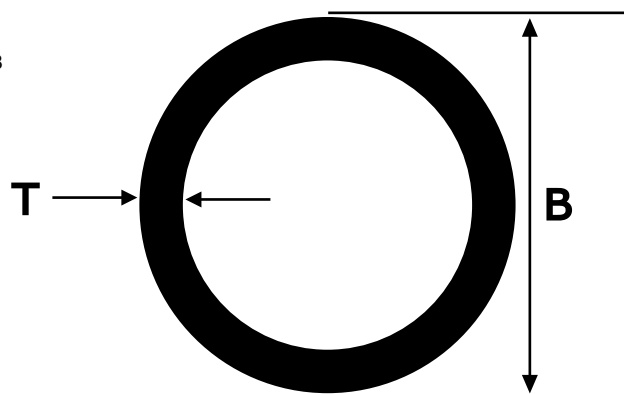
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)		H(mm)		T (mm)	
	from	to	from	to	from	to
TCXXXX	8.00	190.50	5.00	76.20	0.80	6.35

Tube (CHS)

Unspec tolerance to follow : EN755-9:2008

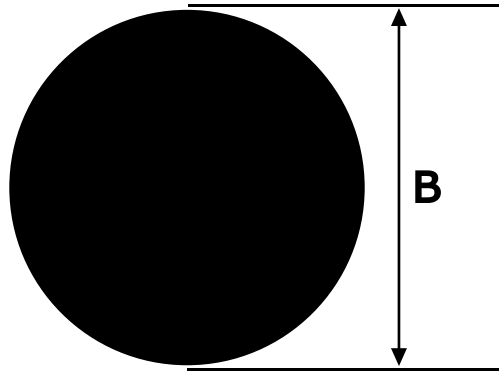


Section No	B(mm)		T(mm)	
	from	to	from	to
TYXXXX	8.00	178.00	0.90	19.05

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Round Bars

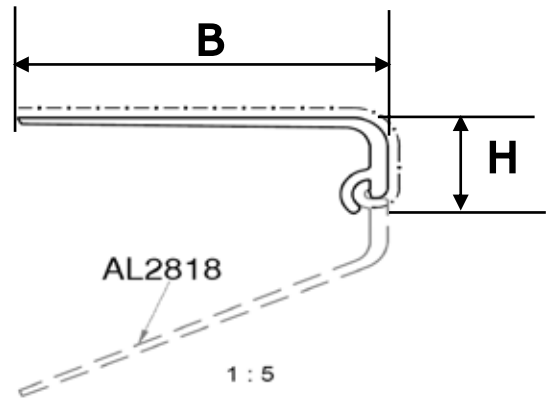
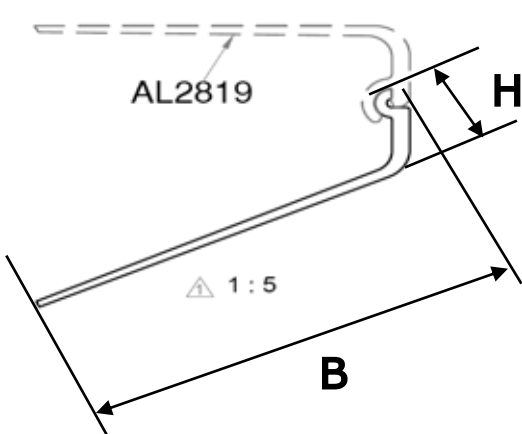
Unspec tolerance to follow : EN755-9:2008



Section No	B(mm)	
	from	to
TDXXX	4.50	88.90

Shapes (an example)

Unspec tolerance to follow : EN755-9:2008

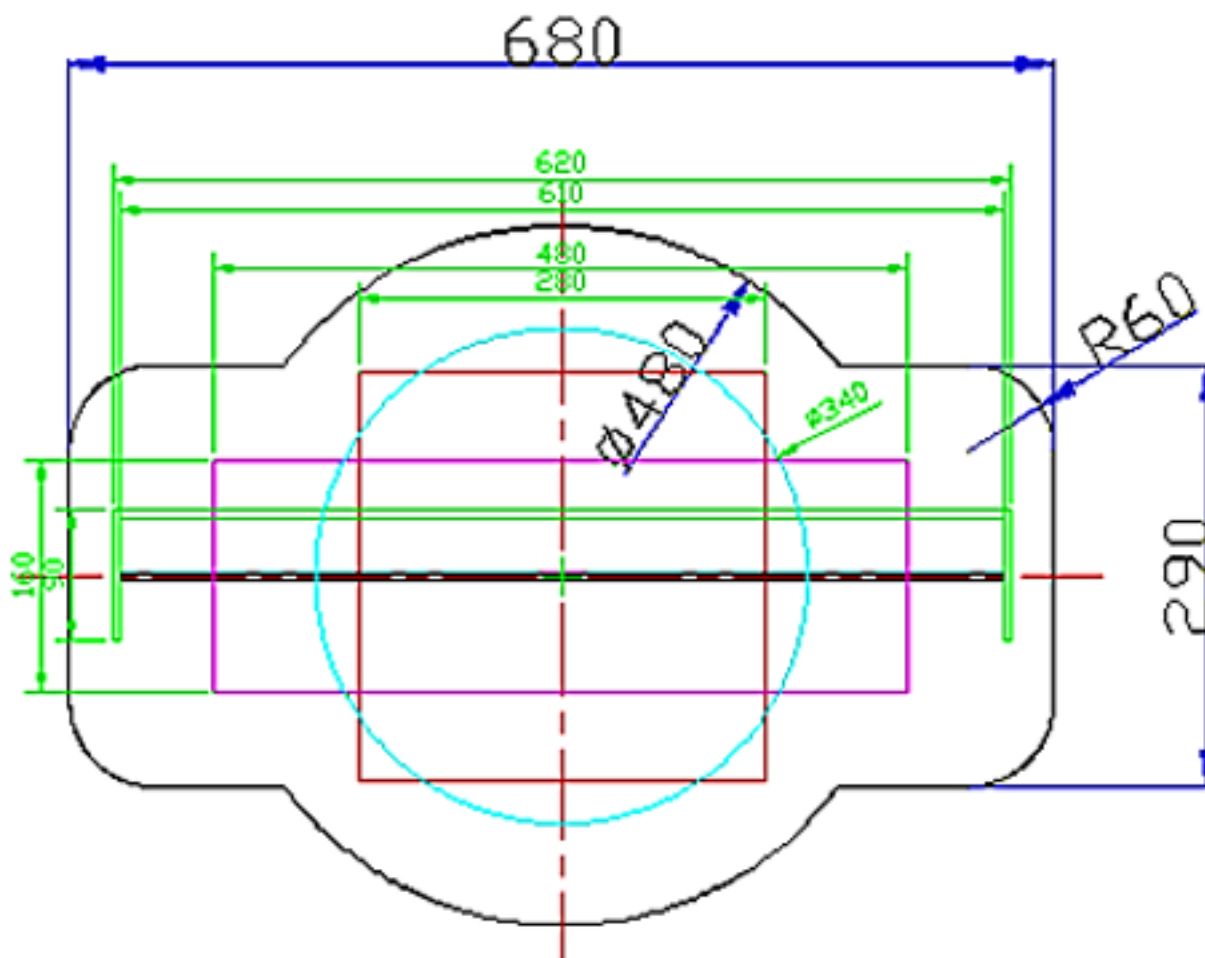


Section No	Sponson	
	B(mm)	H(mm)
AL2818	from 295.00	from 65.00
AL2819	from 253.00	from 78.00

WE MAKE IT POSSIBLE TO REALISE YOUR DESIGNS

Our existing extrusion machines are capable
for the following limits:

- Max width: 620 x 90mm.
- Max square: 280 x 280mm.
- Max round: 340mm diam.
- Generally profile weight: 35kg/m



PMIT Fabrications



**WELDED
DECKING
MODULES**

**NON-
SLIPPERY
DECKING**



**TAPERED
T-BARS**



The possible loading quantity in a 40 footer : (typical examples)

Section No.	Alloy	Standard dimensions Per module (set)				
		section / set	Width /set	Length / set	kg / set	set / ctn
TL3020	6082-T6	7	2197.5 ± 7mm	11800mm	595	30
TL3257	6082-T6	7	2207.8 ± 7mm	11800mm	986	18
TL3024	6082-T6	6	1916.0 ± 6mm	11800mm	190	62
TL3021	6082-T6	7	2240.0 ± 7mm	11800mm	554	34
TL3022	6082-T6	7	2240.0 ± 7mm	11800mm	387	44
TL3025	6082-T6	7	2240.0 ± 7mm	11800mm	586	30

* all above products are with mill finish surface

Remarks :

- 1) Lengths up to our workable areas to suite client specification;
- 2) Additional value adding fabrication can be carried out, such as inspection hatch, irregular shape openings;
- 3) Minimum ordering quantity is based on FCL. Otherwise client is responsible for additional freight cost.
- 4) All quote will be subjected to final ordering quantities, freight costs and agreed terms & conditions.
- 5) All third-party accreditations, such as DNV, are upon request.



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ALUMINIUM

Building the City of Tomorrow



Time to check for something new.