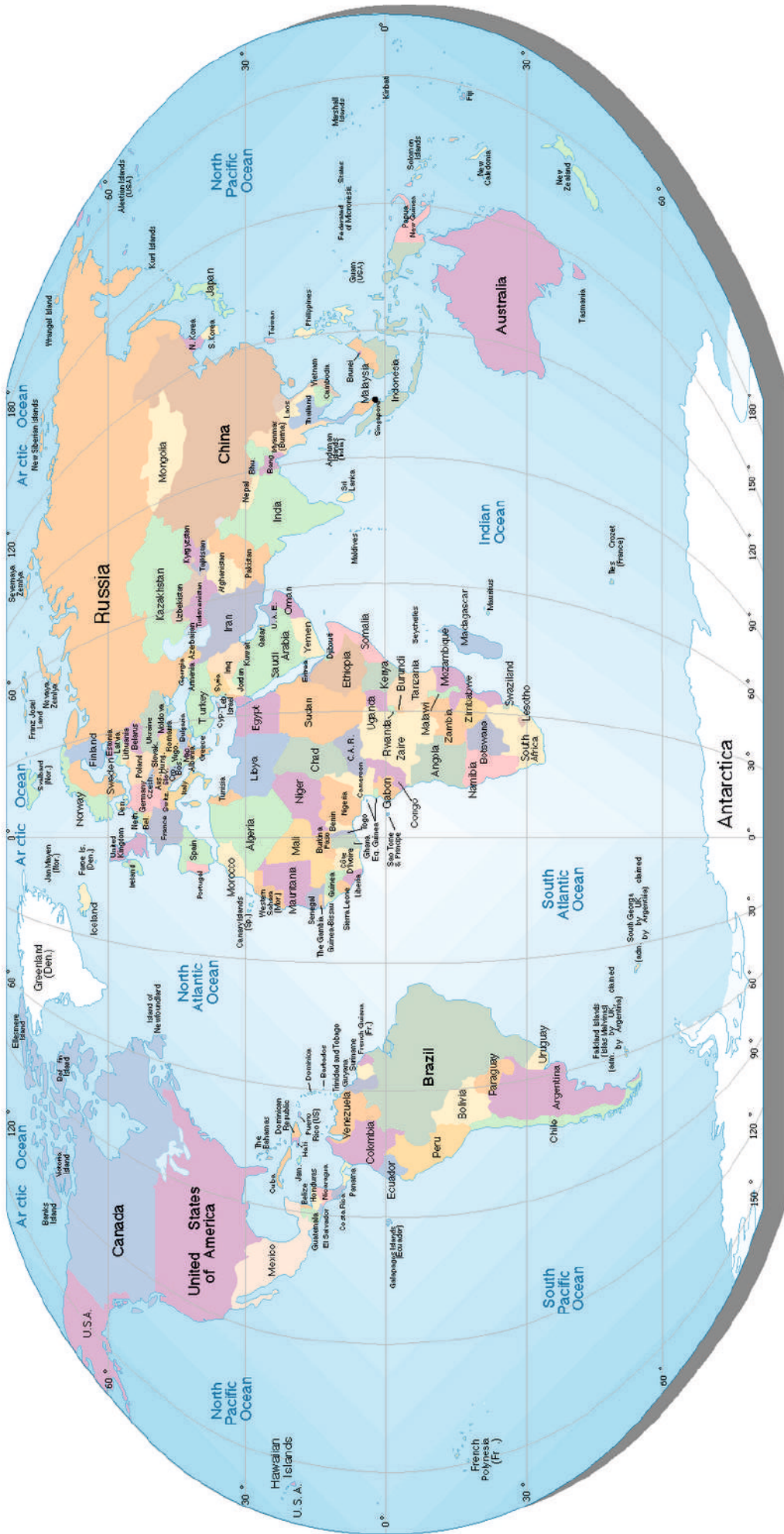


MENTAL

INDUSTRIES



PRODUCT CATALOGUE
2023



METAL INDUSTRIES



We are one of the major manufacturers of aluminium profiles in India backed by the promoters having an experience of more than 35 years in the aluminium and hardware industry. Metal Industries was established in the year 1998 as a manufacturer of high precision aluminium drawn tubes. At the time we were the only successful producers of aluminium heat exchange tubes in India. Under the vastly experienced promoters, the company was destined towards constant growth and big achievements. In 2004, the management foresaw a bright future in the aluminium industry and decided to go into upstream activities. In 2005, the company established the first and most successful aluminium extrusion plant in the state.

Over the next decade, the Metal Industries became one of the renowned brands and successful extruders of the country. In time, the company started to be identified by its quality and reliability in the market. We are producing 6000MT of aluminium profiles annually in our two 5” presses with an optimum efficiency and we have a large library of profiles used in diversified applications.

What we achieved in past is our new benchmark and we will continue to provide impeccable services in the aluminium extrusion industry. As we look into the future, Metal Industries will continue to grow stronger with a vision of bigger accomplishments.

BUSINESS



*Whenever you see a successful business,
someone once made a courageous decision.*

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CONVERSION TABLE

Inches	Millimeters
1"	25.40 mm
1 $\frac{1}{4}$ "	31.75 mm
1 $\frac{1}{2}$ "	38.10 mm
1 $\frac{3}{4}$ "	44.45 mm
2"	50.80 mm
2 $\frac{1}{4}$ "	57.15 mm
2 $\frac{1}{2}$ "	63.50 mm
3"	76.20 mm
3 $\frac{1}{4}$ "	82.55 mm
4"	101.60 mm

Feet	Inches	Millimeters
1'	12"	304.8 mm
12'	144"	3660.0 mm
15'	180"	4572.0 mm
17'	204"	5181.6 mm

CHEMICAL COMPOSITION OF ALUMINIUM ALLOYS

India (IS)	International (AA)	Cu	Mg	Si	Fe	Mn	Zn	Ti (4)	Cr
19500	1050	0.05	-	0.3	0.4	0.05	0.1	-	-
IE	EC	0.05	Copper+Silicon+Iron not more than 0.50 percent						
19000	1100	0.1	0.2	0.5	0.6	0.1	0.1	-	-
31000	3003	0.1	0.1	0.6	0.7	0.8-1.5	0.2	0.2	0.2
-	2024	3.8-4.9	1.2-1.8	0.5	0.5	0.3-.09	0.25	-	0.1
24345	2014	3.8-5.0	0.2-0.8	0.5-1.2	0.7	0.3-1.2	0.2	0.3	0.3
43000	4043	0.1	0.25	4.5-6.0	0.6	0.5	0.2	-	-
46000	4047	0.1	0.25	10.0-13.0	0.6	0.5	0.2	-	-
63400	6063	0.05	0.4-0.9	0.3-0.7	0.6	0.3	0.1	0.2	0.1
91E	6101	0.1	0.4-0.9	0.3-0.7	0.5	-	-	-	-
64430	6351	0.1	0.4-1.4	0.6-1.3	0.6	0.4-1.0	0.1	0.2	0.3
62400	6051	0.1	0.4-0.6	0.7-0.9	0.5	0.1	-	-	-
53000	5086	0.1	2.8-4.0	0.6	0.7	0.6	0.2	0.2	0.25
54300	5083	0.1	4.0-4.9	0.4	0.7	0.5-1.0	0.2	0.2	0.25
55000	5556	0.1	4.5-5.5	0.6	0.7	1.0	0.2	0.2	0.25
52000	-	0.1	1.7-2.8	0.6	0.7	0.5	0.2	0.2	0.25
64423	6066	0.5-0.1	0.5-1.3	0.7-1.3	0.8	1.0	-	-	-
65032	6061	0.15-0.4	0.8-1.2	0.4-0.8	0.7	0.2-0.8	0.2	0.2	-
-	6082	0.1	0.60-1.2	0.7-1.3	0.5	0.4-1.0	0.2	0.1	0.25
74530	-	0.2	1.0-1.5	0.4	0.7	0.2-0.7	4.0-5.4	0.2	0.2
-	7004	0.2	1.0-1.4	0.5	0.5	0.1-0.5	4.0-5.0	0.2	0.2
76528	7075	1.2-2.0	2.1-2.9	0.4	0.5	0.3	5.1-6.4	0.2	0.2

Note:

- Single figure shows maximum; table shows alloying ingredients and impurities; aluminium remainder.
- Information given in this catalogue on wrought aluminium alloy is for general guidance and not necessarily available.

ALUMINIUM ALLOYS SELECTION GUIDE (Heat Treatable)

IS Alloy Designation	International Equivalent	Typical Chemical Composition	Temper Condition	Size (diameter or cross section Dimension) (min)	Mechanical Properties			Applications
					0.25 Proof Stress kgf/mm ³ (min)	Ultimate Tensile Strength kfg/mm ²	Elongation on 50mm%	
53000	N5BS 5086A C54SAlcan	Mg2.8-4.0 AL- Remainder	M	Upto 50	10	22.0	14	Ship building, marine rivet and colnage
				50-100	10	22.5	14	
54300	N5BS 5083A C54SAlcan	Mg4.0-4.9 min0.5-1.0 AL- Remainder	O	Upto 150	12.5	27.0	13	Welded Structure Organic structural Marine application rail And road tankers, rivets and missile components
			M	Upto 150	13.0	28.0	11	
63400	H9BS 6063AA 50SAlcan	Mg 4.0-0.9 min0.5-1.0 AL- Remainder	M or O	All	8.0	11.0	13	Architectural uses such as window/door frames, wall facing Partitions, hand- rail etc and other application where surface finish is important and medium strength will suffice
			W	Upto 150	8.0	12.5	14	
			P	Upto 3	14.0	17.5	13	
			Wp	3--12	11.0	15.5	7	
				Upto 150 150-200	15.5 13.0	19.0 15.5	7 6	
63401	91E BS 610AA D50S Alcan	Mg4.0-0.9 si0.3-0.7 EC Crede AL- Remainder	W	All	6--5	15/0	14	High strength electrical bus bar
			Wp	All	16.5	20.0	8	
64401	6201 AA	Mg0.6-0.9 Si 0.5-0.9 EC Crede AL- Remainder	W	ALL	7.0	16.0	14.0	Over head conductors ACSR and AAac type
			Wp	ALL		32.0	3	
64423	6066AA	cu 0.5-1.0 Mg 0.5-1.3 si0.7-1.3	M or O	ALL	-	12.0	10.0	Application require good Strength and merchantability such as textile machine component
			W	ALL	16.0	27.0	3	
			Wp	Over 6.3	27.0	33.5	7	
64430	H30BS 6351AA B51S Alcan	Mg0.4-1.2 si0.6-1.3 min0.4-1.0 AL- Remainder	M or O	All	-	11.0	12	Structural application sof all kinds such as road rail transport mechanical bridges, cranes roof trusses rivets etc.
				upto 150	12.0	19.0	14	
				150-200	10.0	17.5	12	
			W	upto 5	26.0	30.0	7	
			Wp	5--75	27.5	31.5	7	
65032	H20BS 6061AA D65SAlcan	cu0.5-1.0 Mg0.7-1.2 si0.4-0.8 min0.2-0.8 or Cr0.15-0.35 AL- Remainder	M or O	All	-	11.0	12	
				upto 150	11.5	19.0	14	
				150-200	10.0	17.5	14	
			W		24.4		12	
			Wp	upto 150	20.5	28.5	7	
74530	7039AA D74S Alcan	Mg 1.0-1.4 min 0.2-0.7 Zn 4.0-5.0 AL- Remainder	W	Upto 6.3	22.5			Stressed structural require welding such as bridges, checker sheets, dump back botches, pressure vessels, rail coaches, etc
			Wp	6.3-7.5	23.5	26.0	9	
				75-100	22.5	28.0	9	
				Upto 6.3	25.0	26.5	9	
				6.3-7.5	26.5	29.0	7	
				75-150	25.0	31.5	7	
						29.5	7	

Note:

➤ Information given in this catalogue on wrought aluminium alloy is for general guidance and not necessarily available.

ALUMINIUM ALLOYS SELECTION GUIDE (Not Heat Treatable)

IS Alloy Designation	International Equivalent	Typical Chemical Composition	Temper Condition	Size (diameter or cross section Dimension) (min)	Mechanical Properties			Typical Users
					0.25 Proof Stress kgf/mm ³ (min)	Ultimate Tensile Strength kgf/mm ²	Elongation on 50mm%	
1	2	3	4	5	6	7	8	9
19000	IC-BS 1100-AA 2s-Alcan	Al-99%min	M	All	2.0	6.5	18	Refrigeration tubing and Industries packing in transport equipment for chemical food and brewing industry
19500	IB-BS 1050-AA IS Alcan	Al-99.5% min	M	All	2.0	6.5	23	Electrical conductors cable sheathing impact extruded products pressing utilities of anodizing quality pen caps, piping etc
19501	IB-BS 1350-AA IS Alcan	Al-99%min EC Crede Quality	M	All	2.0	6.5	23	do
24345	H-15BS 2014AA 26S-Alcan	Cu 3.8-5.0 Mg 0.2-0.8 SI 0.5-1.2 min 0.3-1.2 Ti/Cr 0.3 Max AL- Remainder	W Wp	Upto 10 10--75 75-100 150-200 Upto 10 10--25 25-75 75-100 150-200	22.5 24.0 24.0 23.0 38.0 41.0 43.0 14.5 38.5	38.0 39.5 39.5 28.0 44.0 47.0 49.0 47.0 44.0	10 8 8 6 6 6 6 6	Highly Stressed Component of all types in aircraft ordinance and general engineering
24534	H-14 2017AA 17S-Alcan	Cu 3.5-4.7 Mg 0.4-1.2 SI 0.2-0.7 min 0.4-1.2 AL- Remainder	M	Upto 10 10--75 75-100 150-200	22.5 24.0 24.0 23.0	38.0 39.5 39.5 38.0	10 8 8	Highly stressed parts in aircraft and other structures, screws machine products etc
31000	N-3BS 3003AA 35S-Alcan	min0.8-1.5 AL- Remainder	M	All	-	9.0	24	Redrawtubings and Industries machinery usages
43000	N21BS 4043AA 35S-Alcan	SI 4.5-6.0 AL- Remainder	M	Upto 10	-	11.0	18	Filler wire for welding architectural application etc
46000	N21BS 4047AA 35S-Alcan	SI 4.5-6.0 AL- Remainder	M	Upto 10	-	15.0	10	Filler wire for welding architectural application etc

Note:

➤ Information given in this catalogue on wrought aluminium alloy is for general guidance and not necessarily available.

TEMPER DESIGNATION TABLE

INDIA OR UK	USA CANADA	Description of relenting U.S designation
O	O	Annealed
M	F	AS fabricated as manufactured as cast
-	T1	Solution heat treated and cold worked
W	T4	Solution heat-treated naturally aged and amenable to artificial ageing
P	T5	Artificial aged or precipitation heat-treated
WP	T6	Solution heat-treated precipitation heat-treated

HOW TO ORDER

While sending an order, following information should be furnished for expeditious action

- 1) Section/Die number
- 2) Alloy and Temper
- 3) Cut length required
- 4) Quantity in Kg
- 5) Important Dimensions
- 6) Tolerance and details of important fitting with other profile, if any
- 7) Exposed surface of the section
- 8) Type of packing
- 9) End use

Minimum Order:-

For available dies : 300Kgs per section is acceptable

For new dies : Minimum order of 1000Kgs per section is desired.
 Quantity less than 1000Kgs can also be considered in special cases. Die development charges are to buyer's account.

Shipping tolerance : +- 10% of the orderd quantity.

Selection weight calculation : $(\text{Kg/M}) = \text{section area (mm}^2) \times 0.0027$ (for aluminium)

Weight : Weight range per length indicated in the catalog is the nominal weight and to be treated as an indication only.

Note:

➤ Information given in this catalogue on wrought aluminium alloy is for general guidance and not necessarily available.

TOLERANCES : BS 1474

BRITISH STANDARD TOLERANCES : BS 1474

Tolerances on diameter of round bar in the controlled stretched condition.			
Diameter	Up to and including	Tolerance on diameter (plus and minus)	
mm	mm	+ mm	- mm
10	18	0.05	0.20
18	30	0.08	0.26
30	40	0.14	0.28
40	60	0.20	0.40
60	80	0.30	0.60
80	100	0.40	0.80
100	160	% of specified diameter	1 % of specified diameter

Tolerances on diameter, or width across flats of bars for general purposes and on width of solid or hollow regular sections.		
Diameter, width or width across flats		Tolerance on diameter (plus and minus)
Over	up to and including	mm
mm	mm	mm
-	3	0.16
3	10	0.20
10	18	0.26
18	30	0.32
30	40	0.40
40	60	0.45
60	80	0.50
80	100	0.65
100	120	0.80
120	140	0.90
140	160	1.00
160	180	1.10
180	200	1.20
200	240	1.30
240	260	1.50
260	320	1.70

Tolerances (a) on the outside diameter of all extruded round tube and (b) on the inside diameter of class A and B extruded round tube			
(a) Outside Ø or (b) inside Ø		Tolerances on actual diameter (See note 4 and 5)	Tolerances on the mean diameter (see note r and 5)
Over	Up to and including	+ mm	- mm
mm	mm	+ mm	- mm
12	18	0.25	0.19
18	30	0.30	0.23
30	40	0.36	0.27
40	50	0.45	0.34
50	60	0.54	0.40
60	80	0.60	0.45
80	300	1 % of diameter	% of diameter

NOTE 1: The tolerances are applicable to non-heat treated tubing of wall thickness not less than 1.6 mm or 3% of the outside diameter, whichever is the greater, & heat treated tubing of wall thickness not less than 1.6mm or 4% of the outside diameter, whichever is the greater.

NOTE 2: In the case of tubing in straight lengths, the above tolerance limits are inclusive of ovality.

NOTE 3: Where a tolerance on wall thickness required the tolerances on diameter are to be applied either to the outside diameter or to the inside diameter but not to both.

NOTE 4: Tolerances on the actual diameter indicate the amount by which the diameter (inside or outside as appropriate measured in any direction may depart from the specified diameter. Tolerances on the mean diameter (inside or outside as appropriate) indicate the amount by which the mean of two diameters may depart from the specified diameter.

NOTE 5: The given tolerances on the actual dia. do not apply to annealed tube, coiled tube, or tube having a wall thickness less than 2.5% of outside diameter. The tolerances of these products and of controlled stretched tube as subject to agreement between purchaser and supplier.

Angular tolerances for extruded regular sections		
Normal thickness of thinner leg		Allowable deviation from angle specified (measured at the extremities of the section)
Over	Up to and including	+
mm	mm	2°
--	--	1.5°
1.6	5	1°
5	--	1°

Permitted corner radii		
For square and rectangular section		
Minor dimension		
Over	Up to and including	Radius on corner (max.)
mm	mm	mm
--	--	0.4
5	5	0.8
10	10	1.6
25	25	2.5
50	50	3.0
120	--	5.0
For regular sections (e.g.) angle, channel, I- and T-sections)		
Thickness of section		Radius on corner (max.)
mm	mm	mm
Up to and including 5	--	0.8
over 5	--	1.5

TOLERANCES : BS 1474

Tolerances on thickness of bars and regular sections																							
Width across flats of bar or width of section		Tolerance on specified thickness (plus and minus)																					
		Up to and including 1.6 mm thick	Over 1.6mm up to and including 3mm thick	Over 3mm up to and including 6mm thick	Over 6mm up to and including 10mm thick	Over 10mm up to and including 18mm thick	Over 18mm up to and including 30mm thick	Over 30mm up to and including 40mm thick	Over 40mm up to and including 60mm thick	Over 60mm up to and including 80mm thick	Over 80mm up to and including 100mm thick	Over 100mm up to and including 120mm thick	Over 120mm up to and including 140mm thick	Over 140mm up to and including 160mm thick									
Over	mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm									
--	10	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.36	0.40	0.45	0.50	0.57	0.70	0.80	0.82	0.90	0.95	1.00	1.05	1.10
10	18	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.33	0.36	0.40	0.43	0.48	0.52	0.60	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05
18	30	0.22	0.24	0.26	0.28	0.30	0.33	0.36	0.40	0.45	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10
30	60	0.24	0.26	0.28	0.30	0.34	0.37	0.42	0.50	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10
60	80	0.28	0.30	0.32	0.34	0.39	0.42	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10
80	120	0.32	0.34	0.36	0.39	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10
120	180	--	0.36	0.40	0.45	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10
180	240	--	--	0.50	0.55	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
240	320	--	--	0.60	0.65	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

Note : For sections over 160mm thick, the tolerances on thickness are those shown for comparable widths.

Tolerances on thickness of hollow section (classes A and b)																						
Width or width across flats		Tolerances on specified thickness																				
		Class A					Class B															
Over	mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm	±mm											
--	10	-	0.20	0.26	0.32	0.36	0.41	0.48	0.58	0.68	0.82	1.00	1.10	1.40	1.45	1.80	2.00	2.20	2.60	2.60	2.60	
10	18	0.20	0.22	0.24	0.26	0.28	0.30	0.33	0.36	0.40	0.45	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05
18	30	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.41	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05
30	60	0.32	0.34	0.36	0.38	0.41	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10
60	80	0.36	0.38	0.41	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10
80	120	-	0.48	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
120	180	-	0.65	0.75	0.85	0.95	1.05	1.20	1.25	1.45	1.80	2.00	2.20	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
180	240	-	--	0.95	1.05	1.20	1.25	1.45	1.80	2.00	2.20	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
240	320	-	--	1.25	1.45	1.80	2.00	2.20	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60

Note : The tolerances apply to non-heat-treated sections of wall thickness not less than 1.6 mm or 3% of the overall width, whichever is the greater, and heat-treated sections of wall thickness not less than 1.6 mm or 4% of the overall width, whichever is greater.

TOLERANCES : BS 1474

Tolerance on open end of channels and I-beams(see the figure-1)														
Overall width W of channel or I-beam		Minimum thickness of web or flange		Internal or external tolerance on open end dimensions for various depths of opening D (plus and minus)										
				For D	For D	For D	For D	For D	For D	For D	For D	For D		
Over	Up to and including	mm	mm	Up to and including 10mm deep	For D over 10mm up to and including 18mm deep	For D over 18mm up to and including 30mm deep	For D over 30mm up to and including 40mm deep	For D over 40mm up to and including 60mm deep	For D over 60mm up to and including 80mm deep	For D over 80mm up to and including 100mm deep	For D over 100mm up to and including 120mm deep	For D over 120mm up to and including 140mm deep	For D over 140mm up to and including 160mm deep	For D over 160mm up to and including 180mm deep
mm	mm	mm	mm	± mm	± mm	± mm	± mm	± mm	± mm	± mm	± mm	± mm	± mm	± mm
--	10	--	1.5	0.25	0.32	0.41	--	--	--	--	--	--	--	--
		1.5	3.0	0.23	0.28	0.34	--	--	--	--	--	--	--	--
		3.0	--	0.22	0.26	0.30	--	--	--	--	--	--	--	--
10	18	--	1.5	0.31	0.38	0.47	0.56	0.70	--	--	--	--	--	--
		1.5	3.0	0.29	0.34	0.40	0.46	0.55	--	--	--	--	--	--
		3.0	--	0.28	0.32	0.36	0.41	0.47	--	--	--	--	--	--
18	30	--	3.0	0.37	0.47	0.57	0.68	0.84	1.05	1.26	--	--	--	--
		3.0	6.0	0.37	0.44	0.53	0.62	0.76	0.93	1.11	--	--	--	--
		6.0	--	0.35	0.41	0.48	0.55	0.64	0.78	0.91	--	--	--	--
30	40	--	3.0	0.45	0.55	0.65	0.76	0.92	1.13	1.34	1.56	1.76	--	--
		3.0	6.0	0.45	0.52	0.61	0.70	0.84	1.01	1.19	1.36	1.54	--	--
		6.0	--	0.43	0.49	0.56	0.63	0.72	0.86	0.99	1.12	1.25	--	--
40	60	--	3.0	--	0.60	0.70	0.81	0.97	1.18	1.39	1.60	1.81	2.02	--
		3.0	6.0	--	0.57	0.66	0.75	0.89	1.06	1.24	1.41	1.59	1.76	--
		6.0	--	--	0.54	0.61	0.68	0.77	0.91	1.04	1.17	1.30	1.43	--
60	80	--	3.0	--	0.65	0.75	0.86	1.02	1.23	1.44	1.65	1.86	2.07	2.28
		3.0	6.0	--	0.62	0.71	0.80	0.94	1.11	1.29	1.46	1.64	1.81	1.99
		6.0	--	--	0.59	0.66	0.73	0.82	0.96	1.09	1.22	1.35	1.48	1.61
80	100	--	6.0	--	--	0.90	1.01	1.17	1.38	1.59	1.80	2.01	2.22	2.43
		6.0	--	--	--	0.86	0.95	1.09	1.26	1.44	1.61	1.79	1.96	2.14
100	120	--	6.0	--	--	1.05	1.16	1.32	1.53	1.74	1.95	2.16	2.37	2.58
		6.0	--	--	--	1.01	1.10	1.24	1.41	1.59	1.76	1.94	2.11	2.29
120	140	--	6.0	--	--	1.15	1.26	1.42	1.63	1.84	2.05	2.26	2.47	2.68
		6.0	--	--	--	1.11	1.20	1.34	1.51	1.59	1.86	2.04	2.21	2.39
140	160	--	6.0	--	--	1.25	1.36	1.52	1.73	1.94	2.15	2.36	2.57	2.78
		6.0	--	--	--	1.21	1.30	1.44	1.61	1.79	1.96	2.14	2.31	2.49

TOLERANCES : BS 1474

Tolerance on wall thickness of extruded round tube (class A, B and C)

Nominal wall thickness of tube	Class A			Class B			Class C		
	Tolerance on mean wall thickness	Wall thickness at any point		Tolerance on mean wall thickness	Wall thickness at any point		Tolerance on mean wall thickness	Wall thickness at any point	
		(Max.)	(Min.)		(Max.)	(Min.)		(Max.)	(Min.)
mm	± mm	mm	mm	± mm	mm	mm	± mm	mm	mm
1.10	0.15	1.20	0.80	--	--	--	--	--	--
1.5	0.16	1.71	1.29	0.18	1.74	1.26	--	--	--
2.0	0.17	2.23	1.77	0.20	2.27	1.73	--	--	--
2.5	0.18	2.74	2.26	0.22	2.80	2.20	--	--	--
3.0	0.20	3.27	2.73	0.27	3.36	2.64	0.65	3.87	2.13
4.0	0.23	4.30	3.70	0.31	4.42	3.58	0.70	4.93	3.09
5.0	0.26	5.34	4.66	0.37	5.49	4.51	0.75	6.00	4.00
6.0	0.28	6.38	5.62	0.43	6.58	5.42	0.82	7.09	4.91
7.0	0.31	7.43	6.57	0.51	7.67	6.33	0.89	8.18	5.82
8.0	0.34	8.47	7.53	0.56	8.76	7.24	0.94	9.27	6.73
10.0	0.40	10.52	9.48	0.65	10.85	9.15	1.03	11.36	8.84
12.0	0.46	12.61	11.39	0.77	13.03	10.97	1.15	13.54	10.46
14.0	0.53	14.71	13.29	0.88	15.24	12.76	1.30	15.75	12.25
16.0	0.58	16.76	15.24	1.00	17.34	14.66	1.40	17.88	14.12
18.0	0.63	18.82	17.18	1.13	19.44	16.56	1.50	20.00	16.00
20.0	0.68	20.90	19.10	1.22	21.63	18.38	1.60	22.13	17.88
22.0	0.74	23.00	21.00	1.35	23.81	20.19	1.73	24.32	19.68
25.0	0.81	26.10	23.90	1.49	27.00	23.00	1.88	27.50	22.50

Note 1: The tolerances given in this table apply to non-heat-treated tube of wall thickness not less than 1.6mm or 3% of the outside diameter, whichever is the greater and to heat-treated tube of wall thickness not less than 1.6mm or 4% of the outside diameter, whichever is the greater.

Note 2: These tolerances on wall thickness do not apply where tolerances on both outside and inside diameter are required in which case the eccentricity tolerance on the resultant wall should be agreed between the purchaser and the supplier at the time of the enquiry and order.

Note 3: Mean thickness is defined as the sum of the wall thickness measured at the ends of any two diameters at right angles, divided by four.

Note 4: The tolerance on the wall thickness of intermediate nominal wall thickness should be taken as those of the lower size.

TOLERANCES : BS 1474

(Concluded)

Overall width W of channel or I-beam	Minimum thickness of web or flange		Internal or external tolerance on open end dimensions for various depths of opening D (plus and minus)												
	Over	Up to and including	For D up to and including 10mm deep	For D over 10mm up to and including 18mm deep	For D over 18mm up to and including 30mm deep	For D over 30mm up to and including 40mm deep	For D over 40mm up to and including 60mm deep	For D over 60mm up to and including 80mm deep	For D over 80mm up to and including 100mm deep	For D over 100mm up to and including 120mm deep	For D over 120mm up to and including 140mm deep	For D over 140mm up to and including 160mm deep	For D over 160mm up to and including 180mm deep		
mm 160	mm 6.0	mm 6.0	±mm —	±mm —	±mm 1.35	±mm 1.46	±mm 1.62	±mm 1.83	±mm 2.04	±mm 2.25	±mm 2.46	±mm 2.67	±mm 2.88		
180	6.0	6.0	—	1.31	1.40	1.54	1.71	1.89	2.06	2.24	2.41	2.59			
200	6.0	6.0	—	1.45	1.56	1.72	1.93	2.14	2.35	2.56	2.77	2.98			
240	6.0	6.0	—	1.41	1.50	1.64	1.81	1.99	2.16	2.34	2.51	2.69			
280	6.0	6.0	—	1.55	1.66	1.82	2.03	2.24	2.45	2.66	2.87	3.08			
320	6.0	6.0	—	1.51	1.60	1.74	1.91	2.09	2.26	2.44	2.61	2.79			
			—	1.71	1.80	1.94	2.11	2.29	2.46	z	2.81	2.99			
			—	1.81	2.00	2.14	2.32	2.49	2.66	2.84	3.01	3.19			

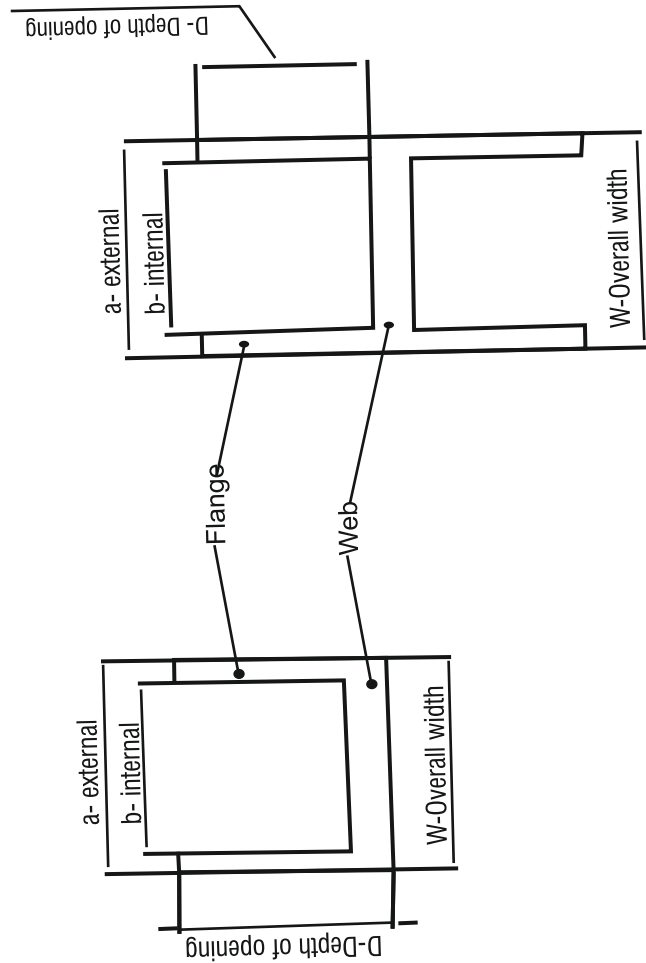


Figure1 - Channel and I-beam dimensions for tolerances purposes(see table-8)

TOLERANCES : BS 1474

Tolerance on twist for extruded solid and hollow sections (see figure3)		
Diameter of circumscribing circle for the section	Maximum angle of twist T per 300mm run	Maximum total angle of twist per length.
mm	degrees	degrees
Under 20	3	7
20 up to and including 40	1	5
over 40 upto and including 80	0.5	3
Over 80		
Lengths up to and including 8000mm	0.25	2
Lengths over 8000mm	0.25	3

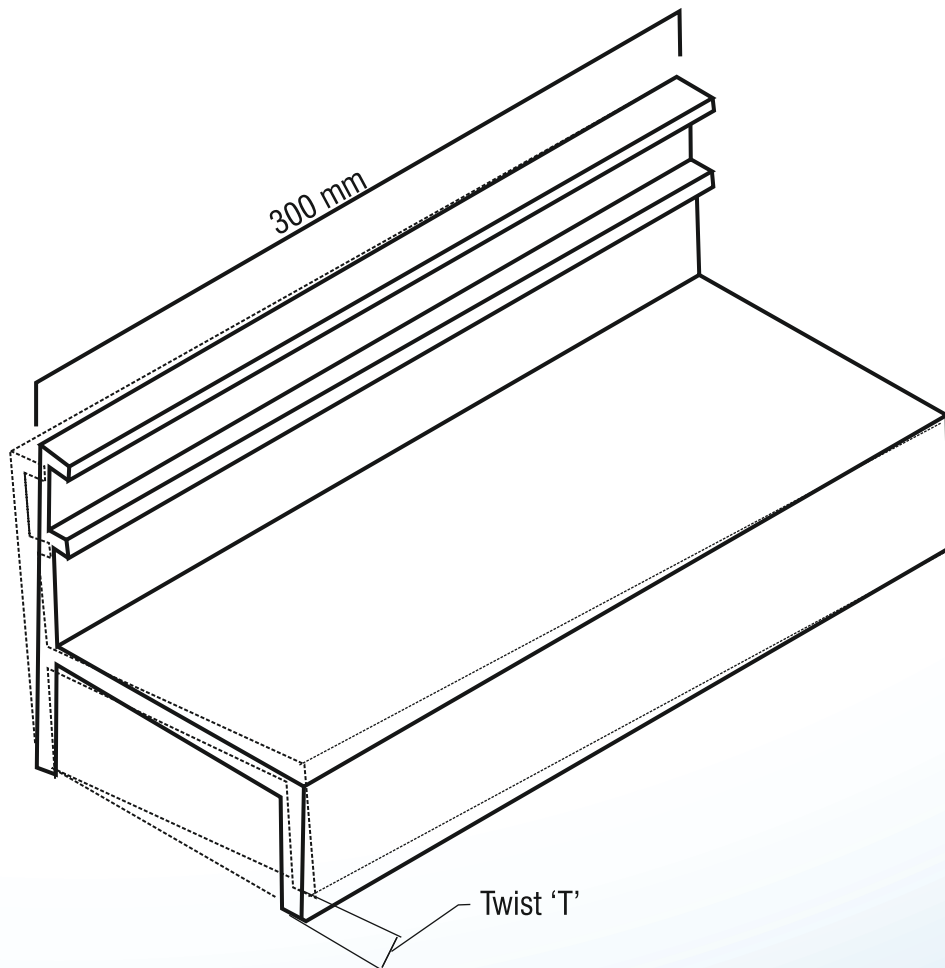


Figure 3 - Measurement of twist of sections.

TOLERANCES : BS 1474

Tolerance on length for all materials supplied in fixed cut lengths							
Dimameter, width across flats or overall width		Tolerance on length for given length(Plus and minus) (see notes 1 and 2)					
Over	Up to and including	Over 300 mm up to and including 1000mm long	Over 1000mm up to and including 1500mm long	Over 1500mm up to and including 5000mm long	Over 5000mm up to and including 7000mm long	Over 7000mm up to and including 10000mm long	Over 10000mm long
mm	mm	±mm	±mm	±mm	±mm	±mm	±mm
---	60	2.0	2.5	2.5	3.5	4.0	6.5
60	100	2.0	2.5	3.5	4.0	5.5	7.5
100	140	3.0	3.5	4.0	5.0	6.5	8.0
140	180	3.5	4.0	5.0	6.5	8.0	9.5
180	240	4.5	5.0	6.5	8.0	9.5	11.0

NOTE 1: Tolerances on length are measured at a temperature of 16+5c They provide for cut-of-squareness of cut to the extent of 1.

NOTE 2: Total tolerances (i.e the sum of the plus and minus limits) may be applied unilaterally by agreement between the supplier and the purchaser.

Tolerances on concavity and convexity for extruded solid and hollow section.	
Width of section W	Maximum allowable deviation D (see figure 2)
mm Up to and including 25	mm 0.125
Over 25	0.125 per 25mm increment in width (e.g. for 150mm width maximum deviation D permitted is 0.75mm.)

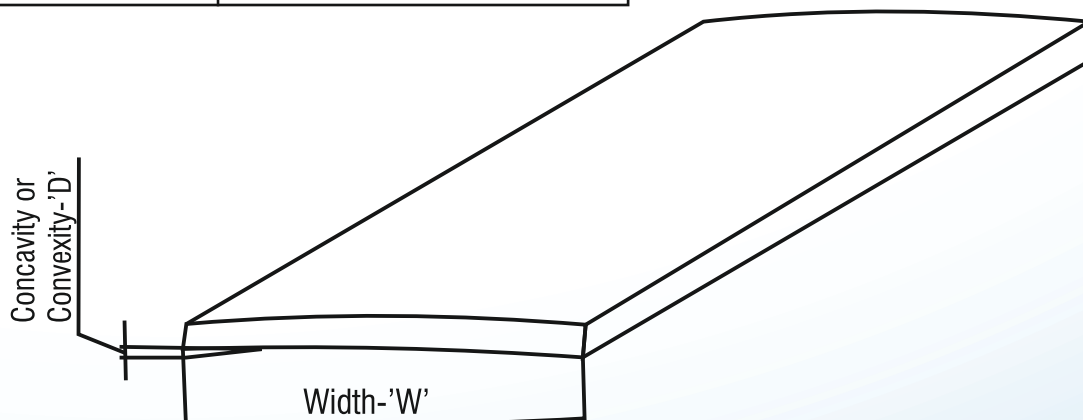
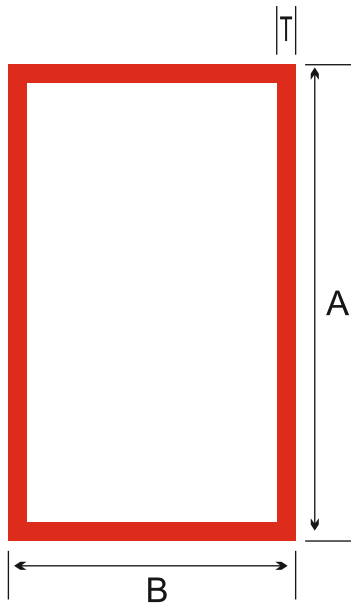


Figure 2- Measurement of concavity and convexity of extruded sections.

*Standard
Profile*

Standard Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

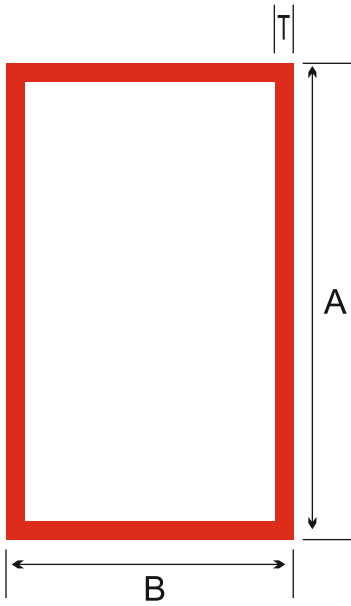
RECTANGULAR TUBE


Die No	Rectangular Tube		Thickness (T) (in mm)	Weight (Kg/Meter)
	"A" (in mm)	"B" (in mm)		
6054	31.4 mm	9.2 mm	2.40 mm	0.472
6059	55.0 mm	15.3 mm	1.00 mm	0.367
6060	50.0 mm	38.0 mm	2.00 mm	0.872
6061	64.0 mm	38.0 mm	0.80 mm	0.437
6061	64.0 mm	38.0 mm	0.91 mm	0.491
6061	64.0 mm	38.0 mm	1.01 mm	0.546
6061	64.0 mm	38.0 mm	1.11 mm	0.601
6061	64.0 mm	38.0 mm	1.21 mm	0.655
6061	64.0 mm	38.0 mm	1.32 mm	0.710
6061	64.0 mm	38.0 mm	1.44 mm	0.765
6061	64.0 mm	38.0 mm	1.52 mm	0.819
6061	64.0 mm	38.0 mm	1.62 mm	0.874
6061	64.0 mm	38.0 mm	1.72 mm	0.928
6061	64.0 mm	38.0 mm	1.82 mm	0.983
6061	64.0 mm	38.0 mm	1.93 mm	1.038
6061	64.0 mm	38.0 mm	2.03 mm	1.092
6061	64.0 mm	38.0 mm	2.13 mm	1.147
6061	64.0 mm	38.0 mm	2.23 mm	1.202
6061	64.0 mm	38.0 mm	2.33 mm	1.256
6061	64.0 mm	38.0 mm	2.43 mm	1.311
6061	64.0 mm	38.0 mm	2.54 mm	1.366
6061	64.0 mm	38.0 mm	2.64 mm	1.420
6062	50.0 mm	25.0 mm	0.65 mm	0.262
6062	50.0 mm	25.0 mm	0.76 mm	0.306
6062	50.0 mm	25.0 mm	0.85 mm	0.349
6062	50.0 mm	25.0 mm	0.98 mm	0.393
6062	50.0 mm	25.0 mm	1.09 mm	0.437
6062	50.0 mm	25.0 mm	1.20 mm	0.481
6062	50.0 mm	25.0 mm	1.31 mm	0.524
6062	50.0 mm	25.0 mm	1.42 mm	0.568
6062	50.0 mm	25.0 mm	1.53 mm	0.612
6062	50.0 mm	25.0 mm	1.64 mm	0.656
6062	50.0 mm	25.0 mm	1.75 mm	0.700
6062	50.0 mm	25.0 mm	1.86 mm	0.743
6062	50.0 mm	25.0 mm	1.97 mm	0.787
6062	50.0 mm	25.0 mm	2.08 mm	0.831
6063	38.0 mm	24.0 mm	0.65 mm	0.218
6063	38.0 mm	24.0 mm	0.79 mm	0.262
6063	38.0 mm	24.0 mm	0.92 mm	0.306
6063	38.0 mm	24.0 mm	1.05 mm	0.349
6063	38.0 mm	24.0 mm	1.18 mm	0.393
6063	38.0 mm	24.0 mm	1.32 mm	0.437
6063	38.0 mm	24.0 mm	1.45 mm	0.481
6063	38.0 mm	24.0 mm	1.58 mm	0.524
6063	38.0 mm	24.0 mm	1.71 mm	0.568
6063	38.0 mm	24.0 mm	1.85 mm	0.612
6063	38.0 mm	24.0 mm	1.98 mm	0.656
6063	38.0 mm	24.0 mm	2.11 mm	0.700
6063	38.0 mm	24.0 mm	2.24 mm	0.743
6063	38.0 mm	24.0 mm	2.37 mm	0.787
6063	38.0 mm	24.0 mm	2.51 mm	0.831

Standard Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

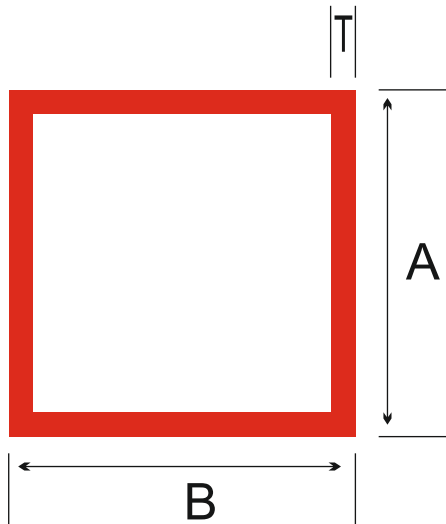
RECTANGULAR TUBE



Die No	Rectangular Tube		Thickness (T) (in mm)	Weight (Kg/Meter)
	"A" (in mm)	"B" (in mm)		
6064	100.0 mm	25.0 mm	1.10 mm	0.719
6064	100.0 mm	25.0 mm	1.24 mm	0.813
6065	125.0 mm	25.0 mm	1.53 mm	1.213
6065	125.0 mm	25.0 mm	1.10 mm	0.870
6066	72.0 mm	24.0 mm	1.26 mm	0.629
6083	75.2 mm	50.1 mm	3.75 mm	2.401
6088	125.0 mm	38.0 mm	1.83 mm	1.525
6089	36.0 mm	18.0 mm	1.51 mm	0.419

Standard Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

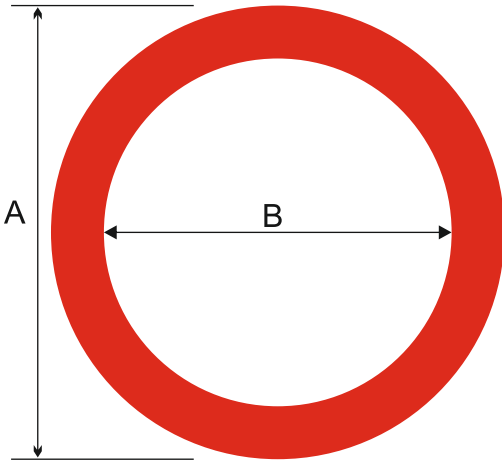
SQUARE TUBE


Die No	"A & B" (in mm)	Thickness (T) (in mm)	Weight (Kg/Meter)
6281	25.3 mm	1.75 mm	0.410
6281	25.4 mm	1.65 mm	0.422
6300	21.0 mm	0.49 mm	0.109
6300	21.0 mm	0.73 mm	0.164
6300	21.0 mm	0.99 mm	0.220
6300	21.0 mm	1.22 mm	0.273
6300	21.0 mm	1.47 mm	0.327
6300	21.0 mm	1.71 mm	0.382
6301	18.0 mm	0.57 mm	0.109
6301	18.0 mm	0.86 mm	0.164
6301	18.0 mm	1.16 mm	0.220
6301	18.0 mm	1.44 mm	0.273
6301	18.0 mm	1.72 mm	0.327
6301	18.0 mm	2.02 mm	0.382
6301	20.0 mm	2.11 mm	0.400
6305	34.0 mm	3.30 mm	1.104
6306	42.0 mm	3.40 mm	1.454
6348	75.0 mm	3.60 mm	2.729
6351	38.0 mm	0.81 mm	0.349
6351	38.0 mm	0.98 mm	0.393
6351	38.0 mm	1.02 mm	0.437
6351	38.0 mm	1.12 mm	0.481
6351	38.0 mm	1.22 mm	0.524
6351	38.0 mm	1.32 mm	0.568
6351	38.0 mm	1.43 mm	0.612
6351	38.0 mm	1.53 mm	0.656
6351	38.0 mm	1.63 mm	0.700
6351	38.0 mm	1.74 mm	0.743
6351	38.0 mm	1.80 mm	0.787
6351	38.0 mm	1.90 mm	0.831
6351	38.0 mm	2.00 mm	0.874
6351	38.0 mm	2.10 mm	0.918
6351	38.0 mm	2.20 mm	0.962
6351	38.0 mm	2.30 mm	1.006
6351	38.0 mm	2.40 mm	1.049
6351	38.0 mm	2.50 mm	1.093
6352	48.0 mm	1.86 mm	0.933
6352	48.0 mm	1.71 mm	0.859
6354	12.0 mm	0.62 mm	0.071
6354	12.0 mm	0.89 mm	0.101

Standard Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

ROUND TUBE



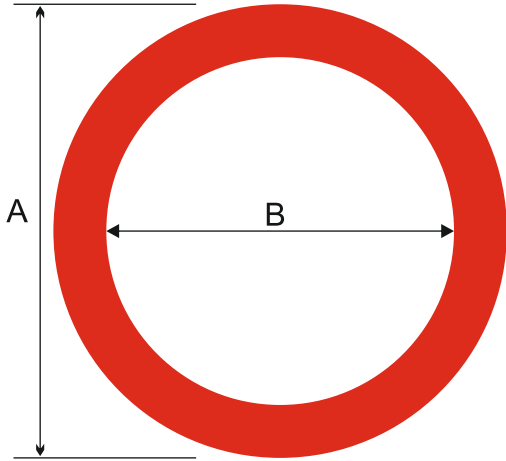
Die No	OD (Outer Dia) "A" (in mm)	ID (Internal dia) "B" (in mm)	Weight (Kg/Meter)
6101	9.00 mm	8.20 mm	0.040
6102	10.00 mm	9.00 mm	0.038
6103	9.00 mm	8.00 mm	0.043
6110/2	18.00 mm	16.60 mm	0.101
6110/1	17.85 mm	16.10 mm	0.120
6111	25.40 mm	1.63 mm	0.331
6111/2	28.00 mm	23.95 mm	0.430
6111/3	25.40 mm	20.30 mm	0.492
6111/4	25.80 mm	21.60 mm	0.400
6111/5	34.25 mm	24.56 mm	1.196
6111/6	25.40 mm	22.67 mm	0.271
6111/9	27.20 mm	19.10 mm	0.785
6111/10	25.00 mm	20.80 mm	0.373
6115/4	28.00 mm	27.55 mm	0.150
6121	38.10 mm	3.25 mm	0.969
6121/1	40.00 mm	34.90 mm	0.789
6121/2	40.25 mm	35.26 mm	0.806
6121/4	39.90 mm	35.15 mm	0.748
6124	22.20 mm	1.22 mm	0.219
6124/1	22.00 mm	19.50 mm	0.216
6125/1	20.00 mm	17.10 mm	0.192
6125/2	19.55 mm	17.76 mm	0.344
6126/1	28.85 mm	18.60 mm	0.482
6126/2	28.95 mm	22.10 mm	0.732
6126/3	28.00 mm	25.05 mm	0.327
6126/4A	28.45 mm	22.18 mm	0.662
6127/1	31.25 mm	24.00 mm	0.838
6127/2	32.30 mm	21.95 mm	1.165
6127/3	32.00 mm	27.06 mm	0.622
6127/4	32.00 mm	25.05 mm	0.845
6127/5	31.75 mm	26.55 mm	0.651
6128/1	21.98 mm	13.57 mm	0.622
6129/1	46.40 mm	35.55 mm	1.830
6130	17.30 mm	12.95 mm	0.267
6132	15.80 mm	1.22 mm	0.152
6132/3	12.96 mm	10.50 mm	0.115
6134/1	69.55 mm	64.44 mm	1.400
6135/1	31.80 mm	26.80 mm	0.651
6136	50.80 mm	1.63 mm	0.685
6136/1	44.92 mm	45.00 mm	1.005
6137/1	62.90 mm	57.60 mm	1.284
6138/1	75.15 mm	69.10 mm	1.842
6139/1	24.00 mm	16.87 mm	0.613
6140/1	24.05 mm	18.40 mm	0.516
6112/2	17.70 mm	16.80 mm	0.065

ROUND TUBE

All dimensions are in mm.

Standard Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

ROUND TUBE


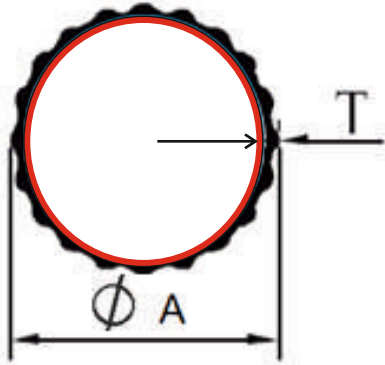
Die No	OD (Outer Dia) "A" (in mm)	ID (Internal dia) "B" (in mm)	Weight (Kg/Meter)
6113	17.98 mm	16.89 mm	0.080
6115/3	23.85 mm	20.00 mm	0.357
6122	28.80 mm	28.10 mm	0.108
6126	21.50 mm	16.60 mm	0.395
6131	28.40 mm	24.64 mm	0.422
6141/1	16.40 mm	11.62 mm	0.283
6142/1	30.45 mm	21.90 mm	0.954
6143/1	44.40 mm	32.60 mm	1.954
6144/1	41.10 mm	30.24 mm	1.603
6145/1	57.20 mm	43.70 mm	2.790
6146/2	10.90 mm	8.20 mm	0.110
6148/1	9.95 mm	7.20 mm	0.103
6149/1	18.80 mm	15.85 mm	0.218
6150/1	16.00 mm	11.66 mm	0.236
6151/1	37.60 mm	29.10 mm	1.166
6112/3	34.25 mm	25.12 mm	1.147

ROUND TUBE
All dimensions are in mm.

Standard Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

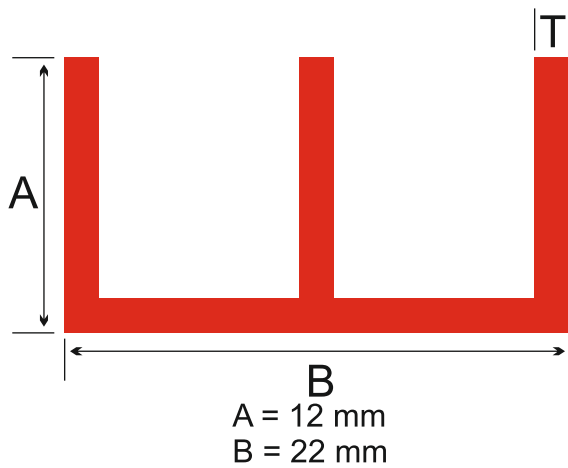
FLUTED ROUND TUBE



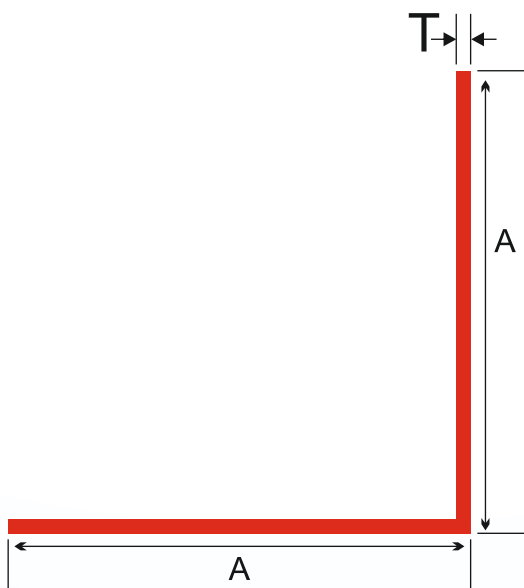
Die No	"A" (in mm)	Thickness (T) (in mm)	Weight (Kg/Meter)
6112	18 mm	1.75 mm	0.256
6112	18 mm	0.50 mm	0.073
6112	18 mm	0.54 mm	0.079
6113	25 mm	1.50 mm	0.330

Standard Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

DOUBLE GLASS CHANNEL


Die No	Double Glass Channel		Thickness (T) (in mm)	Weight (Kg/Meter)
	"A" (in mm)	"B" (in mm)		
6511	12.00 mm	22.00 mm	0.53 mm	0.081
6511	12.00 mm	22.00 mm	0.62 mm	0.095
6511	12.00 mm	22.00 mm	0.75 mm	0.109
6511	12.00 mm	22.00 mm	0.78 mm	0.114
6511	12.00 mm	22.00 mm	0.82 mm	0.120
6511	12.00 mm	22.00 mm	0.96 mm	0.139
6511	12.00 mm	22.00 mm	1.20 mm	0.173

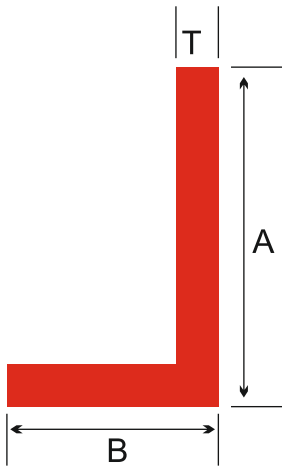
EQUAL ANGLES


Die No	Equal Angles "A" (in mm)	Thickness (T) (in mm)	Weight (Kg/Meter)
8018	50.8 mm	1.58 mm	0.391
8019	50.8 mm	3.17 mm	0.813
42515	21.00 mm	2.00 mm	0.215
7001/1	25.40 mm	3.20 mm	0.411
7001/2	25.40 mm	1.42 mm	0.189
7001/3	25.40 mm	1.04 mm	0.140
7001/4	25.40 mm	0.80 mm	0.108
7001	25.00 mm	1.27 mm	0.163
7003	38.00 mm	1.16 mm	0.232
7003	38.00 mm	1.47 mm	0.293
7003	38.00 mm	2.40 mm	0.478
7003	38.00 mm	3.97 mm	0.790
7004/1	50.00 mm	4.95 mm	1.270
7004/2	50.00 mm	6.00 mm	1.523
7004/3	50.80 mm	6.35 mm	1.740
6277	19.05 mm	3.17 mm	0.299
6277/2	19.00 mm	1.58 mm	0.162
7007	25.00 mm	3.00 mm	0.407
6395	17.5 mm	0.65 mm	0.060
6396	12.70 mm	1.58 mm	0.108
6397	31.70 mm	3.17 mm	0.543
8011	25.4 mm	1.58 mm	0.220
8014	38.1 mm	3.17 mm	0.632
8015	44.45 mm	3.17 mm	0.716

Standard Profile

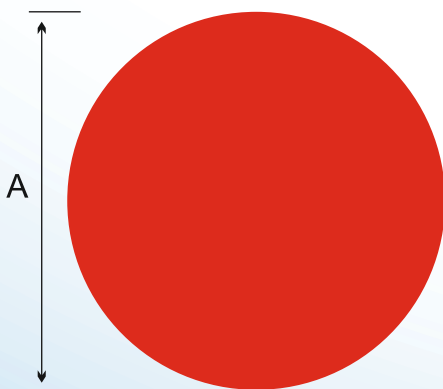
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

UNEQUAL ANGLE



Die No	Unequal Angles		Thickness (T) (in mm)	Weight (Kg/Meter)
	"A" (in mm)	"B" (in mm)		
8017	50.8 mm	25.4 mm	3.17 mm	0.614
8020	76.2 mm	25.4 mm	3.17 mm	0.803
8021	76.2 mm	50.8 mm	3.17 mm	1.010
8022	101.6 mm	50.8 mm	3.17 mm	1.248
7002/1	38.00 mm	25.40 mm	3.37 mm	0.546
7002/2	38.00 mm	25.40 mm	3.30 mm	0.535
7002/3	38.00 mm	25.40 mm	3.04 mm	0.495
7002/4	38.00 mm	25.40 mm	4.71 mm	0.765
8012	31.75 mm	25.4 mm	3.17 mm	0.454
7002/6	38.00 mm	25.40 mm	2.30 mm	0.379
8016	50.8 mm	19.05 mm	3.17 mm	0.553
7002/8	38.00 mm	25.40 mm	2.43 mm	0.400
7005/1	18.00 mm	15.00 mm	1.35 mm	0.115
7006/1	25.40 mm	12.70 mm	1.60 mm	0.158
7068	16.80 mm	10.80 mm	0.82 mm	0.059
9021	25.00 mm	19.00 mm	3.20 mm	0.353
6356	25.00 mm	19.00 mm	2.00 mm	0.227
8031	101.6 mm	76.20 mm	6.35 mm	3.300
8012	31.70 mm	19.00 mm	3.17 mm	0.433
6398	38.00 mm	12.70 mm	3.17 mm	0.543
6399	50.80 mm	38.10 mm	3.17 mm	0.760
8035	101.60 mm	25.40 mm	3.17 mm	1.086
8036	101.60 mm	50.80 mm	6.35 mm	2.612

ROUND BAR



Die No	Solid Round Bar "A" (in mm)	Weight (Kg/Meter)
7031	8.30 mm	0.147
7032	10.80 mm	0.250
7033	13.00 mm	0.362
7034	16.00 mm	0.548
7035	28.00 mm	1.685
7036	24.00 mm	1.233
7037	20.00 mm	0.850
7038	27.00 mm	1.560
8151	35.00 mm	2.622
7027	9.95 mm	0.191
7028	19.00 mm	0.773

Standard Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

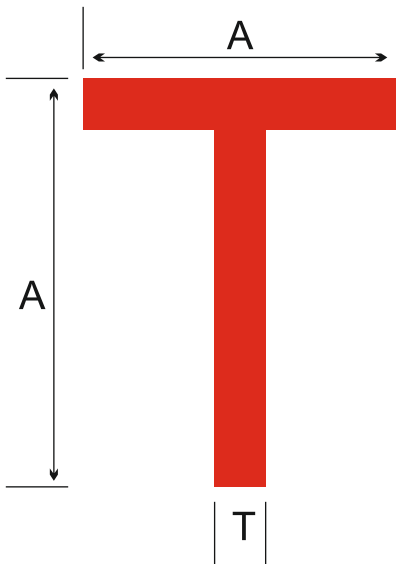
FLAT BAR


Die No	Flat Bars "A" (in mm)	Thickness (T) (in mm)	Weight (Kg/Meter)
8027	38.1 mm	9.52 mm	0.965
8028	50.8 mm	3.17 mm	0.417
6280	25.40 mm	1.58 mm	0.108
6279	25.40 mm	3.17 mm	0.217
6278	28.57 mm	3.17 mm	0.245
7101/1	100.00 mm	10.00 mm	2.700
7101/2	60.00 mm	15.00 mm	2.430
7101/3	75.00 mm	10.00 mm	2.040
7101/4	100.00 mm	6.00 mm	1.755
7101/5	18.00 mm	3.00 mm	0.146
7101/6	50.00 mm	10.00 mm	1.362
7107/7	64.00 mm	12.00 mm	2.131
7101/8	51.00 mm	13.00 mm	1.790
7101/9	25.00 mm	15.00 mm	1.013
7101/10	77.00 mm	12.00 mm	2.692
7101/11	25.00 mm	6.00 mm	0.430
7101/12	50.00 mm	6.00 mm	0.905
7101/13	71.00 mm	12.00 mm	2.300
7101/14	38.00 mm	6.00 mm	0.661
7101/15	38.00 mm	10.00 mm	1.071
7101/16	100.00 mm	12.00 mm	3.314
7101/17	75.00 mm	6.00 mm	1.215
7101/18	19.00 mm	6.00 mm	0.308
7101/19	25.00 mm	10.00 mm	0.718
7101/20	60.00 mm	10.00 mm	1.620
7101/21	60.00 mm	6.00 mm	0.972
7101/22	12.00 mm	5.00 mm	0.218
7101/23	150.00 mm	6.00 mm	2.471
7101/24	150.00 mm	10.00 mm	4.139
7101/25	150.00 mm	12.00 mm	4.885
7101/26	125.00 mm	12.00 mm	4.057
7101/27	125.00 mm	10.00 mm	3.375
7101/28	125.00 mm	6.00 mm	2.147
7101/29	15.00 mm	6.00 mm	0.243
7101/30	80.00 mm	12.00 mm	2.592
7101/31	80.00 mm	10.00 mm	2.160
7101/32	40.00 mm	12.00 mm	1.296
7101/33	30.00 mm	10.00 mm	0.810
7101/34	30.00 mm	12.00 mm	0.972
9011/2	16.00 mm	2.00 mm	0.086
7101/35	50.00 mm	5.00 mm	0.680
7101/36	30.00 mm	6.00 mm	0.498
8029	101.4 mm	3.17 mm	0.817
8033	19.00 mm	3.17 mm	0.162
8034	63.50 mm	3.17 mm	0.543

Standard Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

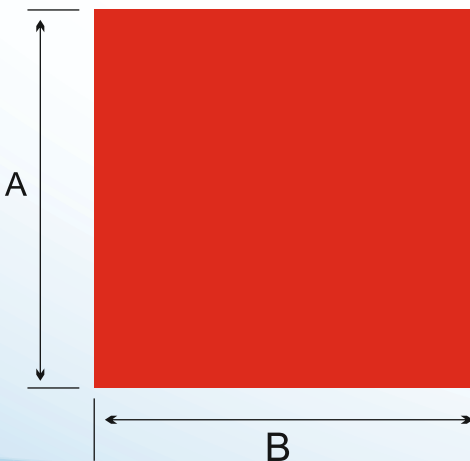
PLAIN TEE



Die No	Plain Tee "A" (in mm)	Thickness "T" (in mm)	Weight (Kg/Meter)
7012	18.00 mm	0.70 mm	0.067
7012	18.00 mm	0.82 mm	0.078
7012	18.00 mm	0.92 mm	0.087
7012	18.00 mm	1.01 mm	0.096
7012	18.00 mm	1.12 mm	0.114
7012	18.00 mm	1.20 mm	0.120
7012	18.00 mm	1.25 mm	0.125

SQUARE BAR

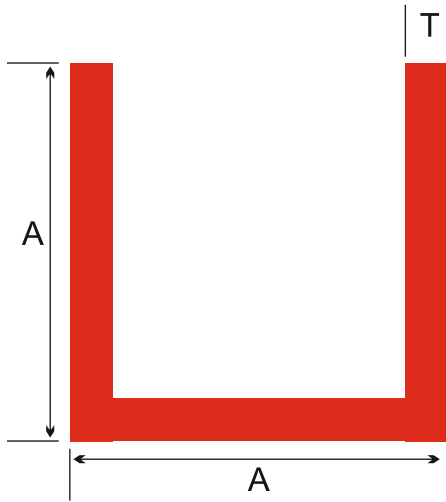
Die No	"A" & "B" (in mm)	Weight (Kg/Meter)
7039	30 mm	2.730



All dimensions are in mm.

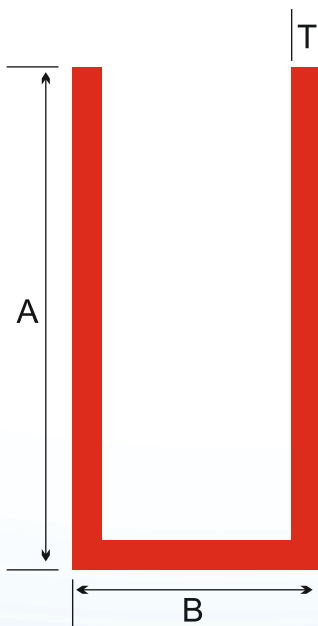
Standard Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres



Die No	U Channel OD "A" (in mm)	Thickness "T" (in mm)	Weight (Kg/Meter)
6502	12.00 mm	0.53 mm	0.067
6502	12.00 mm	0.55 mm	0.070
6502	12.00 mm	0.65 mm	0.082
6502	12.00 mm	0.83 mm	0.105
6501	9.00 mm	0.8 mm	0.049
6503	15.00 mm	1.00 mm	0.081
8023	25.4 mm	3.17 mm	0.588
8025	31.75 mm	3.17 mm	0.720
8026	38.1 mm	3.17 mm	0.900
8032	19.00 mm	3.17 mm	0.325

U CHANNEL EQUAL



Die No	U Channel Unequal		Thickness (T) (in mm)	Weight (Kg/Meter)
	"A" (in mm)	"B" (in mm)		
8024	50.8 mm	25.4 mm	3.17 mm	1.026
6252	12.4 mm	22.0 mm	1.00 mm	0.110
8030	38.00 mm	19.00 mm	3.17 mm	0.487

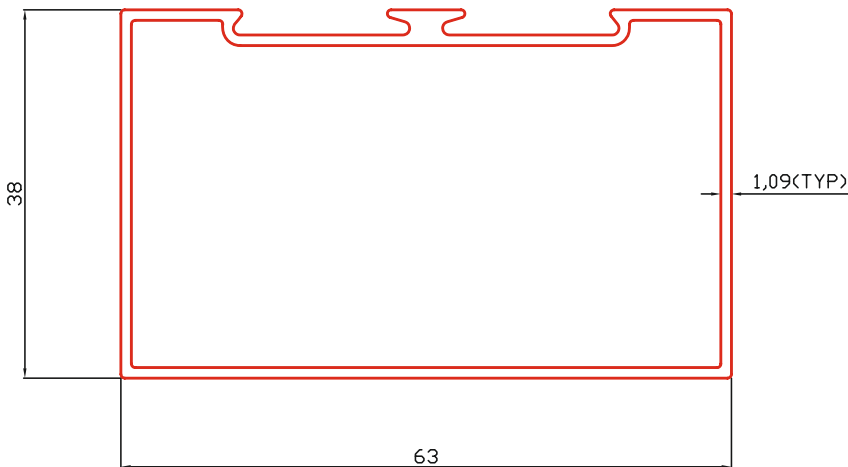
U CHANNEL UNEQUAL

All dimensions are in mm.

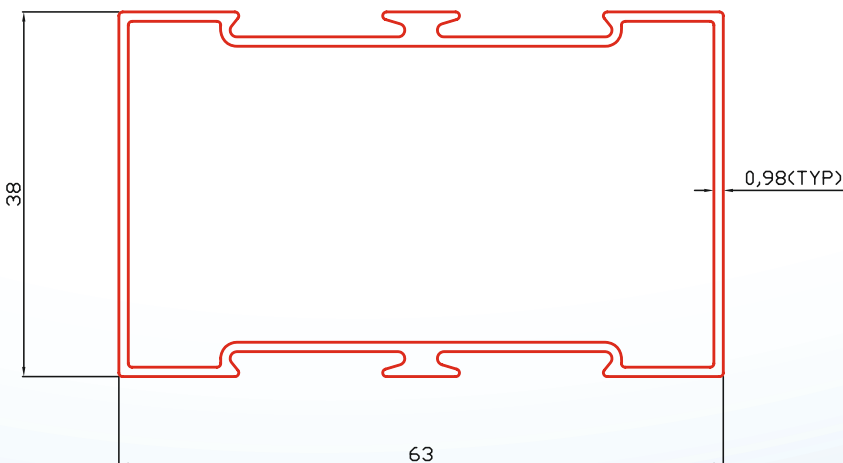
*Architectural
Profile*

Door And Window Partition

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6001


Die No	Description	Weight (Kg/Meter)
6001	2.5" x 1.5" Single	0.480
6001	2.5" x 1.5" Single	0.568
6001	2.5" x 1.5" Single	0.612
6001	2.5" x 1.5" Single	0.656
6001	2.5" x 1.5" Single	0.700
6001	2.5" x 1.5" Single	0.743
6001	2.5" x 1.5" Single	0.787
6001	2.5" x 1.5" Single	0.831
6001	2.5" x 1.5" Single	0.874
6001	2.5" x 1.5" Single	0.918
6001	2.5" x 1.5" Single	0.962
6001	2.5" x 1.5" Single	1.006
6001	2.5" x 1.5" Single	1.049
6001	2.5" x 1.5" Single	1.093
6001	2.5" x 1.5" Single	1.137
6001	2.5" x 1.5" Single	1.312
6001	2.5" x 1.5" Single	1.356
6001	2.5" x 1.5" Single	1.487
6001	2.5" x 1.5" Single	1.531
6001	2.5" x 1.5" Single	1.574

2.5" x 1.5" SINGLE
6002


Die No	Description	Weight (Kg/Meter)
6002	2.5" x 1.5" Double	0.480
6002	2.5" x 1.5" Double	0.568
6002	2.5" x 1.5" Double	0.612
6002	2.5" x 1.5" Double	0.656
6002	2.5" x 1.5" Double	0.700
6002	2.5" x 1.5" Double	0.743
6002	2.5" x 1.5" Double	0.787
6002	2.5" x 1.5" Double	0.831
6002	2.5" x 1.5" Double	0.874
6002	2.5" x 1.5" Double	0.918
6002	2.5" x 1.5" Double	0.962
6002	2.5" x 1.5" Double	1.006
6002	2.5" x 1.5" Double	1.049
6002	2.5" x 1.5" Double	1.093
6002	2.5" x 1.5" Double	1.137
6002	2.5" x 1.5" Double	1.312
6002	2.5" x 1.5" Double	1.356
6002	2.5" x 1.5" Double	1.487
6002	2.5" x 1.5" Double	1.531
6002	2.5" x 1.5" Double	1.574

2.5" x 1.5" DOUBLE

Door And Window Partition

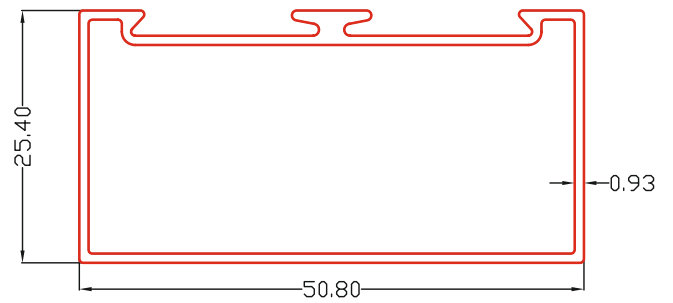
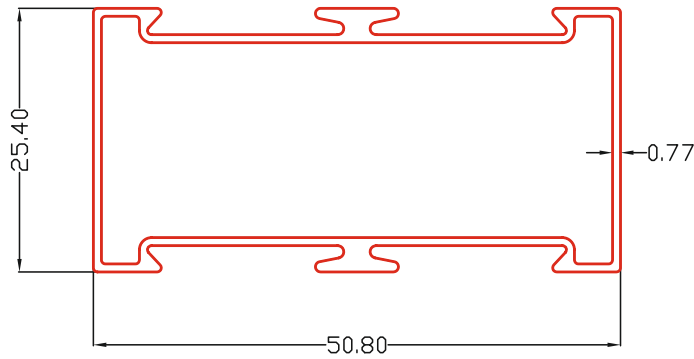
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6003

0.419 kg/m

6004

0.481 kg/m

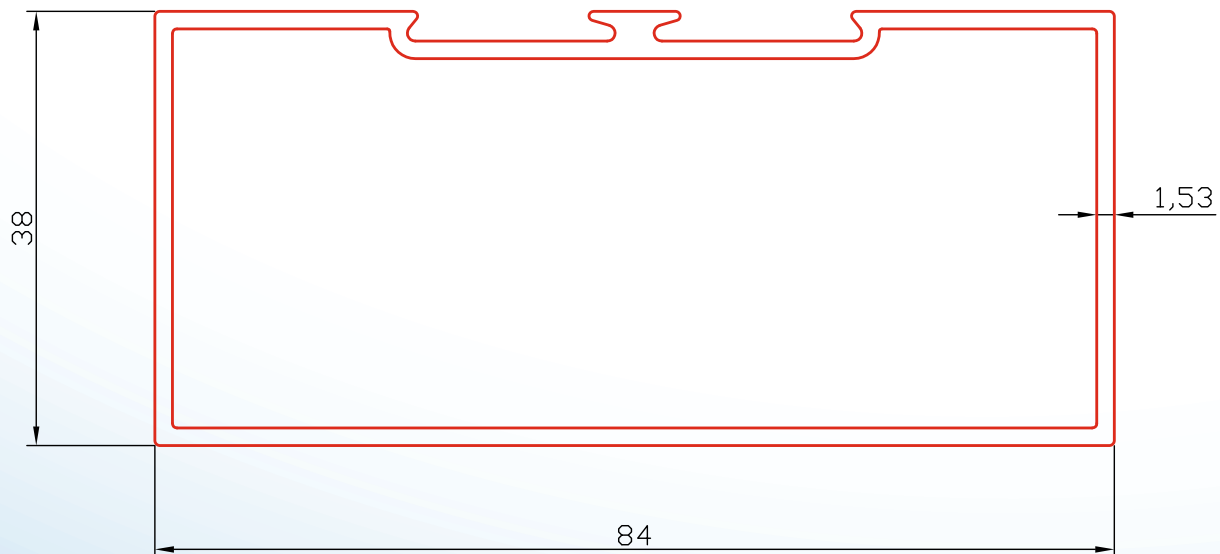


2" x 1" DOUBLE

2" x 1" SINGLE

6005

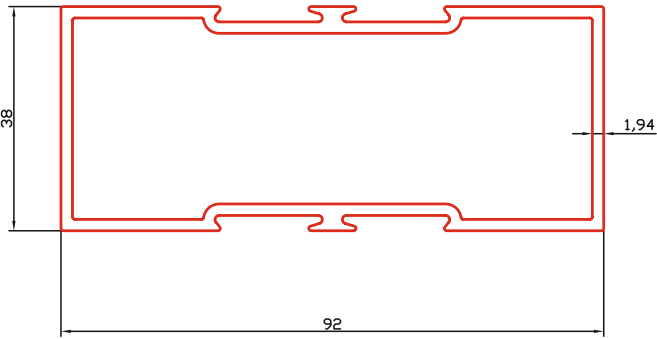
1.147 kg/m



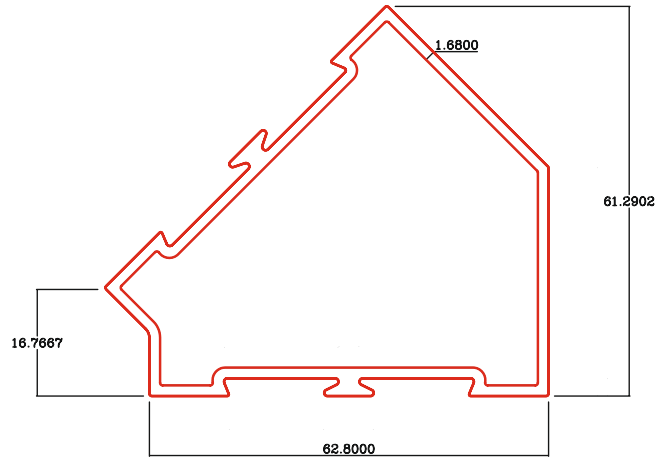
2.5" x 1.5" DOUBLE

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6007
1.443 kg/m
6008

3.75" x 1.5" DOUBLE

Die No	Description	Weight (Kg/Meter)
6008	Three side partition	1.084
6008	Three side partition	0.925


THREE SIDE PARTITION
6011

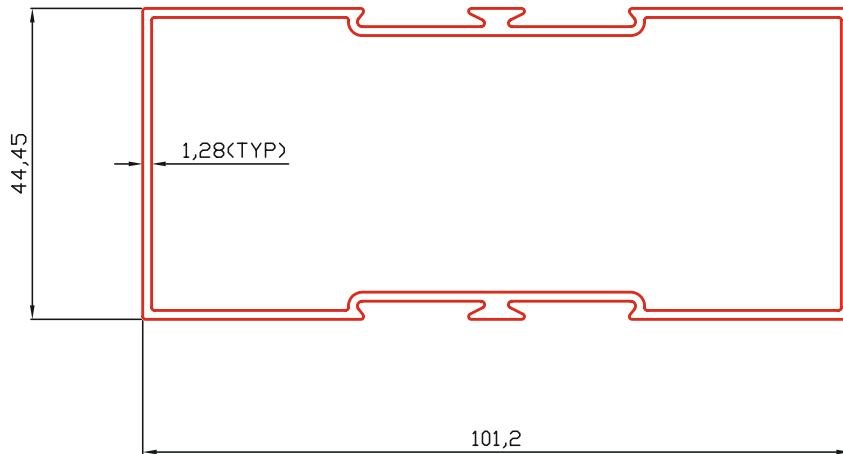

Die No	Description	Weight (Kg/Meter)
6011	4" x 1.75" Single	0.918
6011	4" x 1.75" Single	1.049
6011	4" x 1.75" Single	1.137
6011	4" x 1.75" Single	1.312
6011	4" x 1.75" Single	1.487
6011	4" x 1.75" Single	1.531
6011	4" x 1.75" Single	1.574
6011	4" x 1.75" Single	1.968
6011	4" x 1.75" Single	2.077
6011	4" x 1.75" Single	2.187
6011	4" x 1.75" Single	2.296
6011	4" x 1.75" Single	2.405

4" x 1.75" SINGLE

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6012

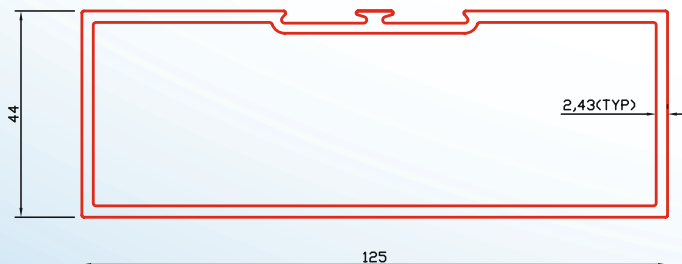


Die No	Description	Weight (Kg/Meter)
6012	4" x 1.75" Double	0.918
6012	4" x 1.75" Double	1.049
6012	4" x 1.75" Double	1.137
6012	4" x 1.75" Double	1.312
6012	4" x 1.75" Double	1.487
6012	4" x 1.75" Double	1.531
6012	4" x 1.75" Double	1.574
6012	4" x 1.75" Double	1.968
6012	4" x 1.75" Double	2.077
6012	4" x 1.75" Double	2.187
6012	4" x 1.75" Double	2.296
6012	4" x 1.75" Double	2.405

4" x 1.75" DOUBLE

6013

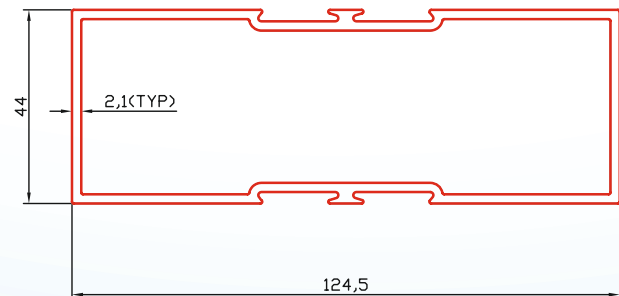
Die No	Description	Weight (Kg/Meter)
6013	5" x 1.75" Single	2.545
6013	5" x 1.75" Single	2.187
6013	5" x 1.75" Single	1.998
6013	5" x 1.75" Single	1.377



5" x 1.75" SINGLE

6014

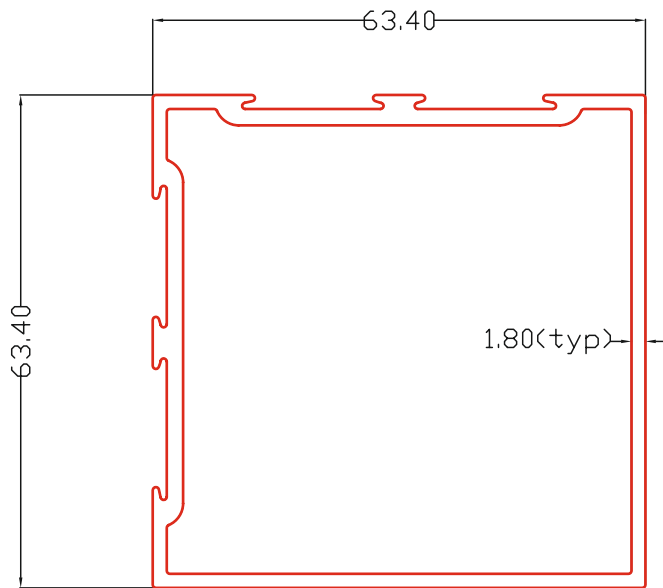
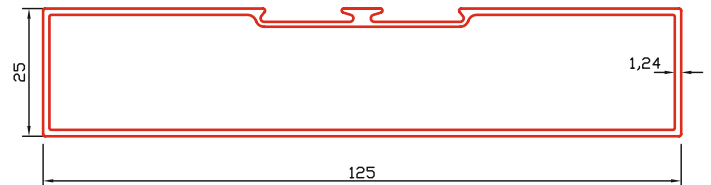
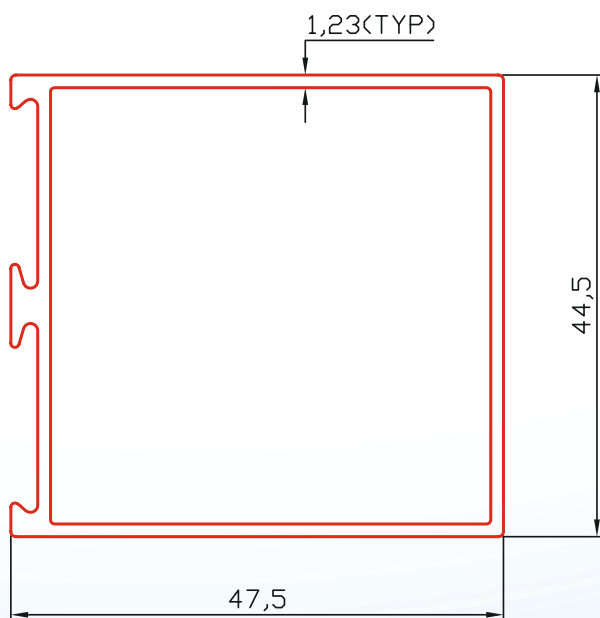
Die No	Description	Weight (Kg/Meter)
6014	5" x 1.75" Double	2.484
6014	5" x 1.75" Double	2.135
6014	5" x 1.75" Double	1.883



5" x 1.75" DOUBLE

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

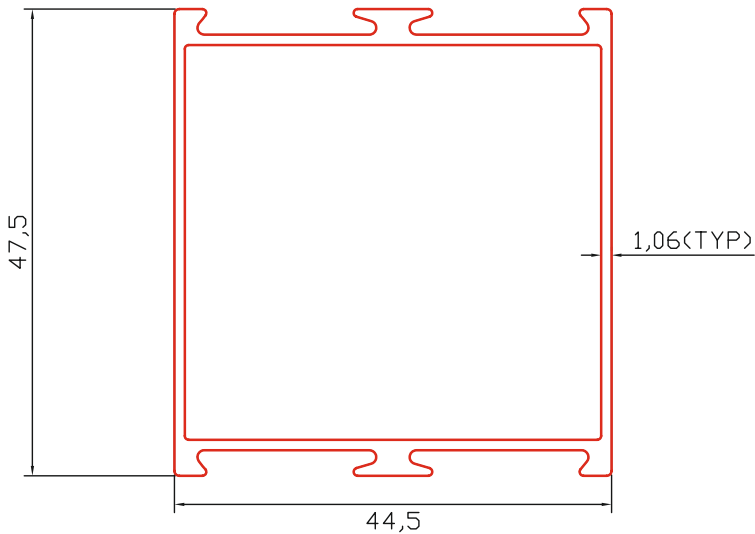
6016
1.303 kg/m

2.5" x 2.5" CORNER
6018
1.008 kg/m

5" x 1" SINGLE
6021

1.75" x 1.75" SINGLE

Die No	Description	Weight (Kg/Meter)
6021	1.75" x 1.75" Single	0.480
6021	1.75" x 1.75" Single	0.568
6021	1.75" x 1.75" Single	0.612
6021	1.75" x 1.75" Single	0.656
6021	1.75" x 1.75" Single	0.700
6021	1.75" x 1.75" Single	0.743
6021	1.75" x 1.75" Single	0.787
6021	1.75" x 1.75" Single	0.831
6021	1.75" x 1.75" Single	0.874
6021	1.75" x 1.75" Single	0.918
6021	1.75" x 1.75" Single	0.962
6021	1.75" x 1.75" Single	1.006
6021	1.75" x 1.75" Single	1.049
6021	1.75" x 1.75" Single	1.093
6021	1.75" x 1.75" Single	1.137
6021	1.75" x 1.75" Single	1.312
6021	1.75" x 1.75" Single	1.356
6021	1.75" x 1.75" Single	1.487
6021	1.75" x 1.75" Single	1.531
6021	1.75" x 1.75" Single	1.574

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6022

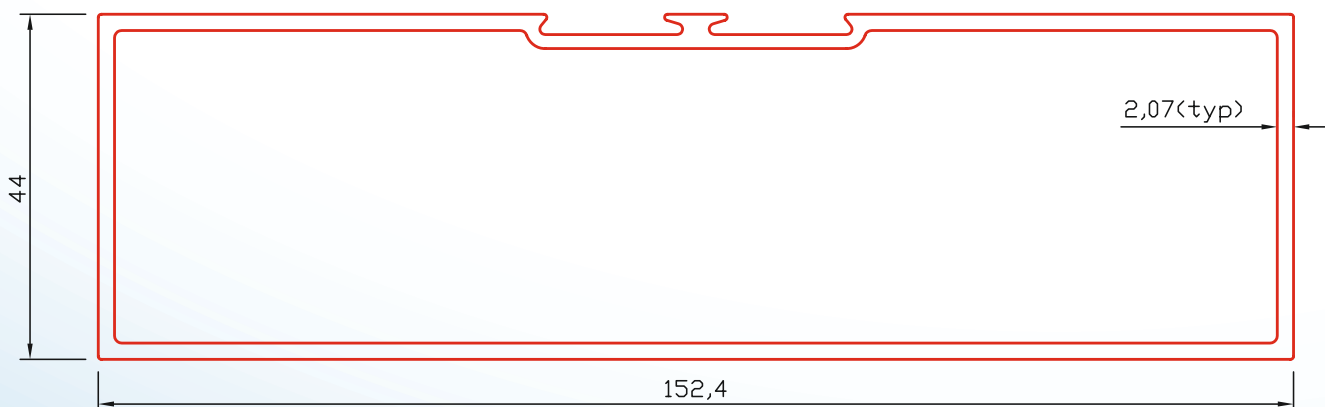


Die No	Description	Weight (Kg/Meter)
6022	1.75" x 1.75" Double	0.480
6022	1.75" x 1.75" Double	0.568
6022	1.75" x 1.75" Double	0.612
6022	1.75" x 1.75" Double	0.656
6022	1.75" x 1.75" Double	0.700
6022	1.75" x 1.75" Double	0.743
6022	1.75" x 1.75" Double	0.787
6022	1.75" x 1.75" Double	0.831
6022	1.75" x 1.75" Double	0.874
6022	1.75" x 1.75" Double	0.918
6022	1.75" x 1.75" Double	0.962
6022	1.75" x 1.75" Double	1.006
6022	1.75" x 1.75" Double	1.049
6022	1.75" x 1.75" Double	1.093
6022	1.75" x 1.75" Double	1.137
6022	1.75" x 1.75" Double	1.312
6022	1.75" x 1.75" Double	1.356
6022	1.75" x 1.75" Double	1.487
6022	1.75" x 1.75" Double	1.531
6022	1.75" x 1.75" Double	1.574

1.75" x 1.75" DOUBLE

6023

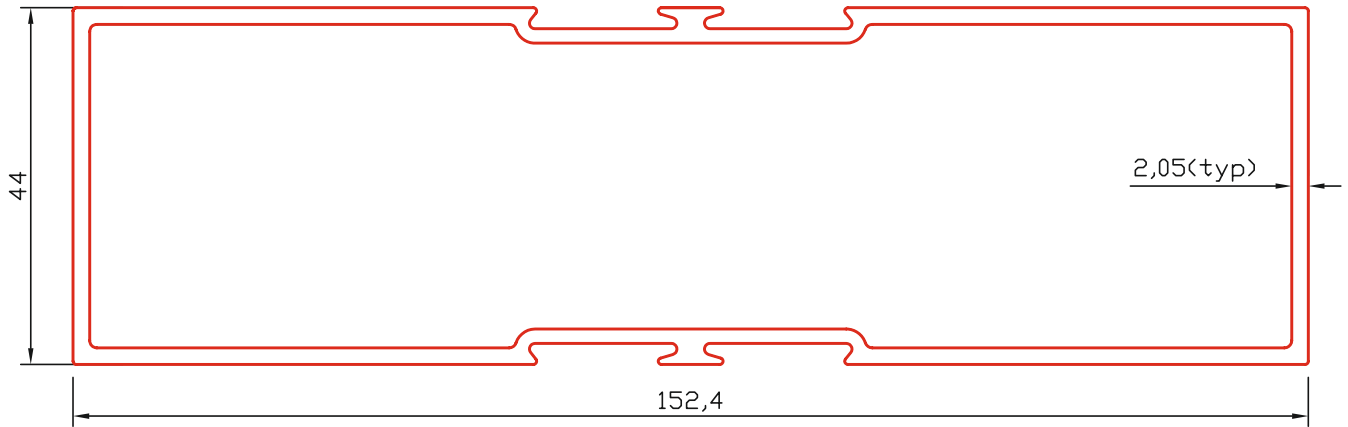
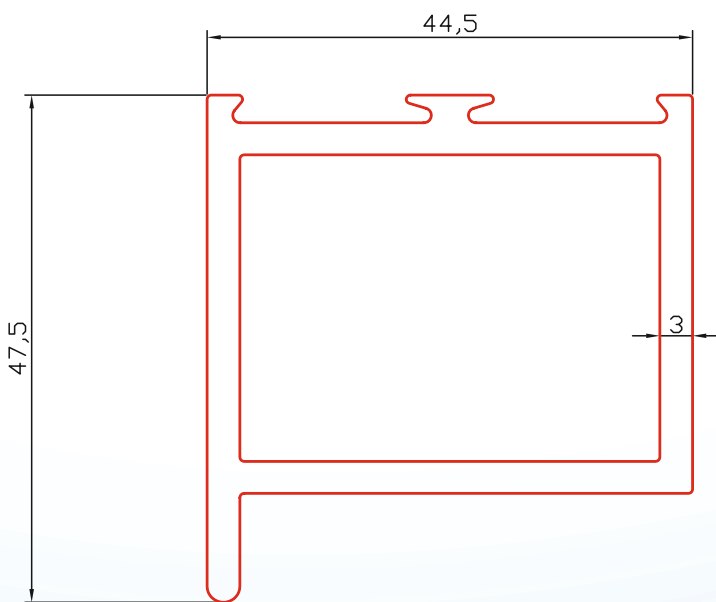
2.190 kg/m



6" x 1.75" SINGLE

Door And Window Partition

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6024
2.274 kg/m

6" x 1.75" DOUBLE
6030


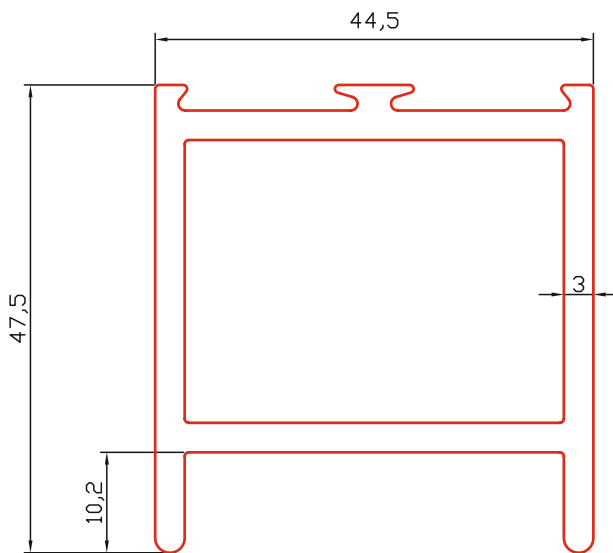
Die No	Description	Weight (Kg/Meter)
6030	1.75" x 1.75" Single Leg	1.804
6030	1.75" x 1.75" Single Leg	1.531
6030	1.75" x 1.75" Single Leg	1.290
6030	1.75" x 1.75" Single Leg	1.137
6030	1.75" x 1.75" Single Leg	1.093
6030	1.75" x 1.75" Single Leg	1.049
6030	1.75" x 1.75" Single Leg	0.984
6030	1.75" x 1.75" Single Leg	0.918
6030	1.75" x 1.75" Single Leg	0.874
6030	1.75" x 1.75" Single Leg	0.831
6030	1.75" x 1.75" Single Leg	0.787
6030	1.75" x 1.75" Single Leg	0.743
6030	1.75" x 1.75" Single Leg	0.656
6030	1.75" x 1.75" Single Leg	0.612

1.75" x 1.75" SINGLE LEG
All dimensions are in mm.

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

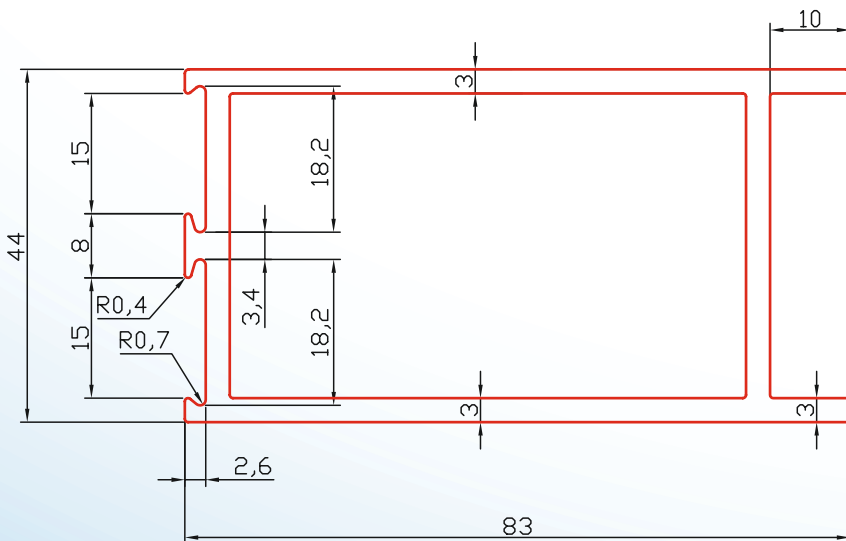
6031



Die No	Description	Weight (Kg/Meter)
6031	1.75" x 1.75" Bottom	1.804
6031	1.75" x 1.75" Bottom	1.531
6031	1.75" x 1.75" Bottom	1.290
6031	1.75" x 1.75" Bottom	1.137
6031	1.75" x 1.75" Bottom	1.093
6031	1.75" x 1.75" Bottom	1.049
6031	1.75" x 1.75" Bottom	0.984
6031	1.75" x 1.75" Bottom	0.918
6031	1.75" x 1.75" Bottom	0.874
6031	1.75" x 1.75" Bottom	0.831
6031	1.75" x 1.75" Bottom	0.787
6031	1.75" x 1.75" Bottom	0.743
6031	1.75" x 1.75" Bottom	0.656
6031	1.75" x 1.75" Bottom	0.612

1.75" x 1.75" BOTTOM

6032

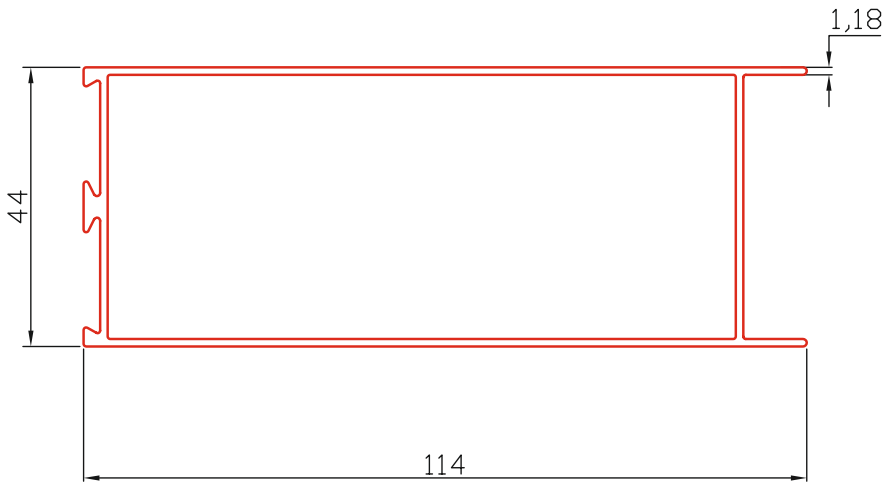


Die No	Description	Weight (Kg/Meter)
6032	3.25" x 1.75" Bottom	1.049
6032	3.25" x 1.75" Bottom	1.093
6032	3.25" x 1.75" Bottom	1.137
6032	3.25" x 1.75" Bottom	1.202
6032	3.25" x 1.75" Bottom	1.312
6032	3.25" x 1.75" Bottom	1.421
6032	3.25" x 1.75" Bottom	1.487
6032	3.25" x 1.75" Bottom	1.530
6032	3.25" x 1.75" Bottom	1.574
6032	3.25" x 1.75" Bottom	1.640
6032	3.25" x 1.75" Bottom	1.750
6032	3.25" x 1.75" Bottom	1.860
6032	3.25" x 1.75" Bottom	1.968
6032	3.25" x 1.75" Bottom	2.077
6032	3.25" x 1.75" Bottom	2.187
6032	3.25" x 1.75" Bottom	2.405

3.25" x 1.75" BOTTOM

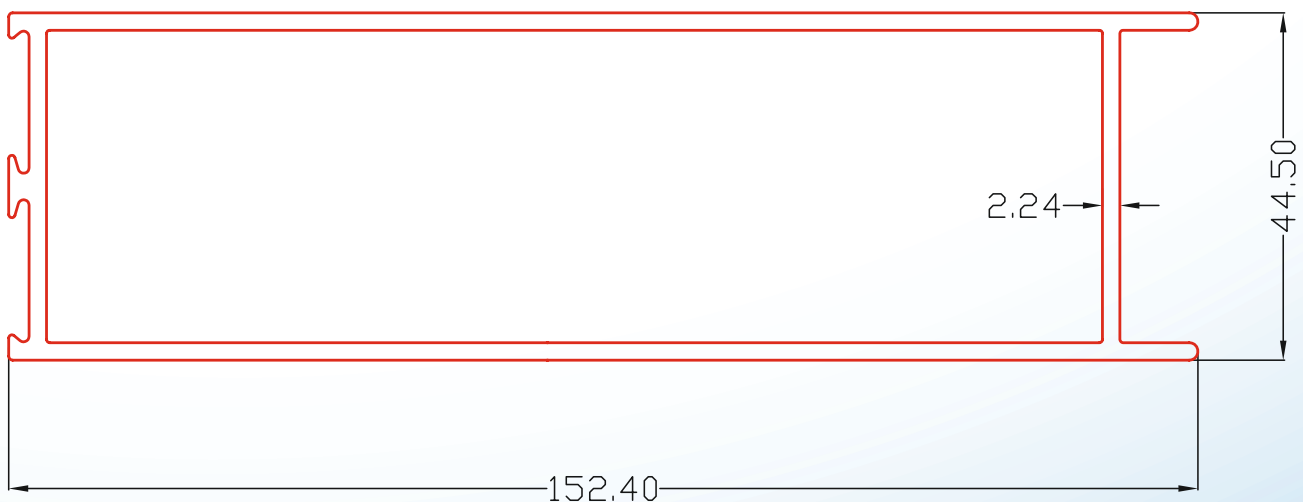
Door And Window Partition

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6033
1.049 kg/m


Die No	Description	Weight (Kg/Meter)
6033	4.5" x 1.75" Bottom	1.049
6033	4.5" x 1.75" Bottom	1.093
6033	4.5" x 1.75" Bottom	1.137
6033	4.5" x 1.75" Bottom	1.202
6033	4.5" x 1.75" Bottom	1.312
6033	4.5" x 1.75" Bottom	1.421
6033	4.5" x 1.75" Bottom	1.487
6033	4.5" x 1.75" Bottom	1.530
6033	4.5" x 1.75" Bottom	1.574
6033	4.5" x 1.75" Bottom	1.640
6033	4.5" x 1.75" Bottom	1.750
6033	4.5" x 1.75" Bottom	1.860
6033	4.5" x 1.75" Bottom	1.968
6033	4.5" x 1.75" Bottom	2.077
6033	4.5" x 1.75" Bottom	2.187
6033	4.5" x 1.75" Bottom	2.405

4.5" x 1.75" BOTTOM

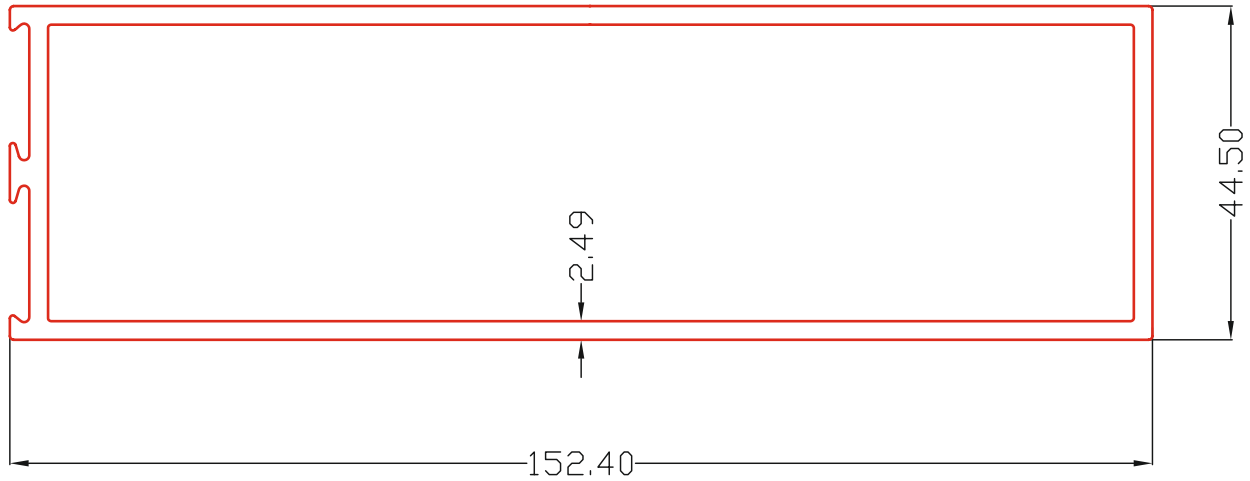
6034
2.364 kg/m


6" x 1.75" BOTTOM

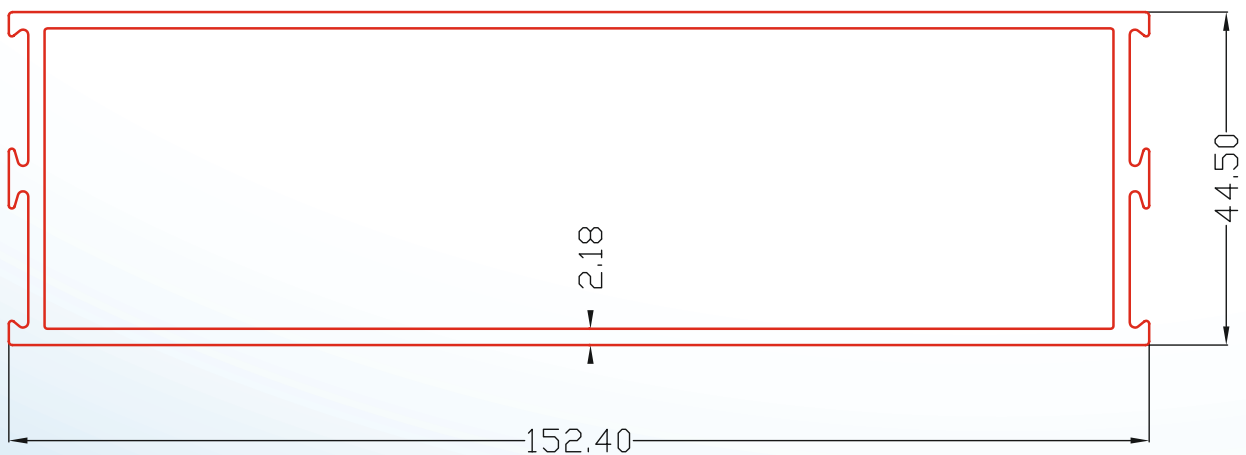
All dimensions are in mm.

Door And Window Partition

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6035
2.764 kg/m


6" x 1.75" SINGLE

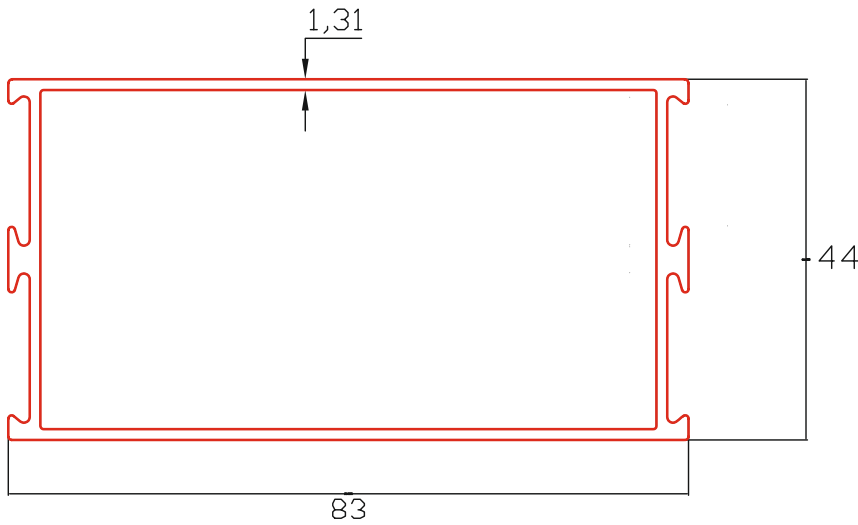
6036
2.450 kg/m


6" x 1.75" DOUBLE

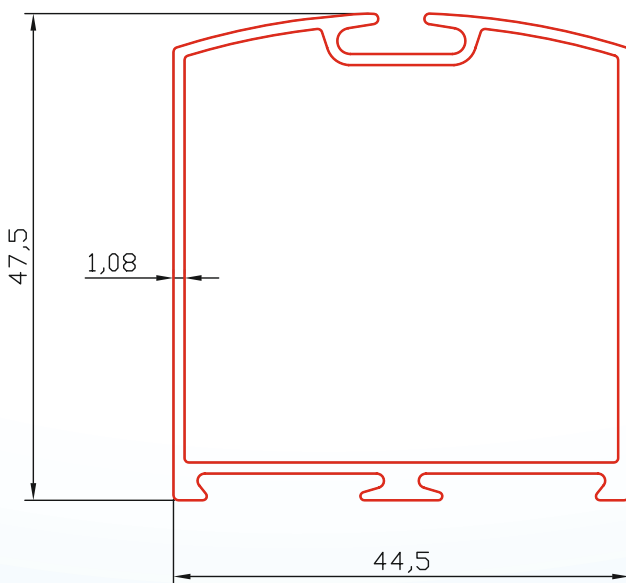
All dimensions are in mm.

Door And Window Partition

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6038
1.049 kg/m


Die No	Description	Weight (Kg/Meter)
6038	3.25" x 1.75" Double	1.049
6038	3.25" x 1.75" Double	1.093
6038	3.25" x 1.75" Double	1.137
6038	3.25" x 1.75" Double	1.202
6038	3.25" x 1.75" Double	1.312
6038	3.25" x 1.75" Double	1.421
6038	3.25" x 1.75" Double	1.487
6038	3.25" x 1.75" Double	1.530
6038	3.25" x 1.75" Double	1.574
6038	3.25" x 1.75" Double	1.640
6038	3.25" x 1.75" Double	1.750
6038	3.25" x 1.75" Double	1.860
6038	3.25" x 1.75" Double	1.968
6038	3.25" x 1.75" Double	2.077
6038	3.25" x 1.75" Double	2.187
6038	3.25" x 1.75" Double	2.405

3.25" x 1.75" DOUBLE
6041


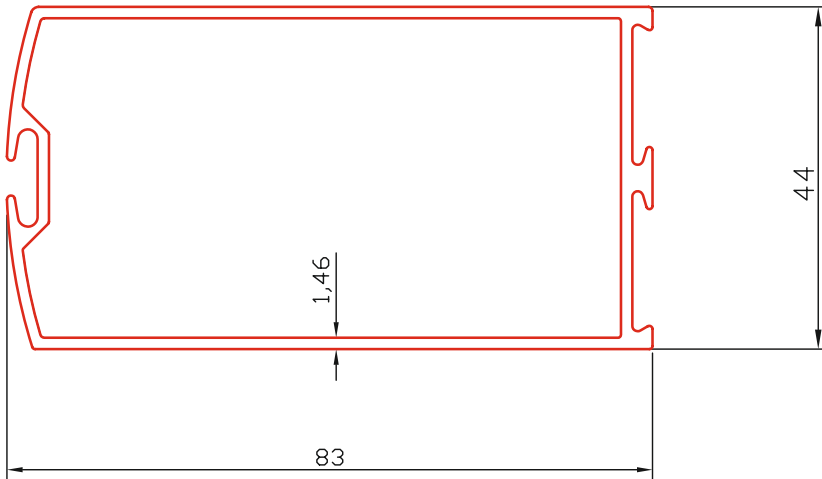
Die No	Description	Weight (Kg/Meter)
6041	1.75" x 1.75" Half Round	0.480
6041	1.75" x 1.75" Half Round	0.568
6041	1.75" x 1.75" Half Round	0.612
6041	1.75" x 1.75" Half Round	0.656
6041	1.75" x 1.75" Half Round	0.700
6041	1.75" x 1.75" Half Round	0.743
6041	1.75" x 1.75" Half Round	0.787
6041	1.75" x 1.75" Half Round	0.831
6041	1.75" x 1.75" Half Round	0.874
6041	1.75" x 1.75" Half Round	0.918
6041	1.75" x 1.75" Half Round	0.962
6041	1.75" x 1.75" Half Round	1.006
6041	1.75" x 1.75" Half Round	1.049
6041	1.75" x 1.75" Half Round	1.093
6041	1.75" x 1.75" Half Round	1.137
6041	1.75" x 1.75" Half Round	1.312
6041	1.75" x 1.75" Half Round	1.356
6041	1.75" x 1.75" Half Round	1.487
6041	1.75" x 1.75" Half Round	1.531
6041	1.75" x 1.75" Half Round	1.574

1.75" x 1.75" HALF ROUND

Door And Window Partition

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

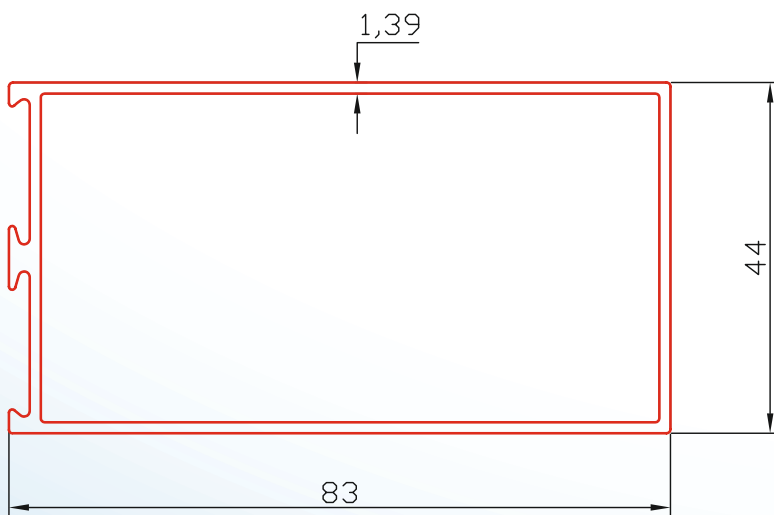
6042



Die No	Description	Weight (Kg/Meter)
6042	3.25" x 1.75" Half Round	1.049
6042	3.25" x 1.75" Half Round	1.093
6042	3.25" x 1.75" Half Round	1.137
6042	3.25" x 1.75" Half Round	1.202
6042	3.25" x 1.75" Half Round	1.312
6042	3.25" x 1.75" Half Round	1.421
6042	3.25" x 1.75" Half Round	1.487
6042	3.25" x 1.75" Half Round	1.530
6042	3.25" x 1.75" Half Round	1.574
6042	3.25" x 1.75" Half Round	1.640
6042	3.25" x 1.75" Half Round	1.750
6042	3.25" x 1.75" Half Round	1.860
6042	3.25" x 1.75" Half Round	1.968
6042	3.25" x 1.75" Half Round	2.077
6042	3.25" x 1.75" Half Round	2.187
6042	3.25" x 1.75" Half Round	2.405

3.25" x 1.75" HALF ROUND

6046



Die No	Description	Weight (Kg/Meter)
6046	3.25" x 1.75" Single	1.049
6046	3.25" x 1.75" Single	1.093
6046	3.25" x 1.75" Single	1.137
6046	3.25" x 1.75" Single	1.202
6046	3.25" x 1.75" Single	1.312
6046	3.25" x 1.75" Single	1.421
6046	3.25" x 1.75" Single	1.487
6046	3.25" x 1.75" Single	1.530
6046	3.25" x 1.75" Single	1.574
6046	3.25" x 1.75" Single	1.640
6046	3.25" x 1.75" Single	1.750
6046	3.25" x 1.75" Single	1.860
6046	3.25" x 1.75" Single	1.968
6046	3.25" x 1.75" Single	2.077
6046	3.25" x 1.75" Single	2.187
6046	3.25" x 1.75" Single	2.405

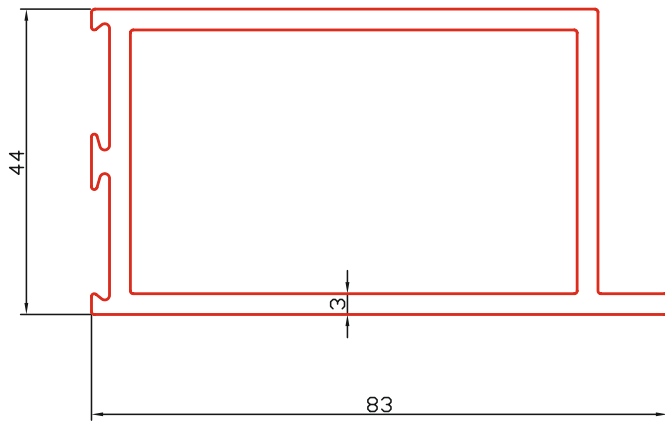
3.25" x 1.75" SINGLE

Door And Window Partition

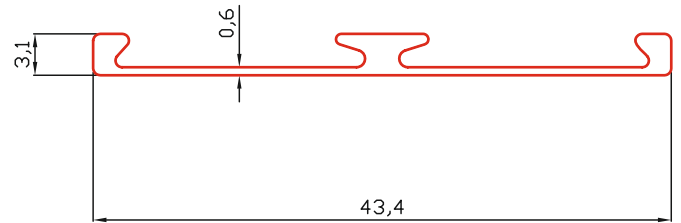
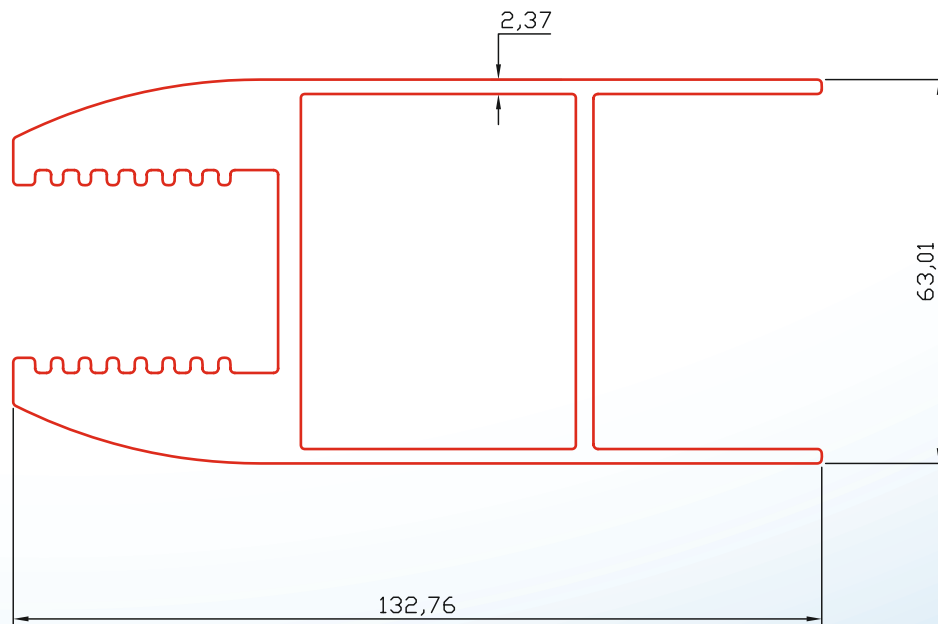
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6047

Die No	Description	Weight (Kg/Meter)
6047	3.25" x 1.75" Single Leg	1.093
6047	3.25" x 1.75" Single Leg	1.724


3.25" x 1.75" SINGLE LEG
6091

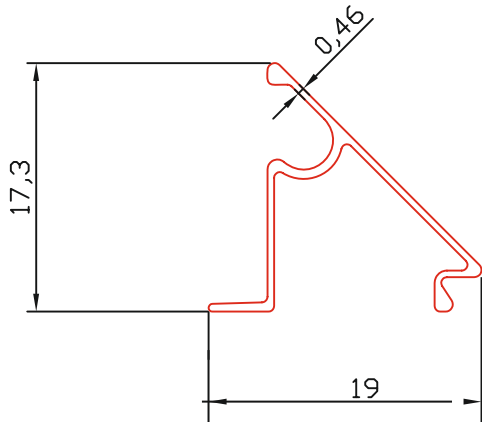
Die No	Description	Weight (Kg/Meter)
6091	Glazing Plate	1.069
6091	Glazing Plate	0.156
6091	Glazing Plate	1.136
6091	Glazing Plate	1.202
6091	Glazing Plate	1.121
6091	Glazing Plate	1.114


GLAZING PLATE
6051
2.182 kg/m

0.5" GLASS BOTTOM

Beading

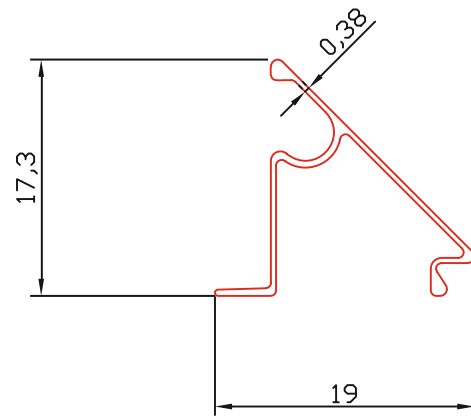
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6000



GLAZING CLIP

6000 a



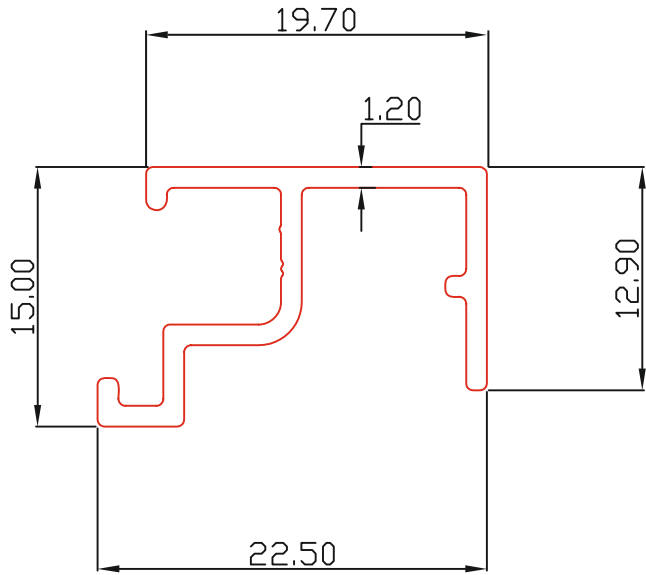
GLAZING CLIP

Die No	Description	Weight (Kg/Meter)
6000	Glazing Clip	0.054
6000	Glazing Clip	0.062
6000	Glazing Clip	0.071
6000	Glazing Clip	0.081
6000	Glazing Clip	0.095
6000	Glazing Clip	0.110
6000	Glazing Clip	0.122
6000	Glazing Clip	0.136

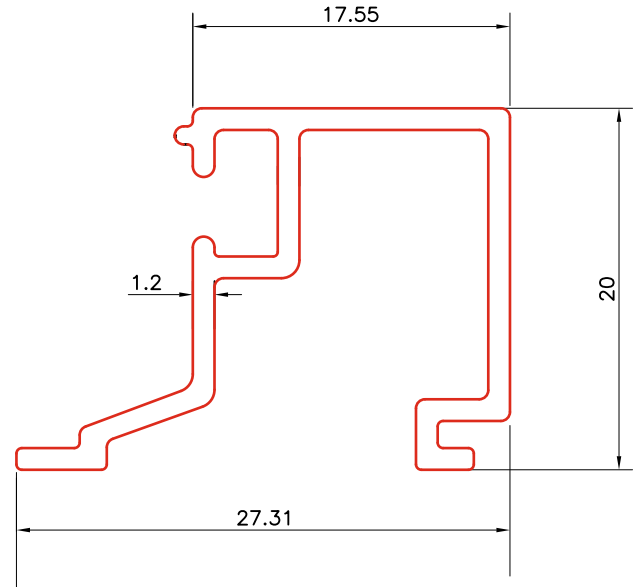
Beading

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

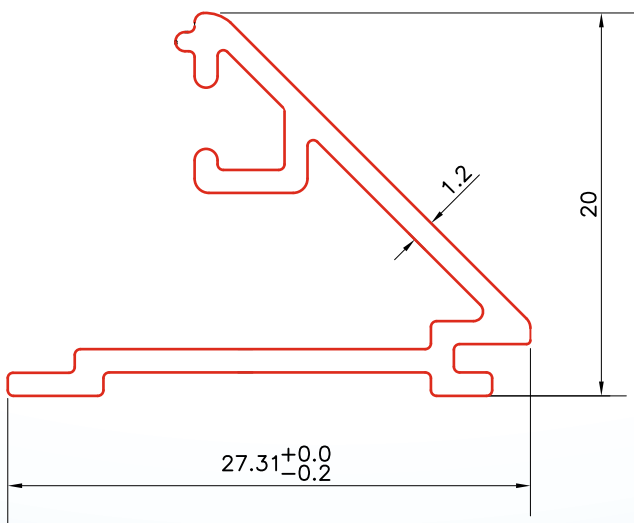
6409 **0.188 kg/m**



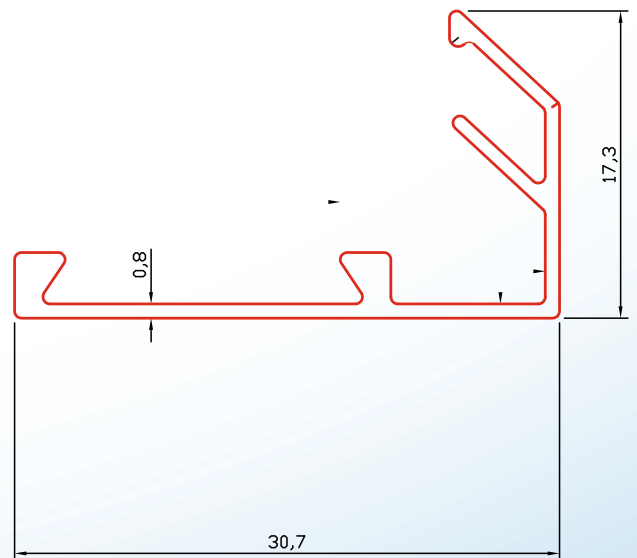
AW660 **0.312 kg/m**



7554 **0.218 kg/m**



6421 **0.159 kg/m**



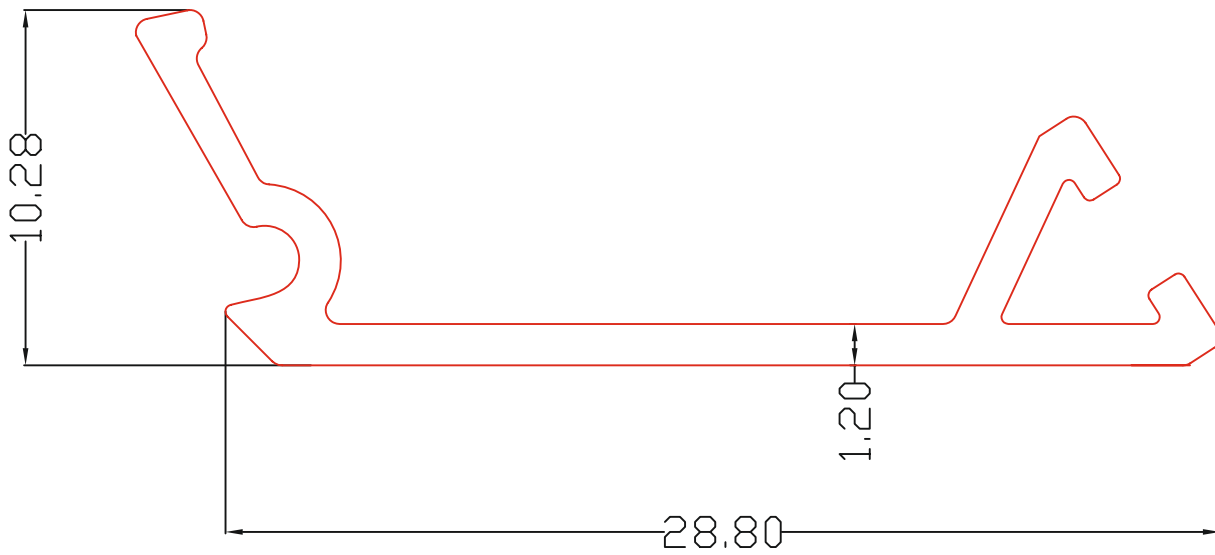
All dimensions are in mm.

Beading

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6228

0.183 kg/m

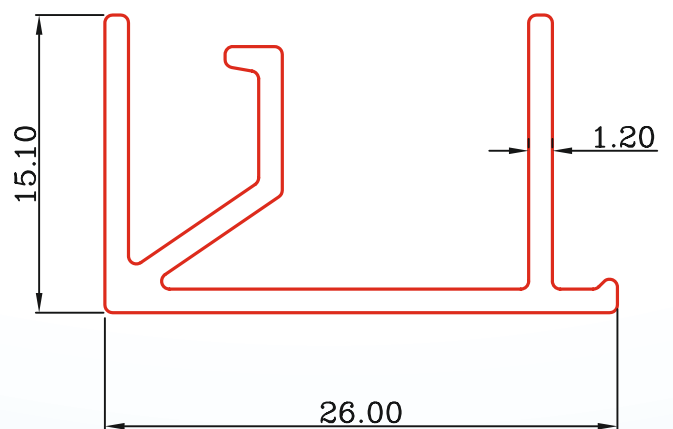
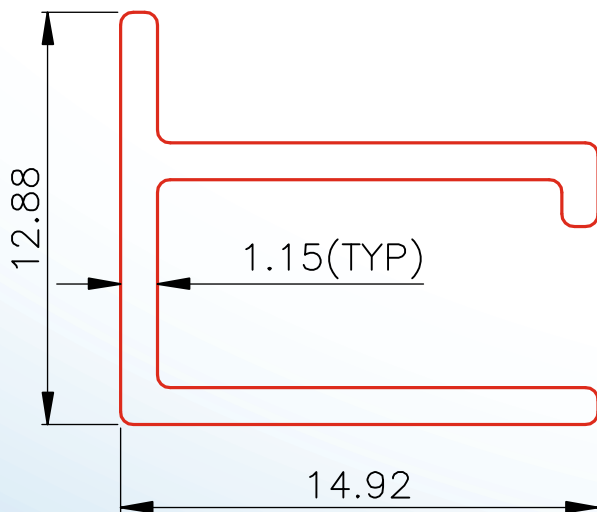


7040

0.131 kg/m

7074

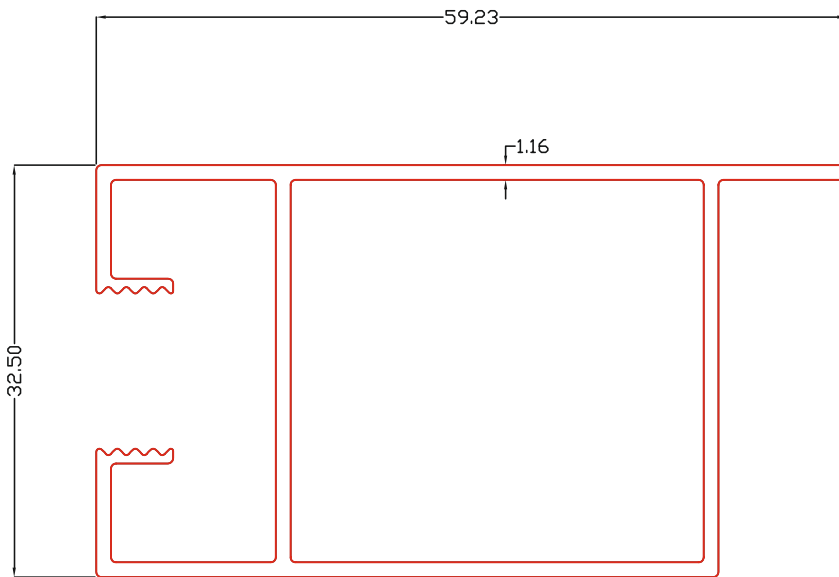
0.226 kg/m



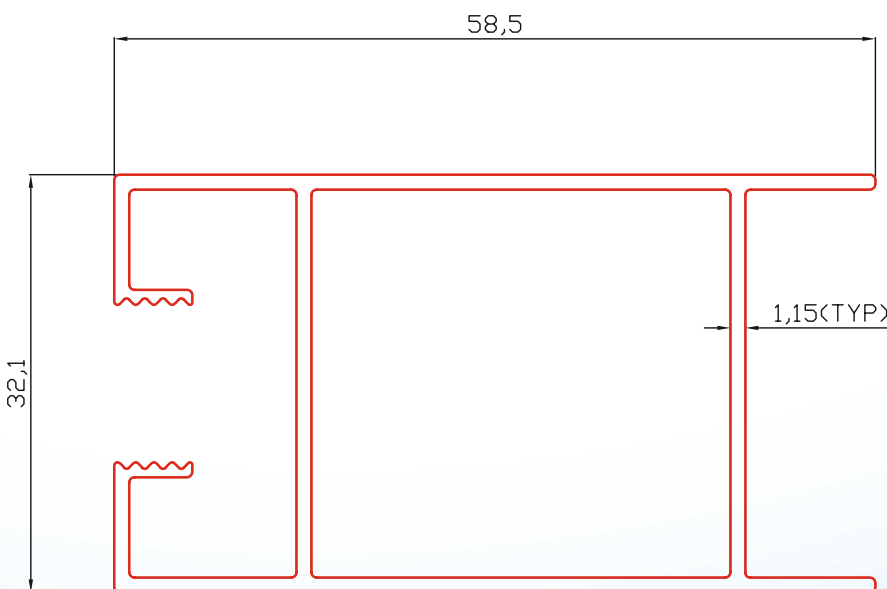
All dimensions are in mm.

Windows Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6193


Die No	Description	Weight (Kg/Meter)
6193	2.25" x 1.25" Window Single Leg	0.610
6193	2.25" x 1.25" Window Single Leg	0.660
6193	2.25" x 1.25" Window Single Leg	0.700
6193	2.25" x 1.25" Window Single Leg	0.870
6193	2.25" x 1.25" Window Single Leg	1.090

2.25" x 1.25" WINDOW SINGLE LEG
6194


Die No	Description	Weight (Kg/Meter)
6194	2.25" x 1.25" Window Bottom	0.610
6194	2.25" x 1.25" Window Bottom	0.660
6194	2.25" x 1.25" Window Bottom	0.700
6194	2.25" x 1.25" Window Bottom	0.770
6194	2.25" x 1.25" Window Bottom	0.830
6194	2.25" x 1.25" Window Bottom	0.870
6194	2.25" x 1.25" Window Bottom	0.920
6194	2.25" x 1.25" Window Bottom	1.050
6194	2.25" x 1.25" Window Bottom	1.100

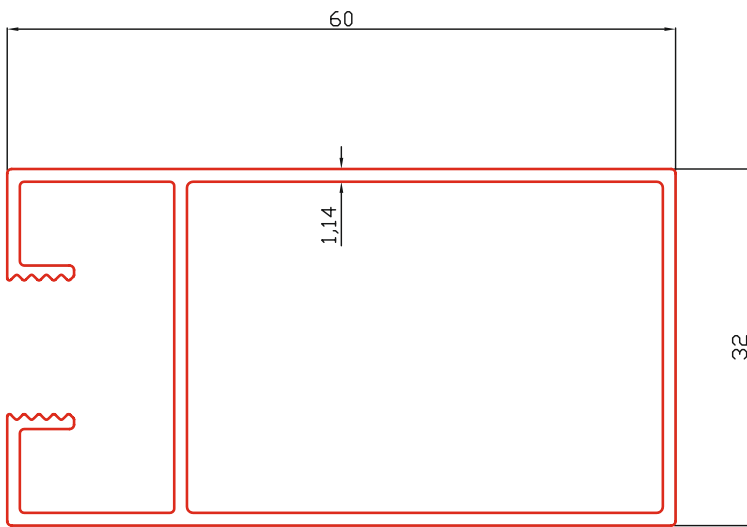
2.25" x 1.25" WINDOW BOTTOM

All dimensions are in mm.

Windows Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

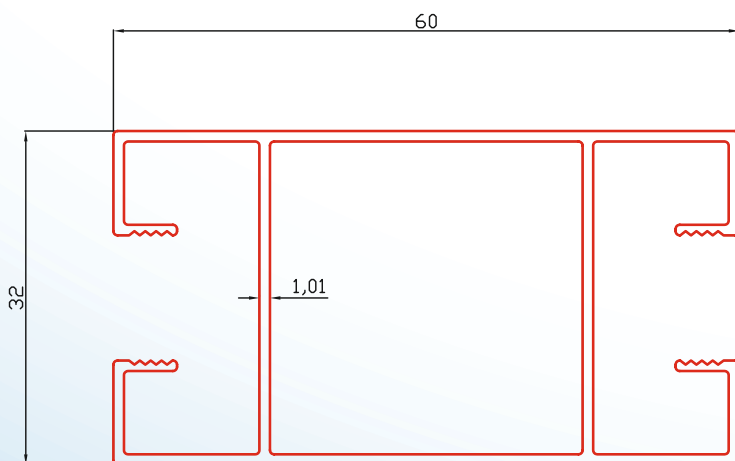
6200



Die No	Description	Weight (Kg/Meter)
6200	2.25" x 1.25" Window Single	0.570
6200	2.25" x 1.25" Window Single	0.612
6200	2.25" x 1.25" Window Single	0.656
6200	2.25" x 1.25" Window Single	0.700
6200	2.25" x 1.25" Window Single	0.743
6200	2.25" x 1.25" Window Single	0.831
6200	2.25" x 1.25" Window Single	0.874
6200	2.25" x 1.25" Window Single	0.918
6200	2.25" x 1.25" Window Single	1.100

2.25" x 1.25" WINDOW SINGLE

6199

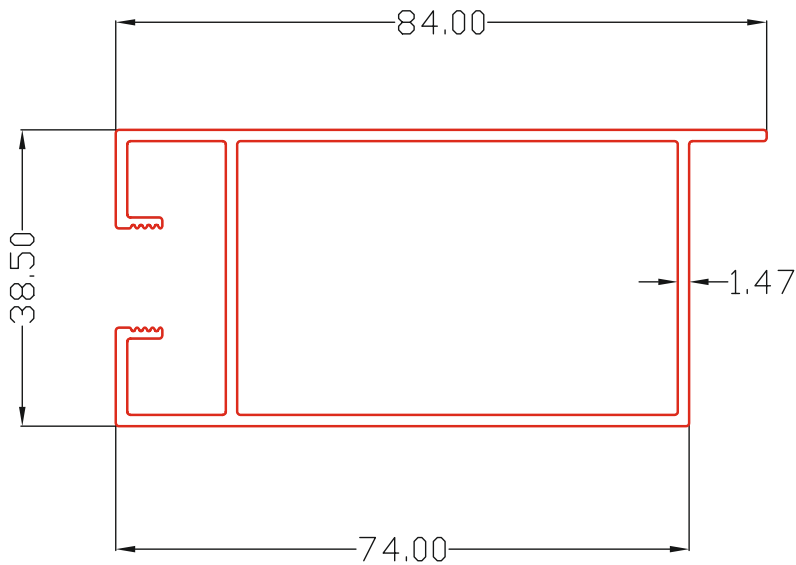


Die No	Description	Weight (Kg/Meter)
6199	2.25" x 1.25" Window Double	0.610
6199	2.25" x 1.25" Window Double	0.656
6199	2.25" x 1.25" Window Double	0.700
6199	2.25" x 1.25" Window Double	0.875
6199	2.25" x 1.25" Window Double	1.100

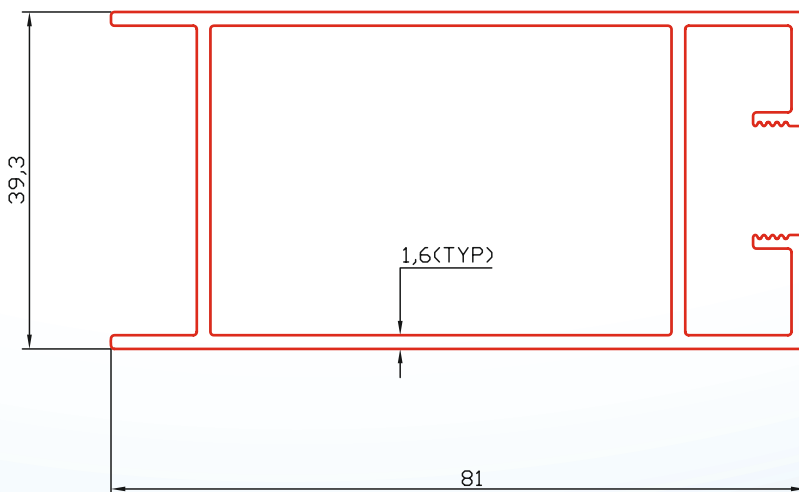
2.25" x 1.25" WINDOW DOUBLE

Windows Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6214


Die No	Description	Weight (Kg/Meter)
6214	3.25" x 1.5" Window Single Leg	1.060
6214	3.25" x 1.5" Window Single Leg	1.120

3.25" x 1.5" WINDOW SINGLE LEG
6196
1.050 kg/m


Die No	Description	Weight (Kg/Meter)
6196	3.25" x 1.5" Window Bottom	1.050
6196	3.25" x 1.5" Window Bottom	1.100
6196	3.25" x 1.5" Window Bottom	1.140
6196	3.25" x 1.5" Window Bottom	1.320
6196	3.25" x 1.5" Window Bottom	1.490
6196	3.25" x 1.5" Window Bottom	1.530

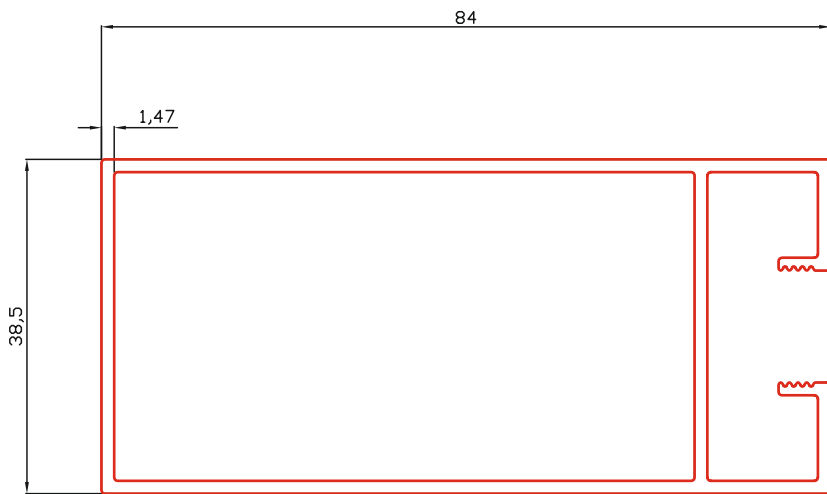
3.25" x 1.5" WINDOW BOTTOM

All dimensions are in mm.

Windows Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

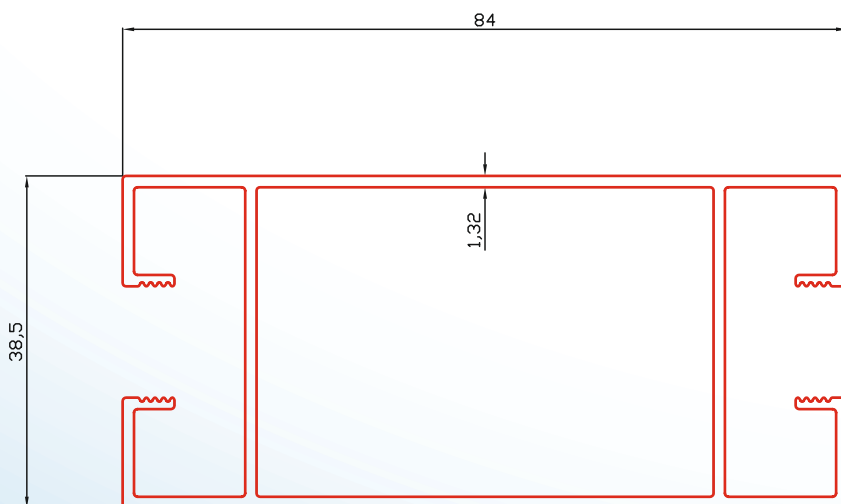
6197



Die No	Description	Weight (Kg/Meter)
6197	3.25" x 1.5" Window Single	1.010
6197	3.25" x 1.5" Window Single	1.050
6197	3.25" x 1.5" Window Single	1.140
6197	3.25" x 1.5" Window Single	1.315
6197	3.25" x 1.5" Window Single	1.490
6197	3.25" x 1.5" Window Single	1.531
6197	3.25" x 1.5" Window Single	1.100

3.25" x 1.5" WINDOW SINGLE

6198

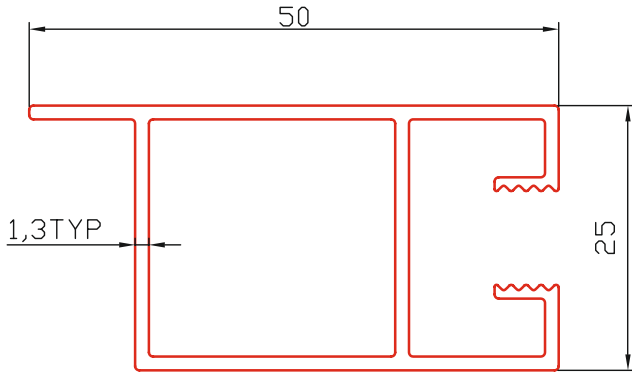
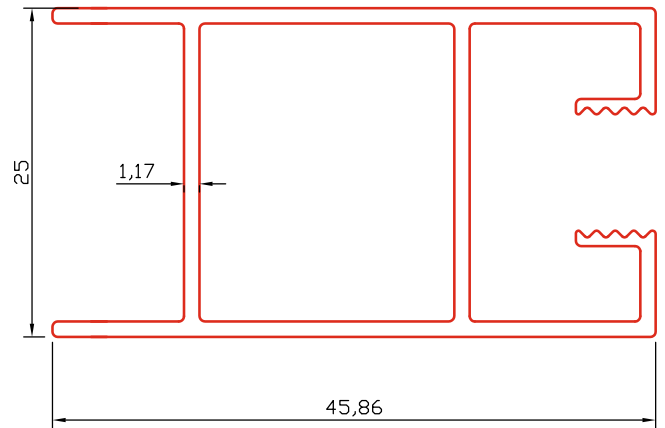
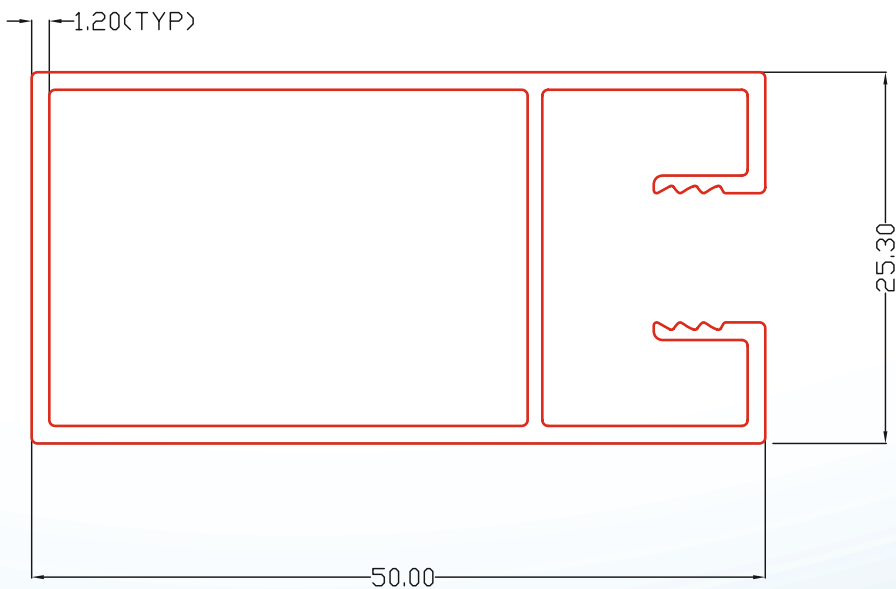


Die No	Description	Weight (Kg/Meter)
6198	3.25" x 1.5" Window Double	1.050
6198	3.25" x 1.5" Window Double	1.100
6198	3.25" x 1.5" Window Double	1.140
6198	3.25" x 1.5" Window Double	1.320
6198	3.25" x 1.5" Window Double	1.530

3.25" x 1.5" WINDOW DOUBLE

Windows Series

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6216
0.545 kg/m

2" x 1" WINDOW SINGLE LEG
6217
0.590 kg/m

2" x 1" WINDOW BOTTOM
6195


Die No	Description	Weight (Kg/Meter)
6195	2" x 1" Window Single	0.790
6195	2" x 1" Window Single	0.690
6195	2" x 1" Window Single	0.580

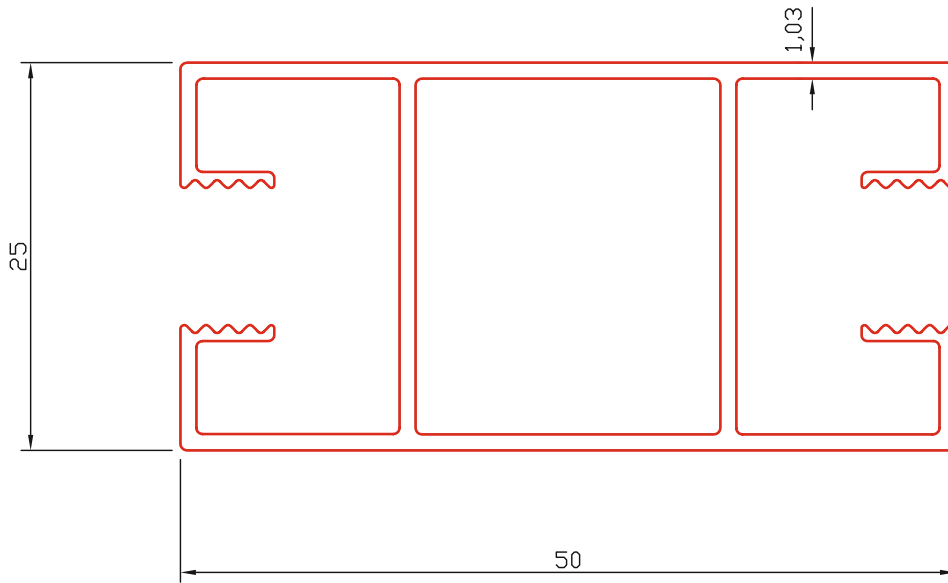
2" x 1" WINDOW SINGLE
All dimensions are in mm.

Windows Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6218

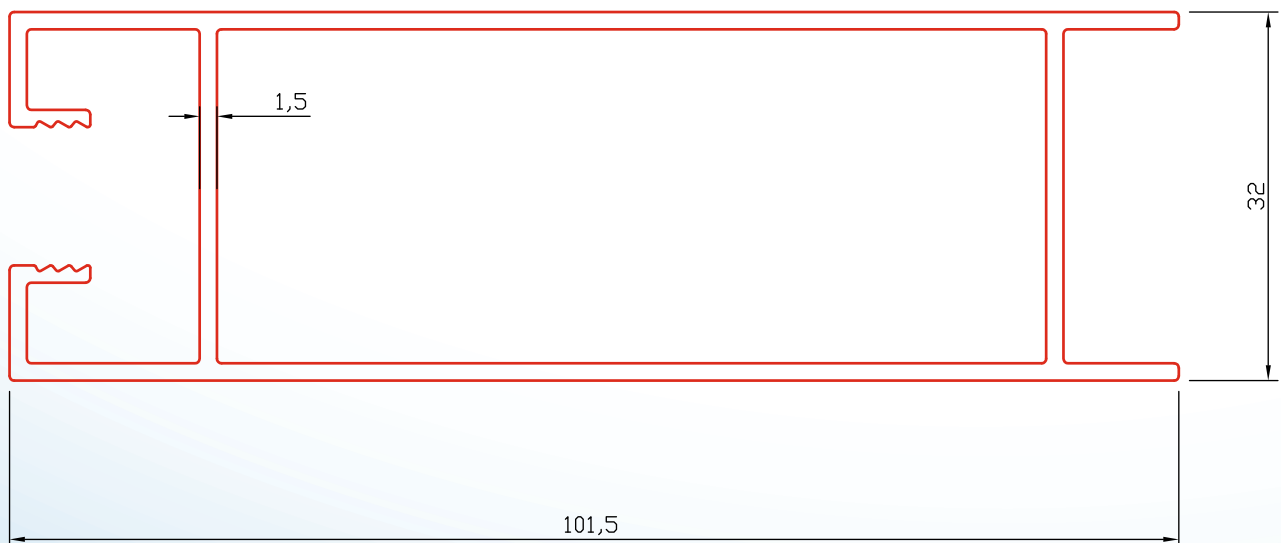
0.530 kg/m



2" x 1" WINDOW DOUBLE

6414

1.210 kg/m



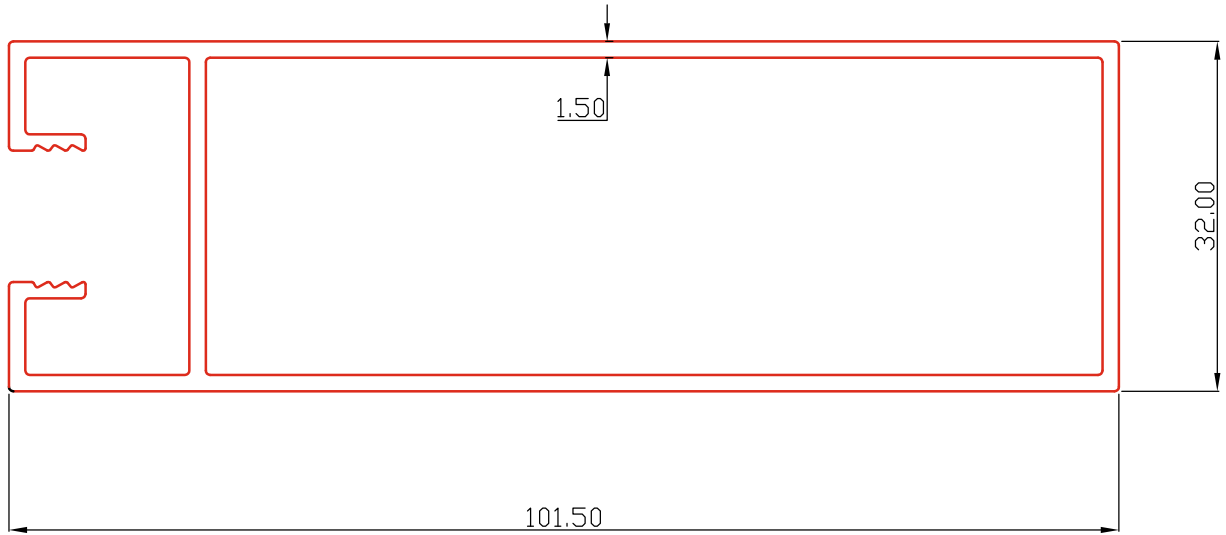
4" x 1.25" WINDOW BOTTOM

All dimensions are in mm.

Windows Series

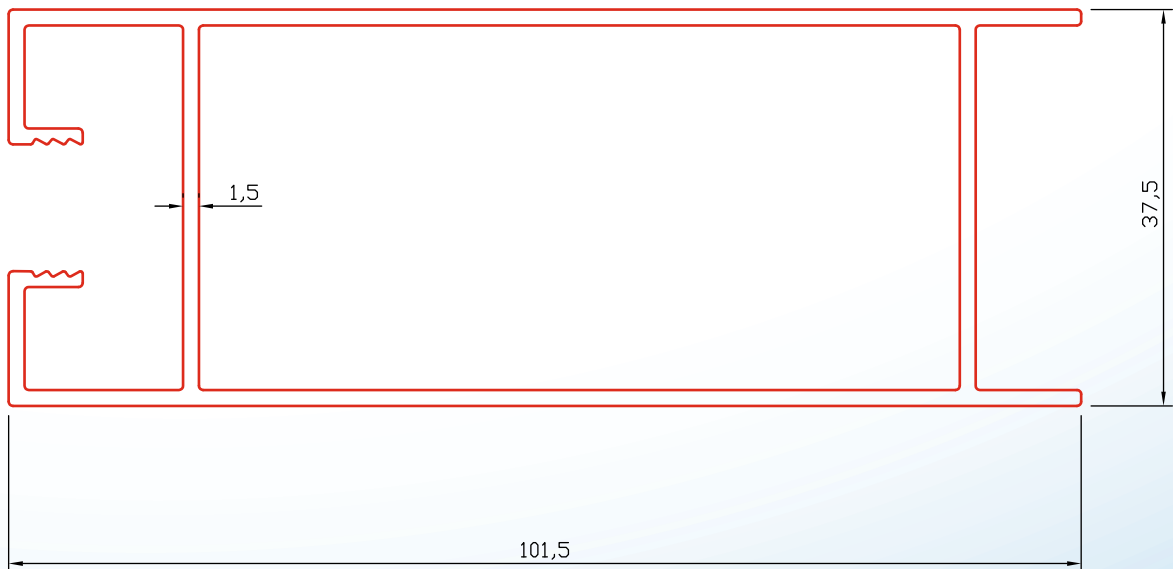
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6419 **1.250 kg/m**



4" x 1.25" WINDOW SINGLE

6416 **1.210 kg/m**



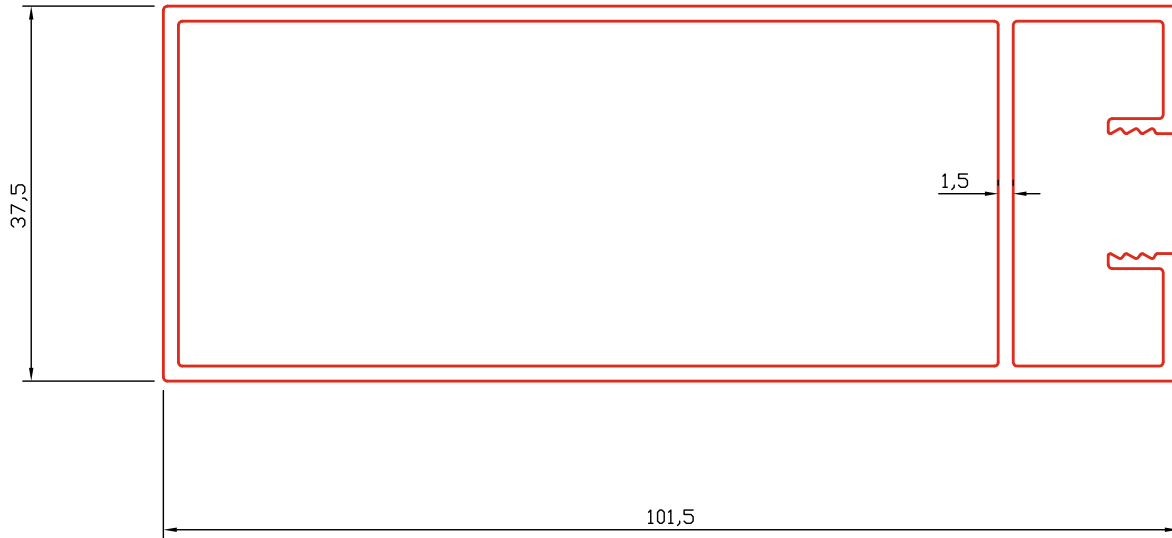
4" x 1.5" WINDOW BOTTOM

All dimensions are in mm.

Windows Series

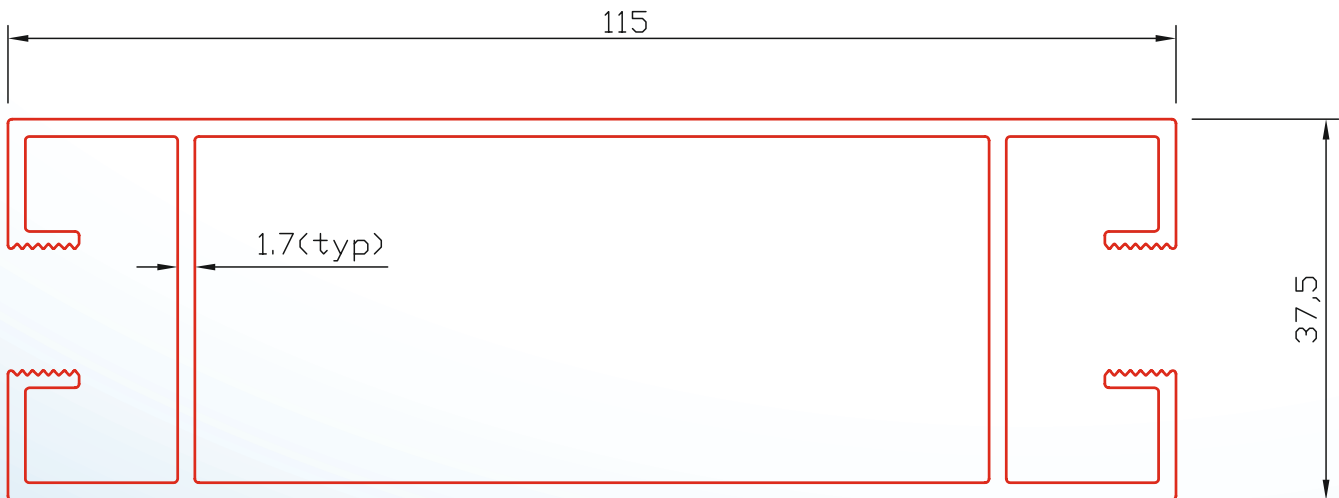
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6415 **1.173 kg/m**



4" x 1.5" WINDOW SINGLE

6215 **1.700 kg/m**



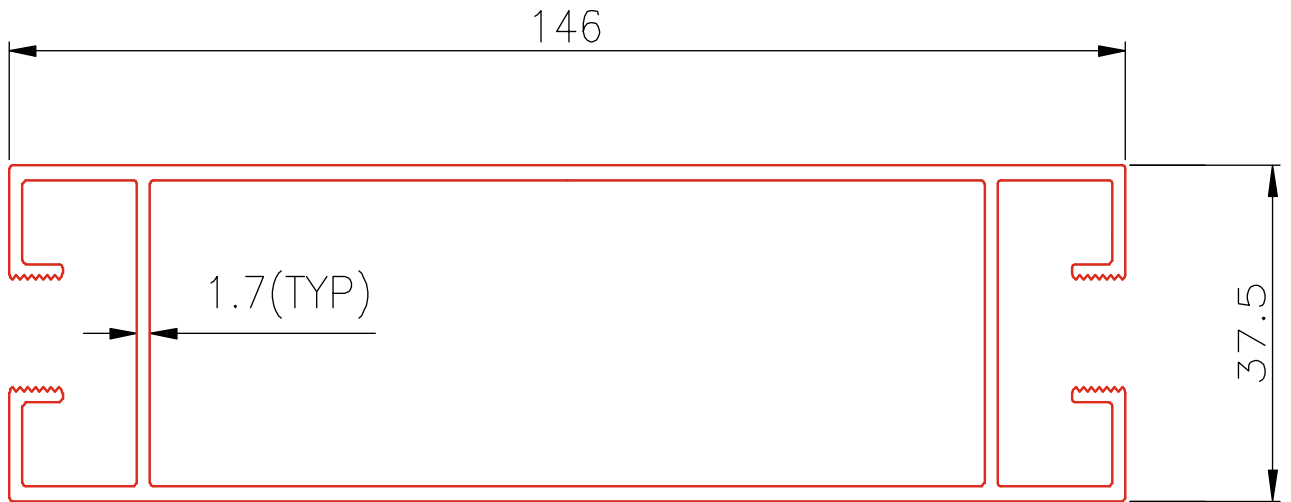
4.5" x 1.5" WINDOW DOUBLE

All dimensions are in mm.

Windows Series

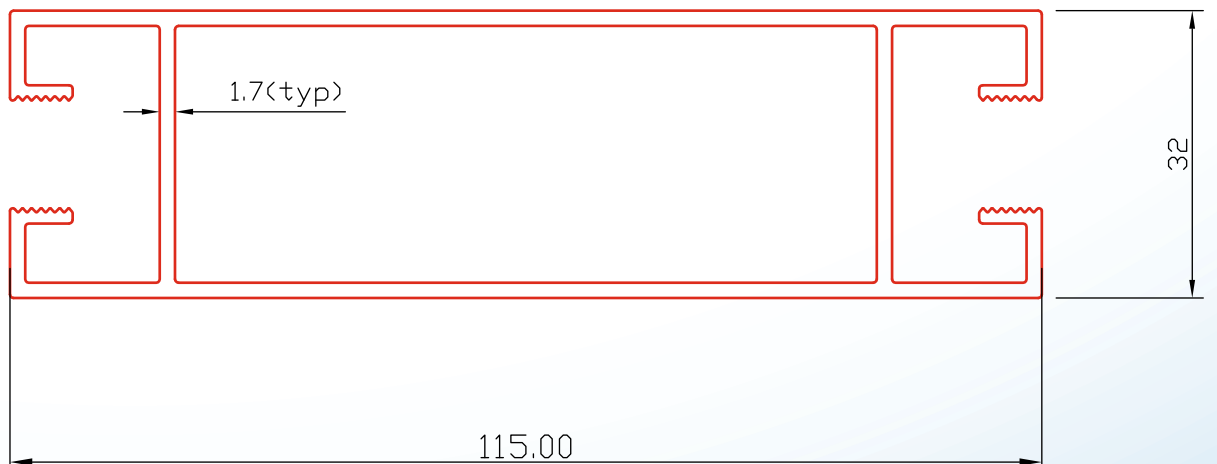
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6229 **2.080 kg/m**



6" x 1.5" WINDOW DOUBLE

6261 **1.580 kg/m**

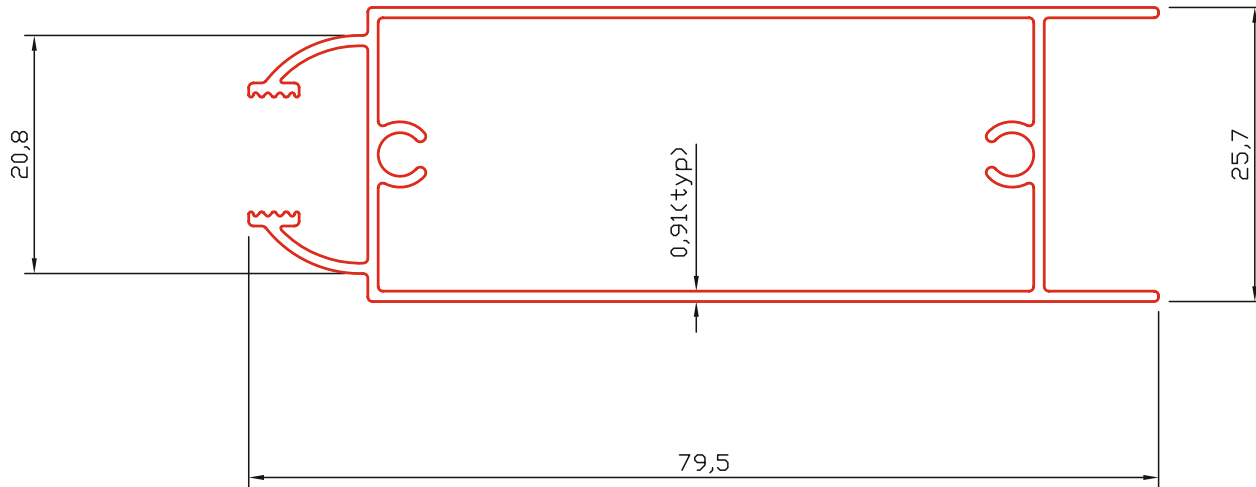


4.5" x 1.25" WINDOW DOUBLE

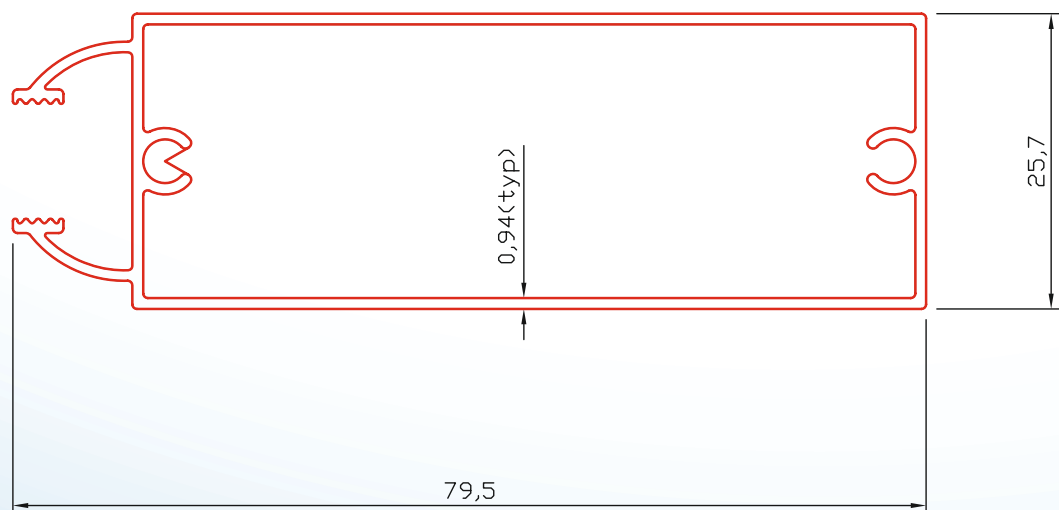
All dimensions are in mm.

Windows Series

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6296
0.570 kg/m


WINDOW BOTTOM TAPER

6297
0.600 kg/m


WINDOW SINGLE TAPER

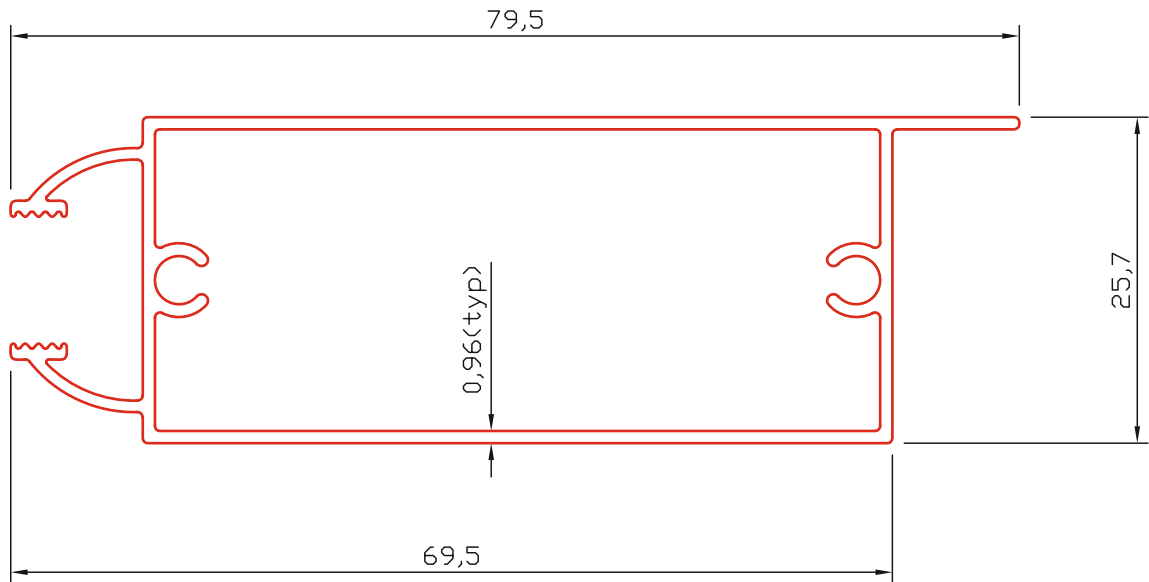
All dimensions are in mm.

Windows Series

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6299

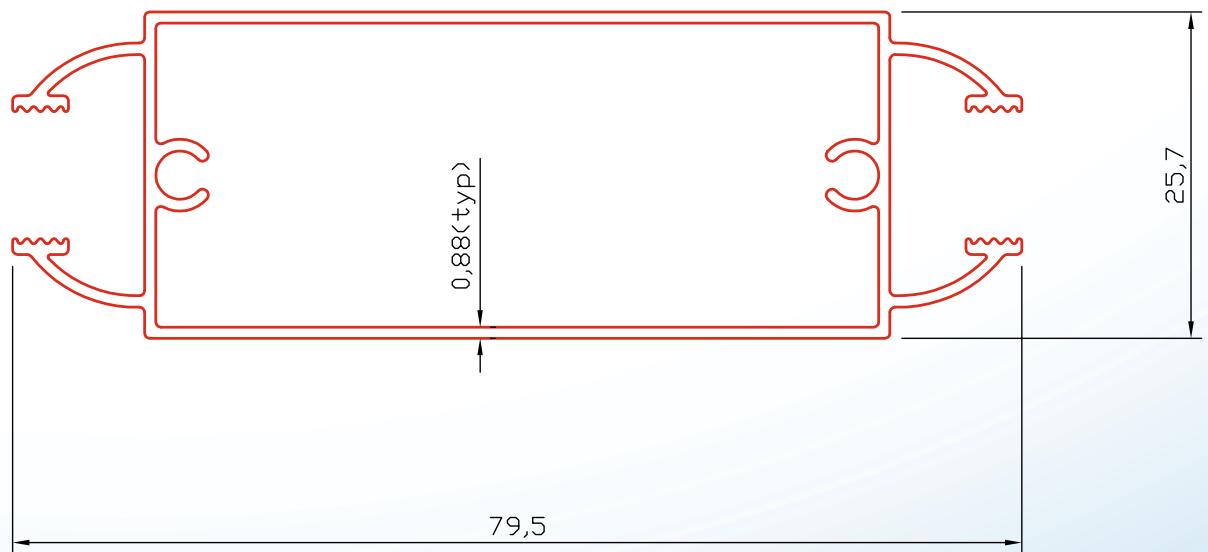
0.560 kg/m



WINDOW SINGLE LEG TAPER

6295

0.580 kg/m



WINDOW DOUBLE TAPER

All dimensions are in mm.

Casement Windows

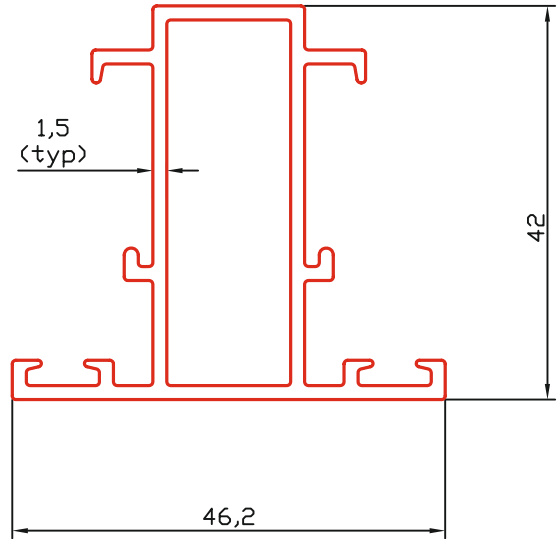
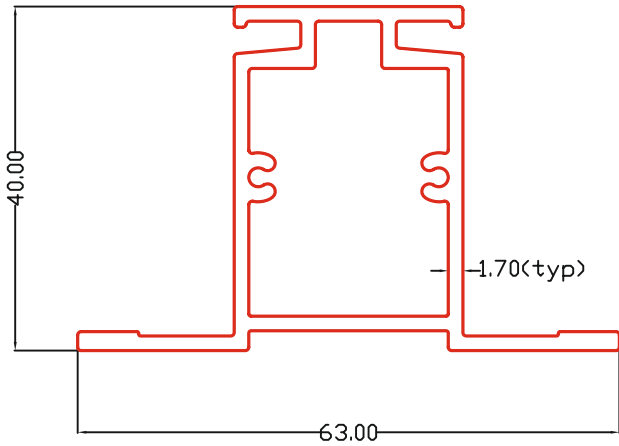
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6206/4

0.862 kg/m

6206/1

0.715 kg/m



MULIAN

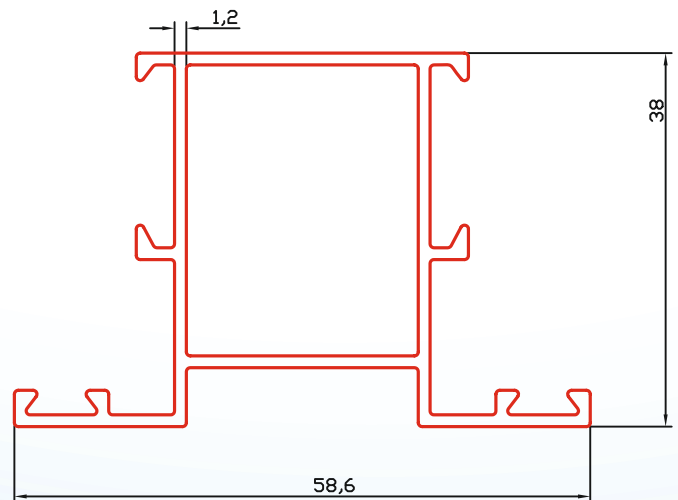
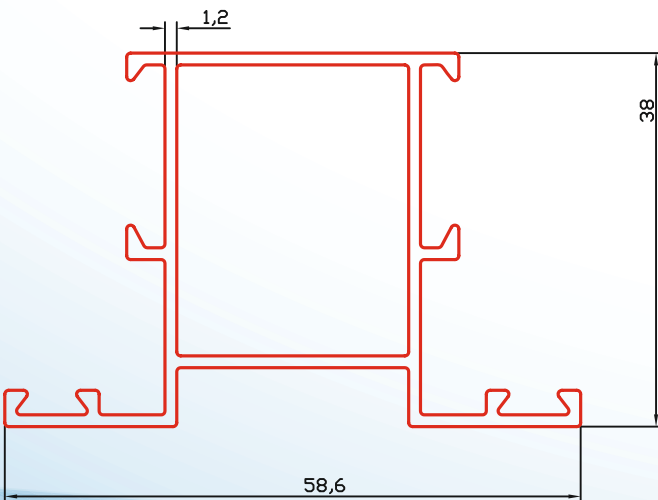
MULIAN

6206/2

0.870 kg/m

6206/2A

0.622 kg/m



MULIAN

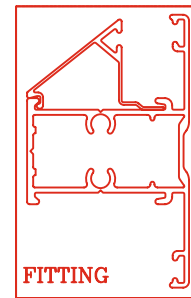
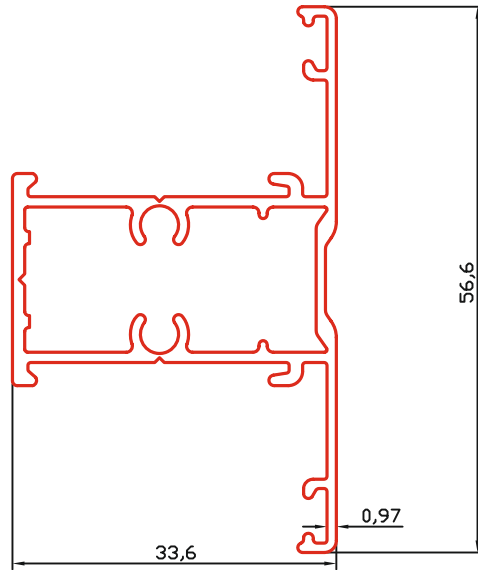
MULIAN

All dimensions are in mm.

Casement Windows

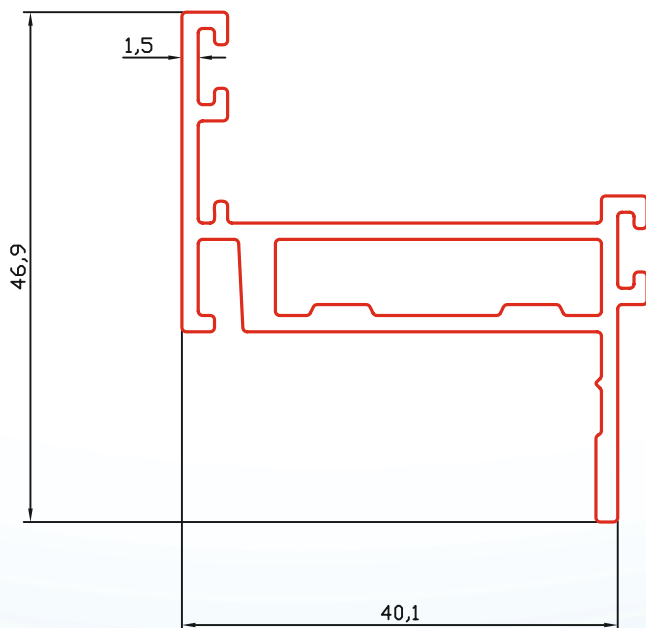
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6206/3 **0.620 kg/m**



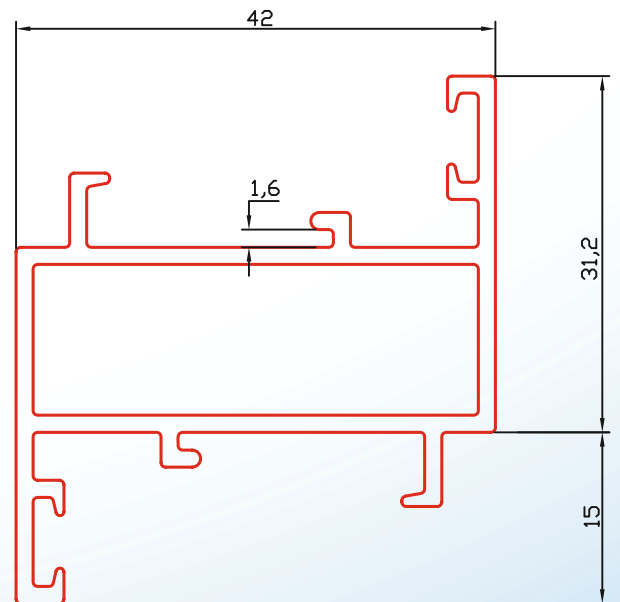
MULIAN

6207/4 **0.713 kg/m**



HOLLOW Z

6207/1 **0.726 kg/m**



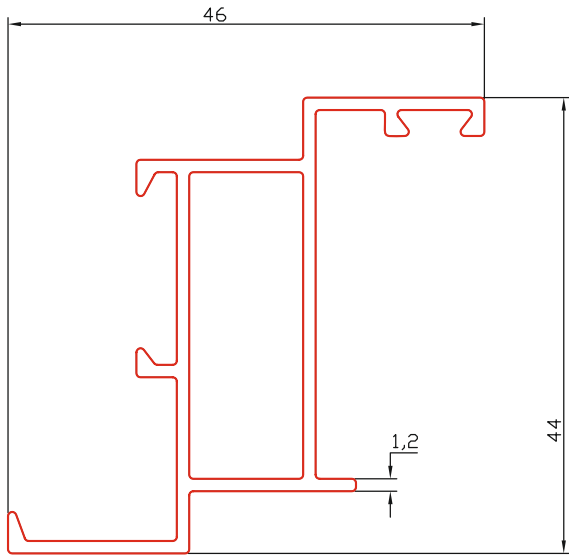
HOLLOW Z

All dimensions are in mm.

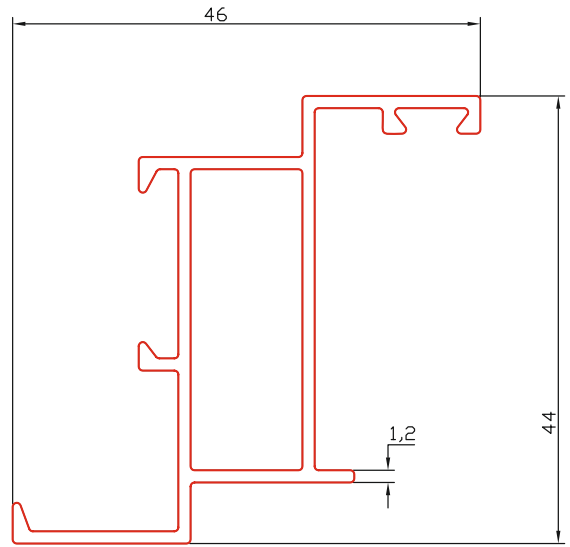
Casement Windows

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6207/2 **0.789 kg/m**



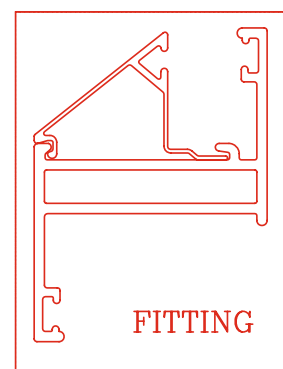
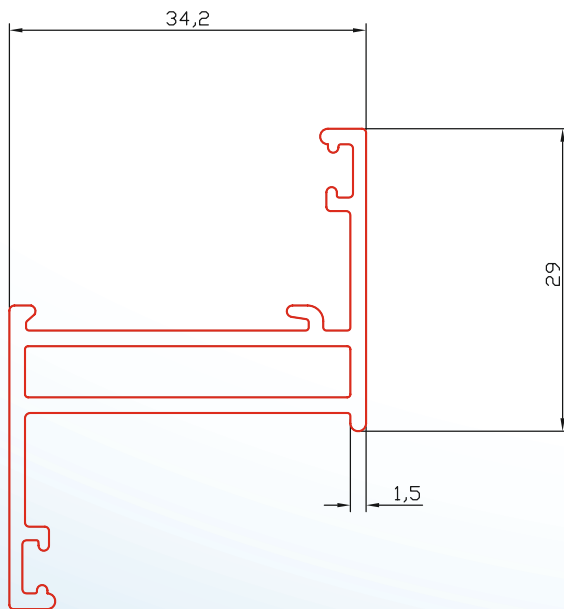
6207/2A **0.492 kg/m**



HOLLOW Z GENERAL

HOLLOW Z GENERAL

6207/3 **0.553 kg/m**



HOLLOW Z

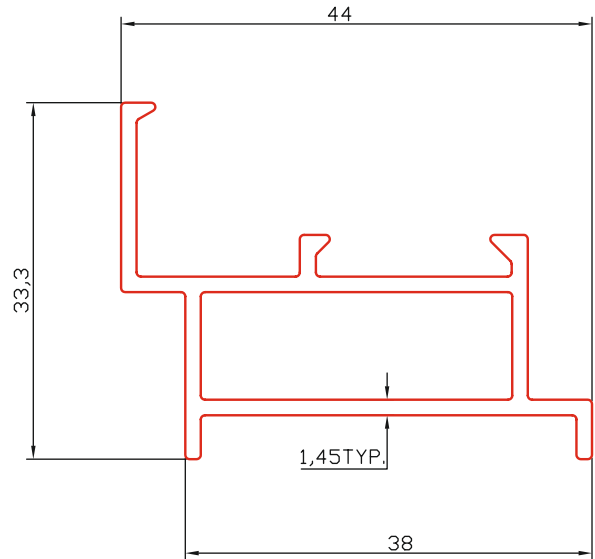
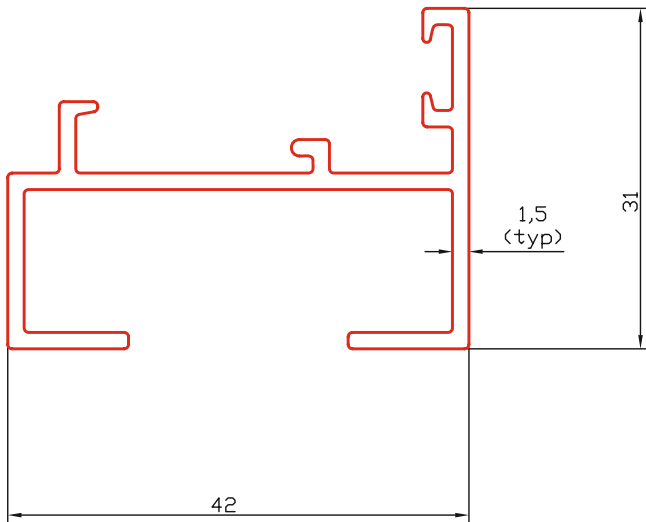
All dimensions are in mm.

Casement Windows

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6208/1 **0.666 kg/m**

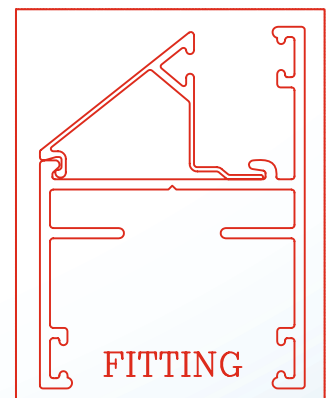
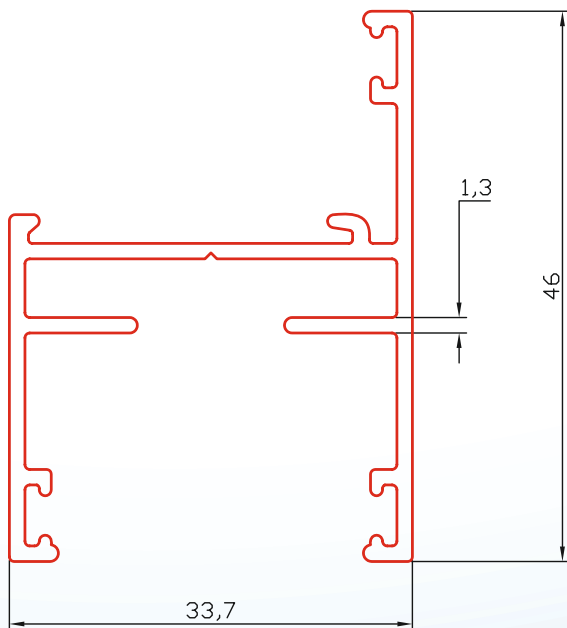
6208/2 **0.520 kg/m**



LAME Z

LAME Z GENERAL

6208/3 **0.511 kg/m**



LAME Z

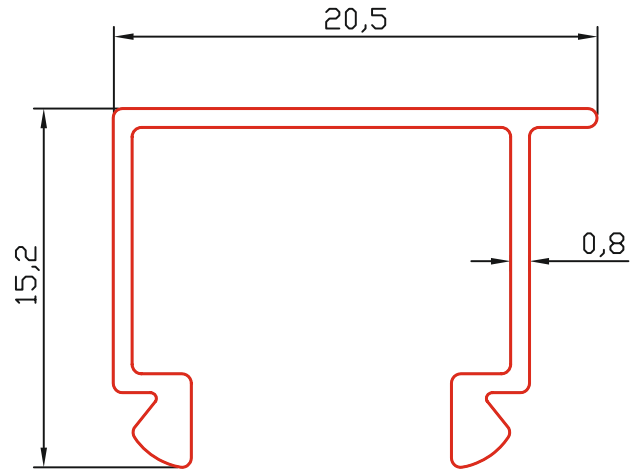
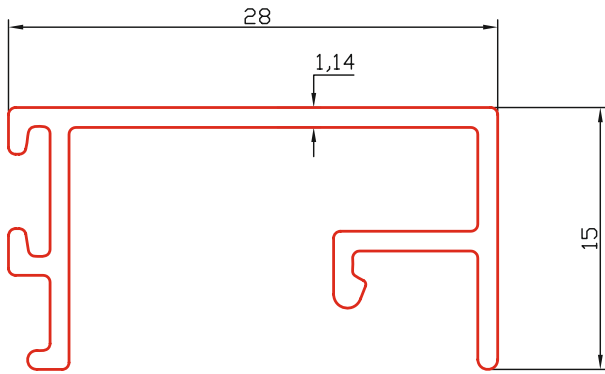
All dimensions are in mm.

Casement Windows

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6209/1 0.222 kg/m

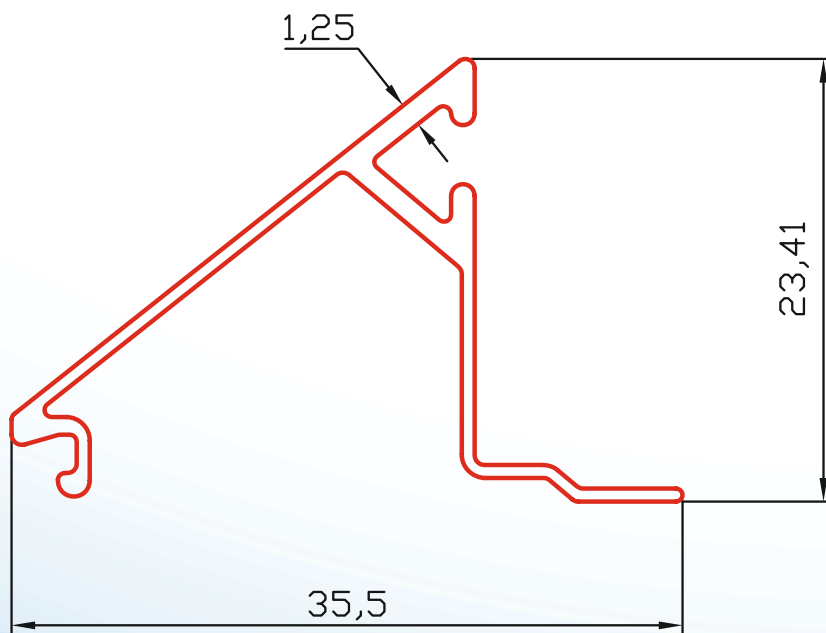
6209/2 0.157 kg/m



MULIAN CLIP

MULIAN CLIP GENERAL

6209/3 0.106 kg/m



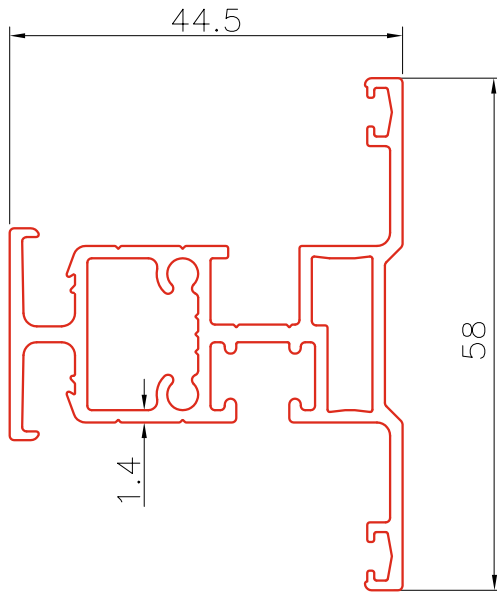
MULIAN CLIP

All dimensions are in mm.

Casement Windows
With Thermal Provision

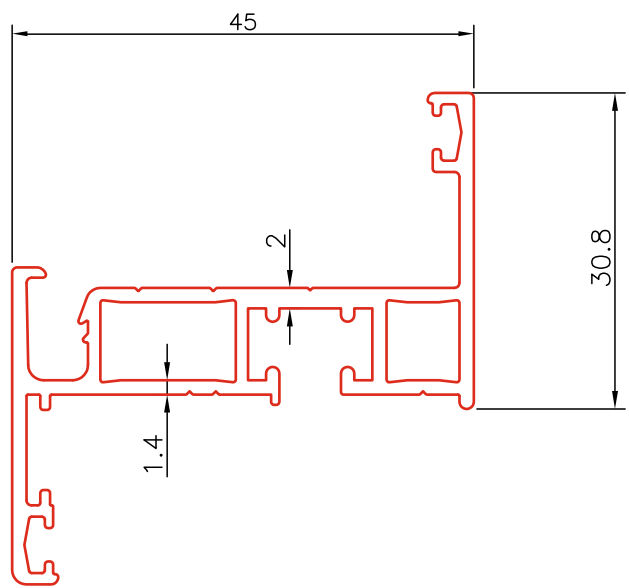
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

20058 **0.904 kg/m**



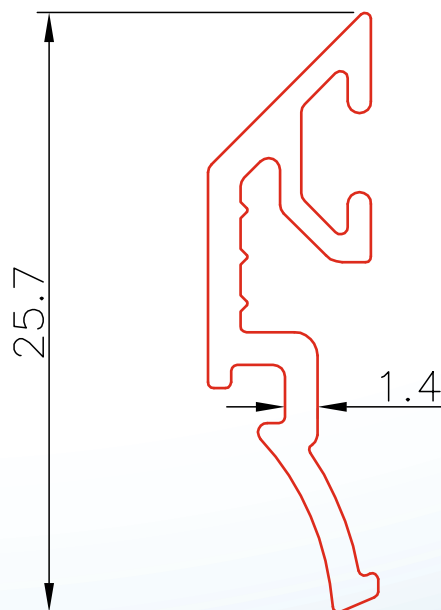
TRANSOM

20669 **0.663 kg/m**



VENT FRAME

20060 **0.144 kg/m**



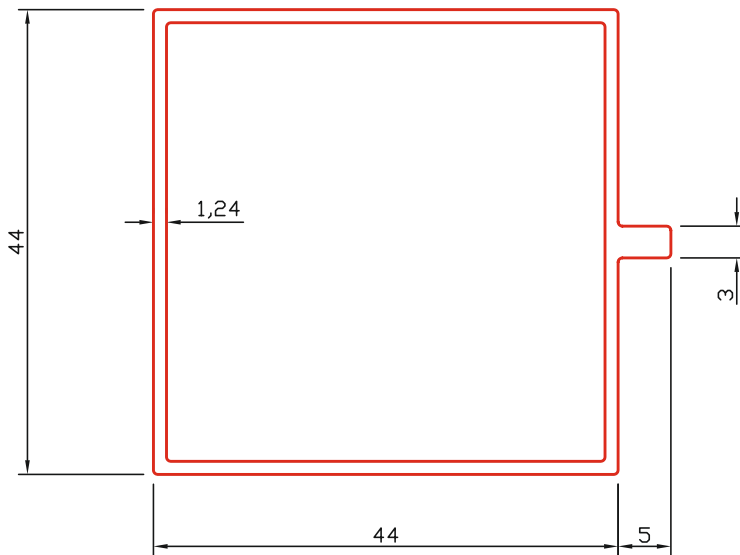
BEADING

All dimensions are in mm.

Curtain Wall / Structure Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6070

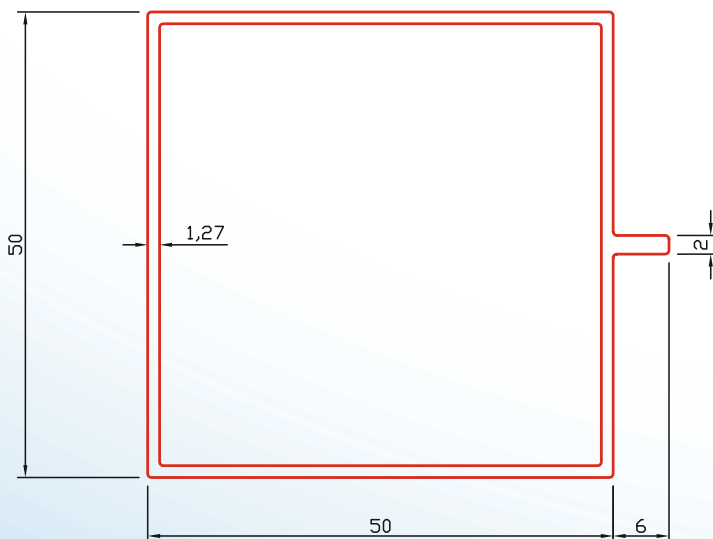


Die No	Description	Weight (Kg/Meter)
6070	1.75" x 1.75" Structure	0.656
6070	1.75" x 1.75" Structure	0.700
6070	1.75" x 1.75" Structure	0.765
6070	1.75" x 1.75" Structure	0.831

1.75" x 1.75" STRUCTURE

6071

1.730 kg/m

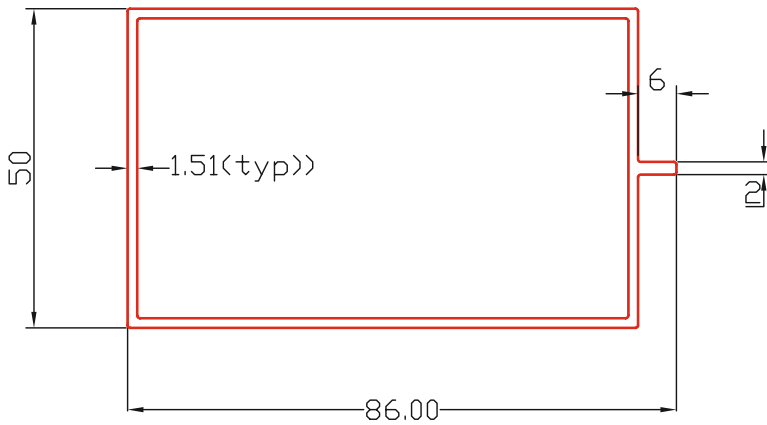


Die No	Description	Weight (Kg/Meter)
6071	2" x 2" Structure	1.730
6071	2" x 2" Structure	1.050
6071	2" x 2" Structure	0.874
6071	2" x 2" Structure	0.786
6071	2" x 2" Structure	0.656

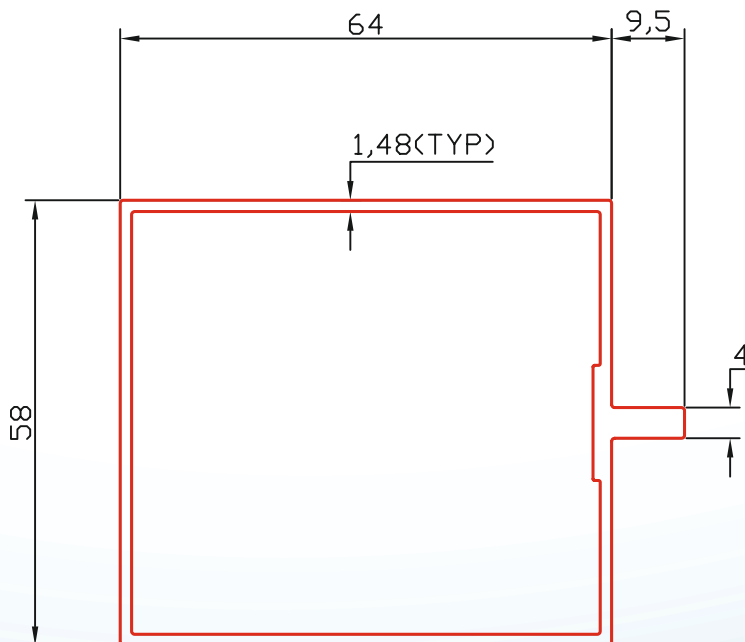
2" x 2" STRUCTURE

Curtain Wall / Structure Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6072


Die No	Description	Weight (Kg/Meter)
6072	3.15" x 2" Structure	1.537
6072	3.15" x 2" Structure	1.428
6072	3.15" x 2" Structure	1.093

3.15" x 2" STRUCTURE
6073


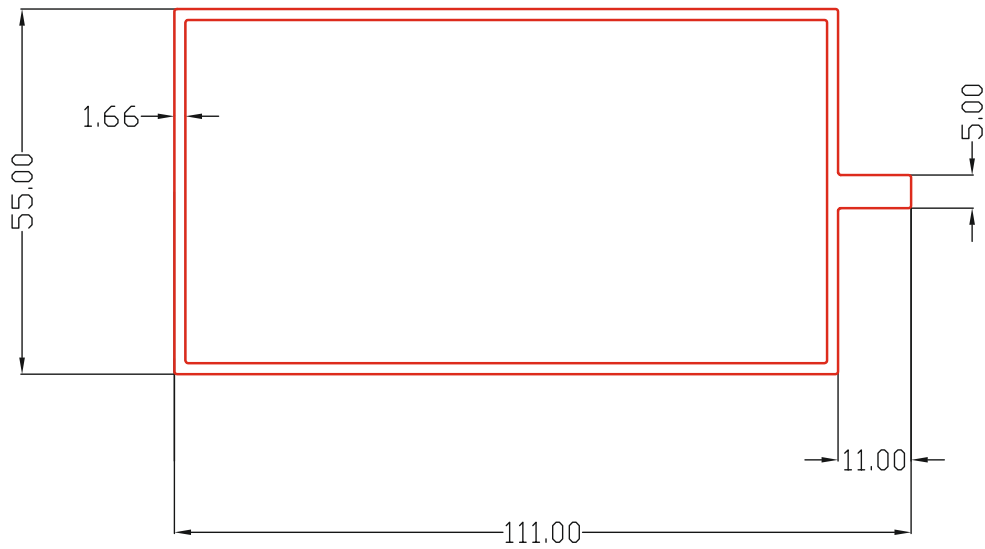
Die No	Description	Weight (Kg/Meter)
6073	2.5" x 2.25" Structure	1.531
6073	2.5" x 2.25" Structure	1.093

2.5" x 2.25" STRUCTURE

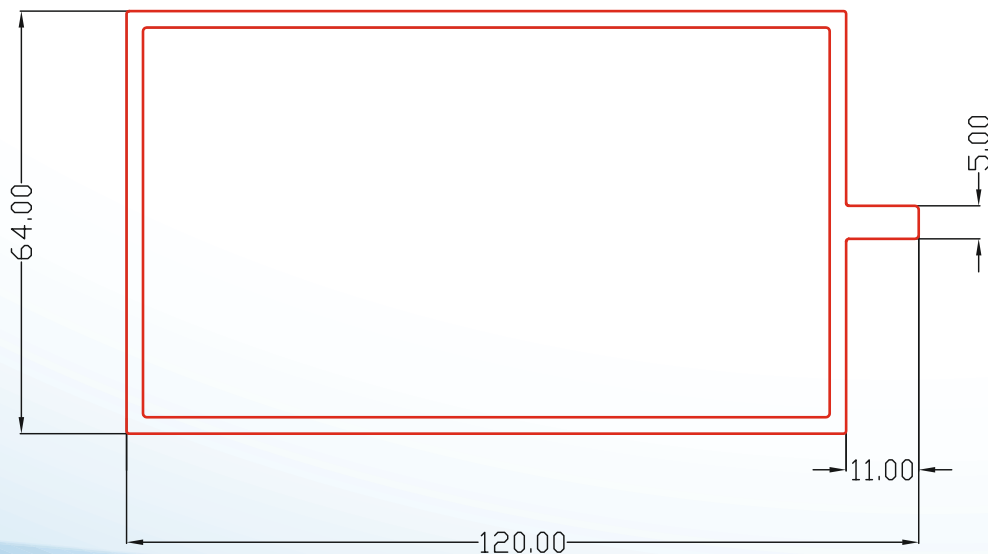
All dimensions are in mm.

Curtain Wall / Structure Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6074
1.716 kg/m


4.5" x 2.5" STRUCTURE

6075
2.405 kg/m


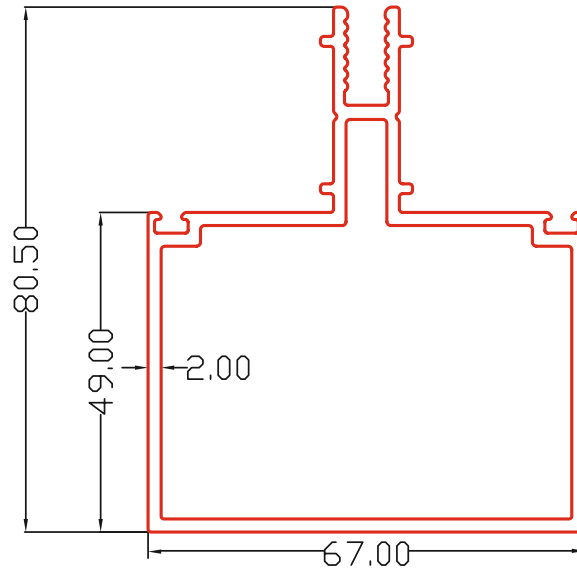
5" x 2.5" STRUCTURE

All dimensions are in mm.

Curtain Wall / Structure Profile

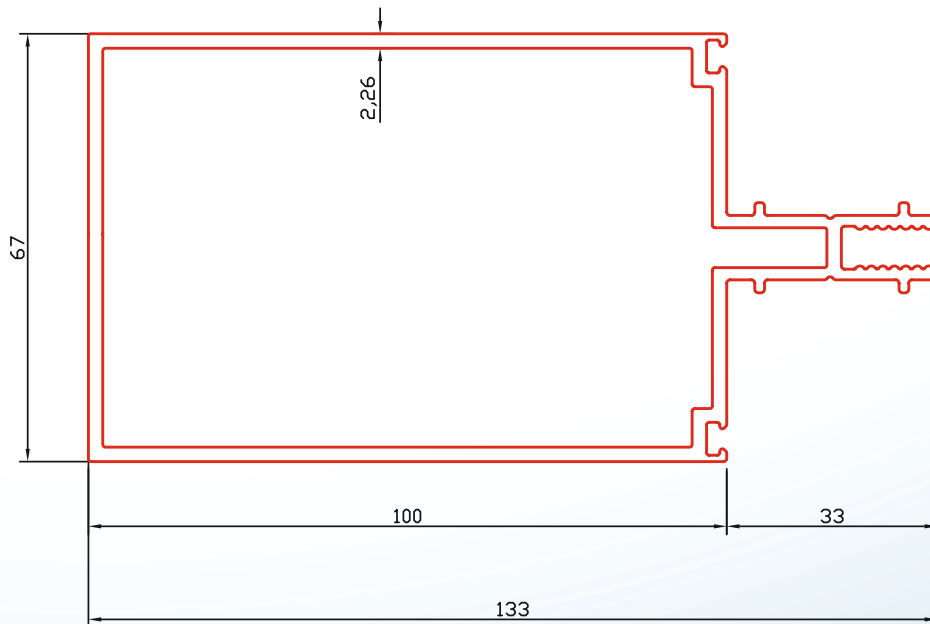
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6077 **1.603 kg/m**



2.5" x 2" CURTAIN WALL

6078 **2.209 kg/m**

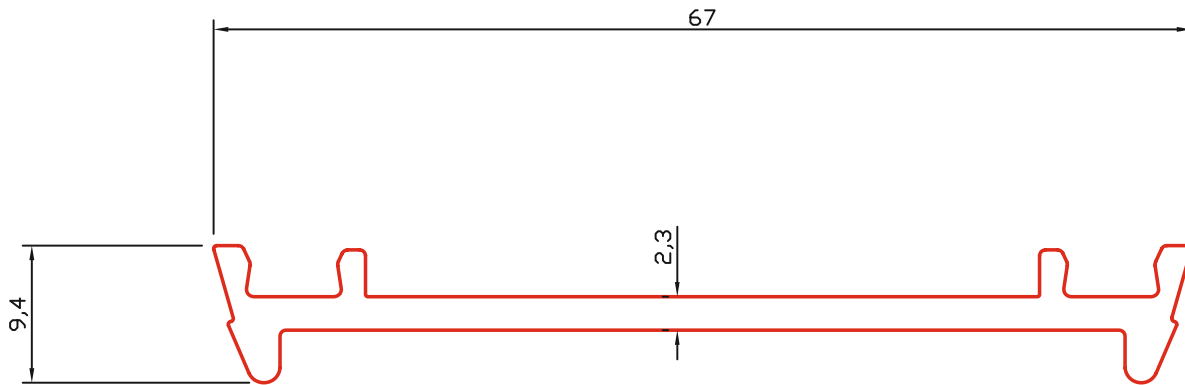


4" x 2.5" CURTAIN WALL

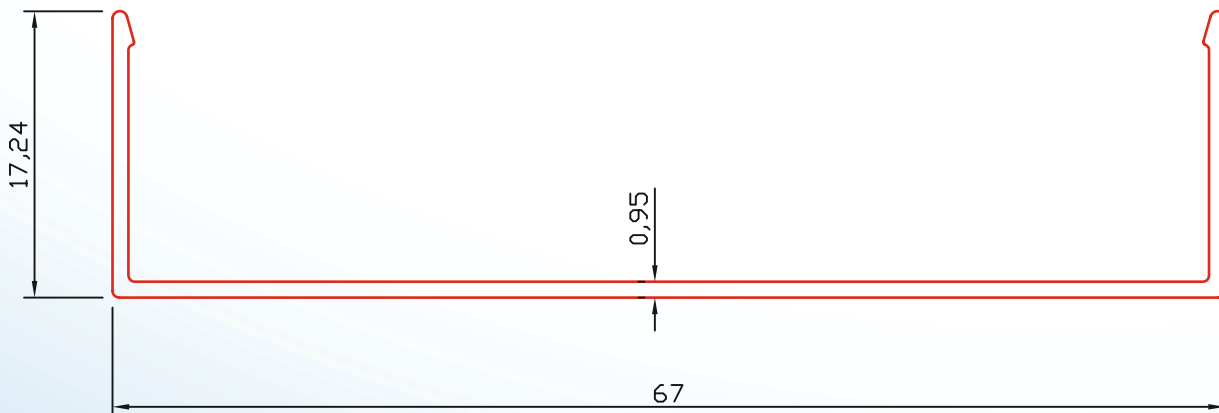
All dimensions are in mm.

Curtain Wall / Structure Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6417
0.505 kg/m


PRESSURE PLATE

6418
0.240 kg/m


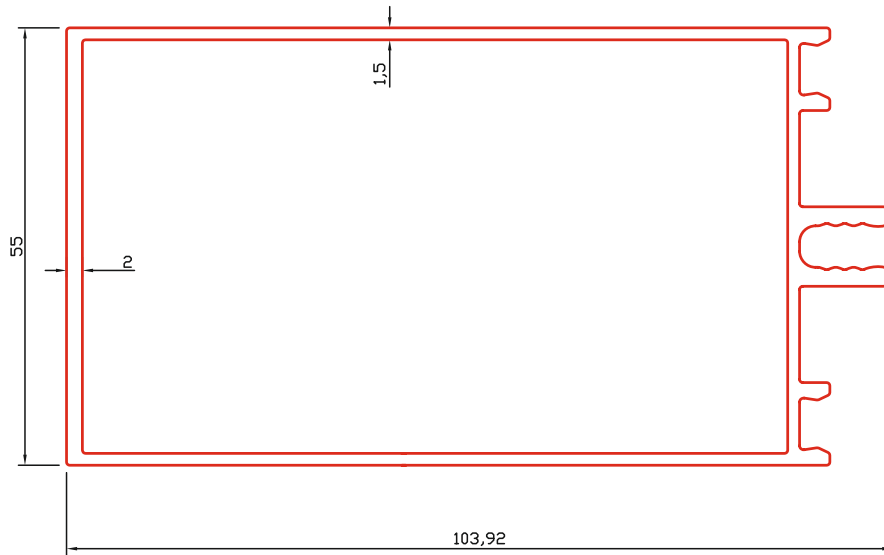
PRESSURE PLATE COVER

All dimensions are in mm.

Curtain Wall / Structure Profile

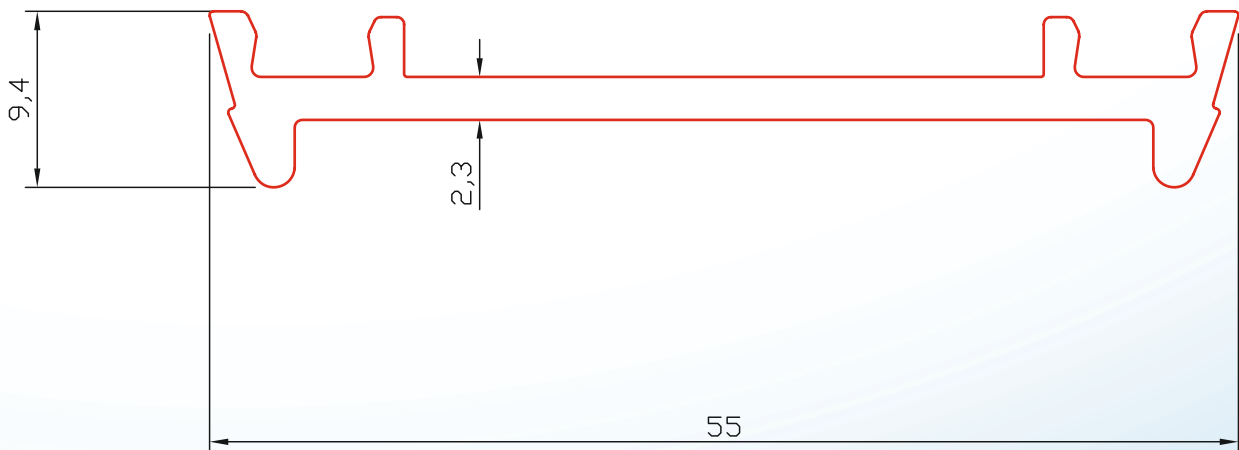
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6310 **1.472 kg/m**



4" x 2.25" CURTAIN WALL

6311 **0.443 kg/m**



PRESSURE PLATE

All dimensions are in mm.

Curtain Wall / Structure Profile

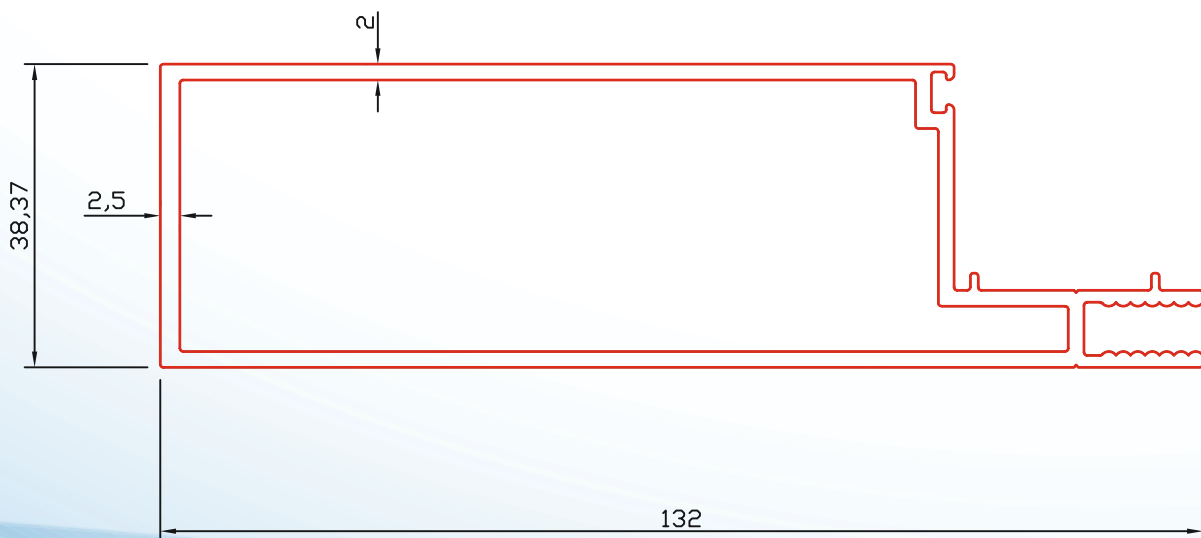
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6312 **0.215 kg/m**



PRESSURE PLATE COVER

6405 **1.832 kg/m**



132 x 38.37 HALF CURTAIN WALL

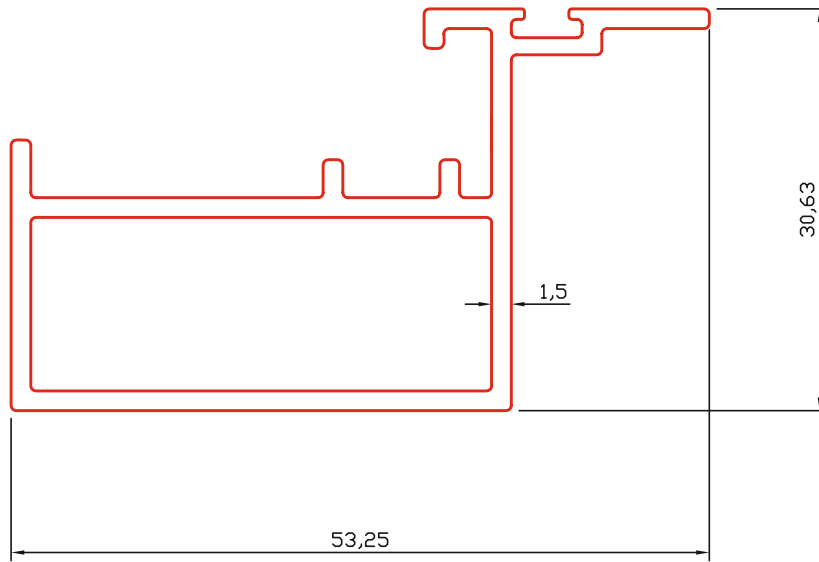
All dimensions are in mm.

Curtain Wall / Structure Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6406

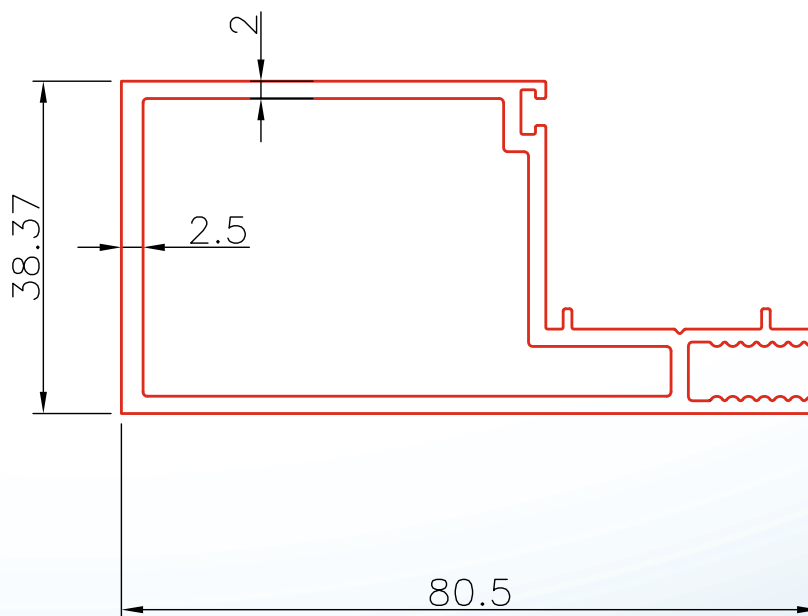
0.590 kg/m



SIDE CURTAIN WALL TOP

6412

1.220 kg/m



49 x 38.37 HALF CURTAIN WALL

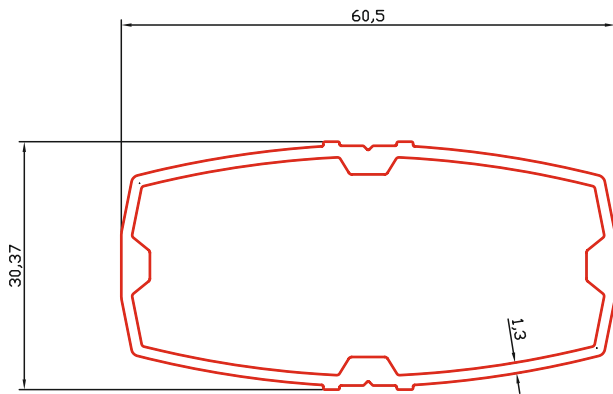
All dimensions are in mm.

Awning and Curtain Profiles

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6068

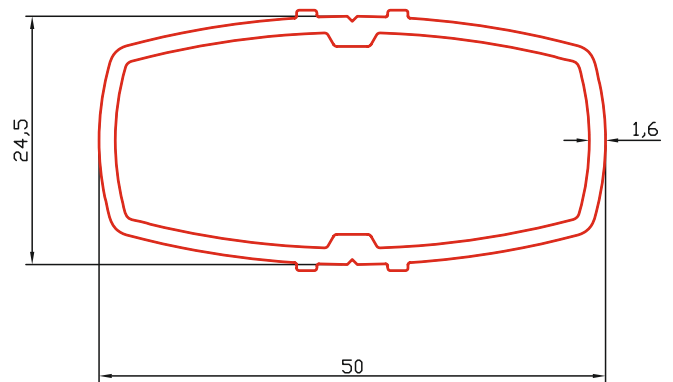
0.680 kg/m



2.75" x 1.75" AWNING RT

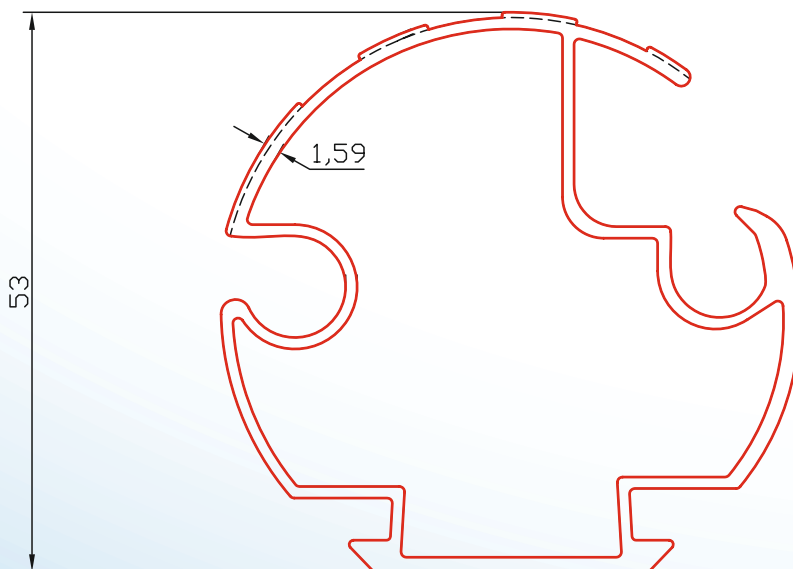
6069

Die No	Description	Weight (Kg/Meter)
6069	2"x1" Awning RT	0.710
6069	2"x1" Awning RT	0.634



2" x 1" AWNING RT

6171



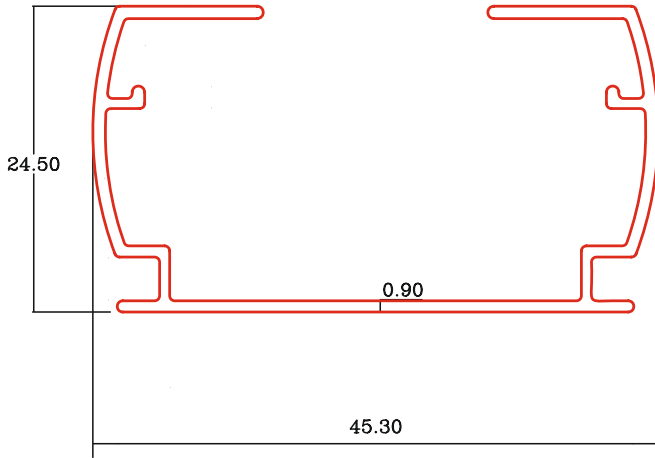
Die No	Description	Weight (Kg/Meter)
6171	Awning Round Tube	1.176
6171	Awning Round Tube	0.932
6171	Awning Round Tube	0.635

AWNING ROUND TUBE

Awning and Curtain Profiles

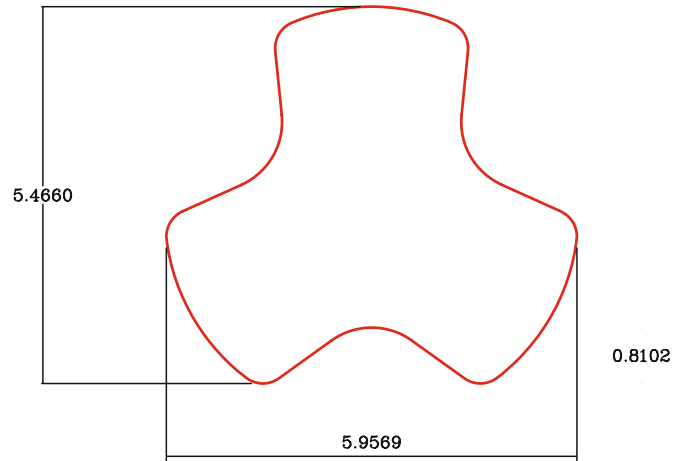
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6158 **0.310 kg/m**



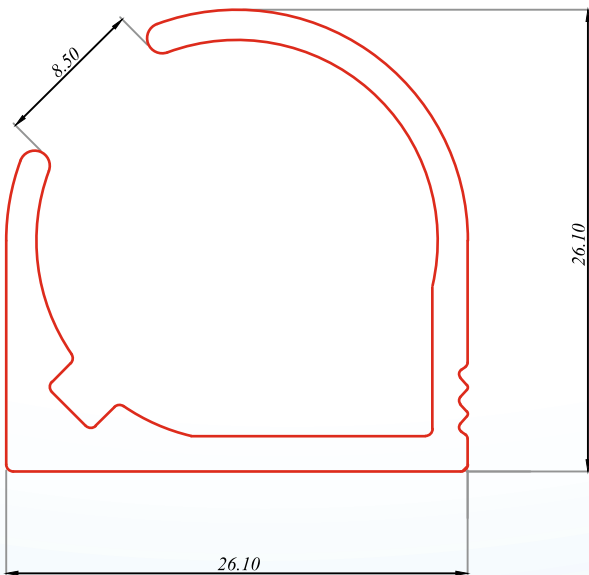
WINDOW HANGER

6159 **0.055 kg/m**



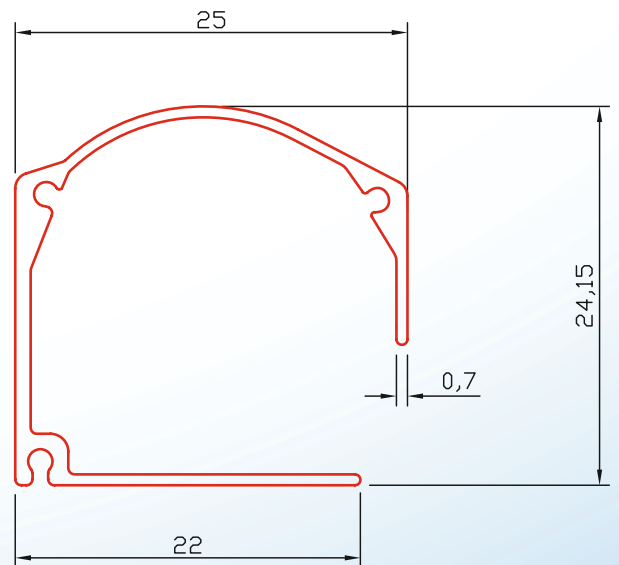
WINDOW HANGER ROD

6423 **0.427 kg/m**



TS-29-1439 **CAR CURTAIN**

6373 **0.179 kg/m**

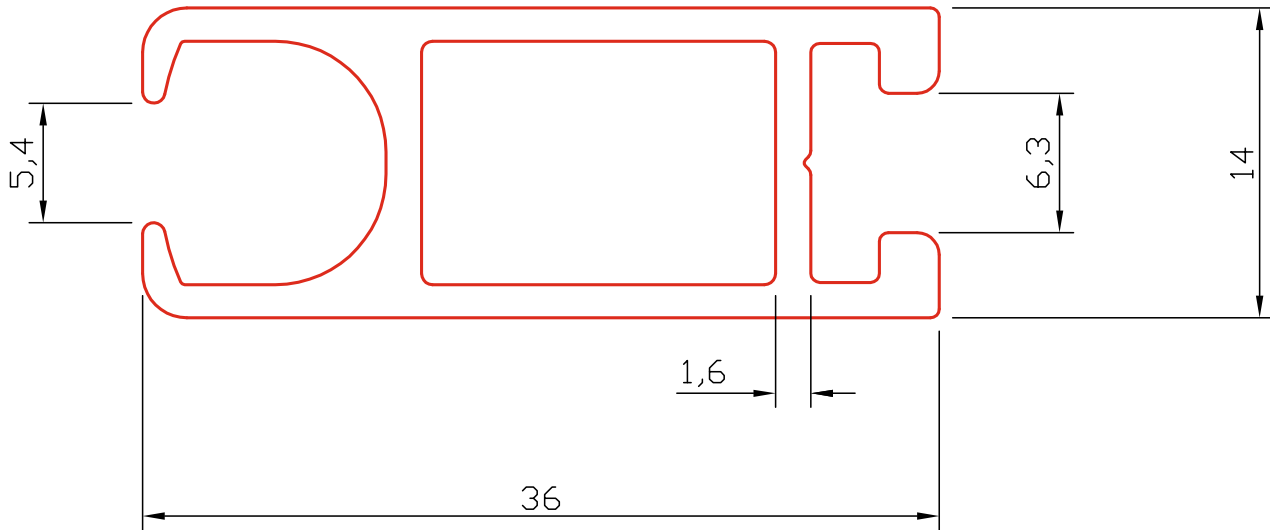
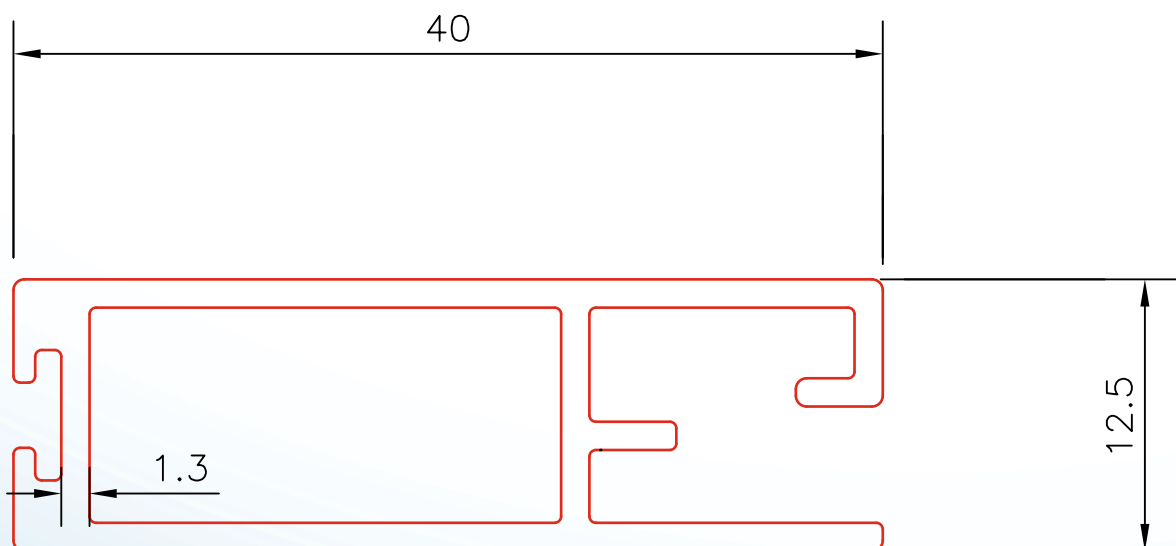


CAR CURTAIN

All dimensions are in mm.

Awning and Curtain Profiles

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

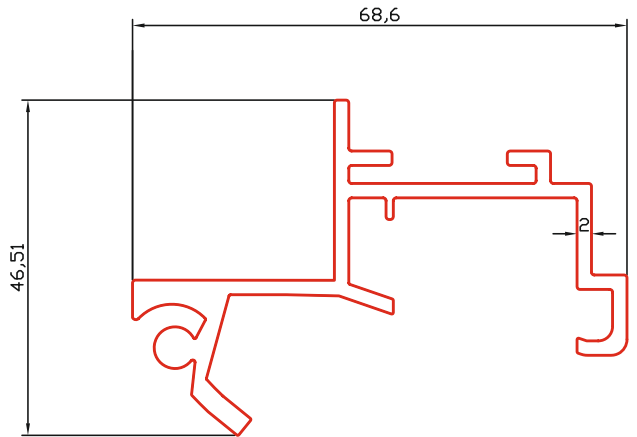
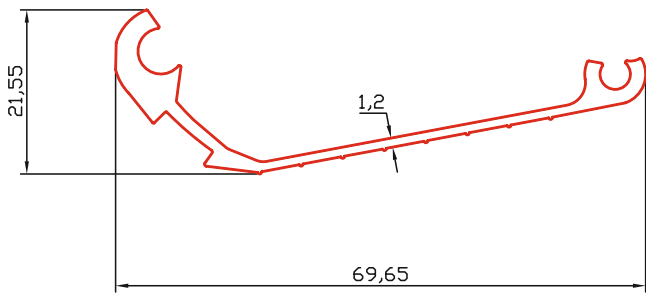
6287
0.483 kg/m

CURTAIN TRACK
6382
0.355 kg/m

CURTAIN BAR
All dimensions are in mm.

Hinged Series

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6187 **0.490 kg/m**

6188 **1.071 kg/m**

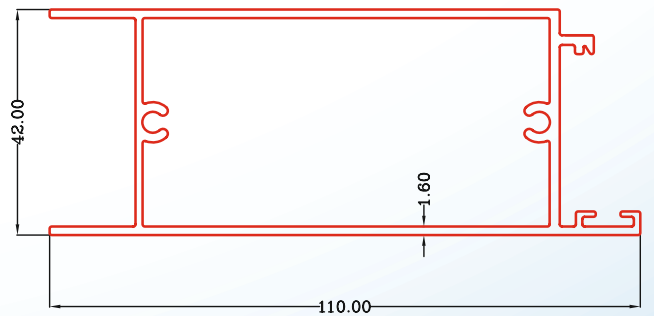
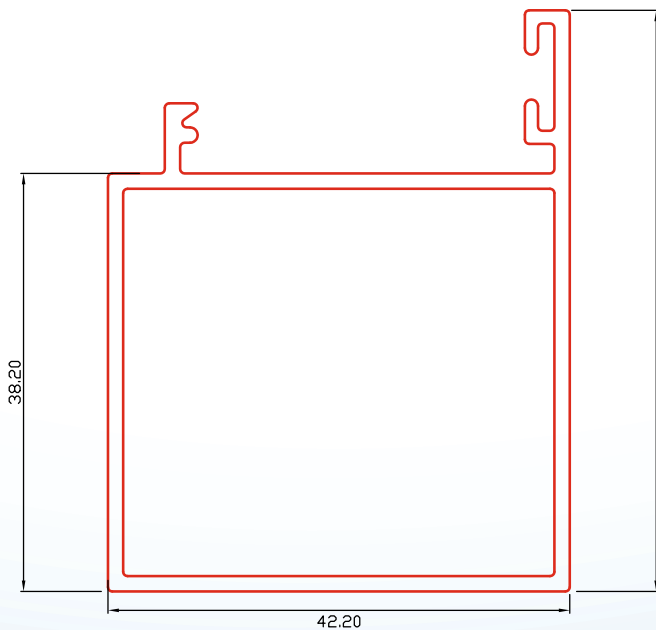


HINGE

HINGE COVER

7090 **0.765 kg/m**

6267 **1.395 kg/m**



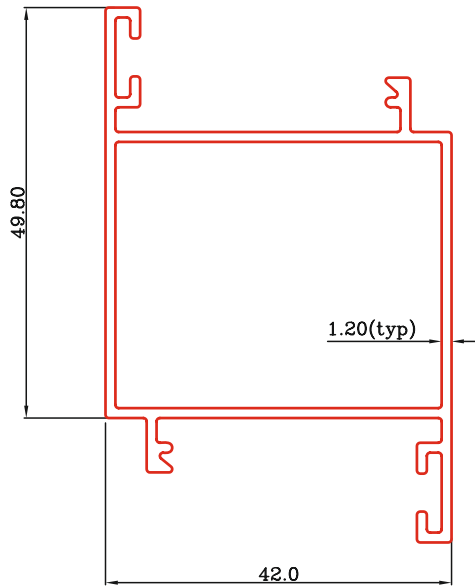
All dimensions are in mm.

Hinged Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7075

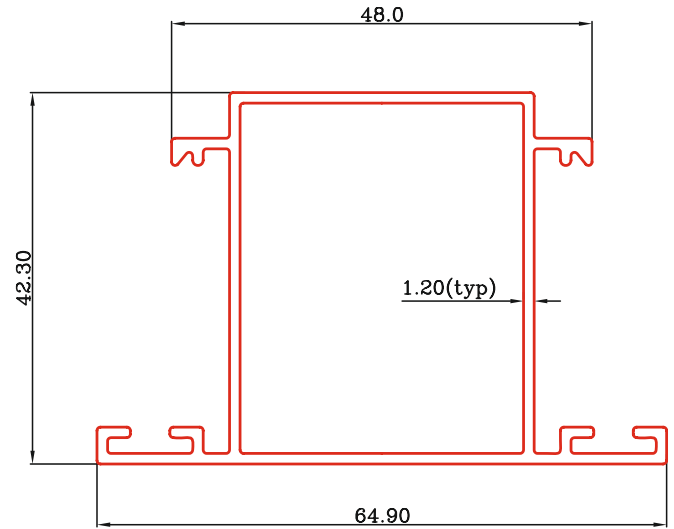
0.785 kg/m



SASH PROFILE

7077

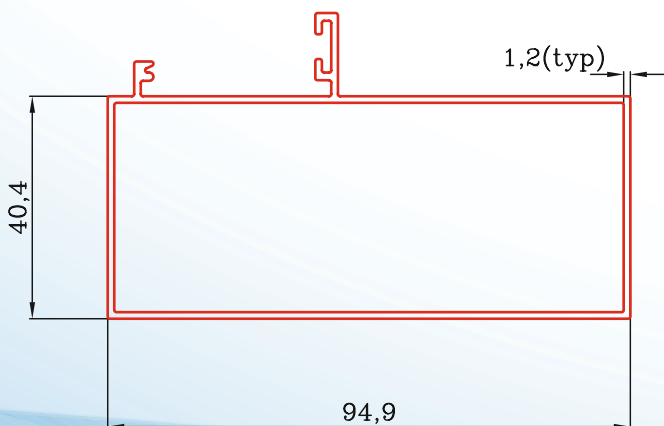
0.826 kg/m



T-PROFILE

7078

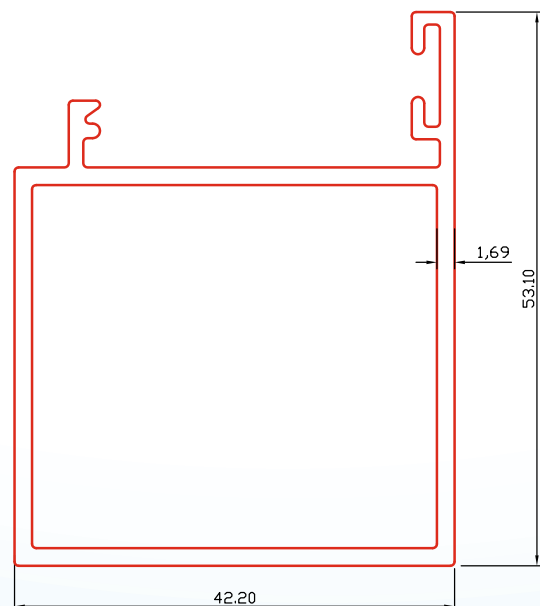
1.169 kg/m



FRAME PROFILE

7090

0.765 kg/m



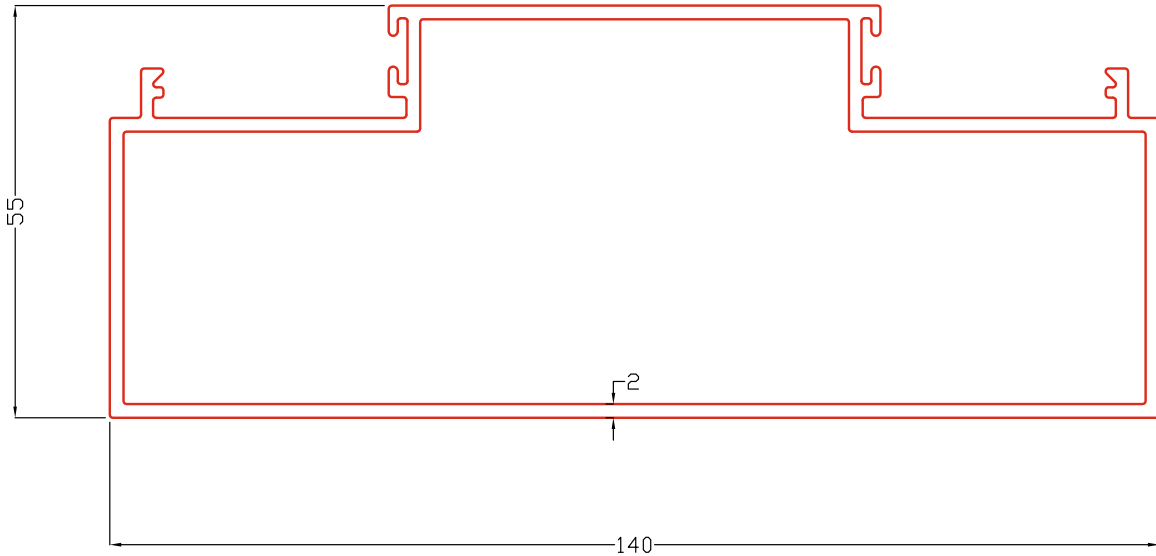
FRAME PROFILE

All dimensions are in mm.

Hinged Series

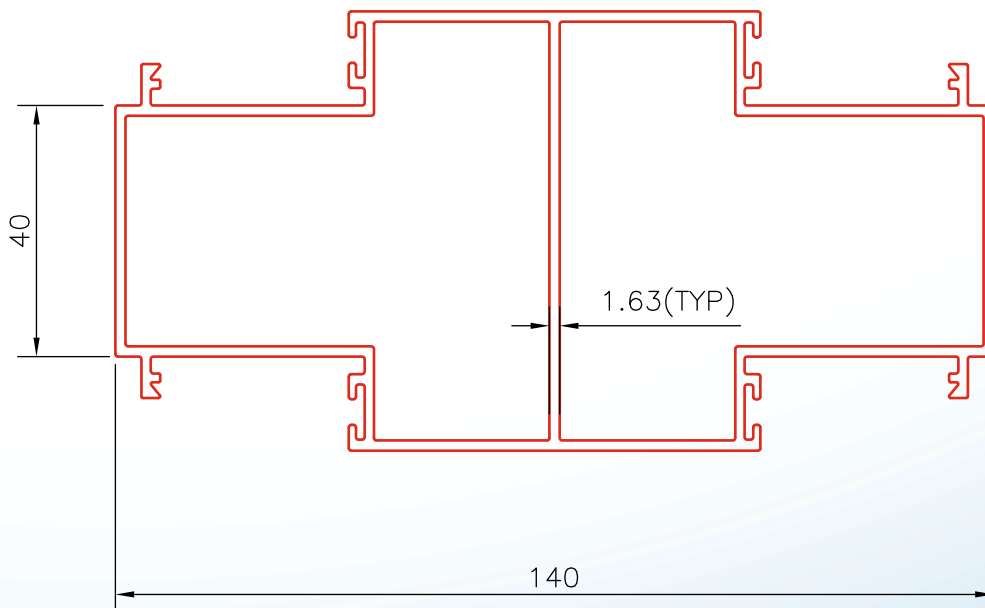
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

7041 **1.827 kg/m**



6" PATTAM

7042 **2.535 kg/m**



6" PATTAM DOUBLE

All dimensions are in mm.

Hinged Series

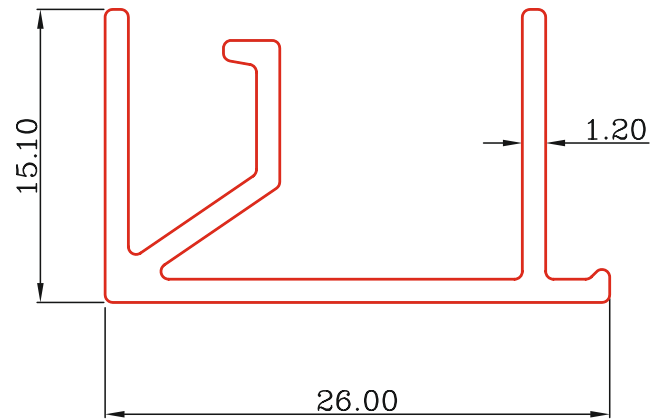
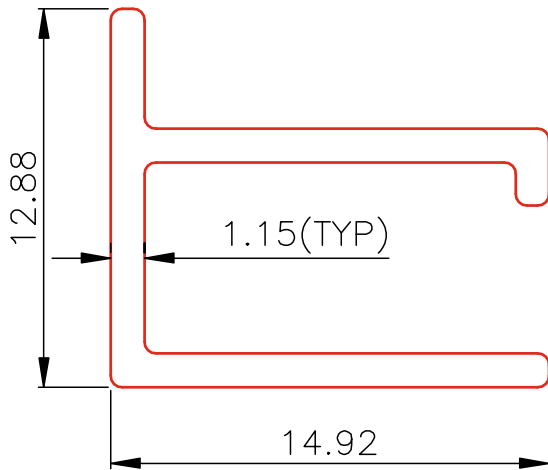
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7040

0.131 kg/m

7074

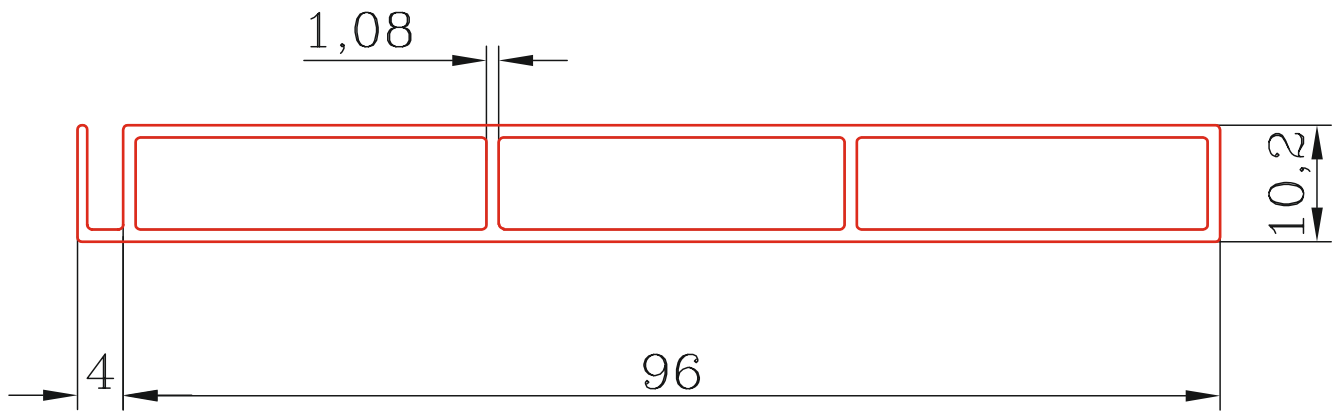
0.226 kg/m



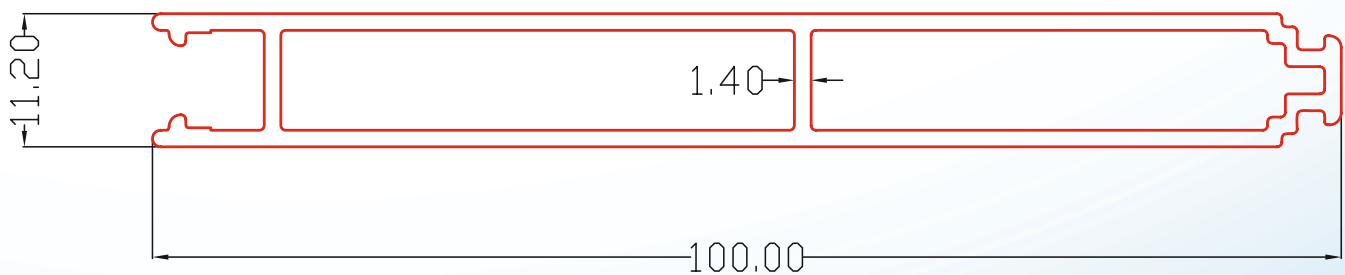
BEADING

Kick Plates Panneling

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6223
0.325 kg/m

KICK PLATE
6224

Die No	Description	Weight (Kg/Meter)
6224	Kick Plate	0.644
6224	Kick Plate	0.634

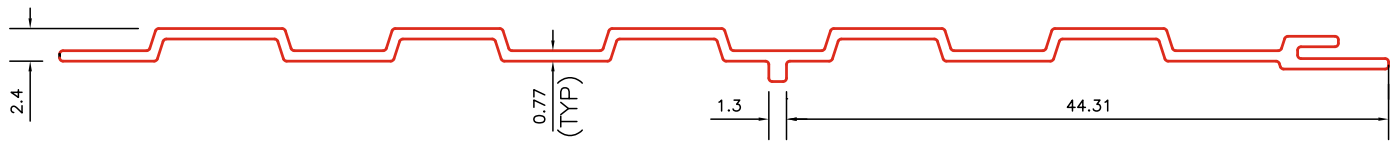

KICK PLATE
All dimensions are in mm.

Kick Plates Panneling

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6374

0.199 kg/m

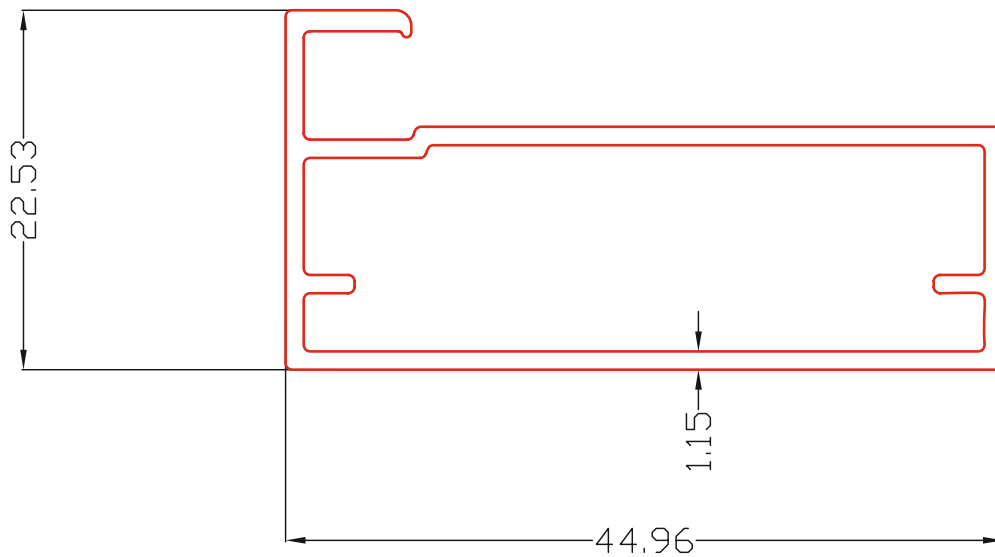


KICK PLATE

Kitchen Profile

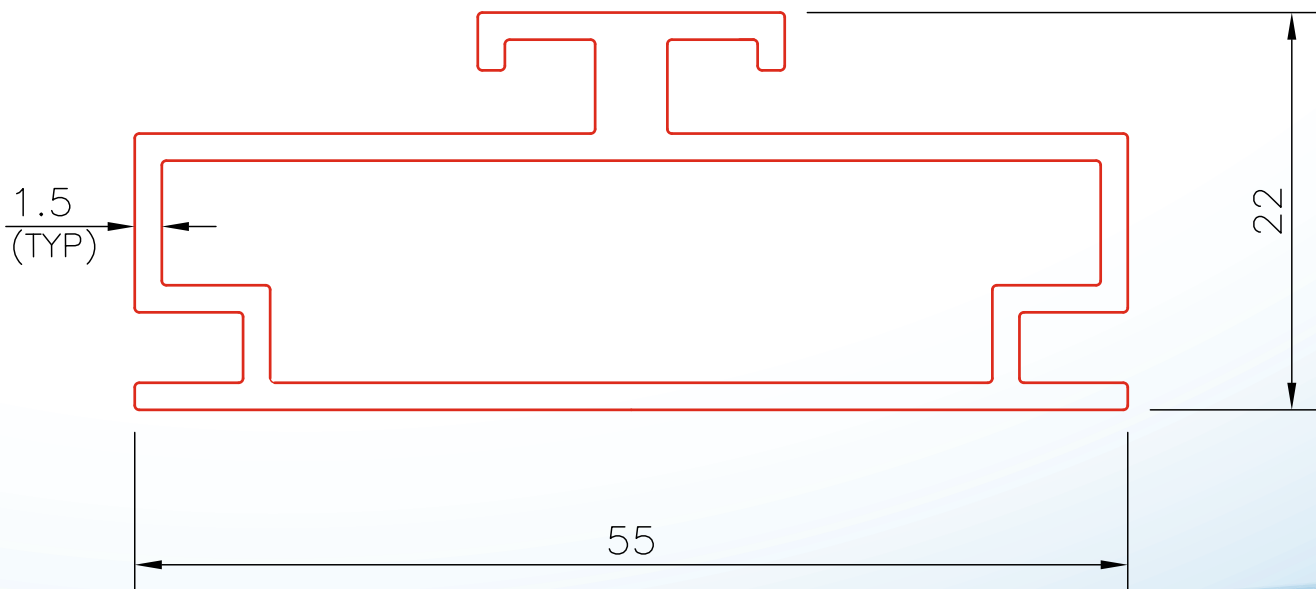
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6268 **0.425 kg/m**



1.75" x 1" KITCHEN SECTION

6422 **0.732 kg/m**



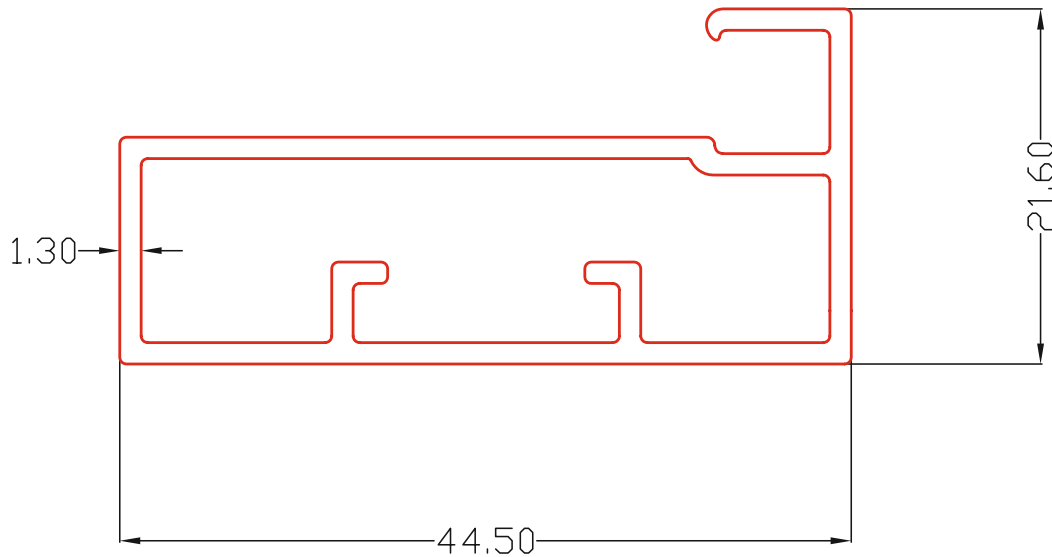
KITCHEN CABINET PROFILE

All dimensions are in mm.

Kitchen Profile

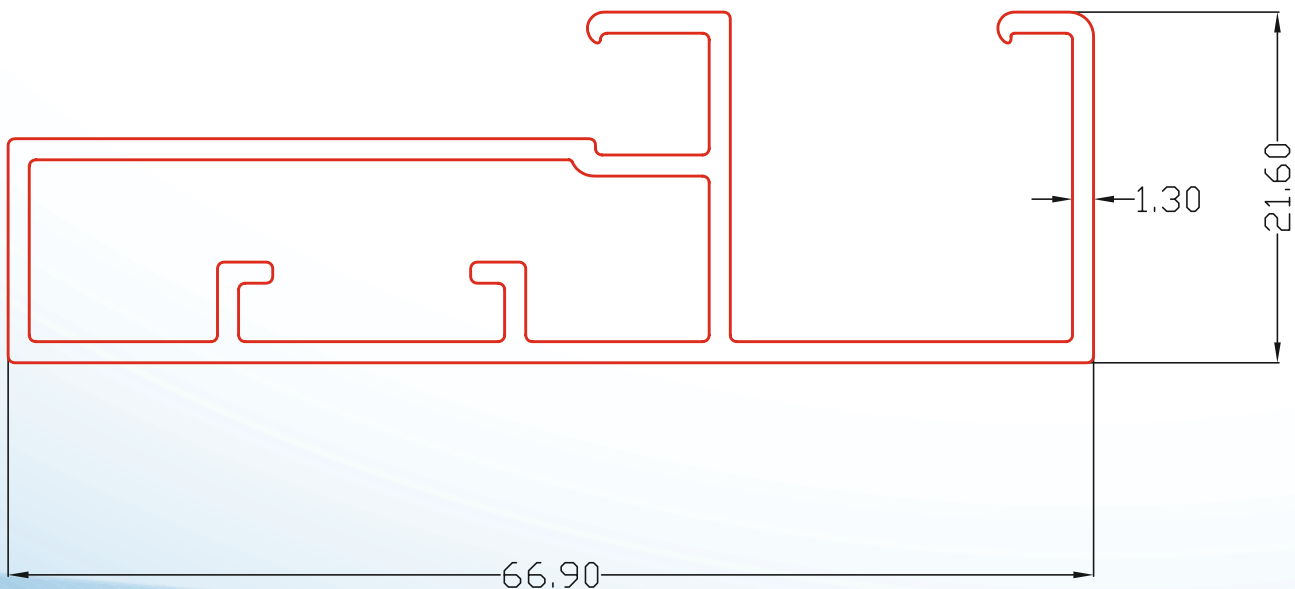
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6282 **0.481 kg/m**



1.75" x 1" KITCHEN SECTION

6283 **0.643 kg/m**



2.5" x 1" KITCHEN SECTION

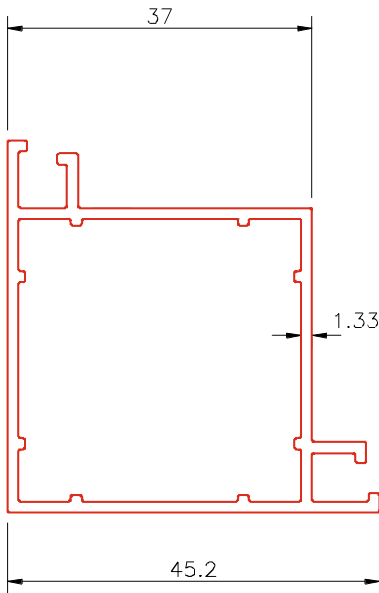
All dimensions are in mm.

Kitchen Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

7092/B

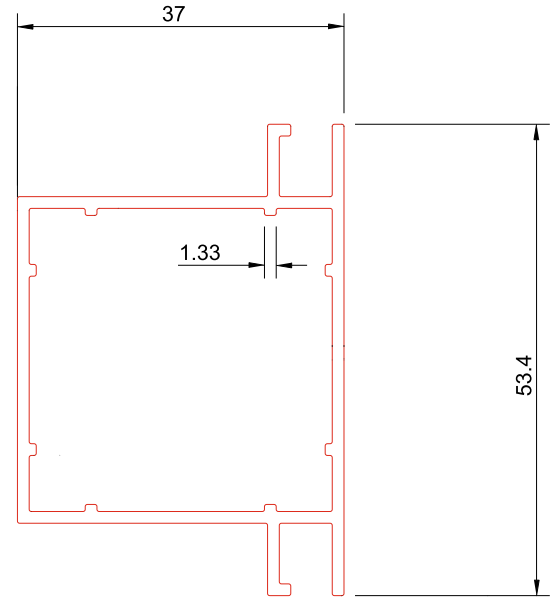
0.650 kg/m



1.5" SQUARE KITCHEN

7093/B

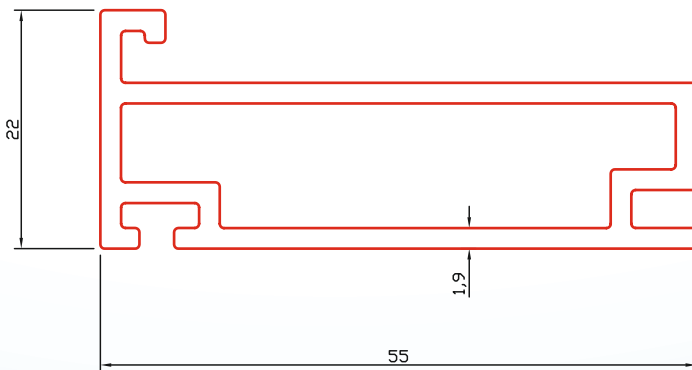
0.660 kg/m



1.5" SQUARE KITCHEN

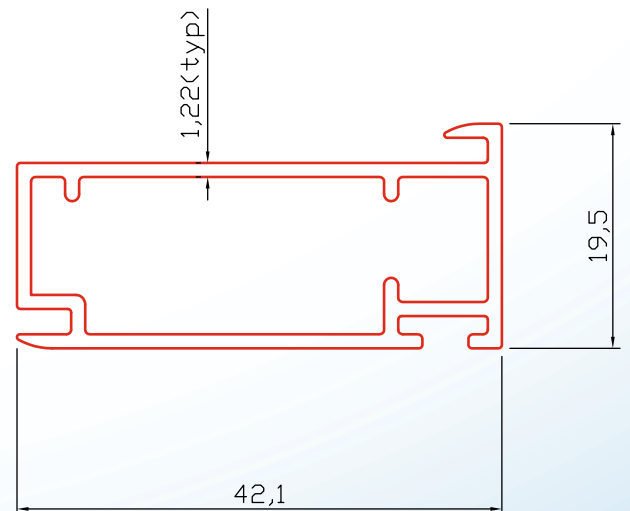
6309

0.860 kg/m



6361

0.415 kg/m



1.75" x 0.75" KITCHEN SECTION

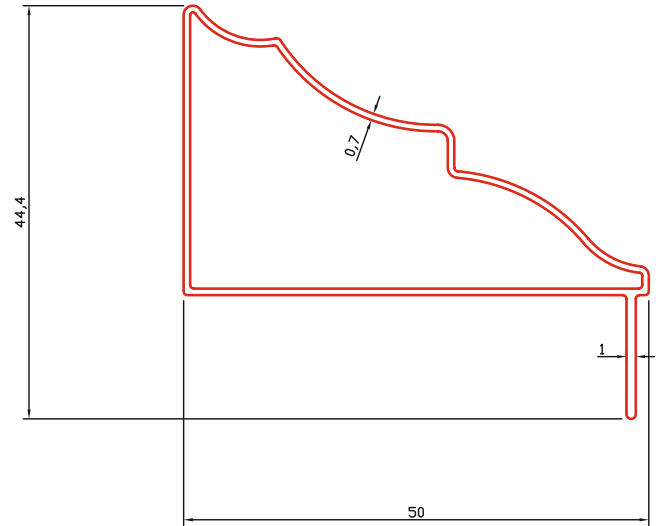
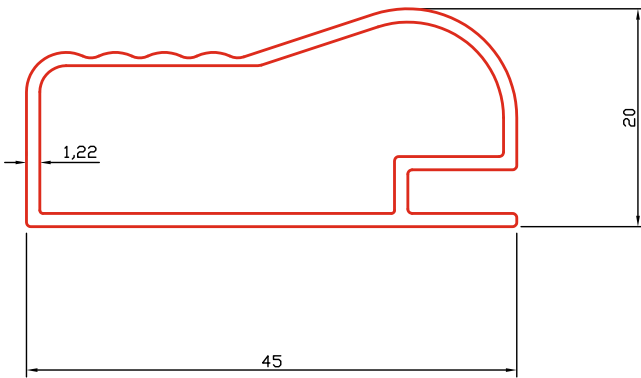
All dimensions are in mm.

Kitchen Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6362 **0.400 kg/m**

6363 **0.279 kg/m**

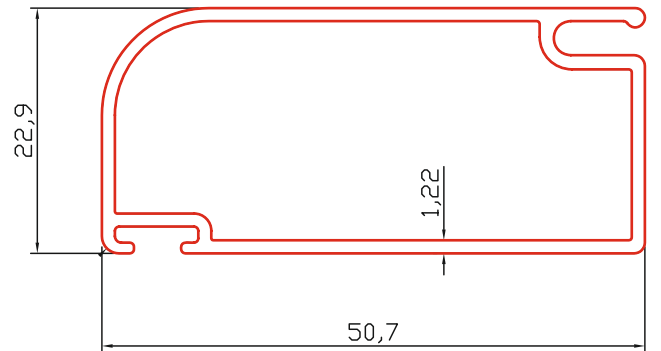
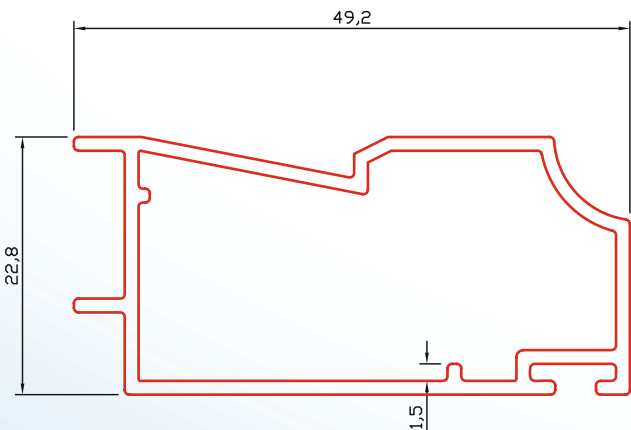


1.75" x 0.75" KITCHEN MOULDING

2" x 1.75" KITCHEN MOULDING

6364 **0.454 kg/m**

6365 **0.465 kg/m**



1.75" x 1" KITCHEN SECTION

2" x 1" KITCHEN SECTION

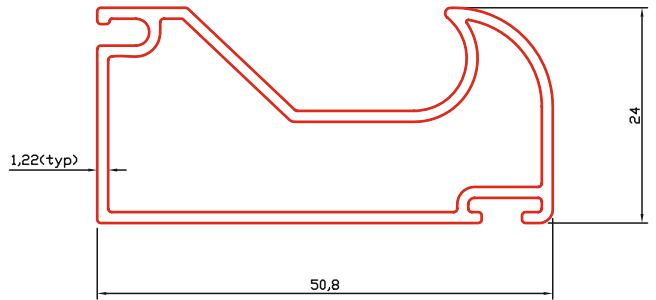
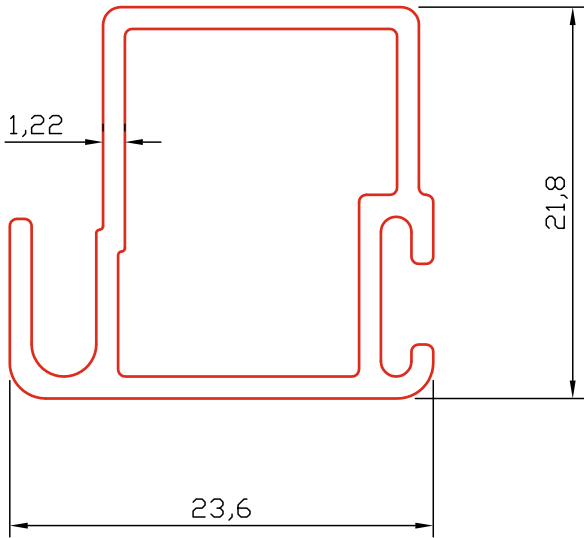
All dimensions are in mm.

Kitchen Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6366 **0.297 kg/m**

6367 **0.520 kg/m**

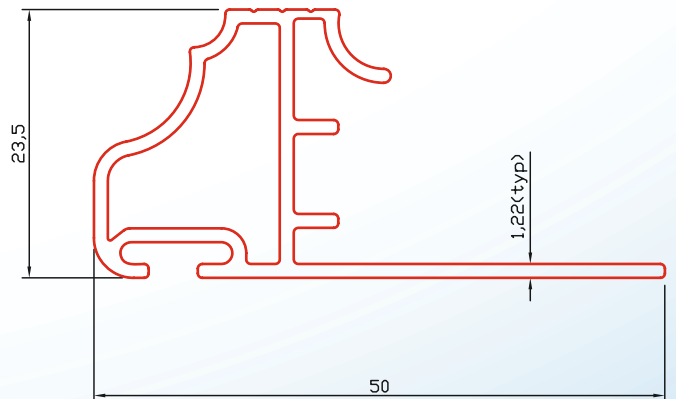
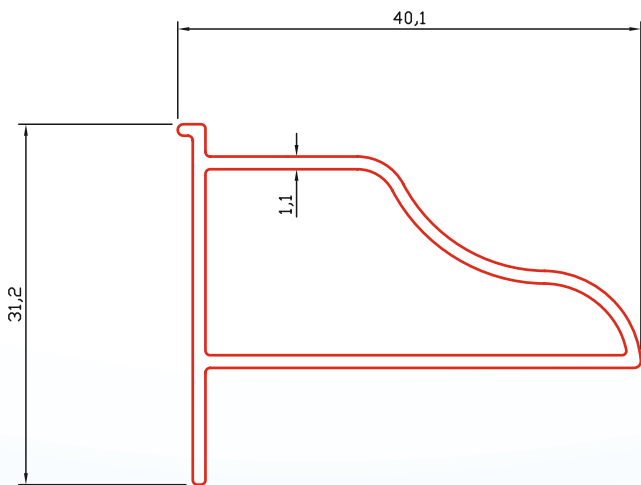


1 x 1" KITCHEN SECTION

2" x 1" KITCHEN SECTION

6368 **0.329 kg/m**

6369 **0.401 kg/m**



1.5" x 1.25" KITCHEN MOULDING

2" x 1" KITCHEN MOULDING

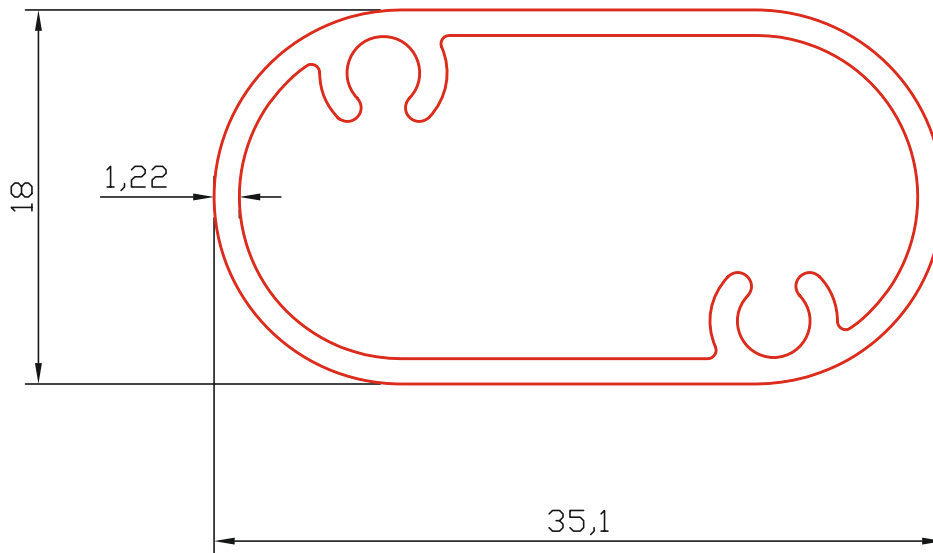
All dimensions are in mm.

Kitchen Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6371

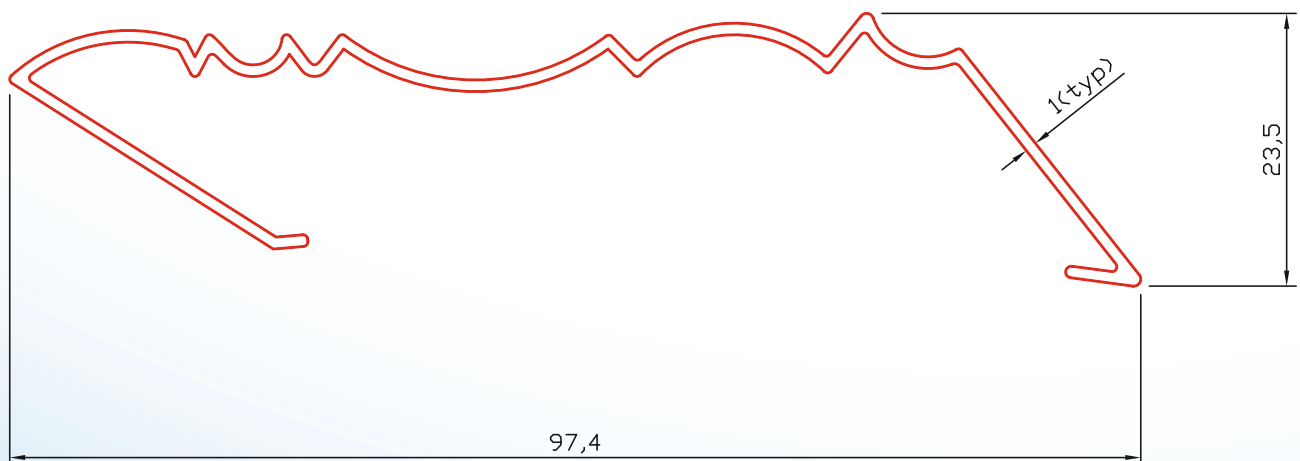
0.336 kg/m



1.5" x 0.75" KITCHEN SECTION

6372

0.374 kg/m



4" x 1" KITCHEN HANDLE

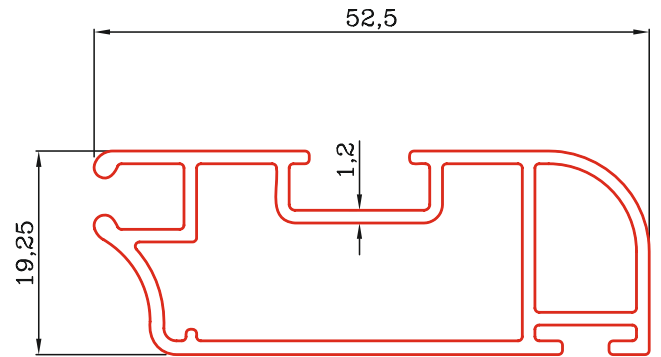
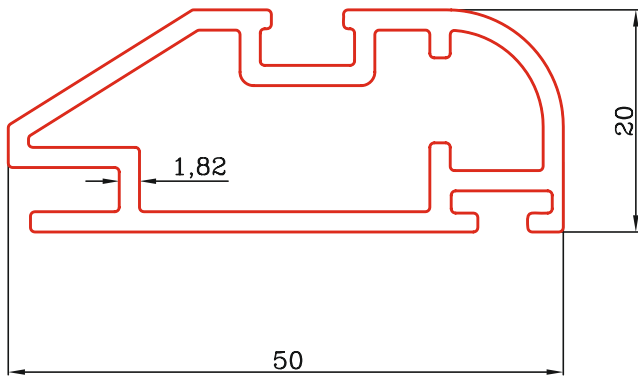
All dimensions are in mm.

Kitchen Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

7072 **0.59 kg/m**

7073 **0.59 kg/m**

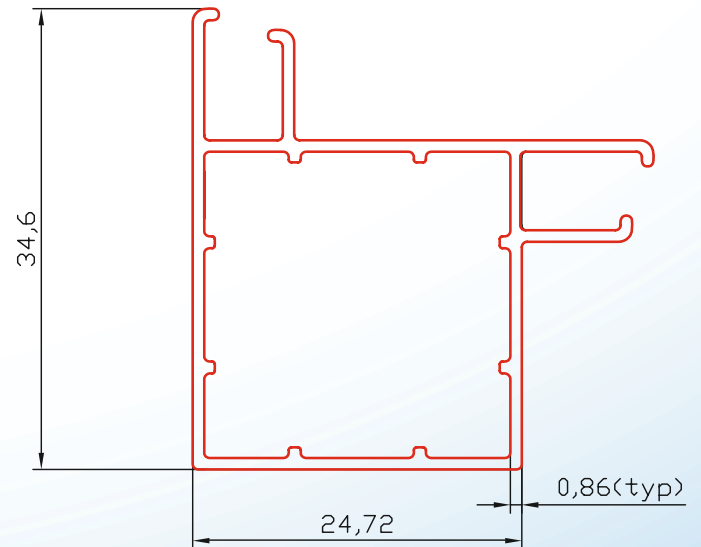
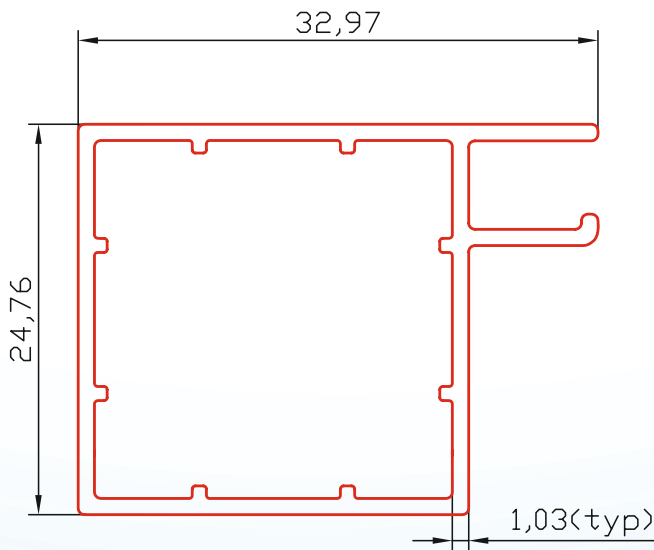


2" x 0.75" KITCHEN TAPER

2" x 0.75" KITCHEN ROUND

7091 **0.341 kg/m**

7092 **0.328 kg/m**



1" x 1" SQUARE KITCHEN

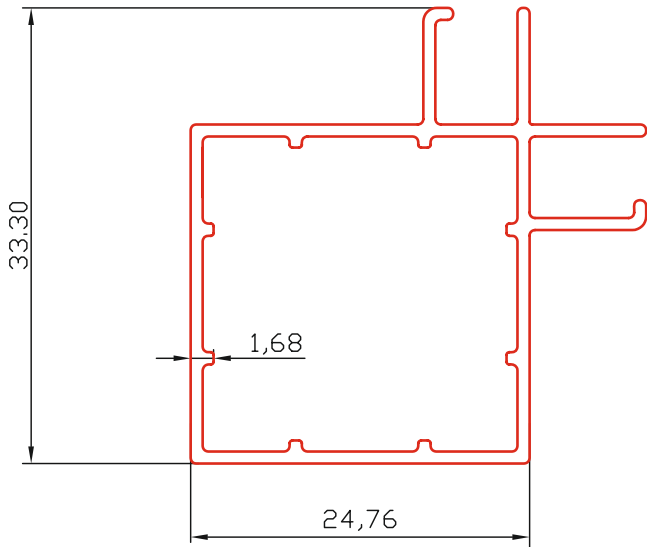
1" x 1" SQUARE KITCHEN

All dimensions are in mm.

Kitchen Profile

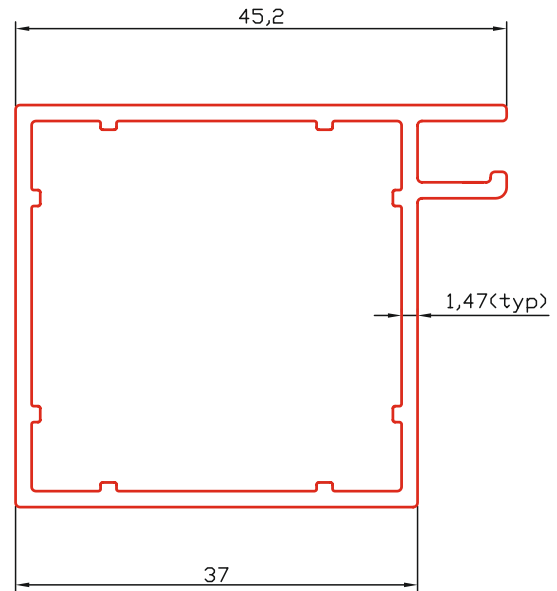
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7093 **0.328 kg/m**



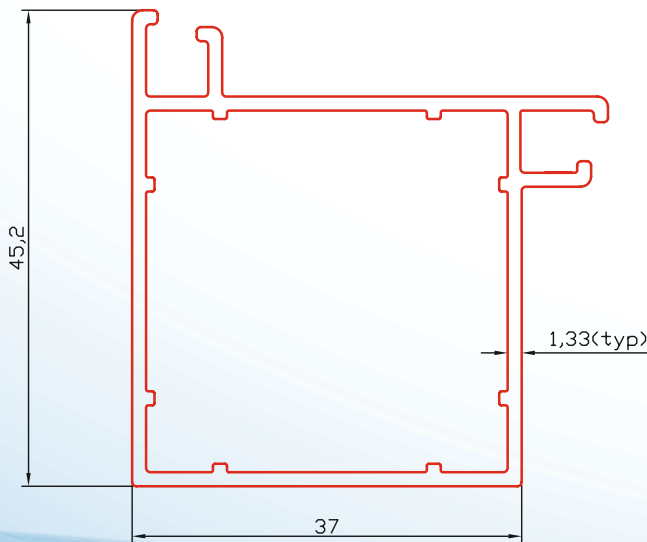
1" x 1" SQUARE KITCHEN

7091/A **0.634 kg/m**



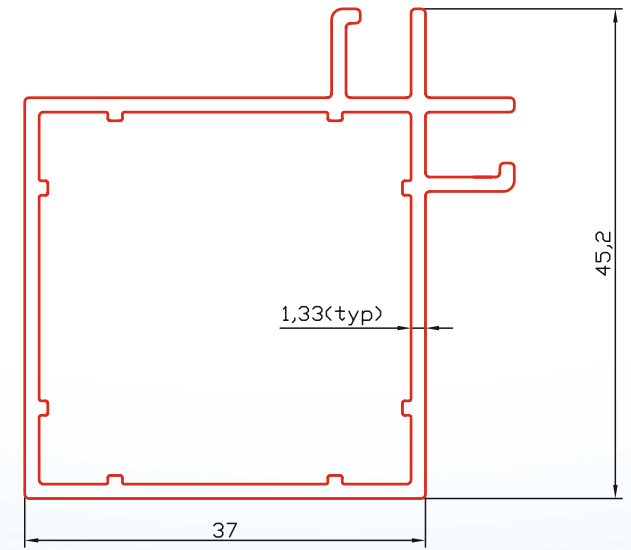
1.5" SQUARE KITCHEN

7092/A **0.634 kg/m**



1.5" SQUARE KITCHEN

7093/A **0.634 kg/m**

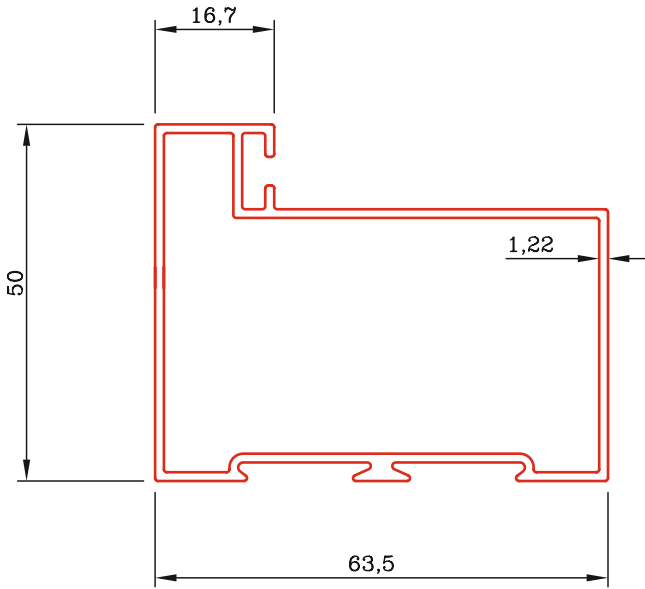


1.5" SQUARE KITCHEN

All dimensions are in mm.

Pattam Series

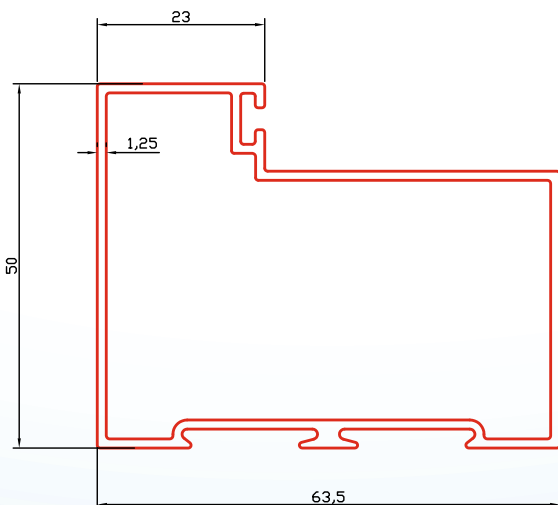
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6006


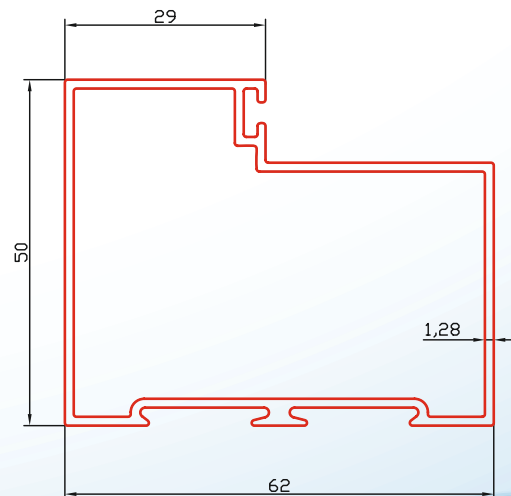
Die No	Description	Weight (Kg/Meter)
6006	2.5" x 1.75" Pattam	0.888
6006	2.5" x 1.75" Pattam	0.903
6006	2.5" x 1.75" Pattam	1.100
6006	2.5" x 1.75" Pattam	1.122
6006	2.5" x 1.75" Pattam	1.327

2.5" x 1.75" PATTAM
6009

Die No	Description	Weight (Kg/Meter)
6009	2.5" x 1.5" Pattam	0.896
6009	2.5" x 1.5" Pattam	1.153


2.5" x 1.5" PATTAM
6010

Die No	Description	Weight (Kg/Meter)
6010	2.5" x 1.25" Pattam	0.873
6010	2.5" x 1.25" Pattam	1.081


2.5" x 1.25" PATTAM

All dimensions are in mm.

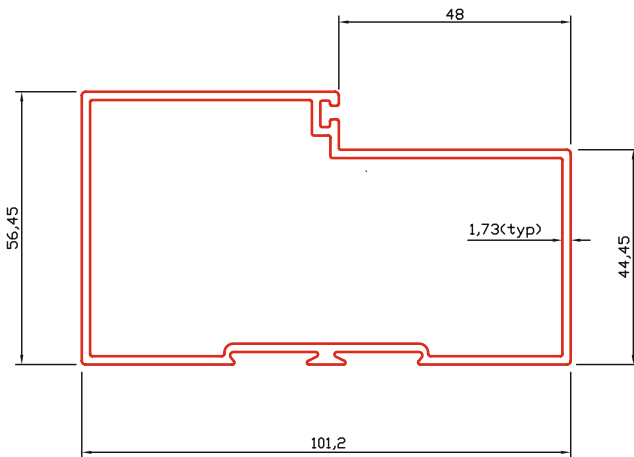
Pattam Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6015

1.977 kg/m

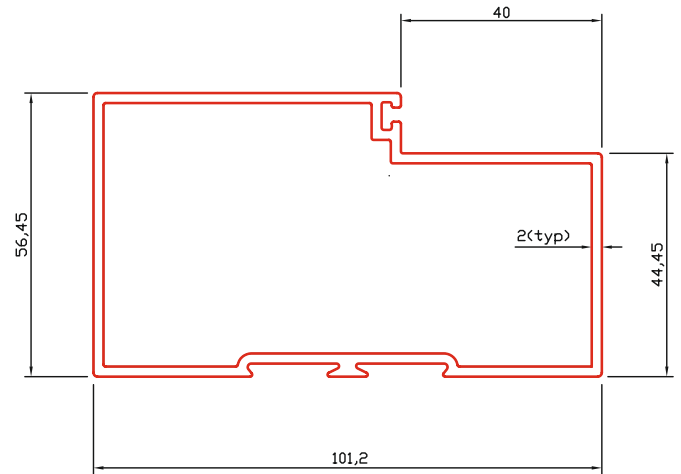
Die No	Description	Weight (Kg/Meter)
6015	4" x 1.75" Pattam	1.977
6015	4" x 1.75" Pattam	1.583



4" x 1.75" PATTAM

6017

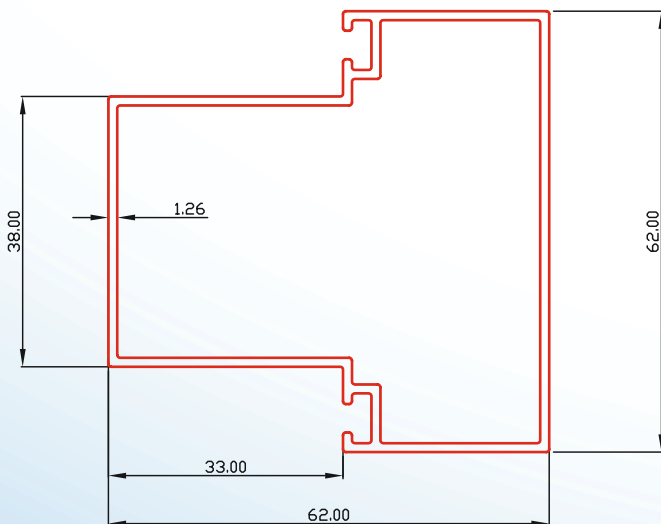
1.758 kg/m



4" x 1.5" PATTAM

6019

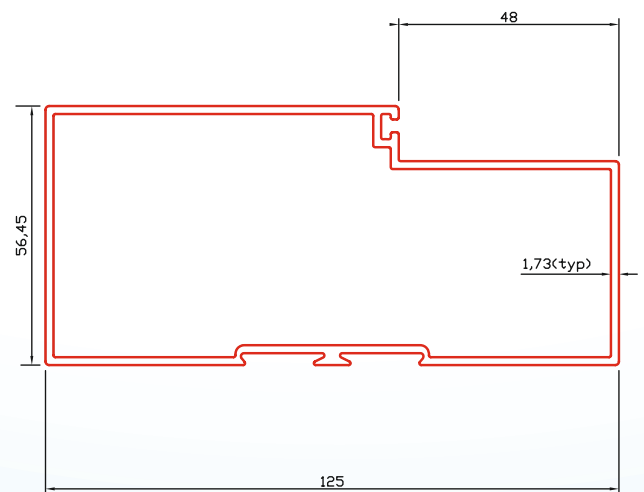
0.824 kg/m



2.5" x 1.25" PATTAM DOUBLE

6020

1.754 kg/m

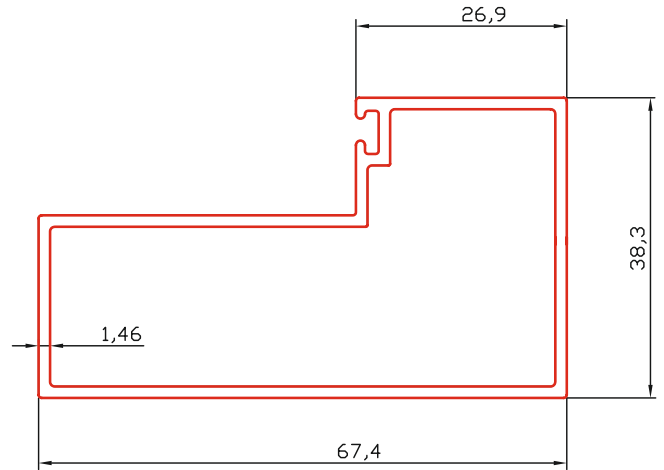
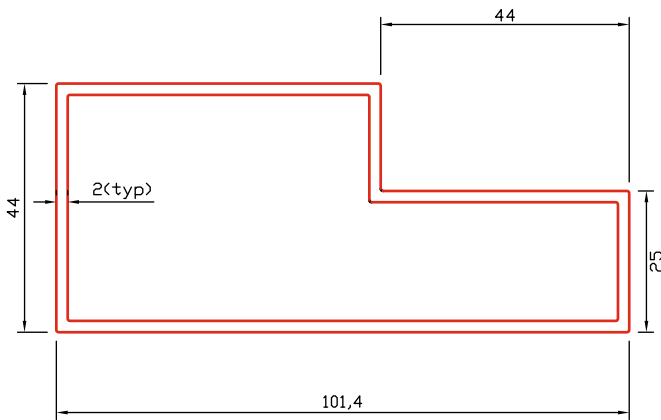


5" x 1.75" PATTAM

All dimensions are in mm.

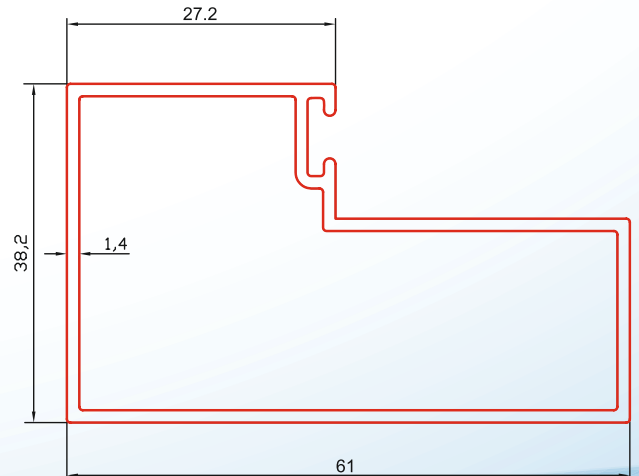
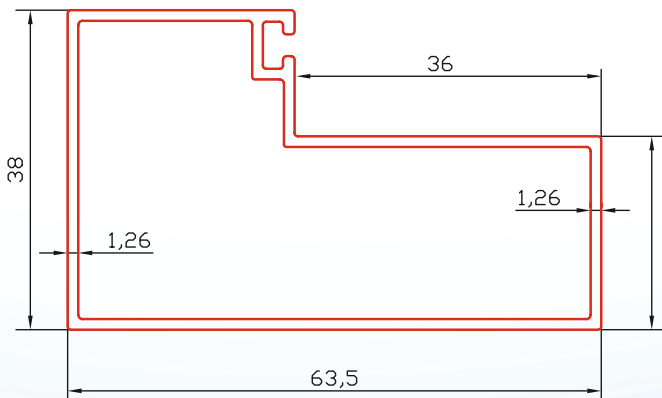
Pattam Series

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6153 **1.454 kg/m**
6175 **1.129 kg/m**

4" x 1.75" L TUBE PATTAM
2.75" x 1.5" L PATTAM
6176 **0.667 kg/m**
6178 **0.882 kg/m**

Die No	Description	Weight (Kg/Meter)
6176	2.5" x 1.5" L Pattam	0.667
6176	2.5" x 1.5" L Pattam	1.057

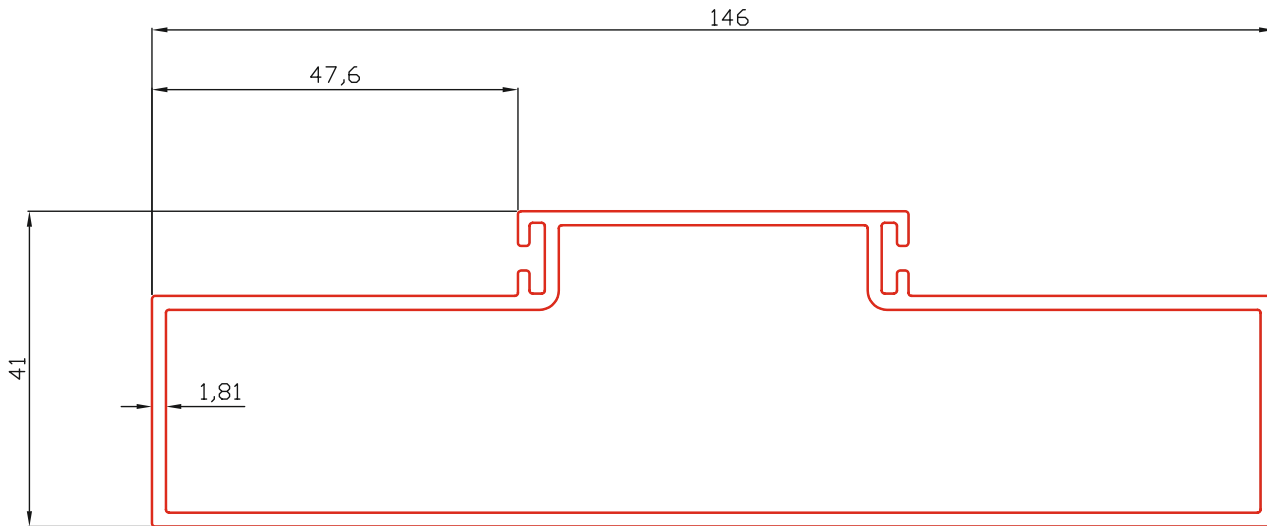
Die No	Description	Weight (Kg/Meter)
6178	2.5" x 1.25" Single Pattam	0.882
6178	2.5" x 1.25" Single Pattam	0.705


2.5" x 1.5" L PATTAM
2.5" x 1.25" SINGLE PATTAM
All dimensions are in mm.

Pattam Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

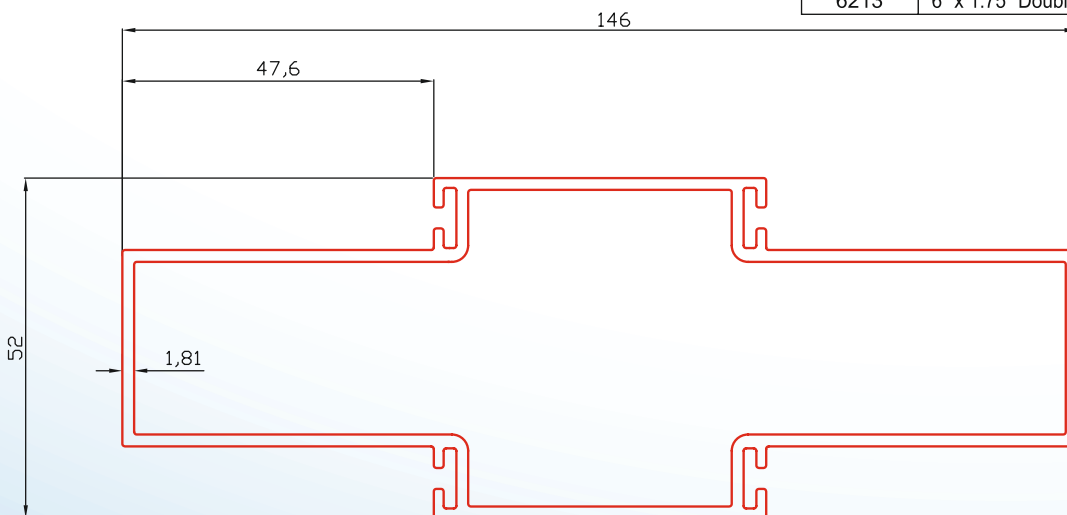
6212 **1.812 kg/m**



6" x 1.75" SINGLE PATTAM

6213

Die No	Description	Weight (Kg/Meter)
6213	6" x 1.75" Double Pattam	2.100
6213	6" x 1.75" Double Pattam	2.144

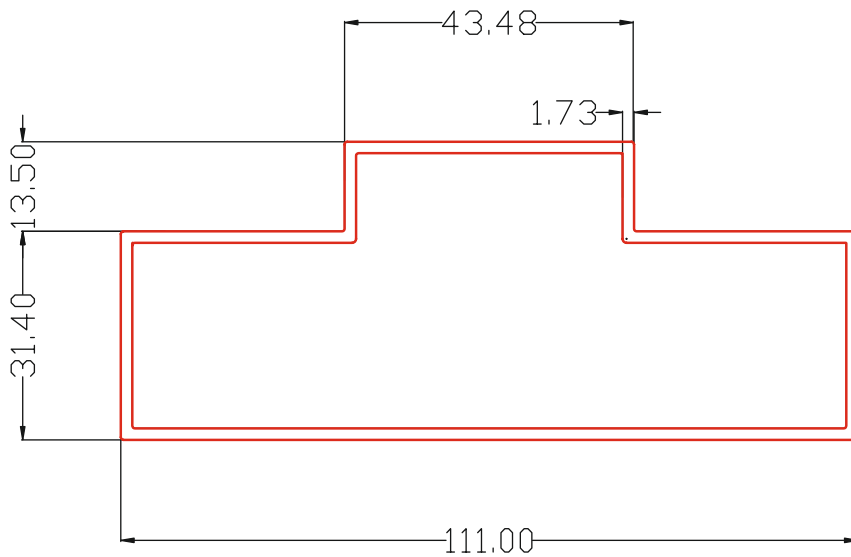


6" x 1.75" DOUBLE PATTAM

All dimensions are in mm.

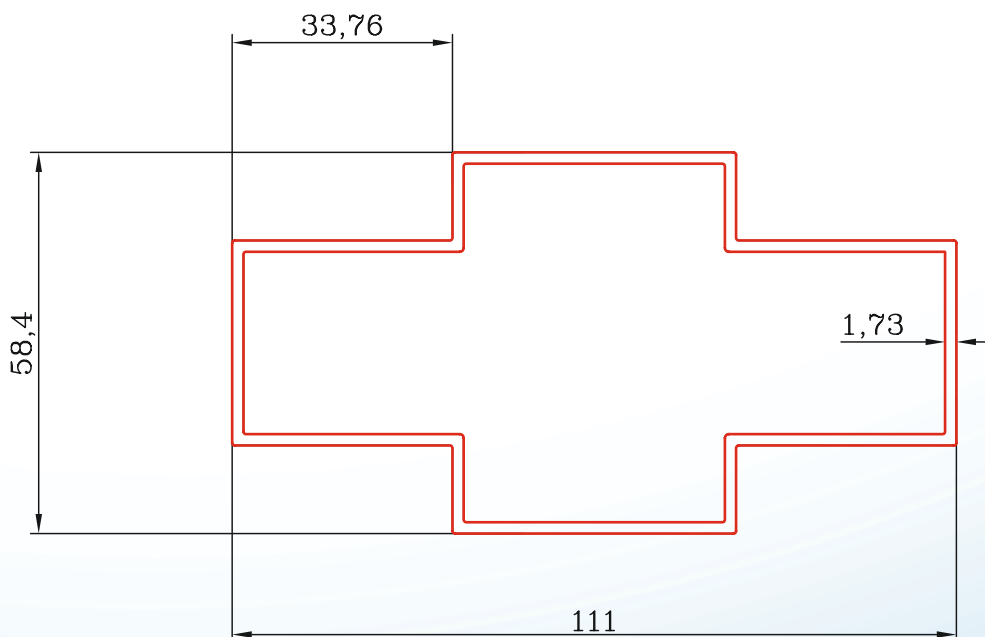
Pattam Series

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6222


Die No	Description	Weight (Kg/Meter)
6222	4.5" x 1.25" Plain Pattam	1.436
6222	4.5" x 1.25" Plain Pattam	1.725

4.5" x 1.25" PLAIN PATTAM

6275
1.810 kg/m


4.5" x 1.75" PLAIN PATTAM DOUBLE

All dimensions are in mm.

Pattam Series

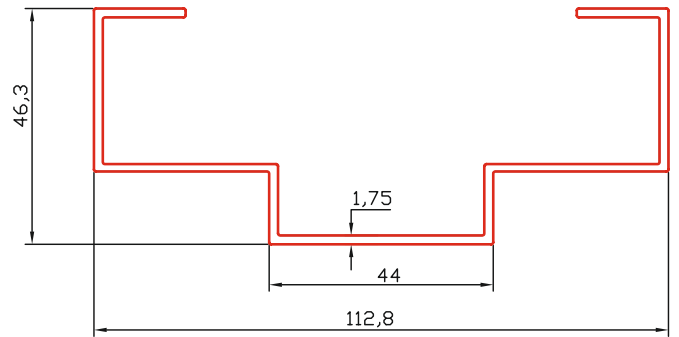
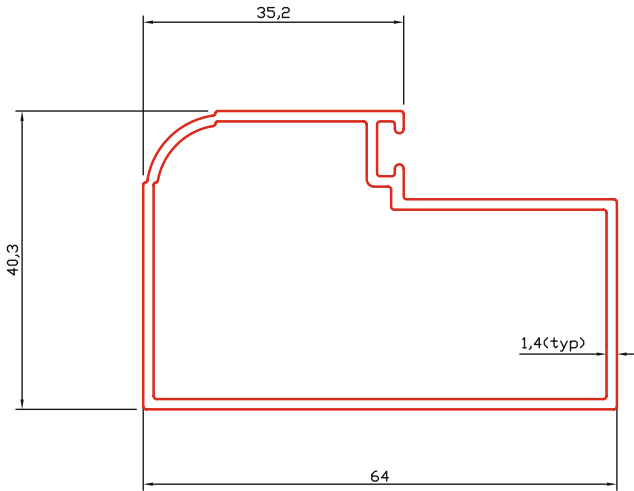
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6298

0.715 kg/m

7013

1.149 kg/m

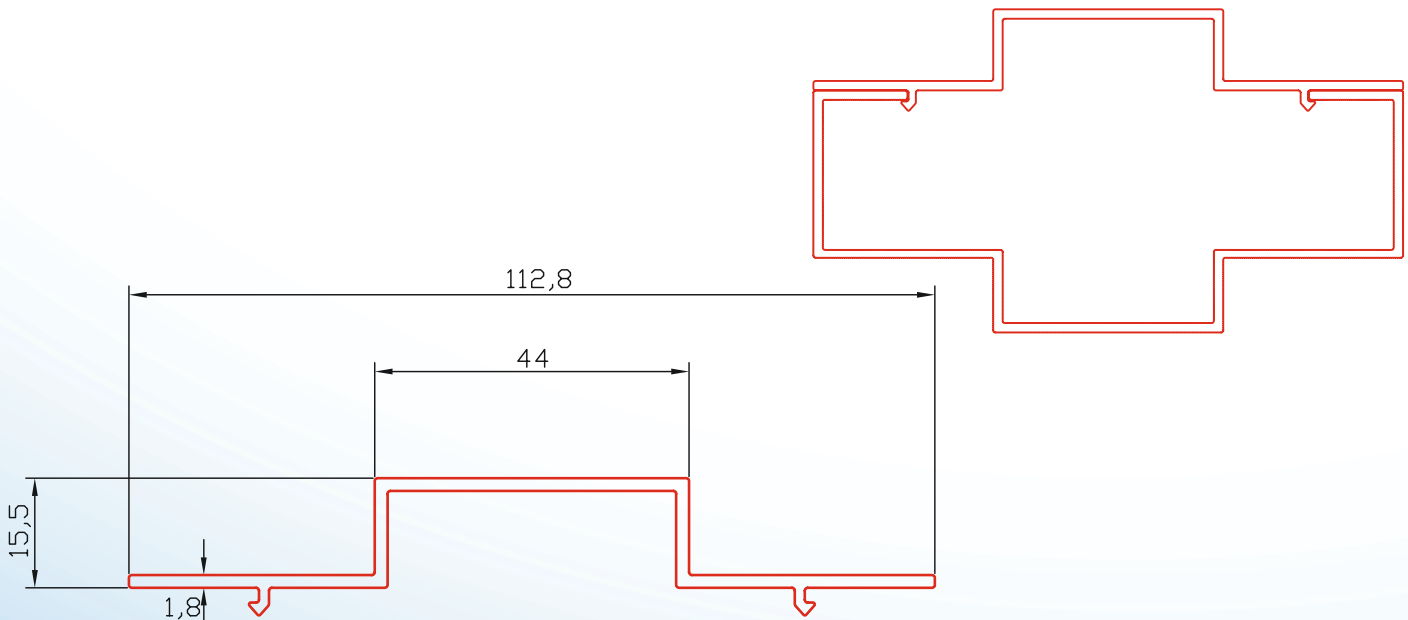


2.5" x 1.15" L PATTAM

4.5" x 1.25" PLAIN PATTAM

7014

0.670 kg/m



4.5" x 1.25" PLAIN PATTAM COVER

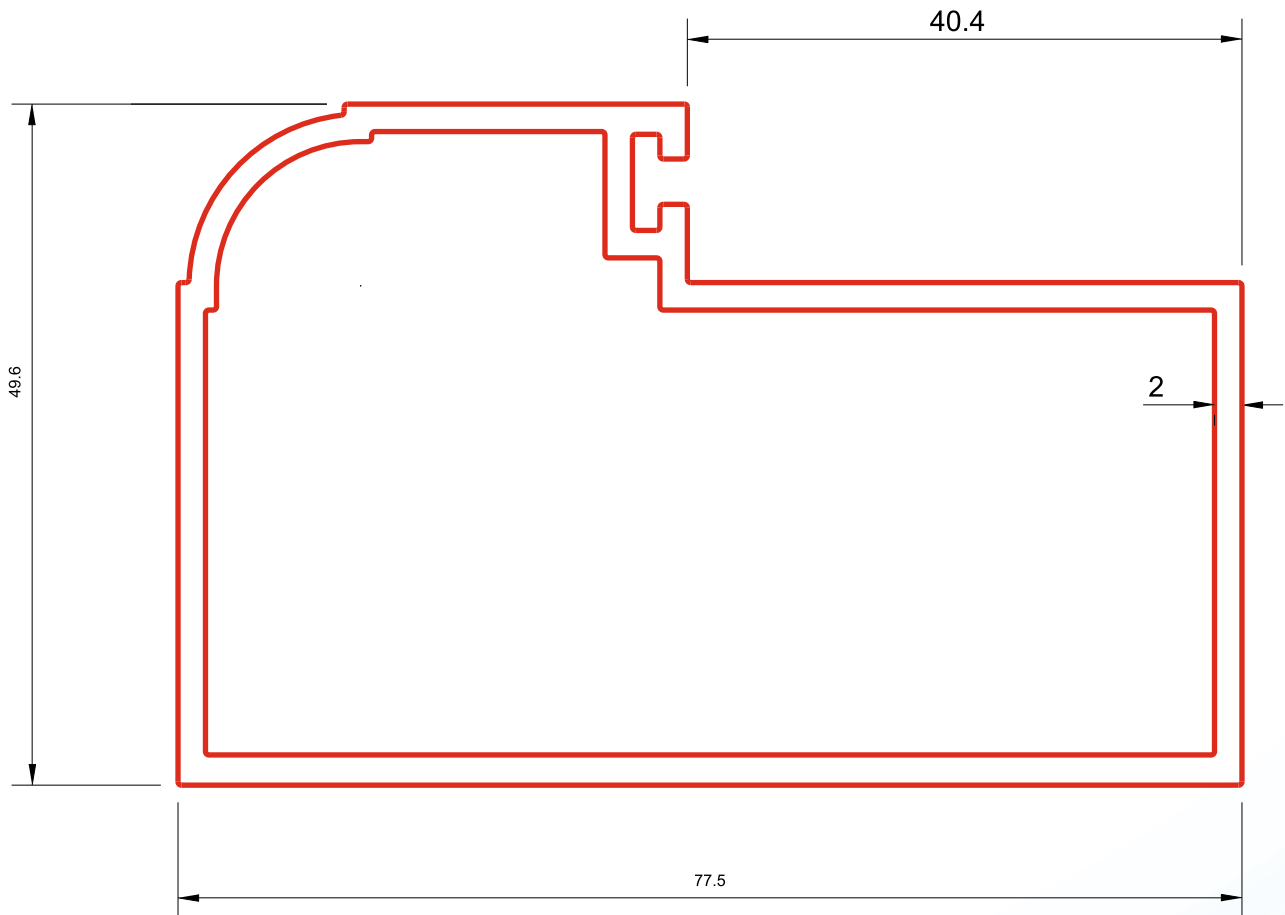
All dimensions are in mm.

Pattam Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6155

Die No	Description	Weight (Kg/Meter)
6155	3" x 2" Pattam	1.112
6155	3" x 2" Pattam	1.386

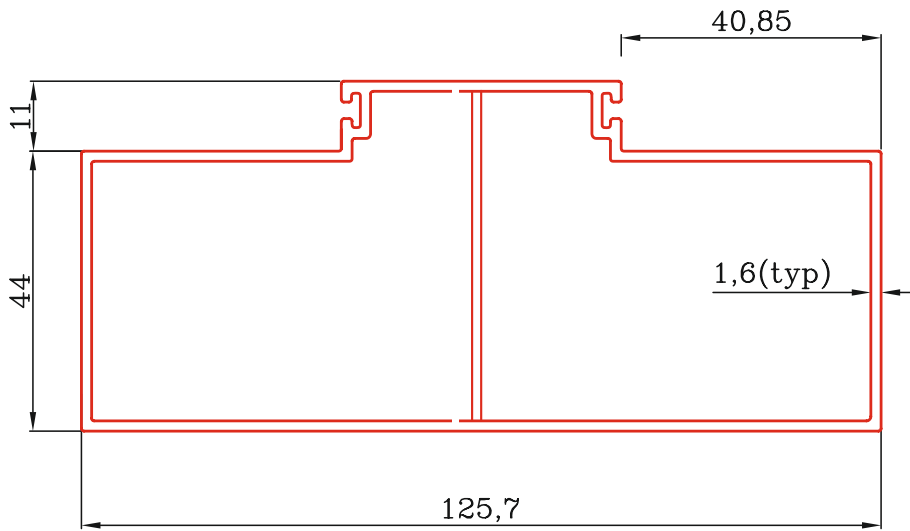

3" x 2" PATTAM

All dimensions are in mm.

Pattam Series

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7079

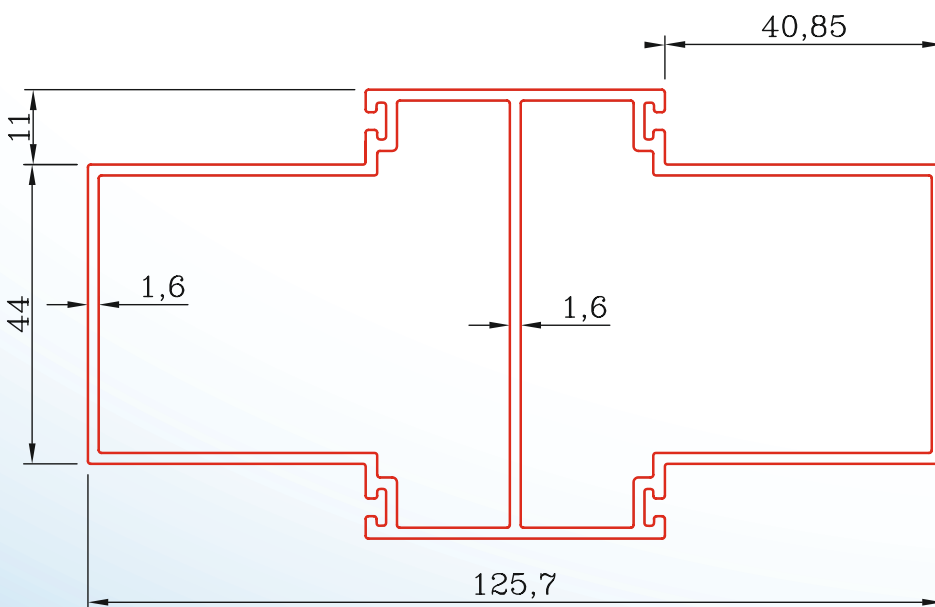


Die No	Description	Weight (Kg/Meter)
7079	5" x 1.5" Single Pattam	2.060
7079	5" x 1.5" Single Pattam	1.970

5" x 1.5" SINGLE PATTAM

6276

2.060 kg/m



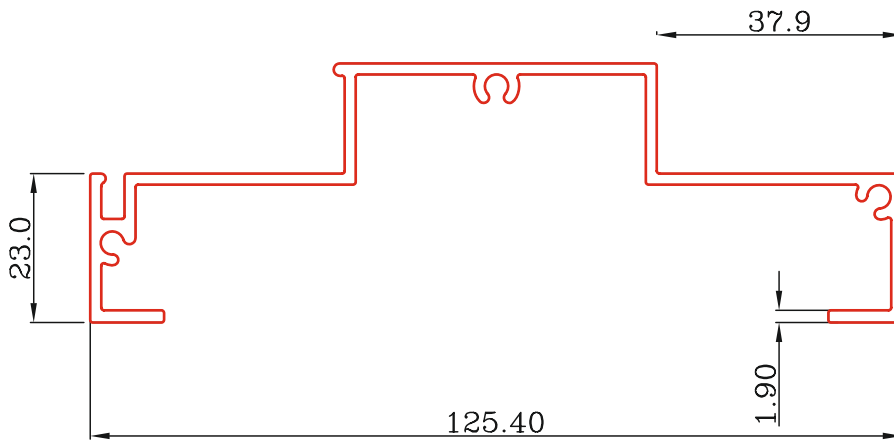
5" x 1.5" DOUBLE PATTAM

Pattam Series

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7081

Die No	Description	Weight (Kg/Meter)
7081	5" x 1.25" Pattam	1.198
7081	5" x 1.25" Pattam	0.947


5" x 1.25" PATTAM
7082

Die No	Description	Weight (Kg/Meter)
7082	5" x 1.75" Double Pattam	2.220
7082	5" x 1.75" Double Pattam	1.500

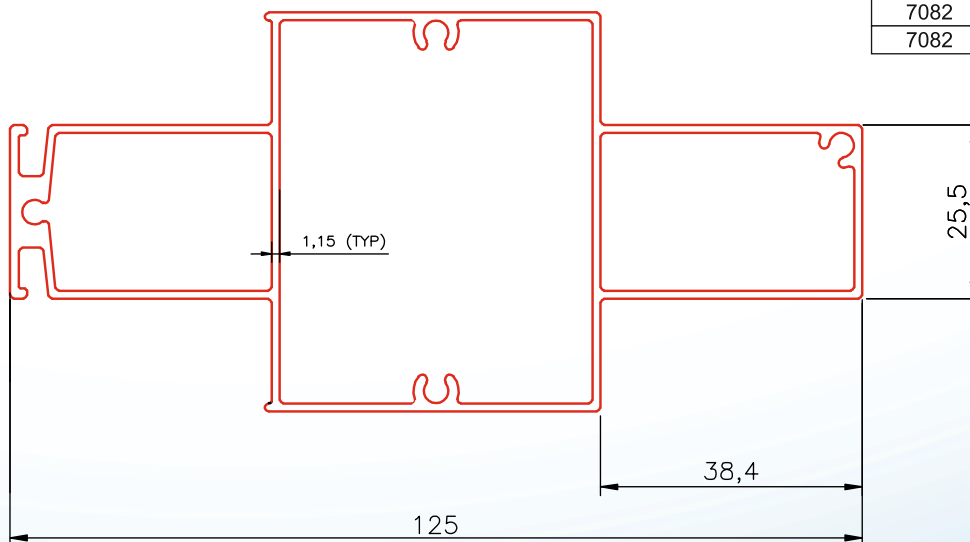

5" x 1.75" DOUBLE PATTAM
All dimensions are in mm.

Photo Frame

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6105

0.264 kg/m

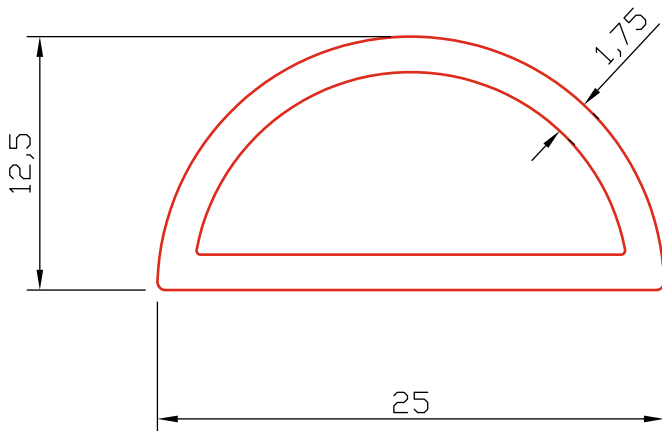


PHOTO FRAME

6233

0.085 kg/m

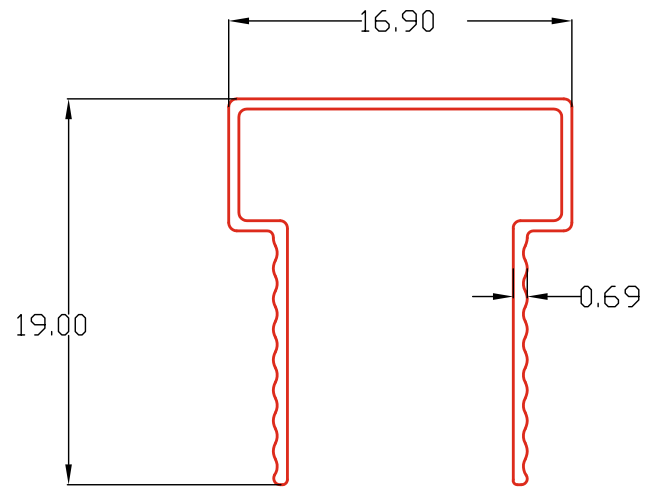


PHOTO FRAME

6250

0.143 kg/m

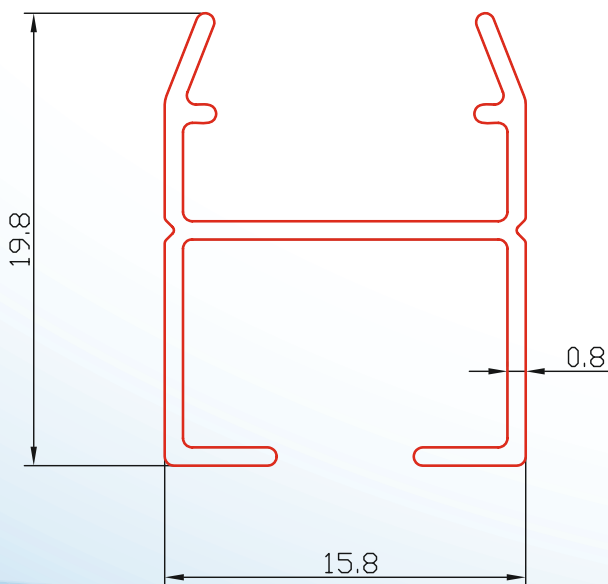
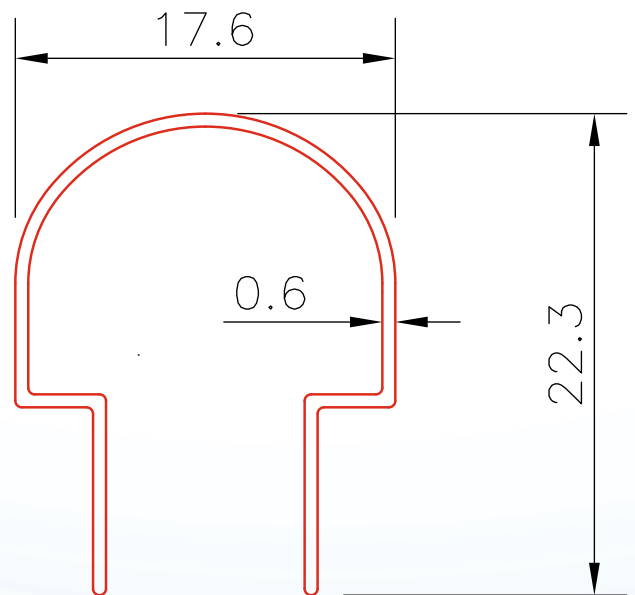


PHOTO FRAME

P-509

0.088 kg/m



TACTICAL BOARD

All dimensions are in mm.

Photo Frame

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6370

0.686 kg/m

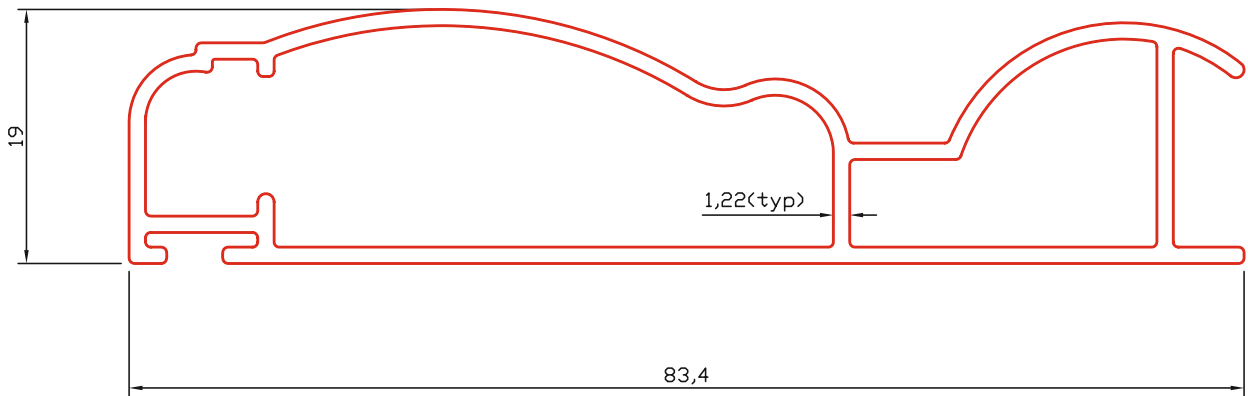
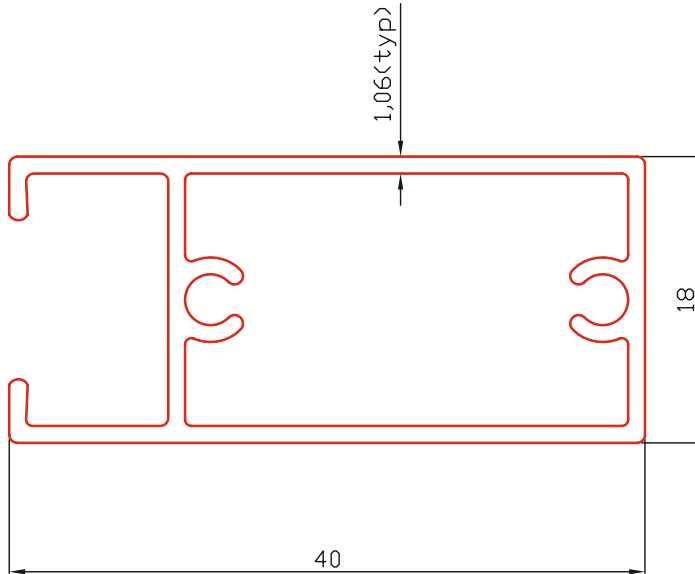


PHOTO FRAME

Sliding Series
Bombay Sliding

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

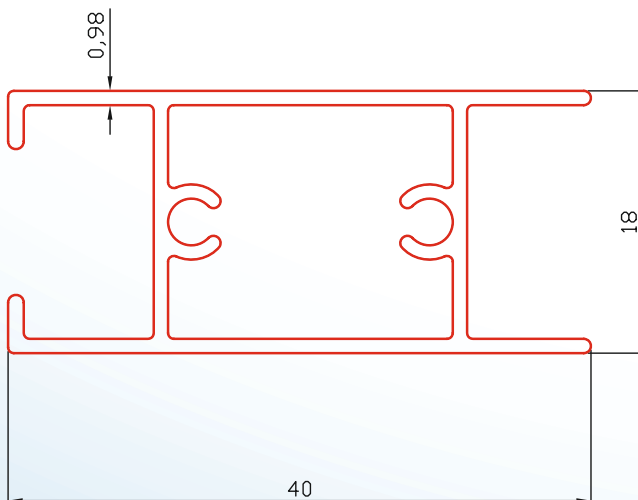
6201



Die No	Description	Weight (Kg/Meter)
6201	0.75" Handle	0.310
6201	0.75" Handle	0.328
6201	0.75" Handle	0.415
6201	0.75" Handle	0.457
6201	0.75" Handle	0.489
6201	0.75" Handle	0.546
6201	0.75" Handle	0.602

0.75" HANDLE

6202

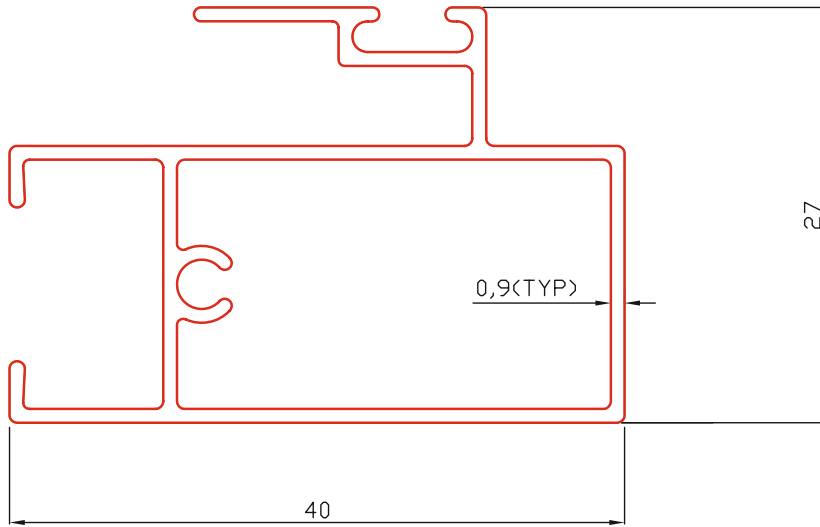


Die No	Description	Weight (Kg/Meter)
6202	0.75" Top Bottom	0.310
6202	0.75" Top Bottom	0.356
6202	0.75" Top Bottom	0.393
6202	0.75" Top Bottom	0.440
6202	0.75" Top Bottom	0.563

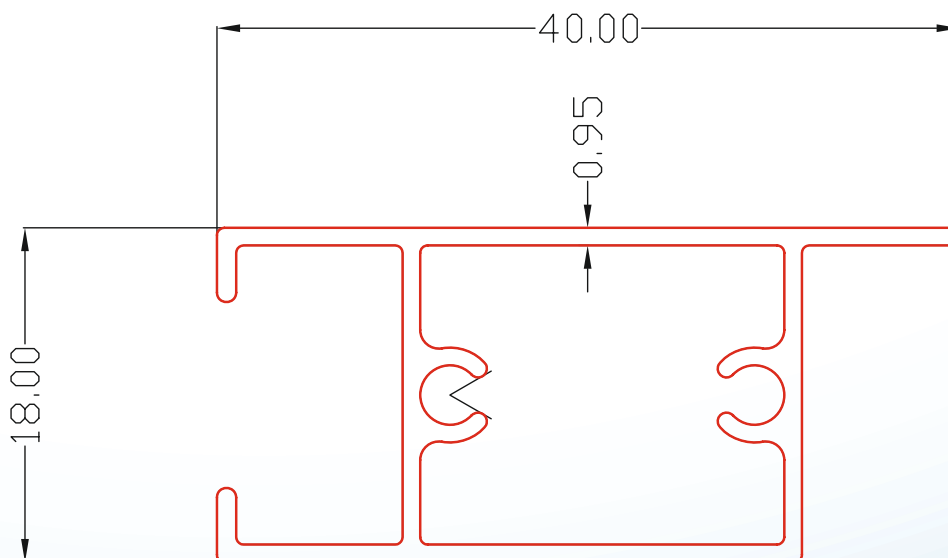
0.75" TOP BOTTOM

Sliding Series
Bombay Sliding

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

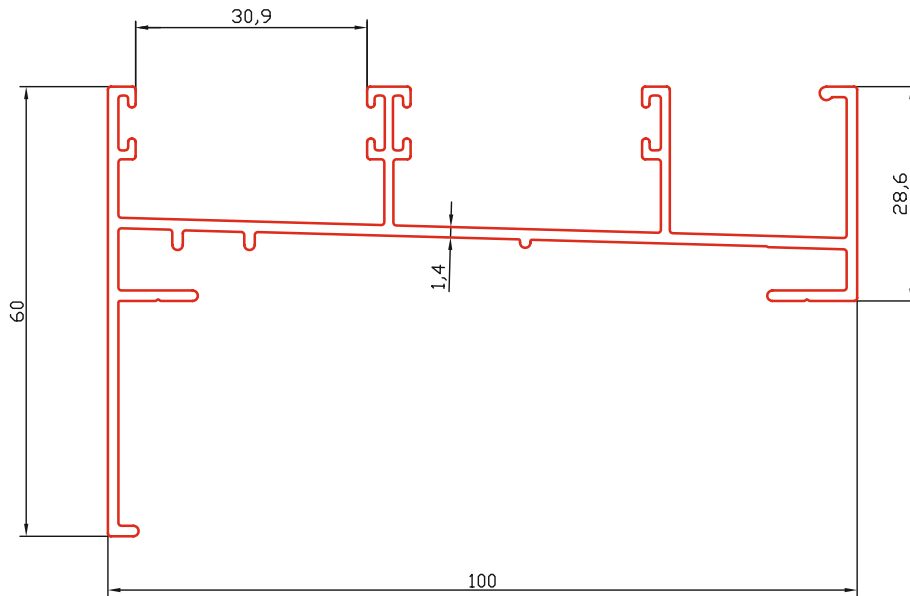
6203


Die No	Description	Weight (Kg/Meter)
6203	0.75" Inter Lock	0.352
6203	0.75" Inter Lock	0.404
6203	0.75" Inter Lock	0.486
6203	0.75" Inter Lock	0.538
6203	0.75" Inter Lock	0.582

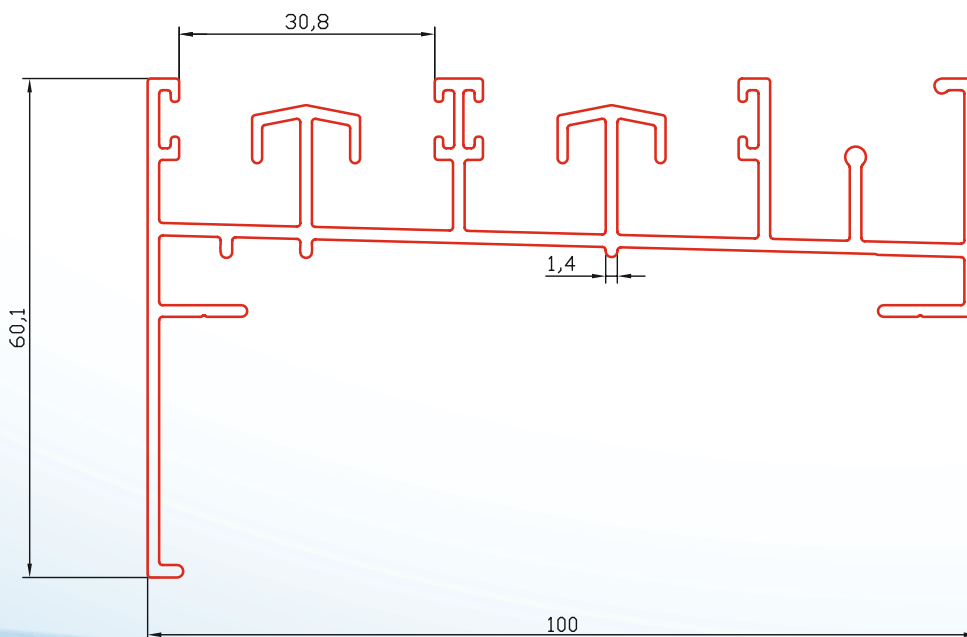
0.75" INTER LOCK
6204
0.415 kg/m

0.75" TOP BOTTOM SINGLE LEG
All dimensions are in mm.

Sliding Series
Sliding 100

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6255
1.005 kg/m


FRAME TOP

6256
1.354 kg/m


FRAME BOTTOM

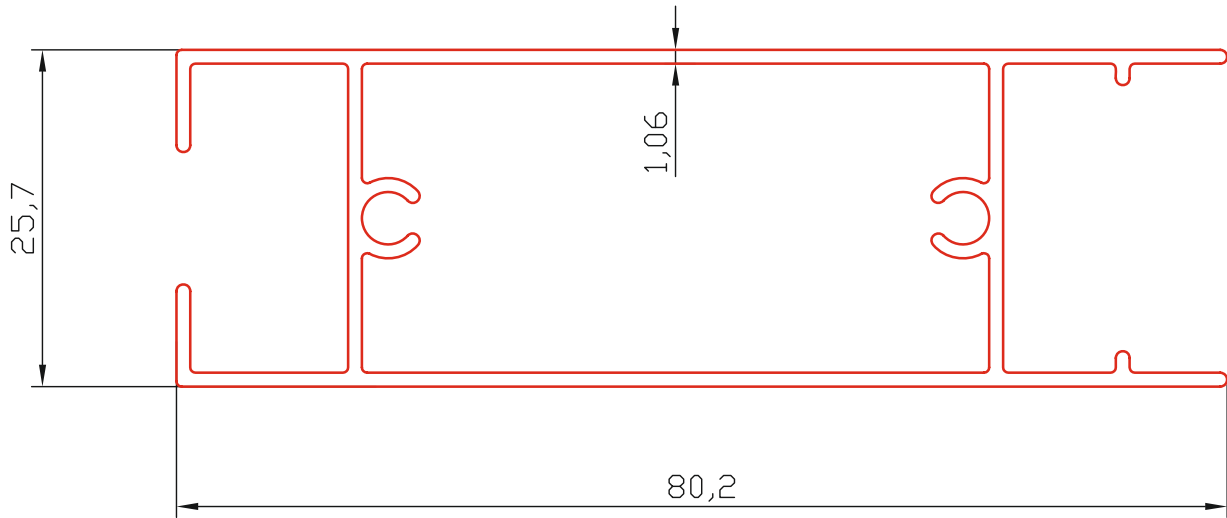
All dimensions are in mm.

Sliding Series
Sliding 100

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6257

0.695 kg/m



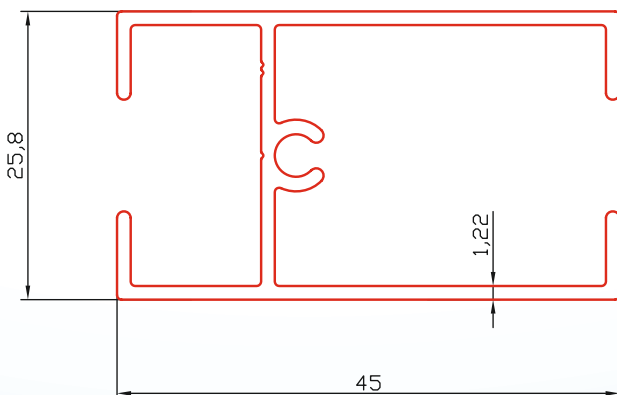
SHUTTER BOTTOM

6258

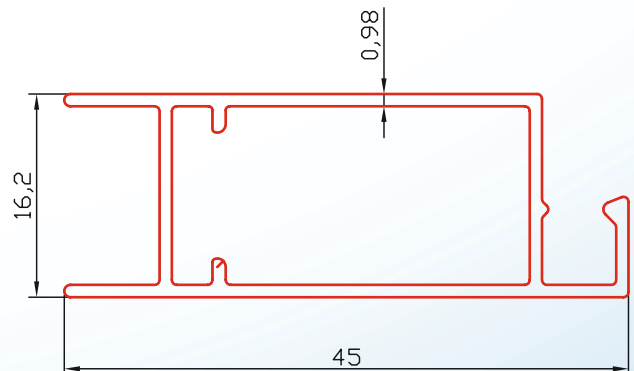
0.454 kg/m

6259

0.326 kg/m



SHUTTER TOP

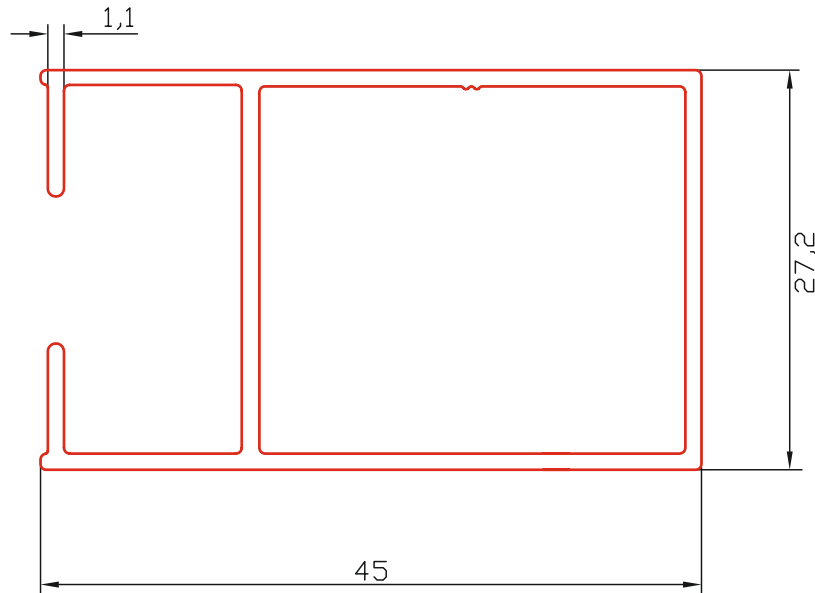
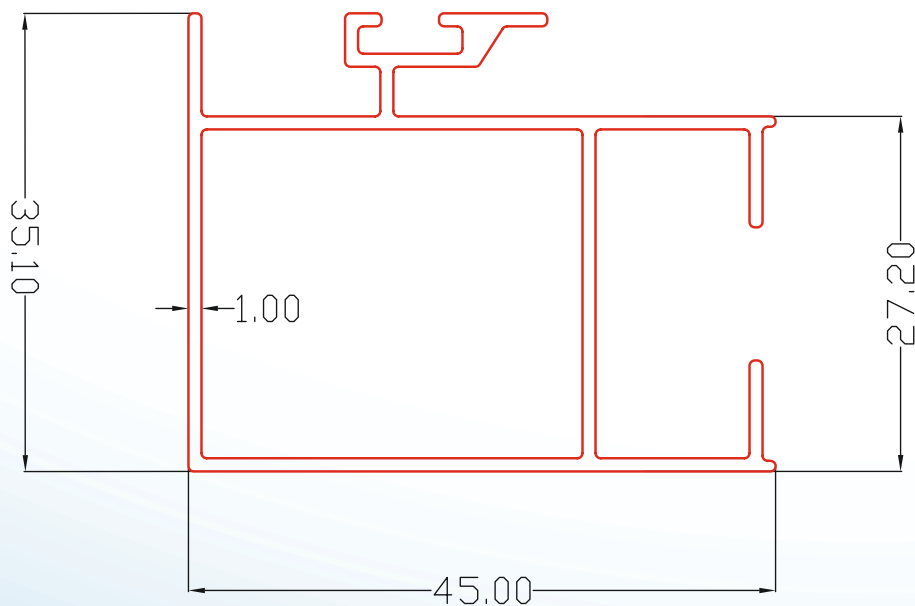


FLY SCREEN FRAME

All dimensions are in mm.

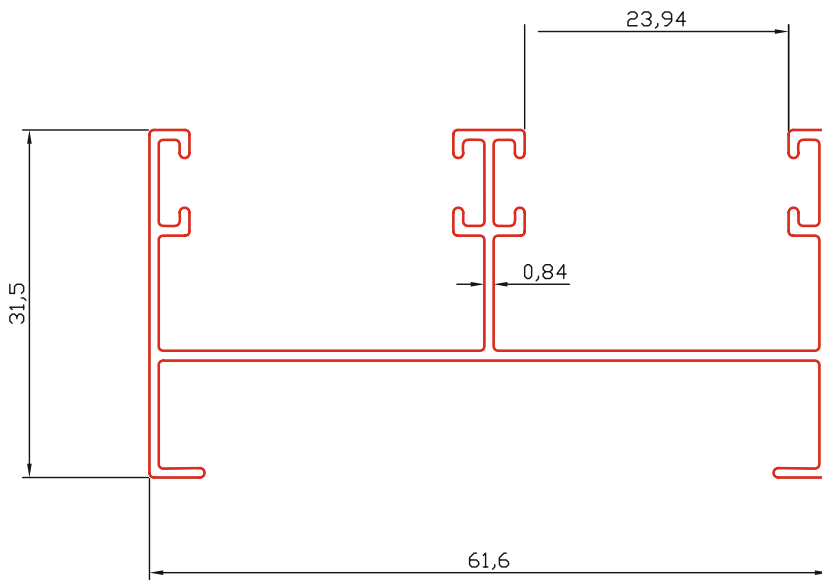
Sliding Series
Sliding 100

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

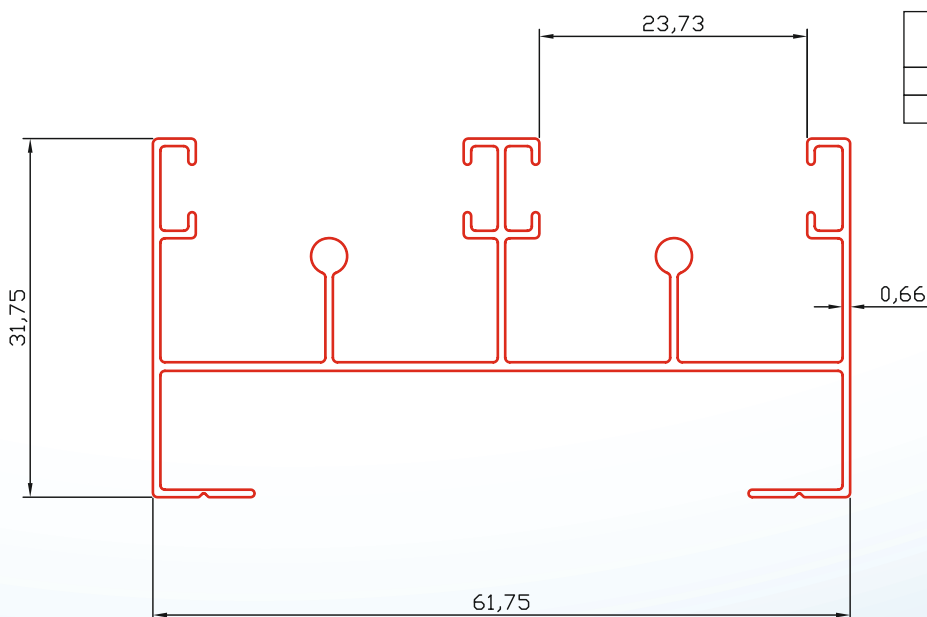
6260
0.452 kg/m

L SECTION
6264
0.520 kg/m

1" INTER LOCK

Sliding Series
Track Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6661


Die No	Description	Weight (Kg/Meter)
6661	0.75" 2 Track Top	0.472
6661	0.75" 2 Track Top	0.555
6661	0.75" 2 Track Top	0.682

0.75" 2 TRACK TOP
6662


Die No	Description	Weight (Kg/Meter)
6662	0.75" 2 Track Bottom	0.489
6662	0.75" 2 Track Bottom	0.580

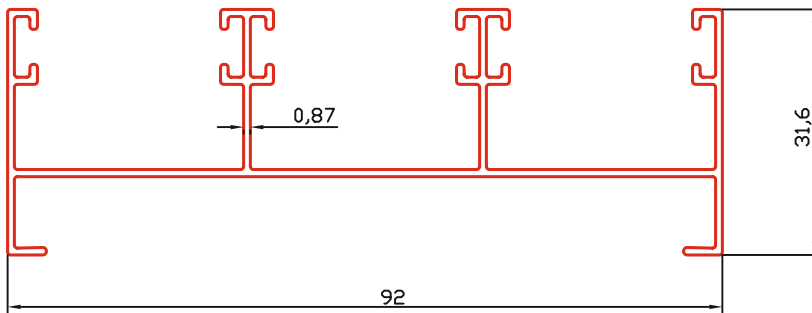
0.75" 2 TRACK BOTTOM

**Sliding Series
Track Profile**

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6663

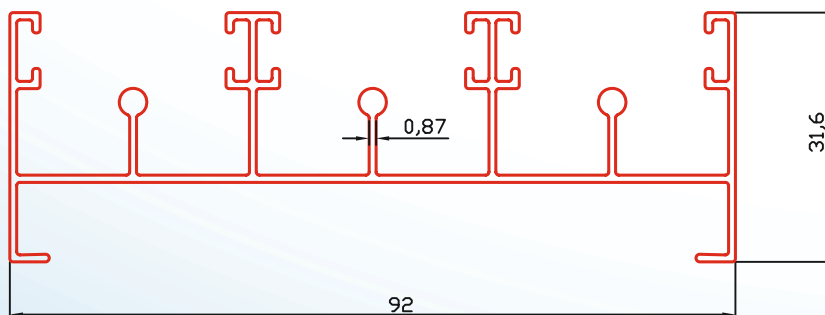
Die No	Description	Weight (Kg/Meter)
6663	0.75" 3 Track Top	0.645
6663	0.75" 3 Track Top	0.980
6663	0.75" 3 Track Top	1.394



0.75" 3 TRACK TOP

6664

Die No	Description	Weight (Kg/Meter)
6664	0.75" 3 Track Bottom	0.793
6664	0.75" 3 Track Bottom	0.988
6664	0.75" 3 Track Bottom	1.625



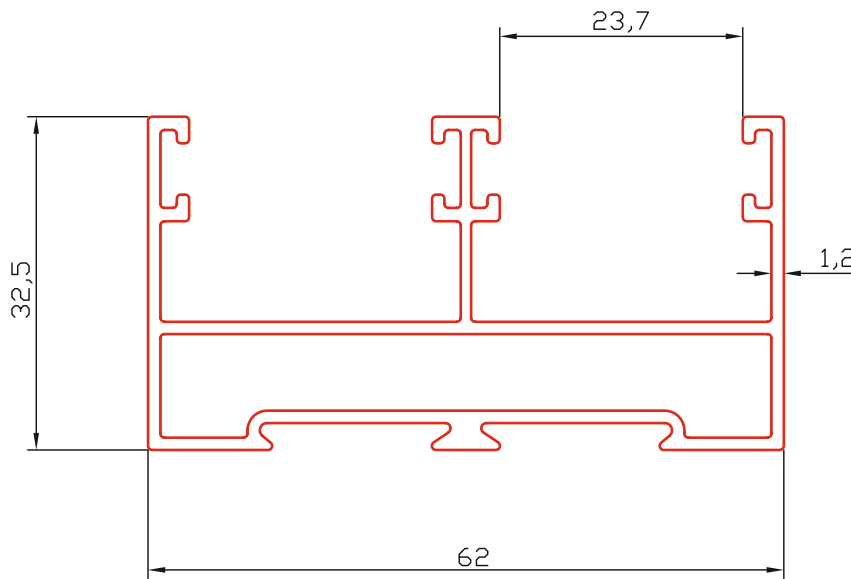
0.75" 3 TRACK BOTTOM

Sliding Series
Track Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6665

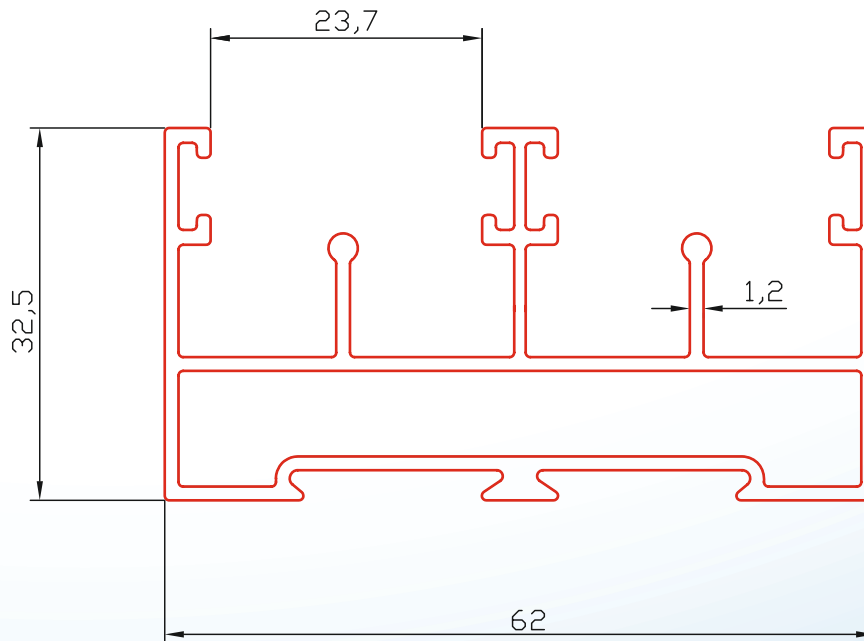
0.855 kg/m



0.75" 2 TRACK TOP WITH SINGLE

6666

0.874 kg/m



0.75" 2 TRACK BOTTOM WITH SINGLE

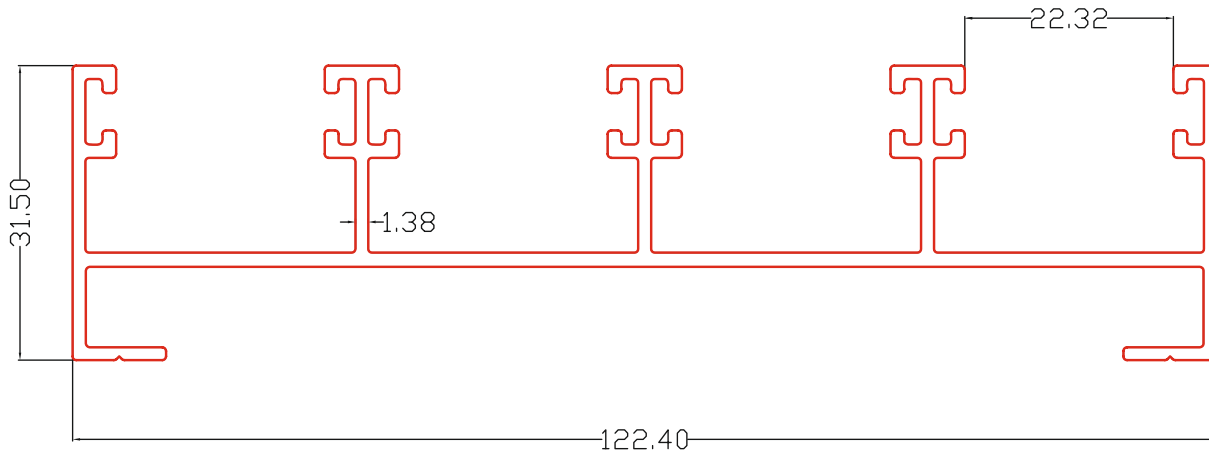
All dimensions are in mm.

**Sliding Series
Track Profile**

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6667

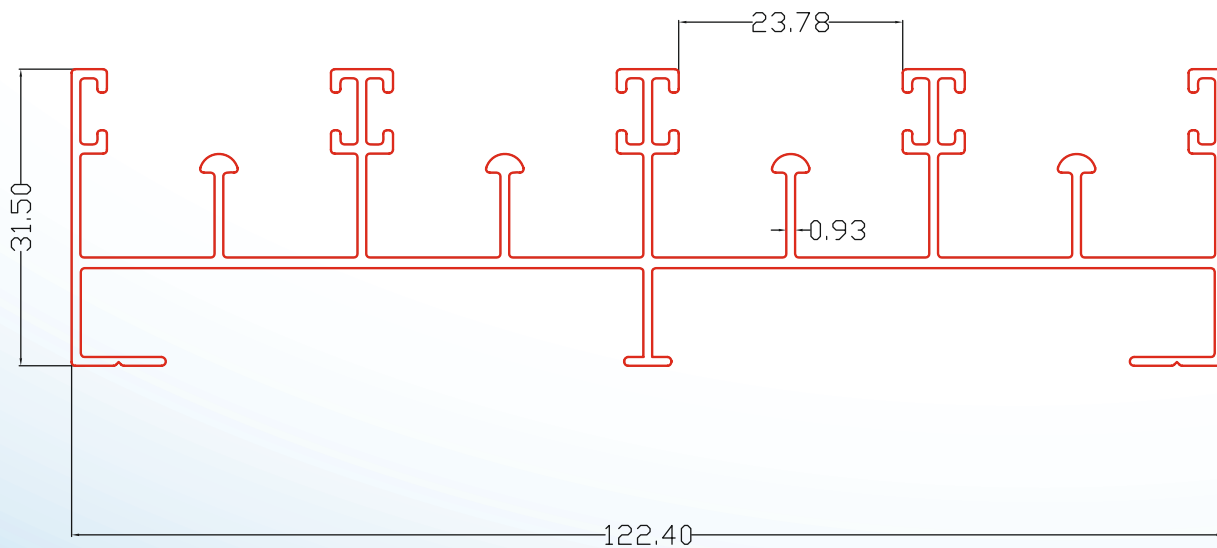
0.844 kg/m



0.75" 4 TRACK TOP

6668

1.036 kg/m



0.75" 4 TRACK BOTTOM

All dimensions are in mm.

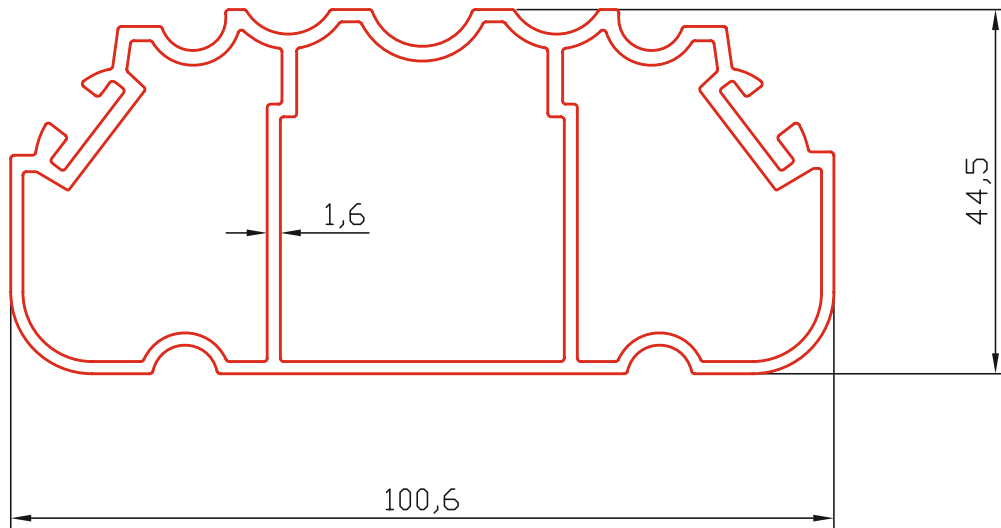
*Transport
Profile*

Transport Section

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6182

1.797 kg/m



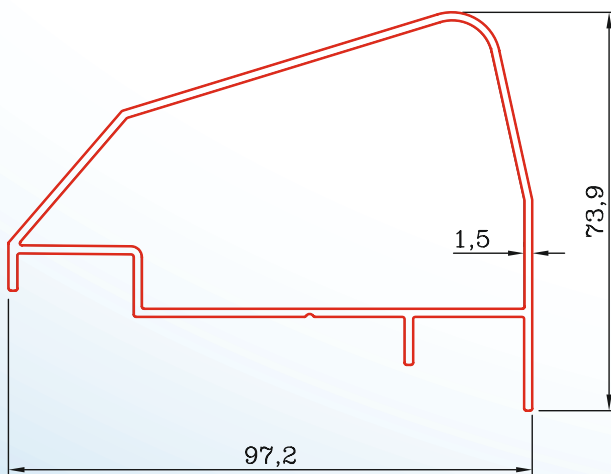
FOOT REST

7026

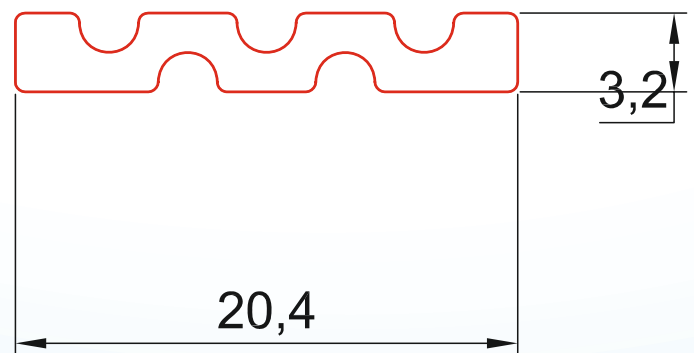
1.230 kg/m

6056

0.128 kg/m



CARRIER PROFILE



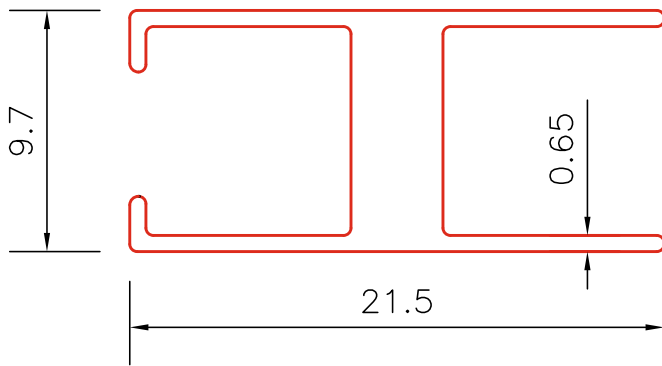
3/4" ZIG ZAG FLAT

All dimensions are in mm.

Bus Body

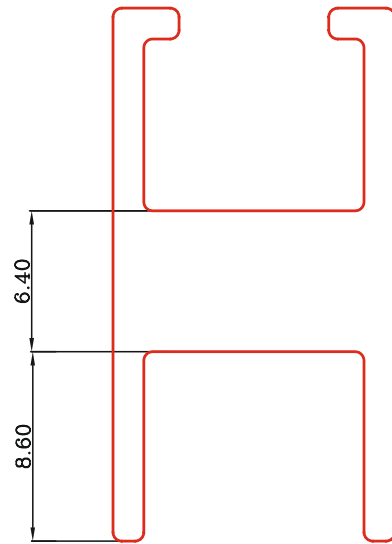
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6269 **0.156 kg/m**



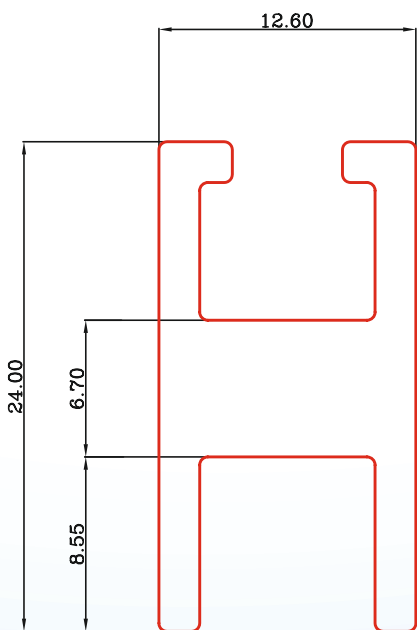
H SECTION

6241 **0.378 kg/m**



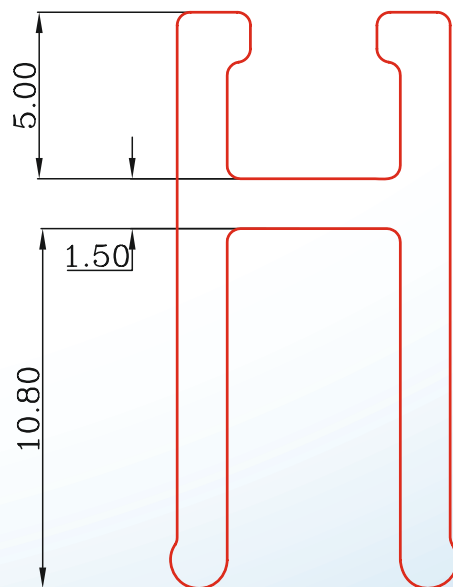
H SECTION

6242 **0.440 kg/m**



H SECTION

6243 **0.164 kg/m**



SMALL H

All dimensions are in mm.

Bus Body

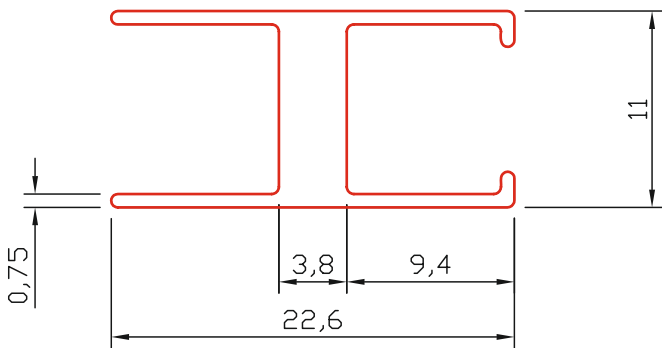
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6288

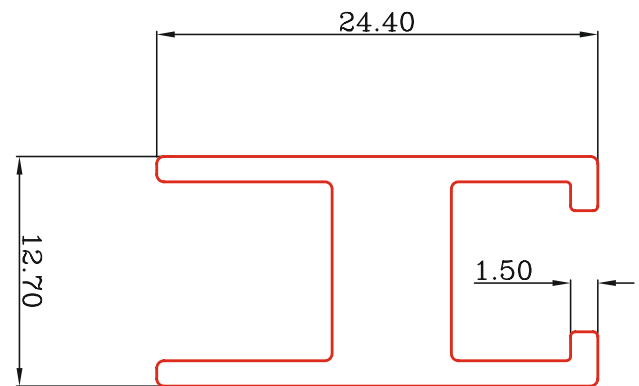
0.197 kg/m

7063

Die No	Description	Weight (Kg/Meter)
7063	H Section	0.244
7063	H Section	0.281
7063	H Section	0.355
7063	H Section	0.404



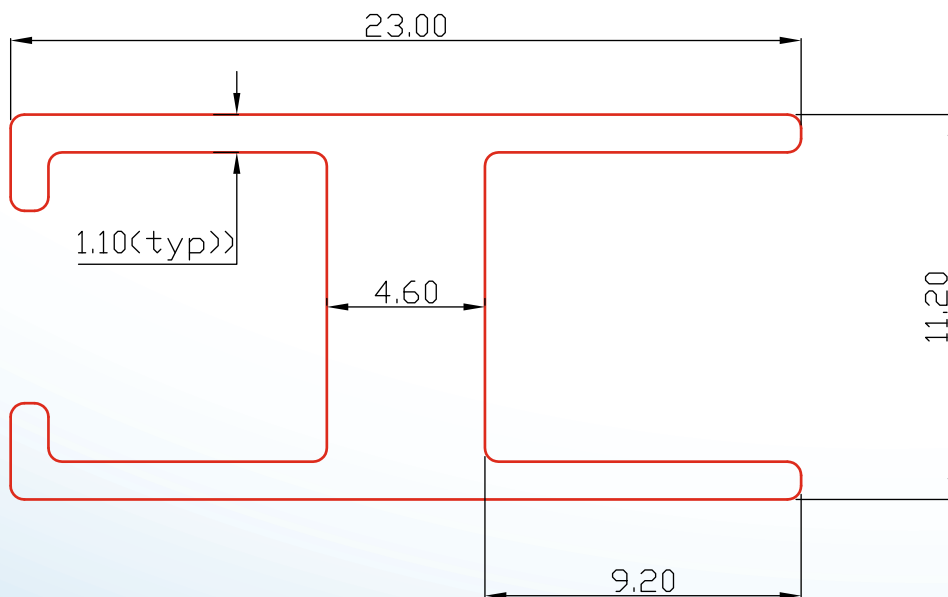
H SECTION



H SECTION

6413

0.254 kg/m



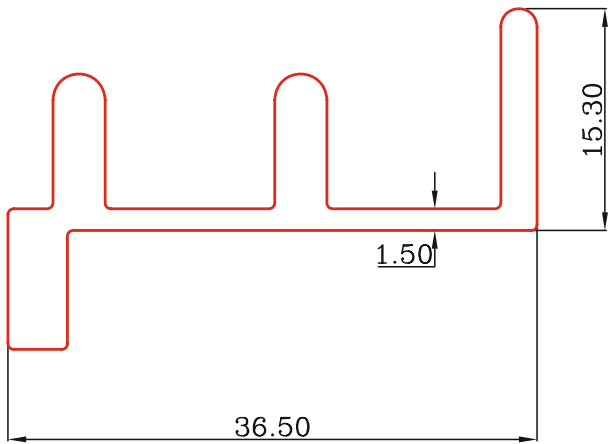
H SECTION

All dimensions are in mm.

Bus Body

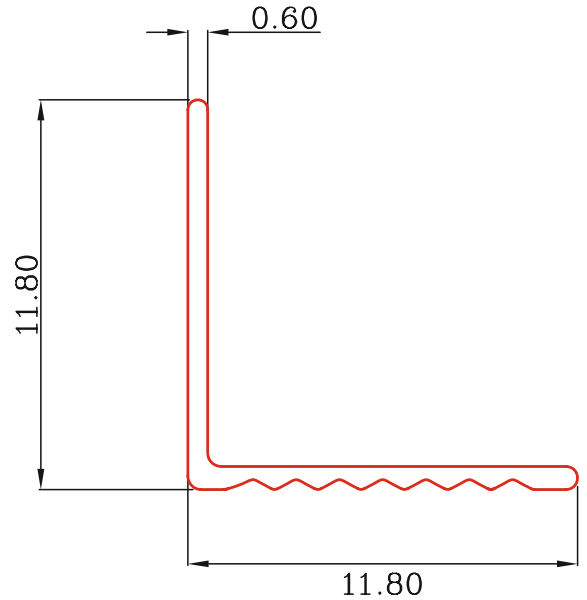
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6244 **0.500 kg/m**



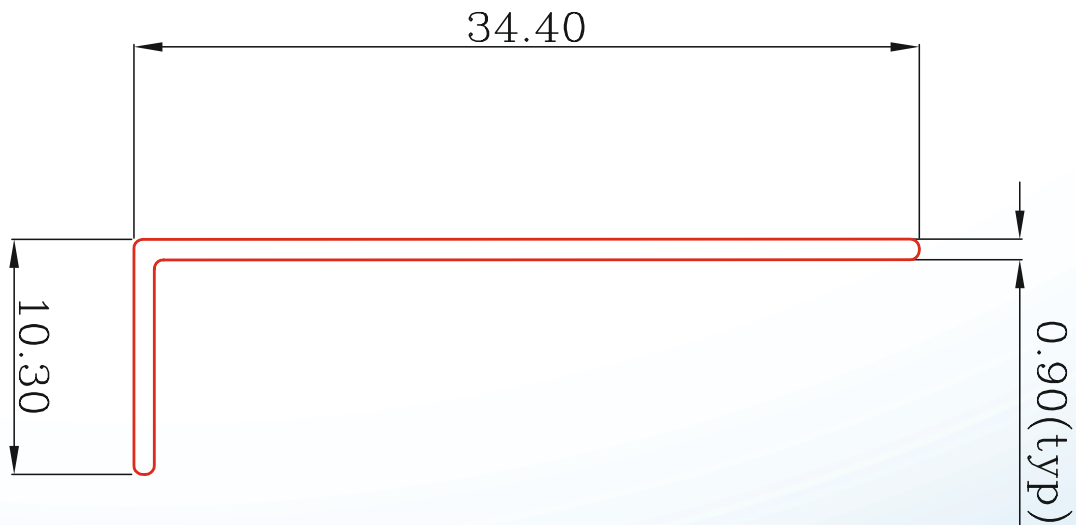
HADDI CHANNEL

6245 **0.047 kg/m**



17 x 17 Fluted Angle

6246 **0.095 kg/m**

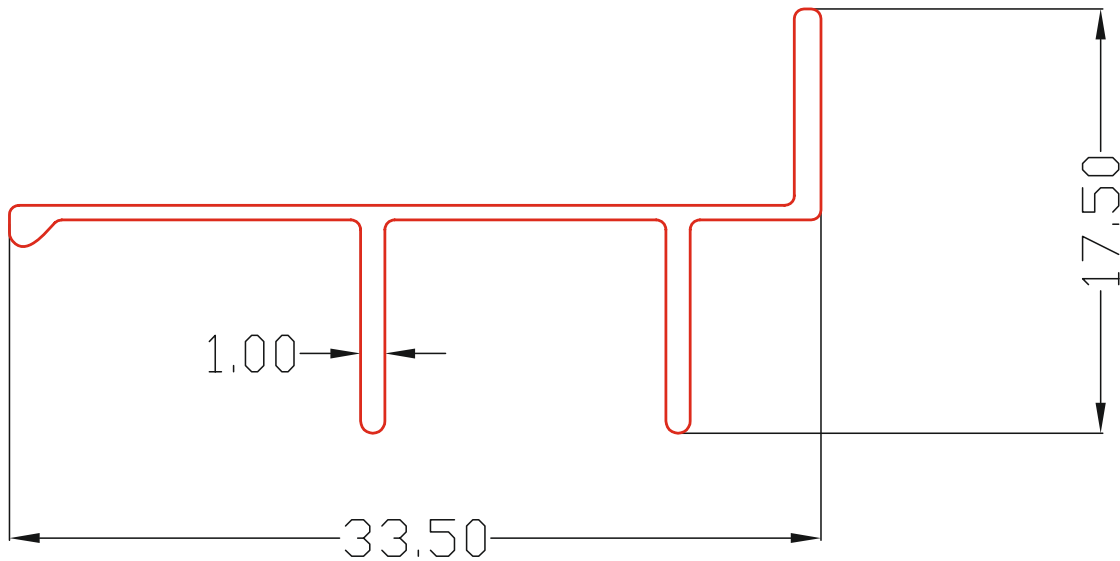


34 x 10 ANGLE

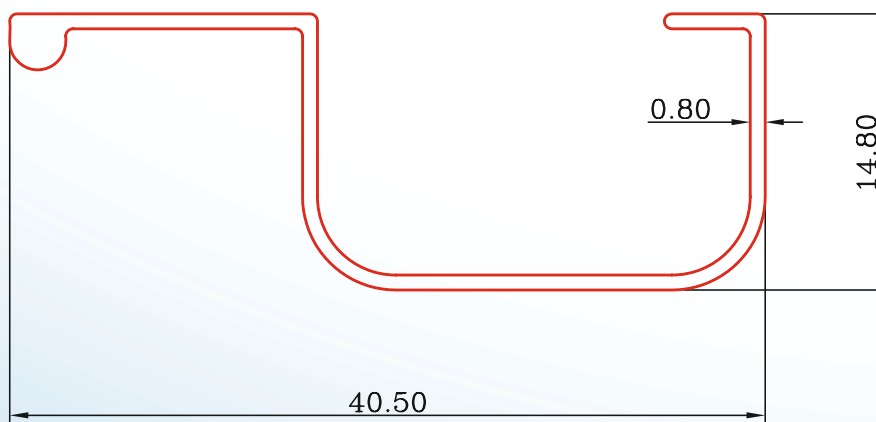
All dimensions are in mm.

Bus Body

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6271
0.121 kg/m

F CHANNEL
7061
0.151 kg/m

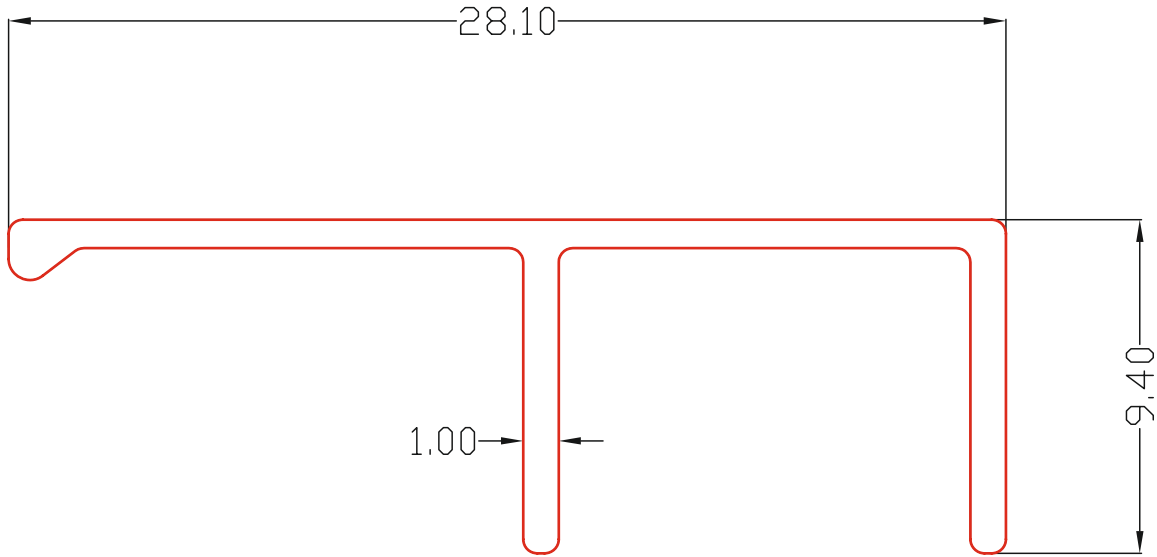
Die No	Description	Weight (Kg/Meter)
6171	Wire Cover (wire Gola)	0.151
6171	Wire Cover (wire Gola)	0.218


WIRE COVER (WIRE GOLA)

Bus Body

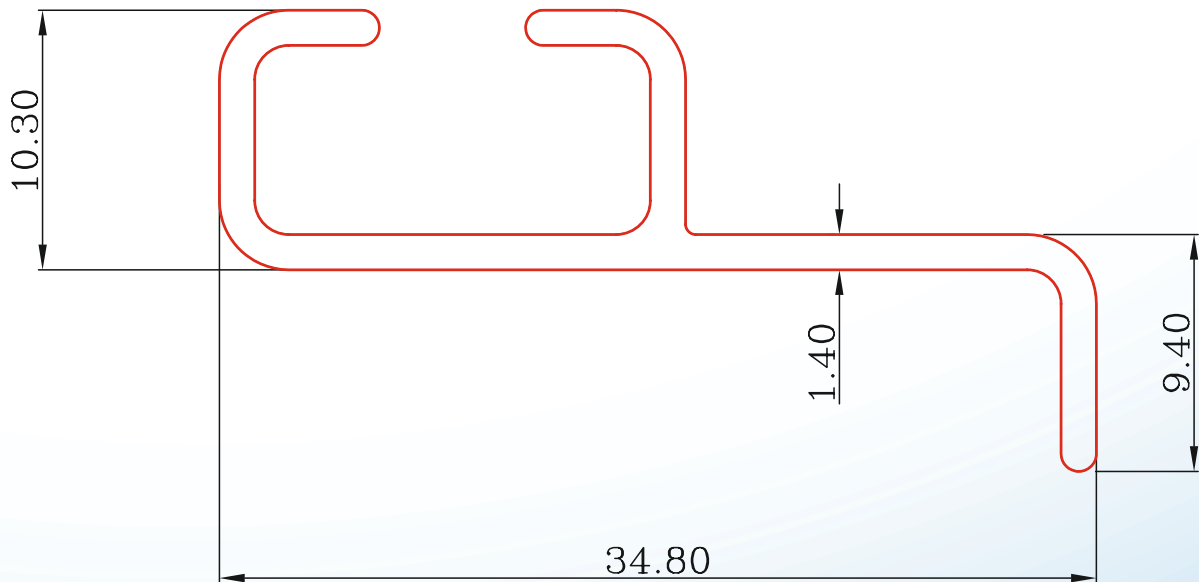
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6270 **0.105 kg/m**



F CHANNEL

7064 **0.234 kg/m**



SPOON

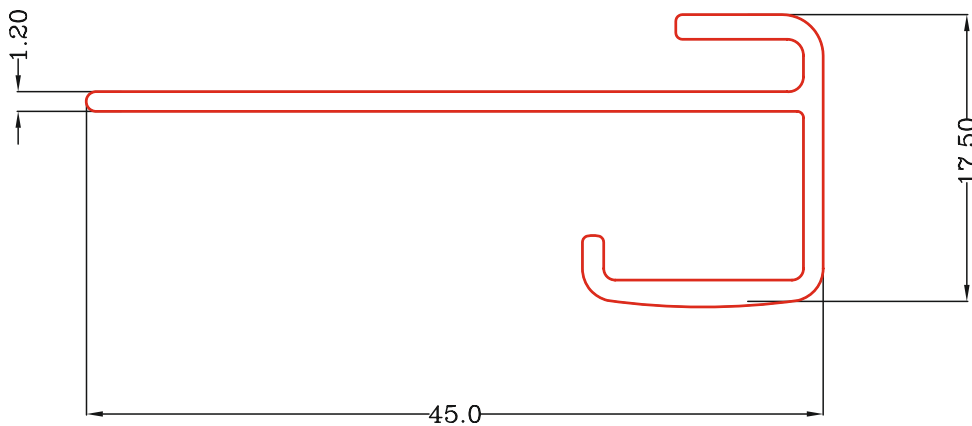
All dimensions are in mm.

Bus Body

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7065

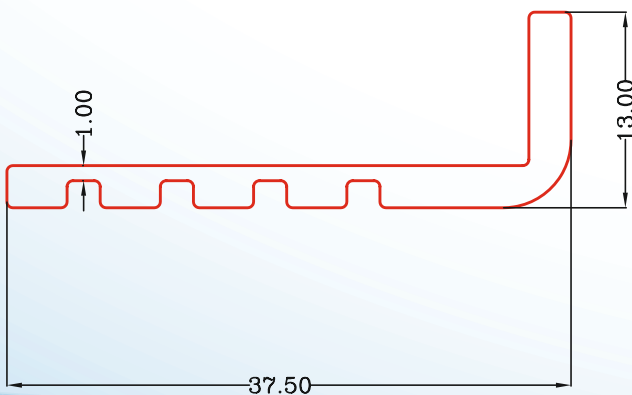
Die No	Description	Weight (Kg/Meter)
7065	Mazda T (Lower T)	0.249
7065	Mazda T (Lower T)	0.362
7065	Mazda T (Lower T)	0.409



MAZDA T (LOWER T)

7066

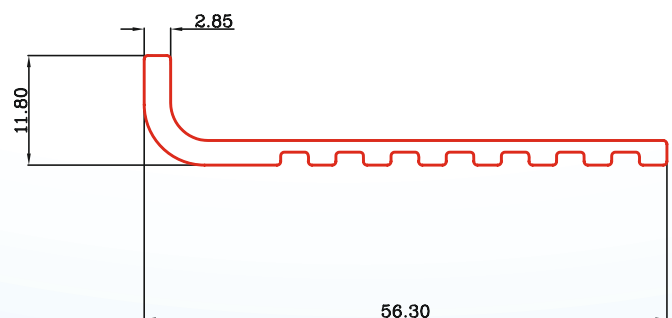
Die No	Description	Weight (Kg/Meter)
7066	Step Handle	0.290
7066	Step Handle	0.372
7066	Step Handle	0.449



STEP HANDLE

6247

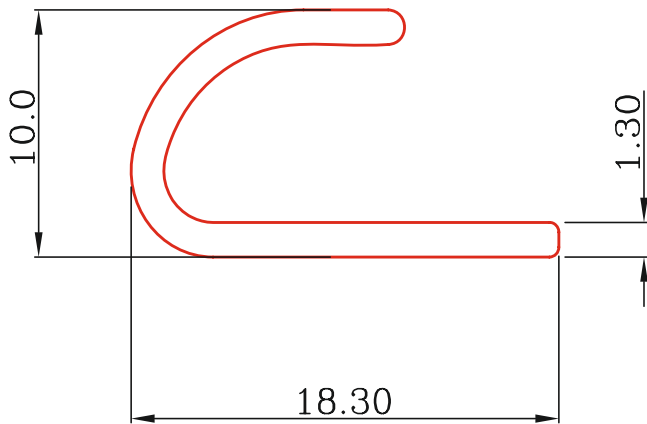
Die No	Description	Weight (Kg/Meter)
6247	2.25" x 0.5" Step Angle	0.411
6247	2.25" x 0.5" Step Angle	0.323



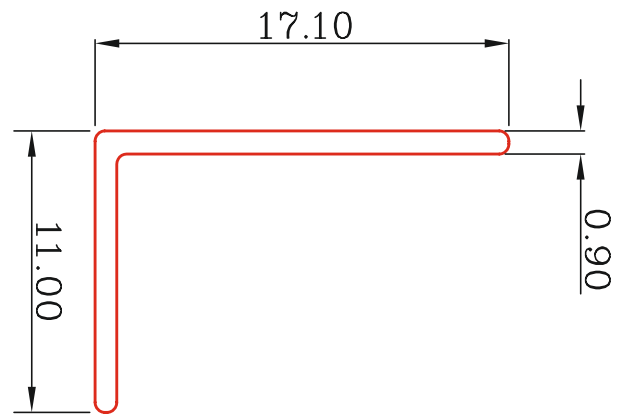
2.25" x 0.5" STEP ANGLE

Bus Body

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7067
0.110 kg/m

J NALI
7068

Die No	Description	Weight (Kg/Meter)
7068	17 x 11 Angle	0.067
7068	17 x 11 Angle	0.098


17 x 11 ANGLE
7069

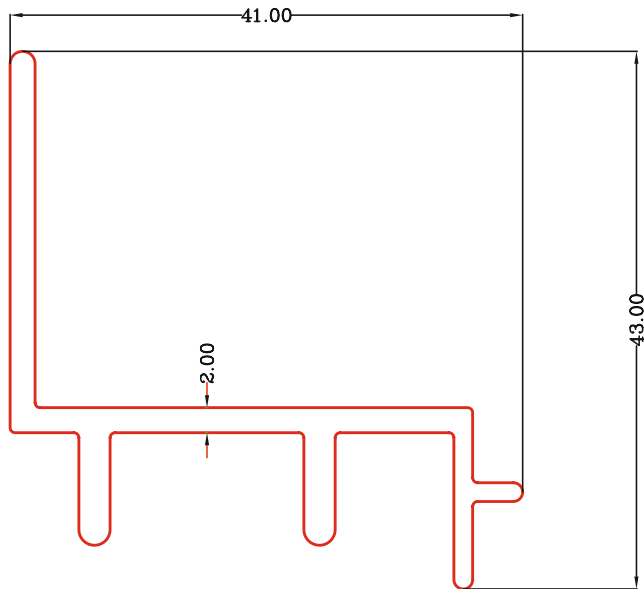
Die No	Description	Weight (Kg/Meter)
7069	Chain Patti	0.124
7069	Chain Patti	0.169
7069	Chain Patti	0.215


CHAIN PATTI
All dimensions are in mm.

Bus Body

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

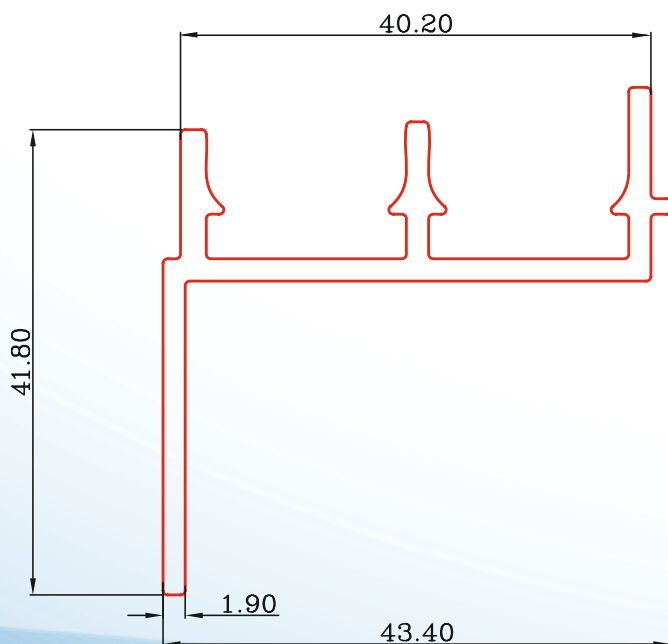
7070



Die No	Description	Weight (Kg/Meter)
7070	Punjabi F Mazda	0.502
7070	Punjabi F Mazda	0.614

PUNJABI F (MAZDA)

7071

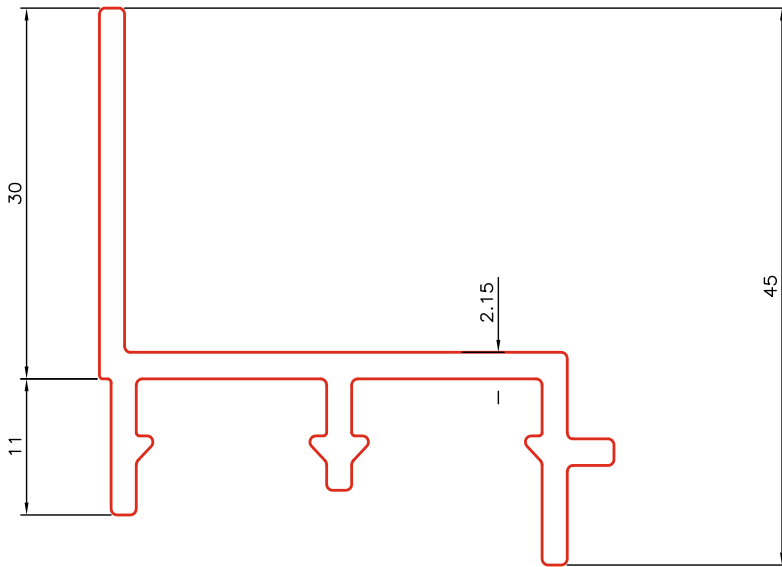


Die No	Description	Weight (Kg/Meter)
7071	Mazda Section	0.525
7071	Mazda Section	0.594
7071	Mazda Section	0.672

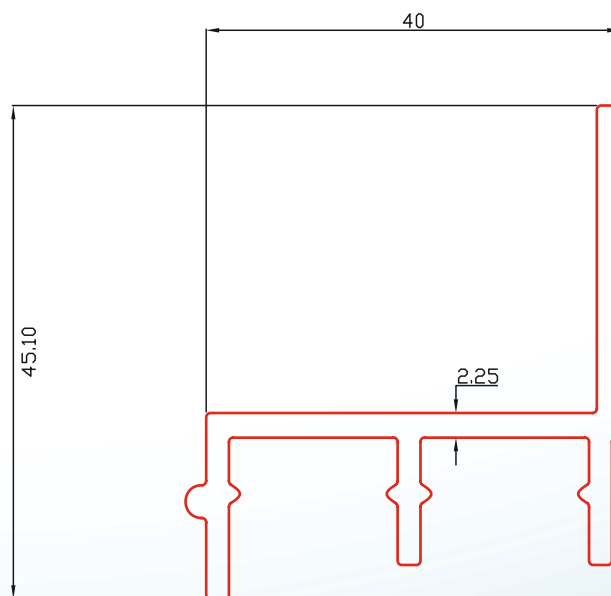
MAZDA SECTION

Bus Body

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6383


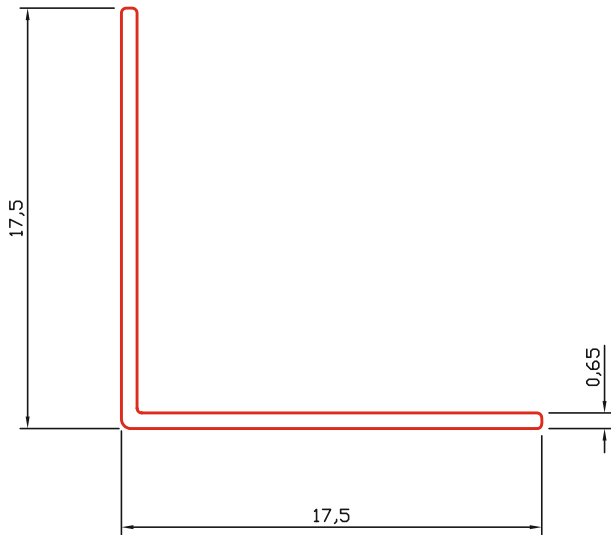
Die No	Description	Weight (Kg/Meter)
6383	Mazda Section	0.642
6383	Mazda Section	0.696

MAZDA SECTION
6410
0.646 kg/m

MAZDA
All dimensions are in mm.

Bus Body

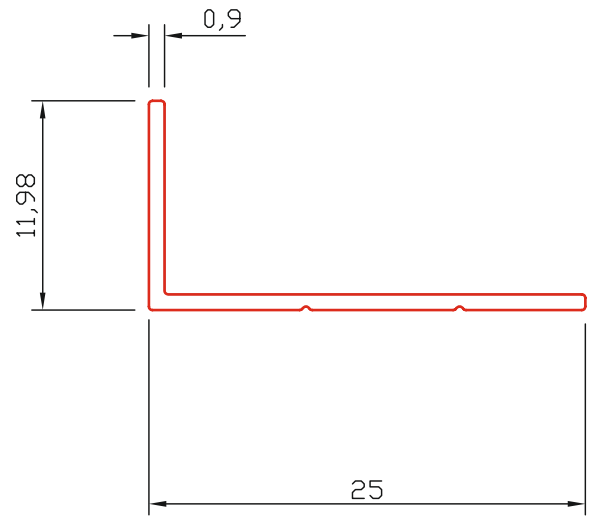
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6395 **0.060 kg/m**



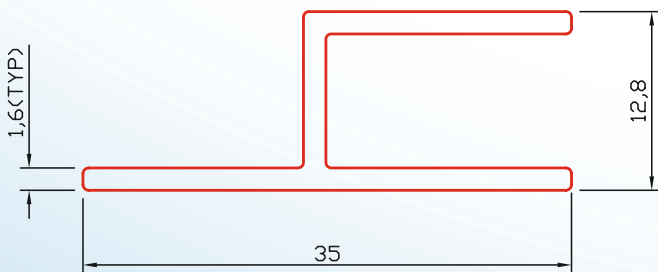
ANGLE

6392 **0.087 kg/m**



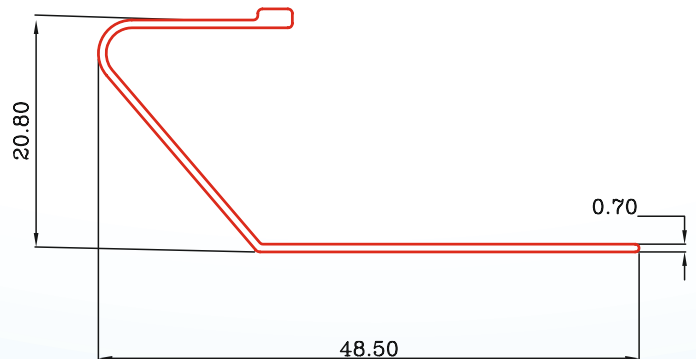
ANGLE

6393 **0.350 kg/m**



Y SECCION

6240 **0.136 kg/m**



WATER CHANNEL

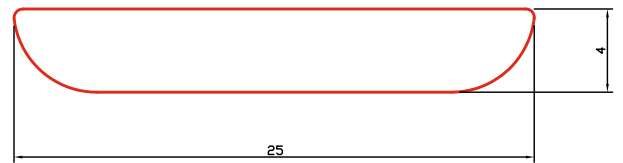
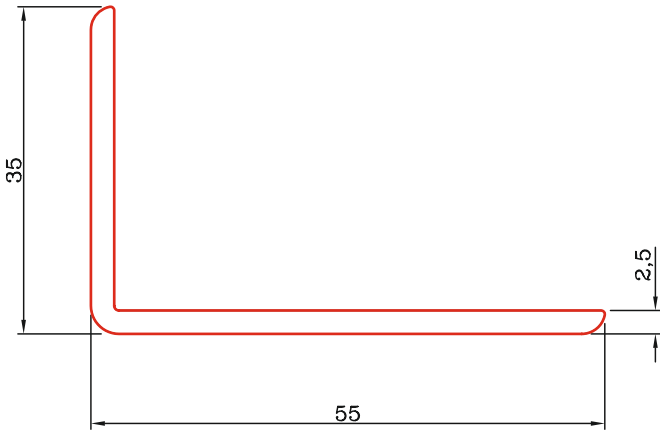
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

9000 **0.587 kg/m**

9011/1 **0.260 kg/m**

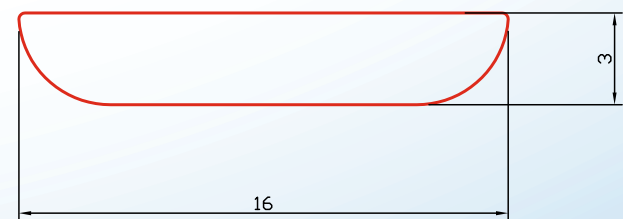
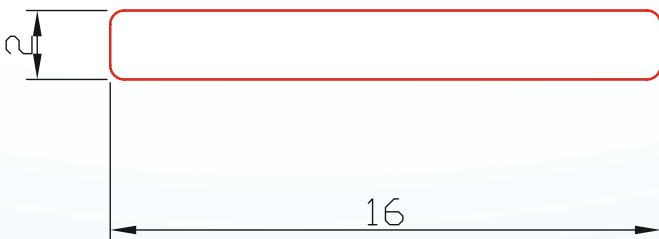


55mm x 35mm ANGLE

25mm x 4mm TAPER FLAT

9011/2 **0.095 kg/m**

9011/3 **0.114 kg/m**



16mm x 2mm FLAT CC 43359

16mm x 3mm TAPER FLAT

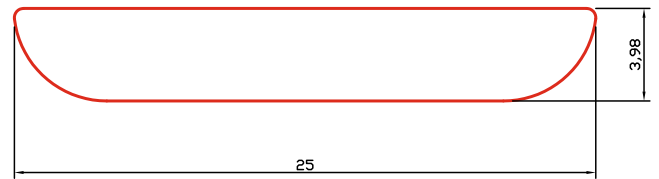
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

9011/4 **0.335 kg/m**

9011/6 **0.302 kg/m**

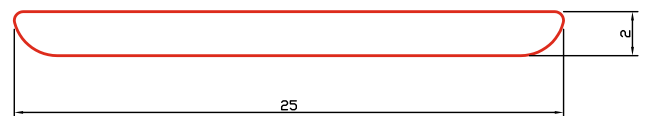
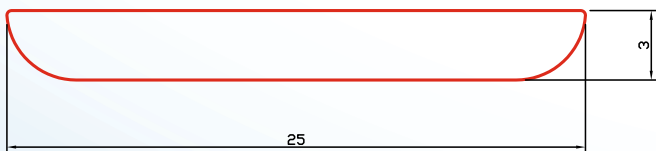


38mm x 3mm TAPER FLAT CC 43335

25mm x 3.98mm TAPER FLAT TS2512

9011/7 **0.215 kg/m**

9011/8 **0.139 kg/m**



25mm x 3mm TAPER FLAT CC43334

25mm x 2mm FLAT

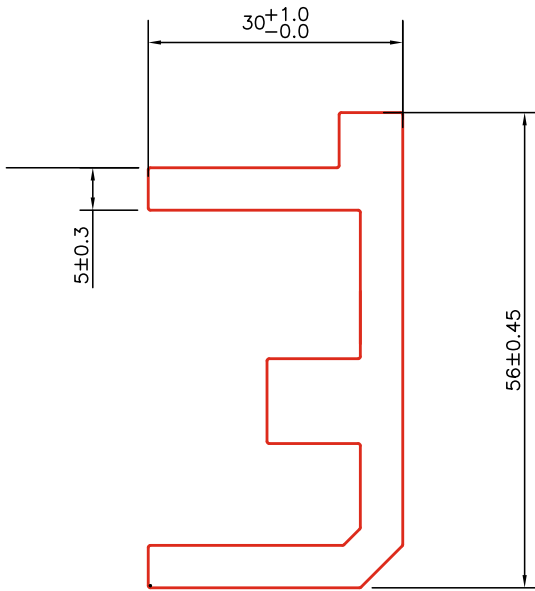
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

9006/44

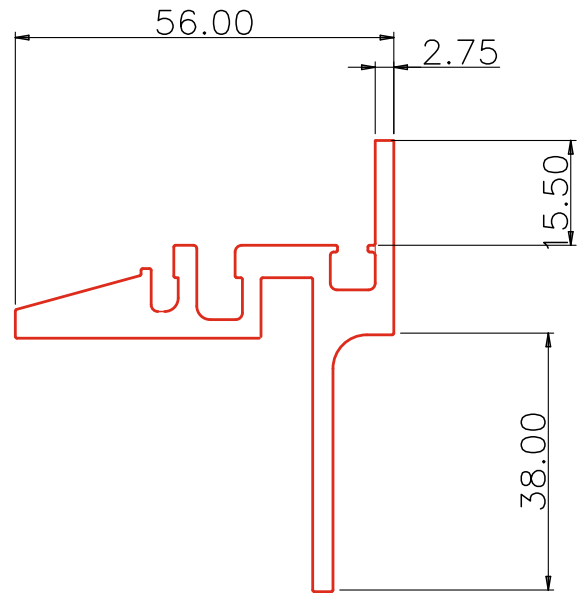
1.730 kg/m



LW54144

9007/45

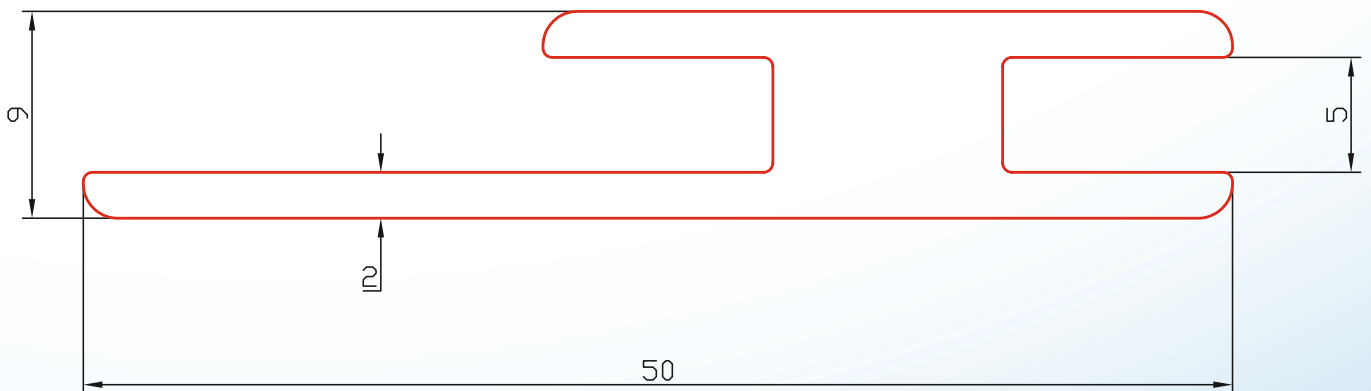
1.574 kg/m



LW54145

9013

0.580 kg/m



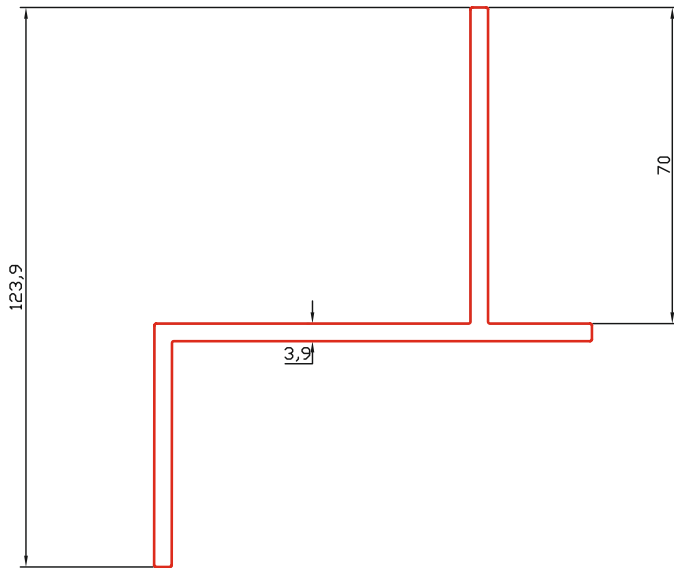
H SECTION UN54112

All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

43105

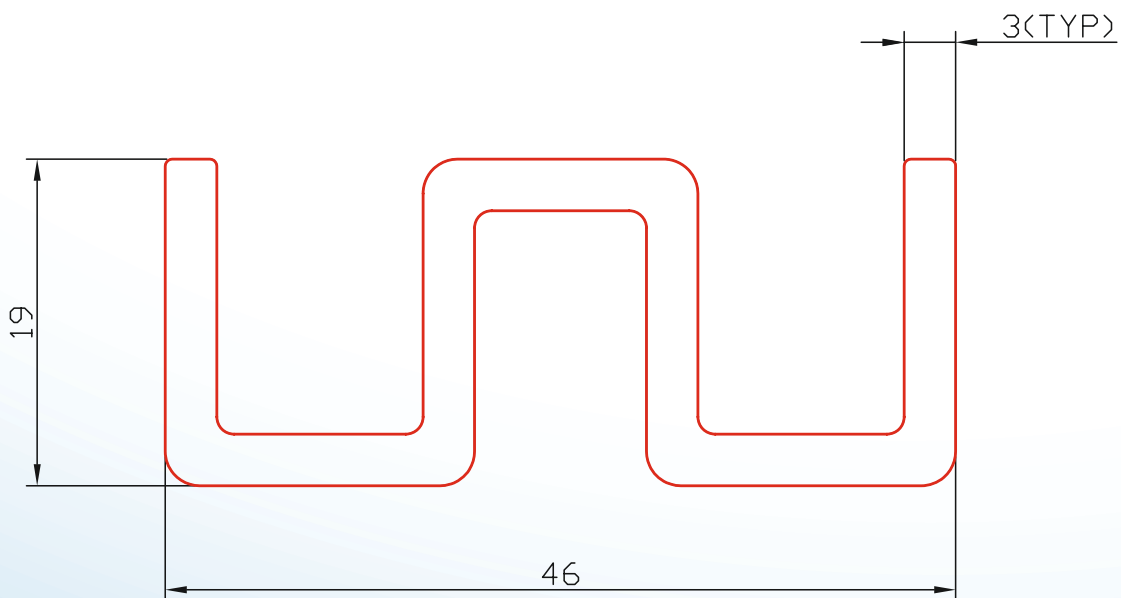


Die No	Description	Weight (Kg/Meter)
43105	Main Frame Grill	2.270
43105	Main Frame Grill	3.563

MAIN FRAME GRILL

9016/1

0.888 kg/m



W SECTION CC43484

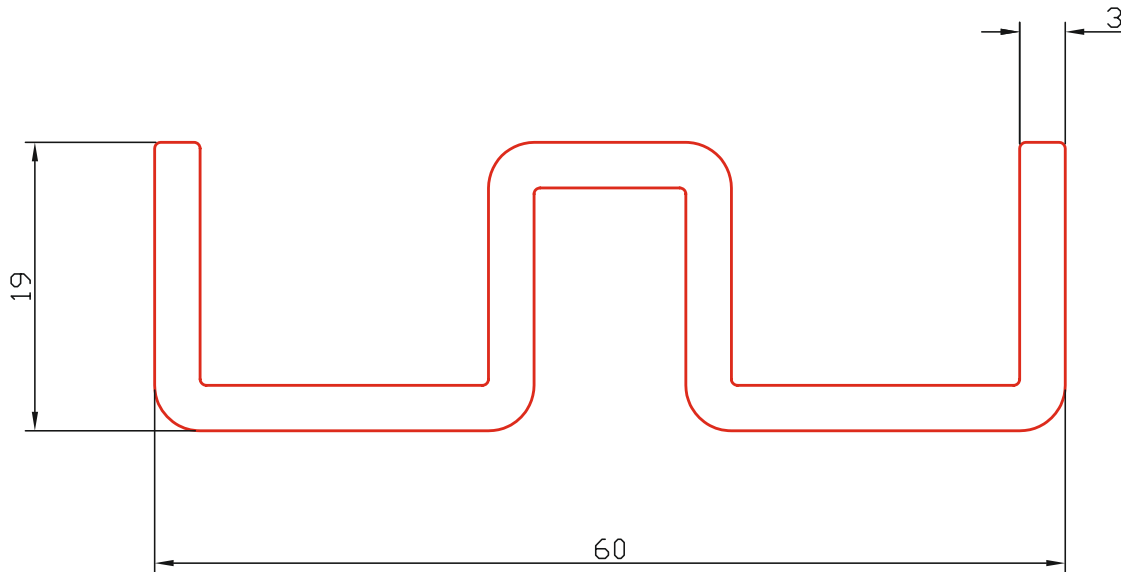
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

9016/2

0.973 kg/m



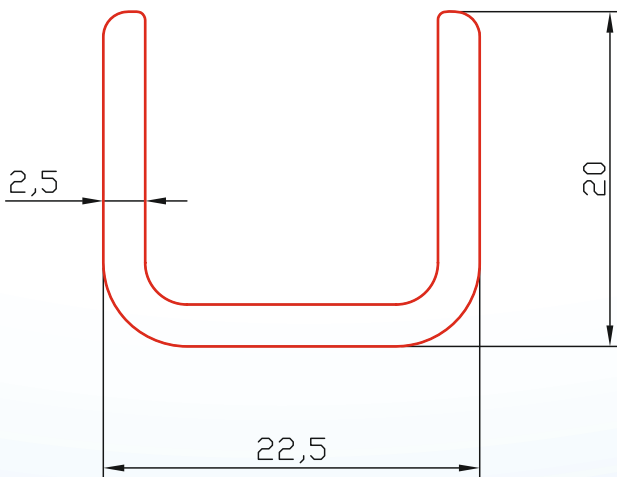
W SECTION CC56271

9017

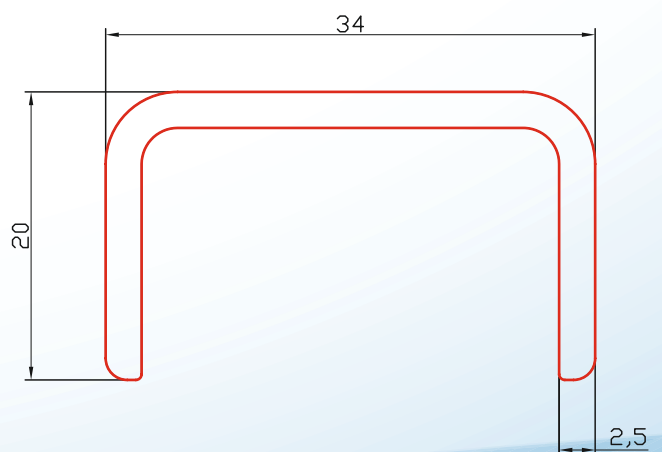
0.388 kg/m

9018

0.456 kg/m



22mm x 20mm U CHANNEL AE 56245

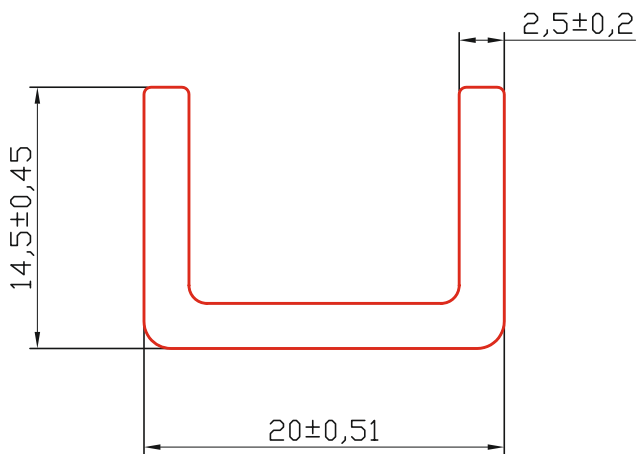
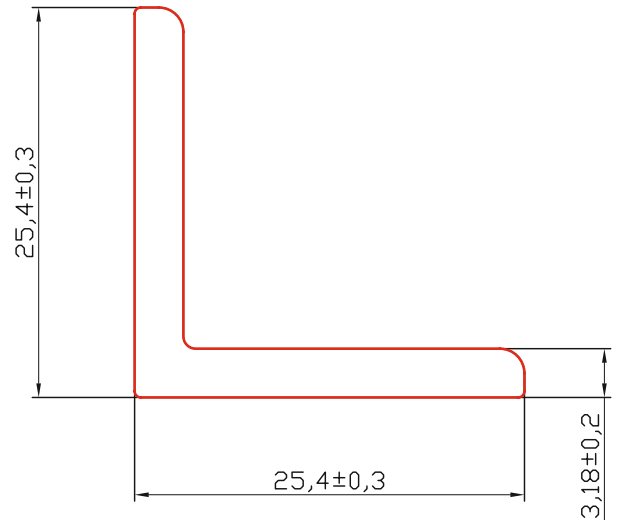
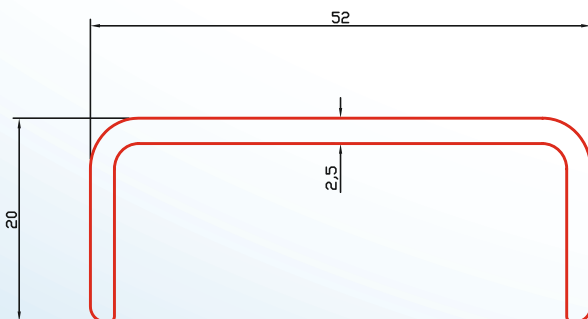
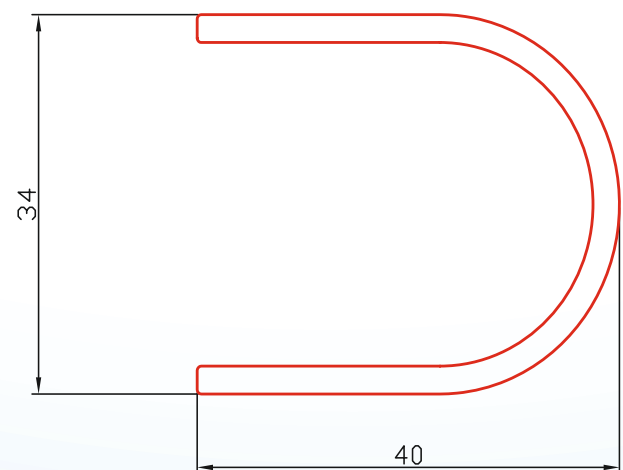


34mm x 29mm U CHANNEL

All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

9019
0.297 kg/m

20mm x 14mm U CC43357
9020
0.423 kg/m

25mm x 25mm ANGLE CC43336
9021
0.365 kg/m

25mm x 19mm ANGLE CC43337
9022
0.657 kg/m

40mm x 34mm U

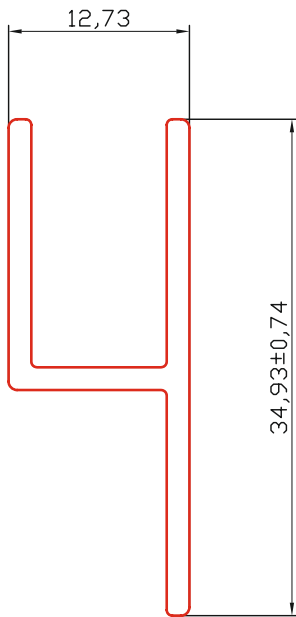
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

9023

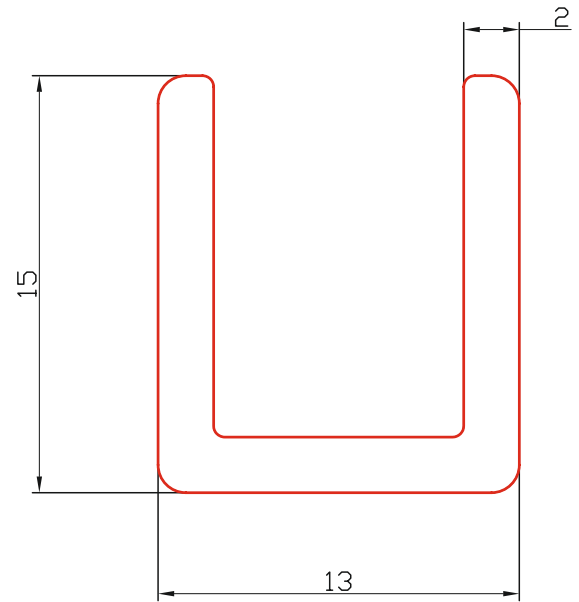
0.281 kg/m



35mm x 11mm Y CC43356

9024

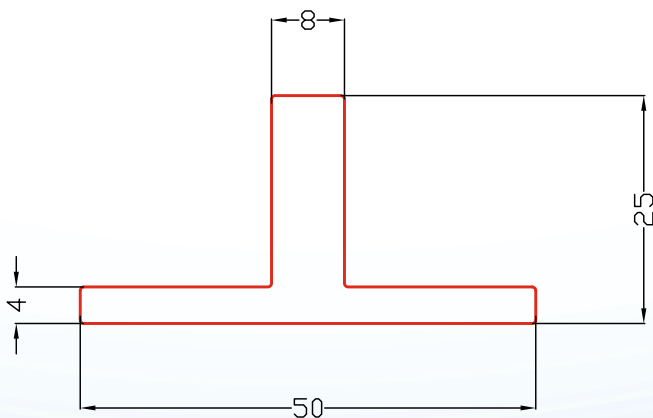
0.215 kg/m



15mm x 13mm x 9 mm U

9025

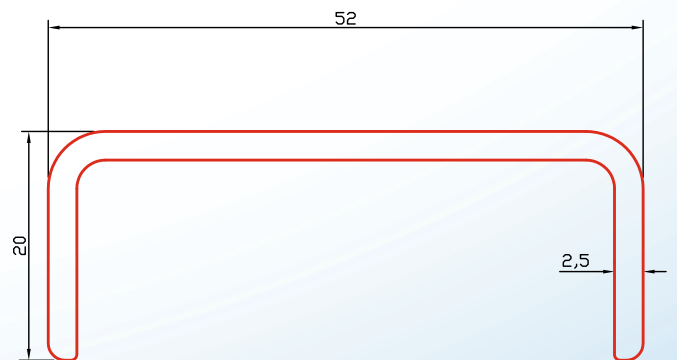
1.024 kg/m



50mm x 25mm T AE56252

9026

0.544 kg/m

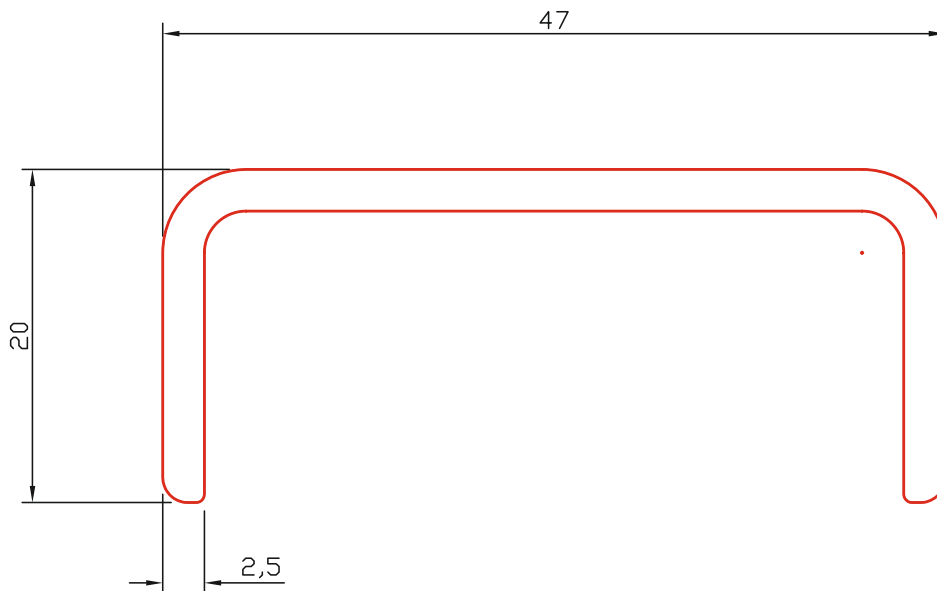


52mm x 20mm U

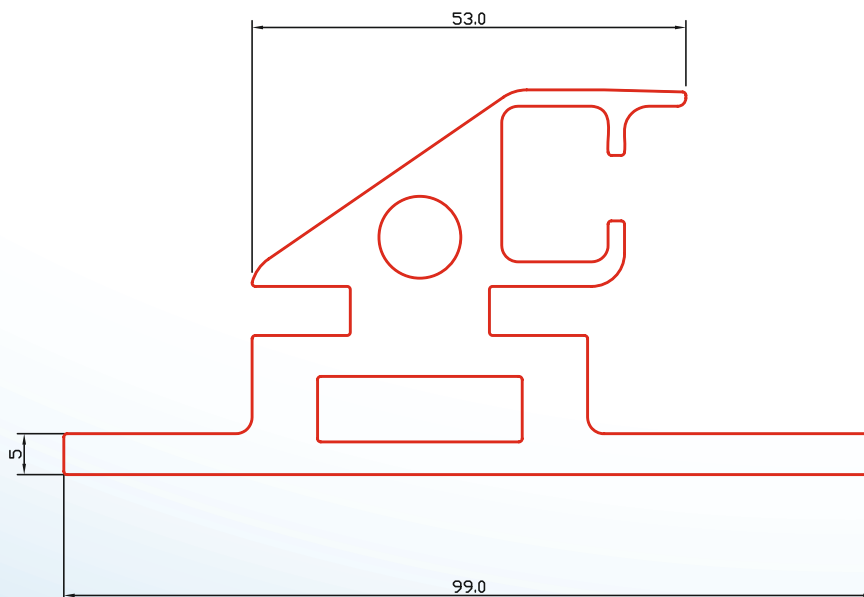
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

9027
0.520 kg/m


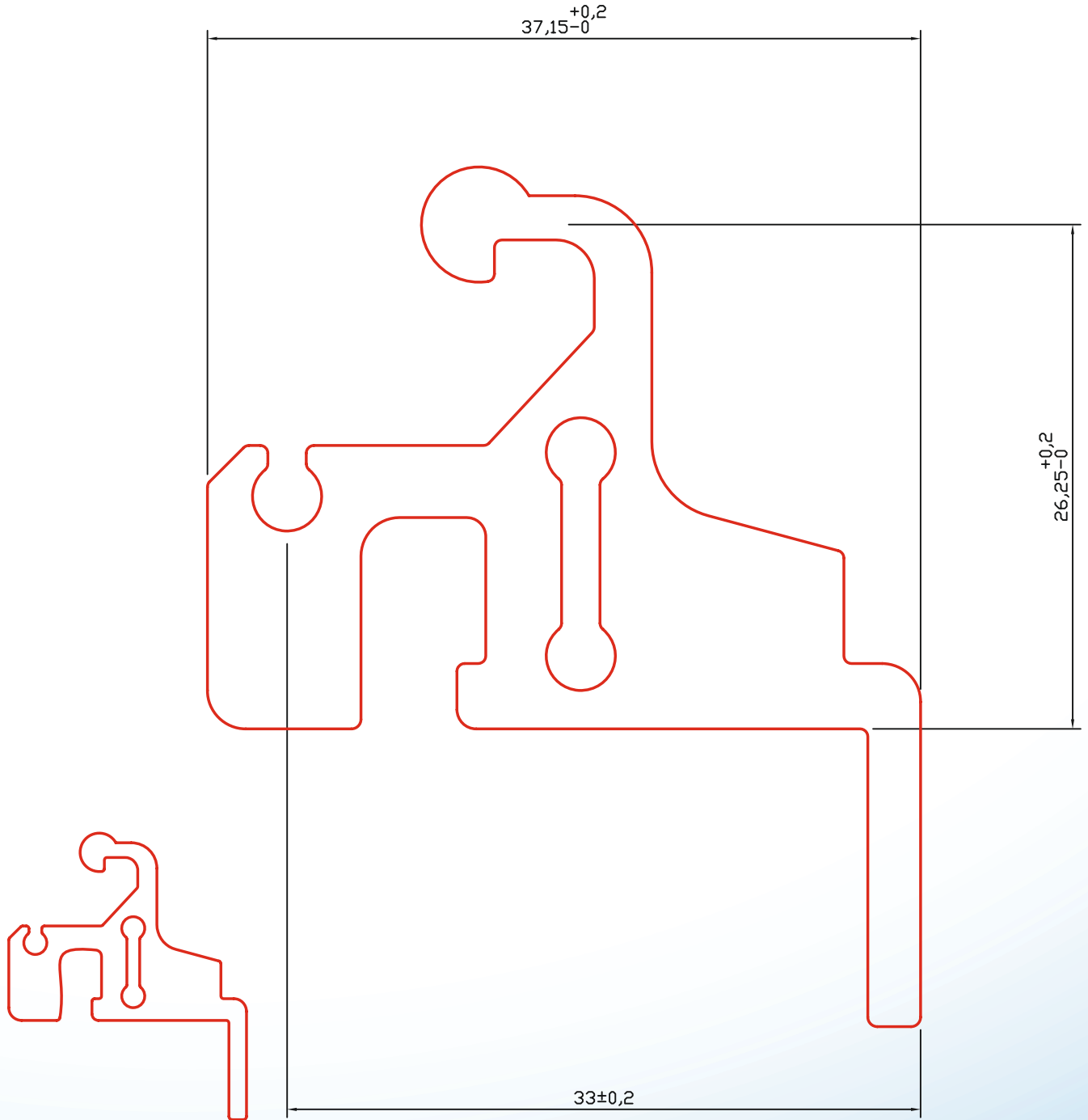
47mm x 20mm U

64119
3.537 kg/m


LW64119

54156

1.270 kg/m



FIX CROSS BAR

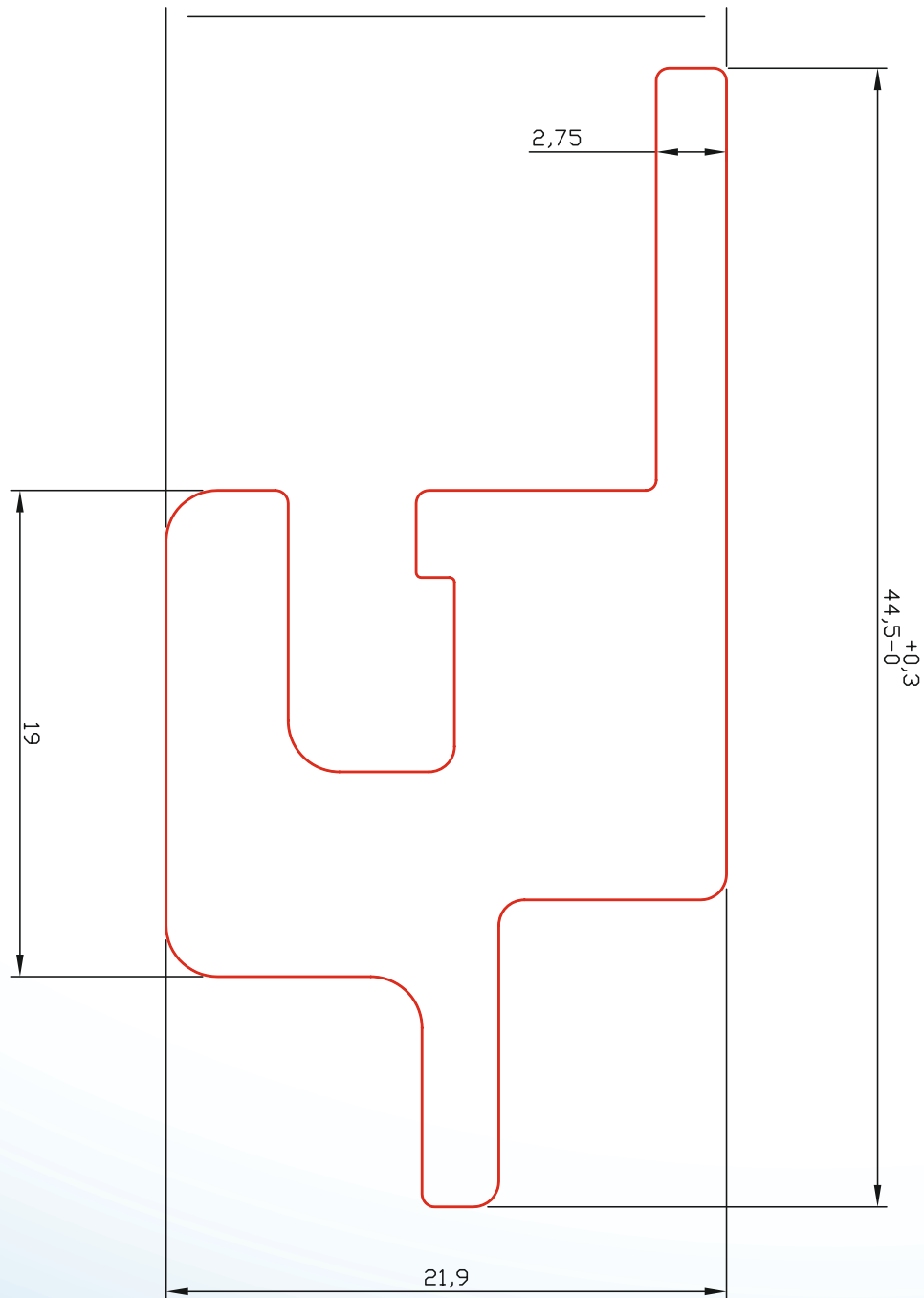
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

54155

1.072 kg/m

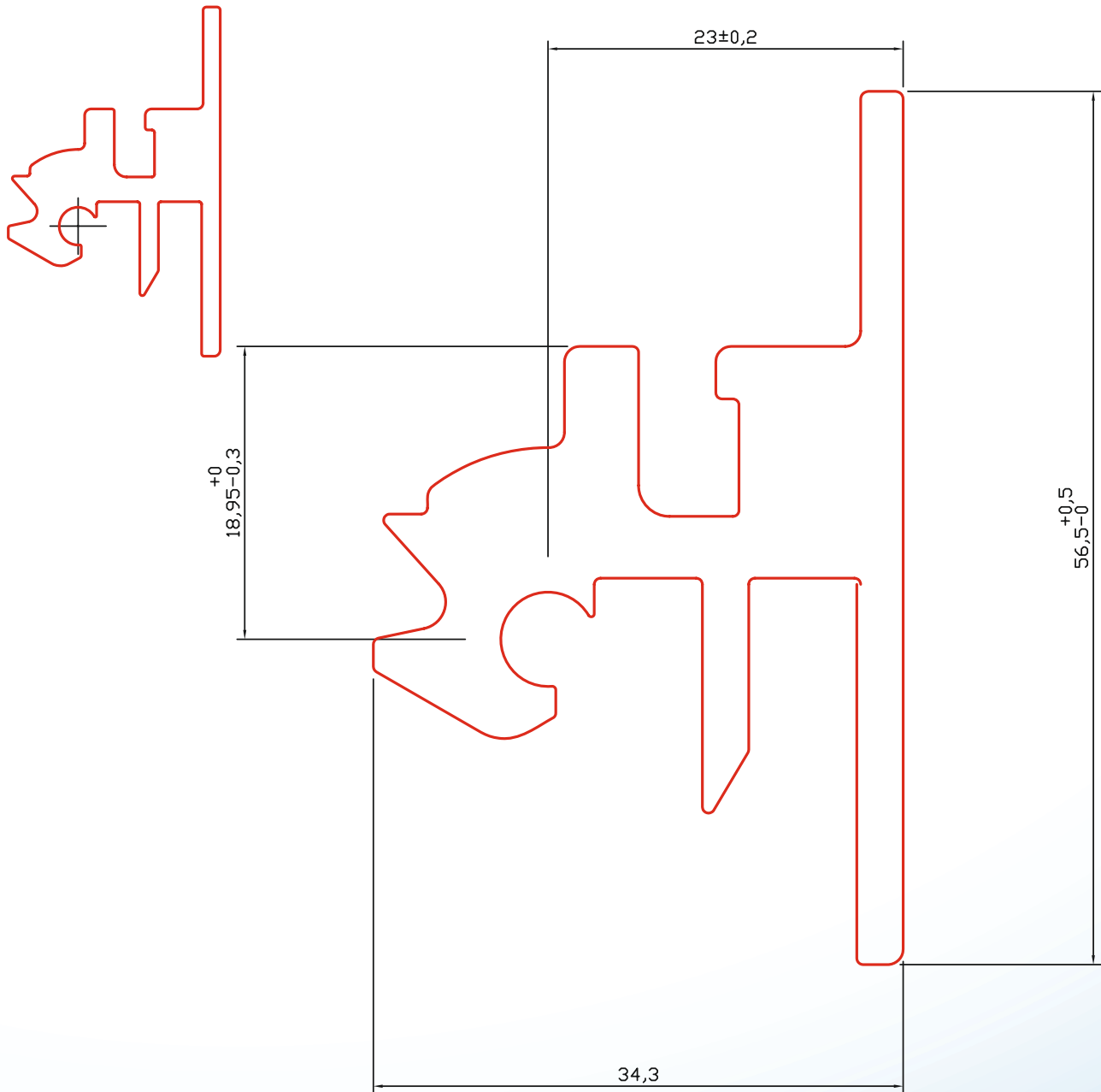


FRAME

All dimensions are in mm.

54157

1.570 kg/m



MOVING CROSS BAR

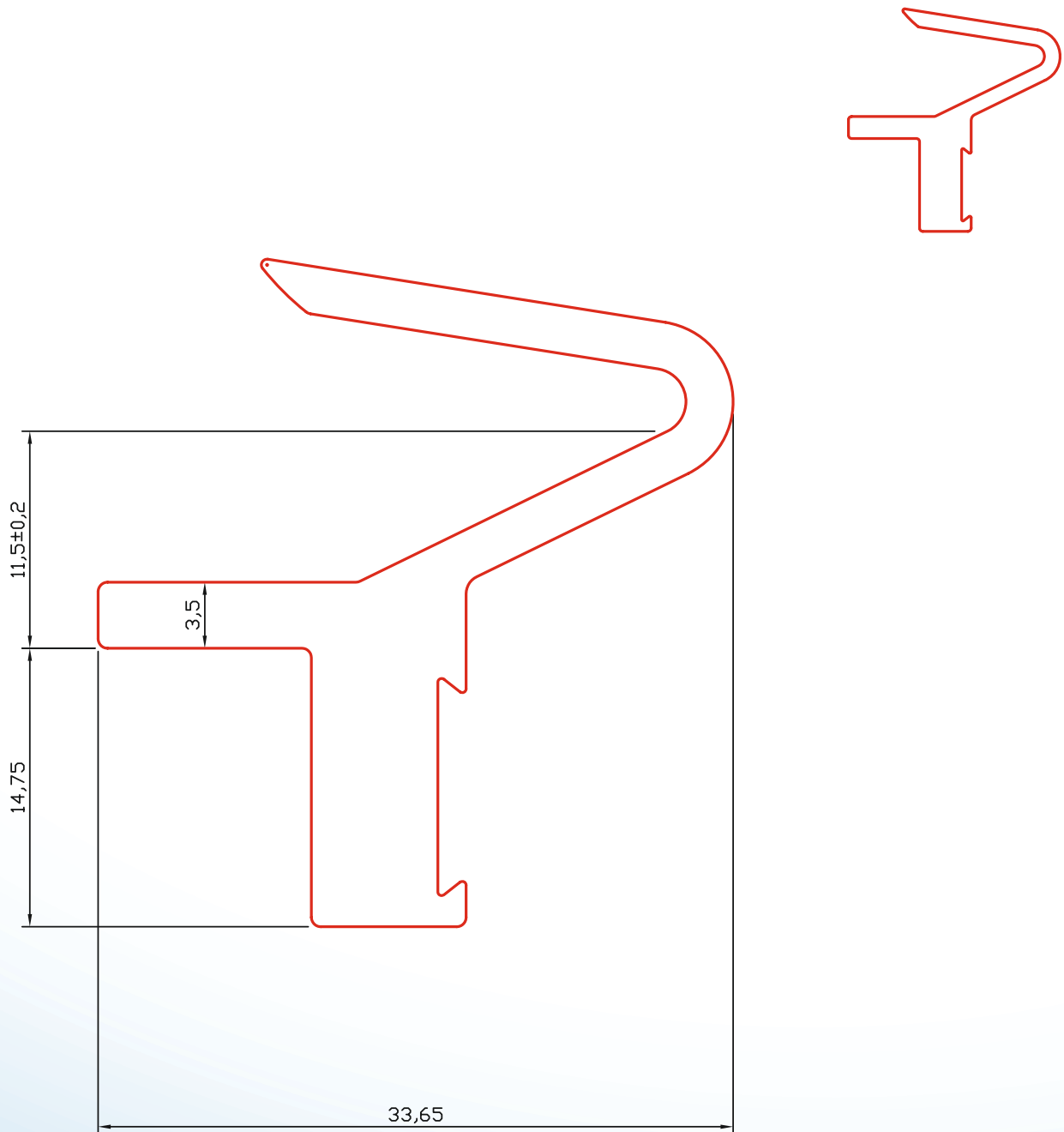
All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

54158

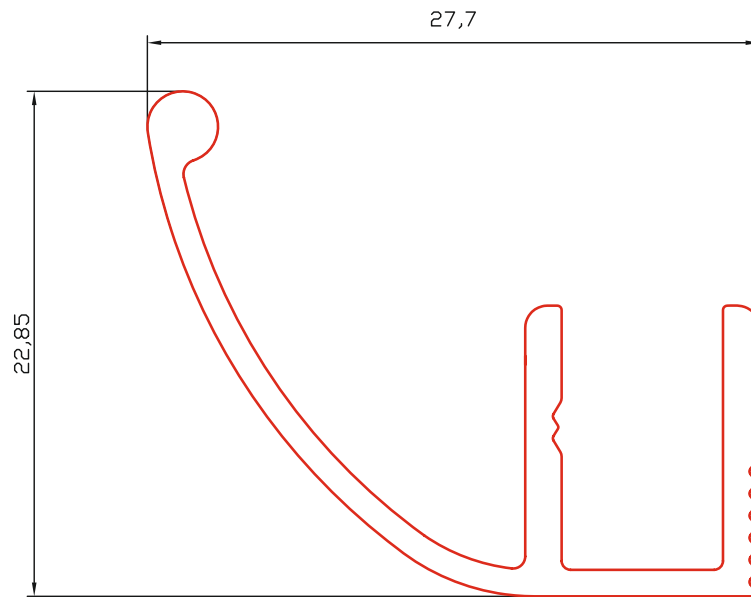
0.765 kg/m



All dimensions are in mm.

54198

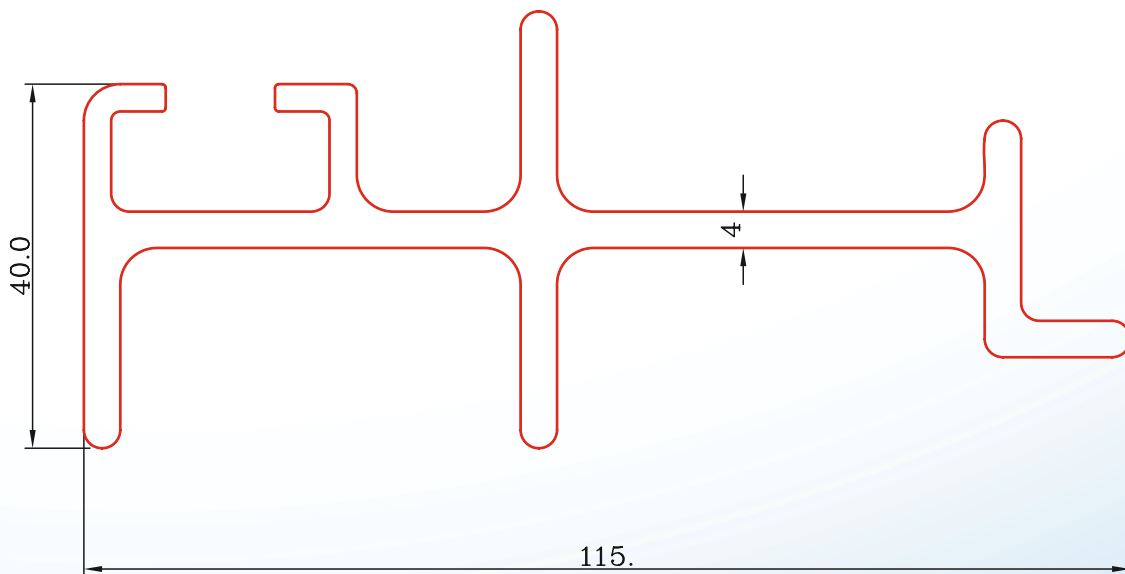
0.238 kg/m



HANDLE

44115

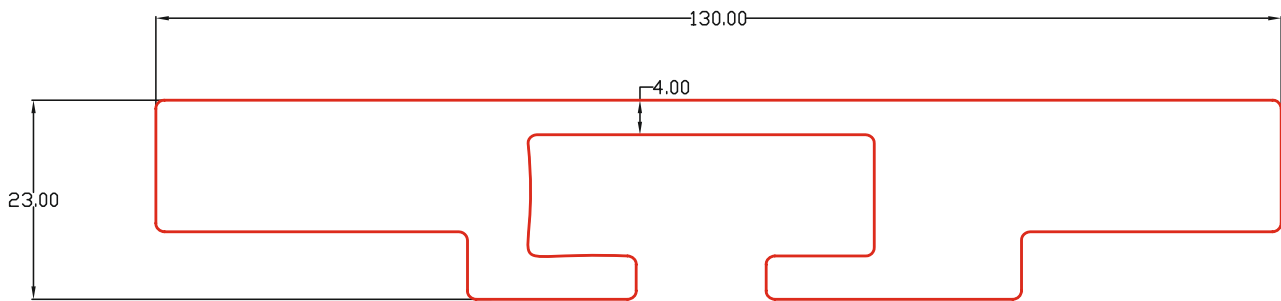
2.560 kg/m



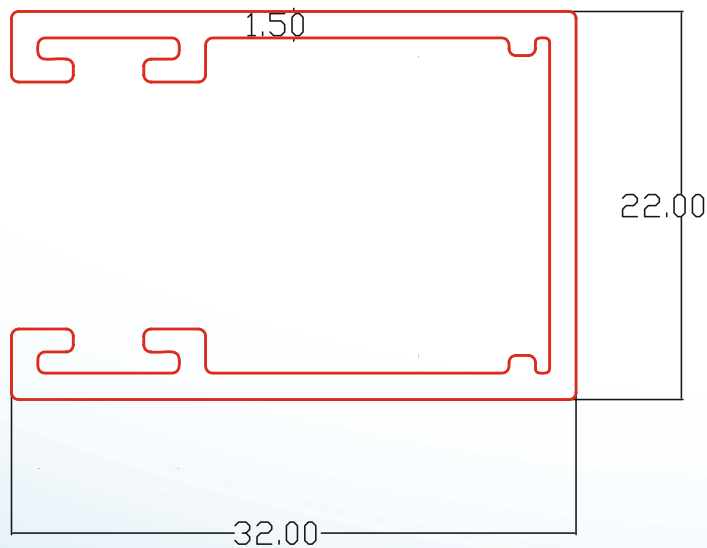
GRILL FRAME

RAILWAYS

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

44140
5.055 kg/m


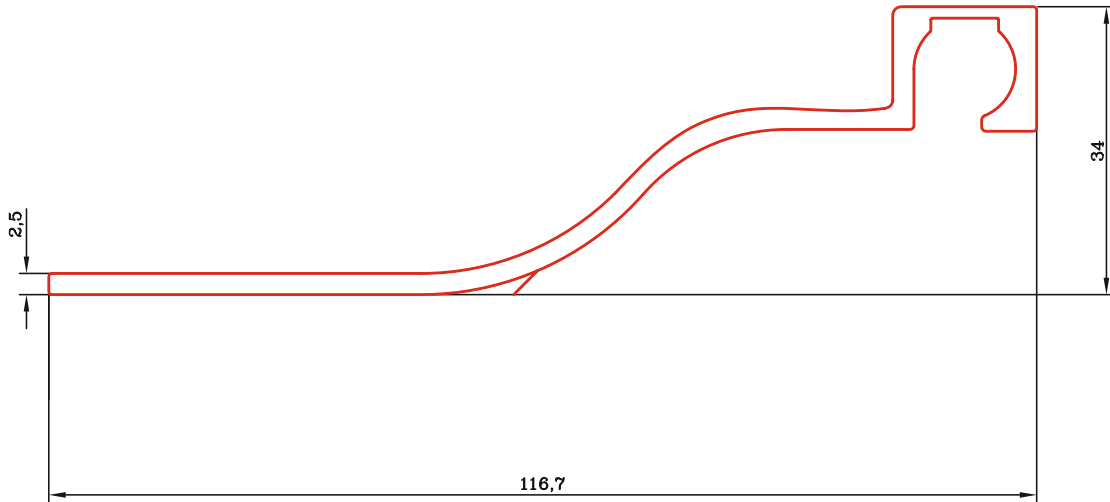
ATTACHMENT PROFILE LW44140

6289
0.425 kg/m


FRAME

62131

1.064 kg/m

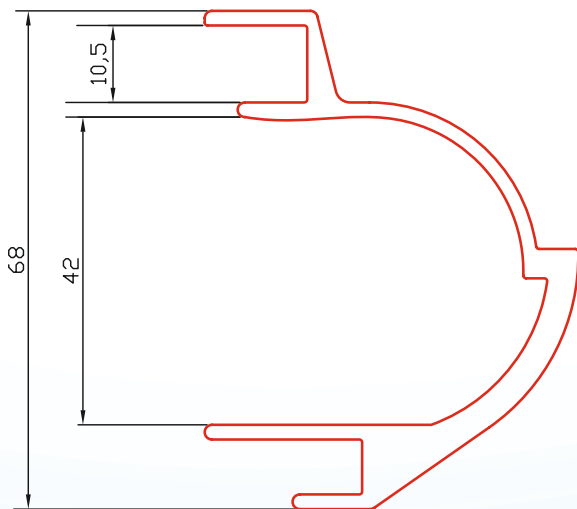


6157

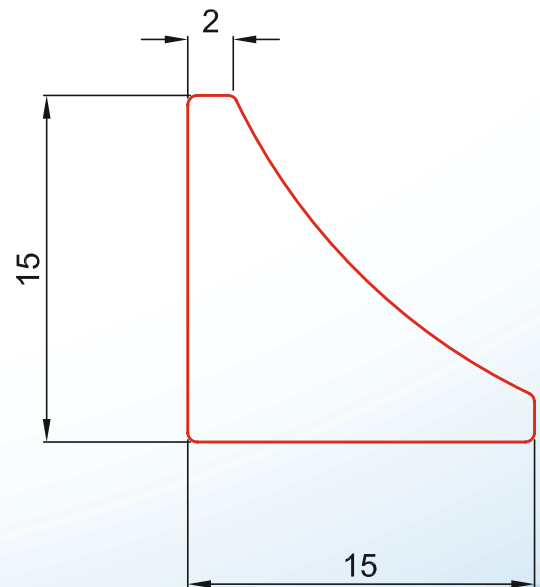
1.281 kg/m

43103

0.327 kg/m



HINGE COVER (LA51118)

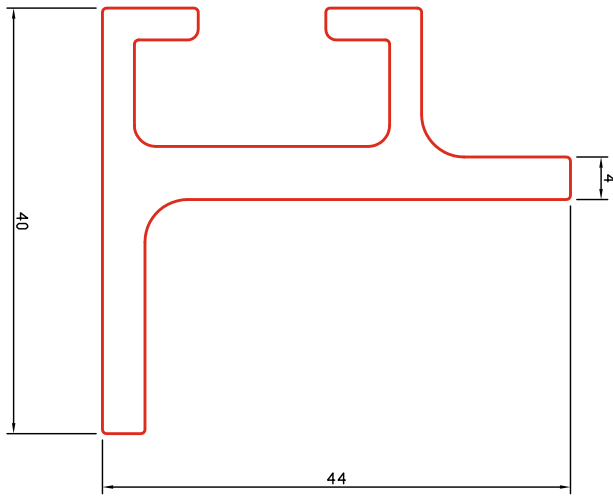
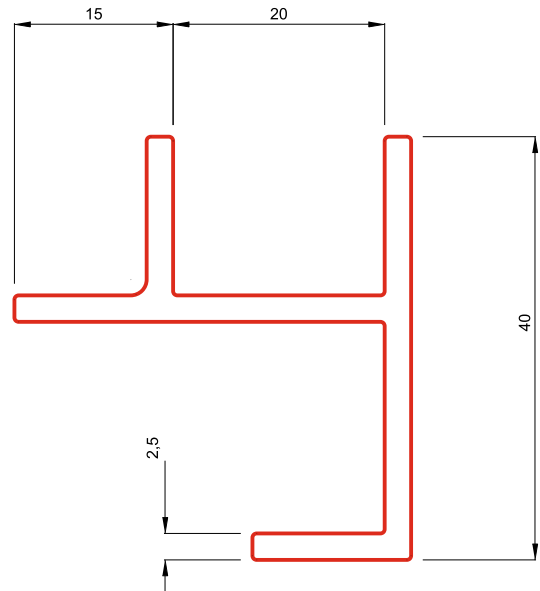
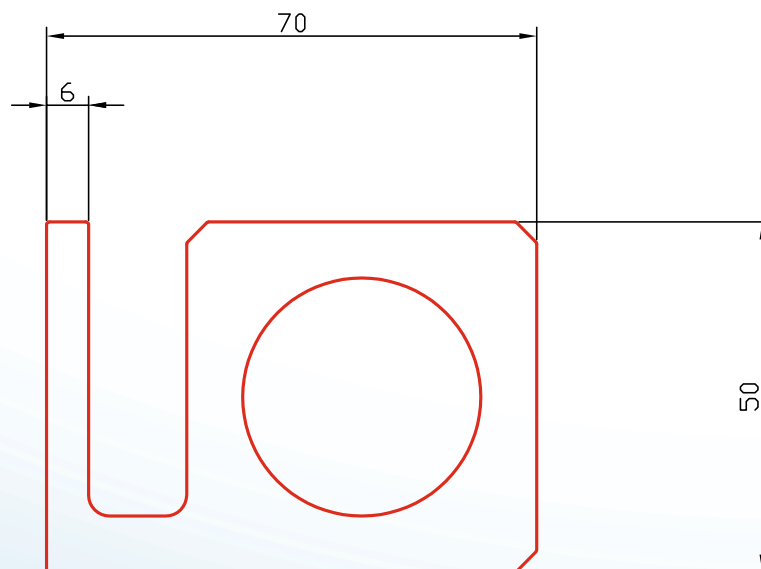


HALF ROUND ANGLE

All dimensions are in mm.

RAILWAYS

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

44114
1.122 kg/m

43104
0.691 kg/m

9009
5.385 kg/m

GUIDE BLOCK LH

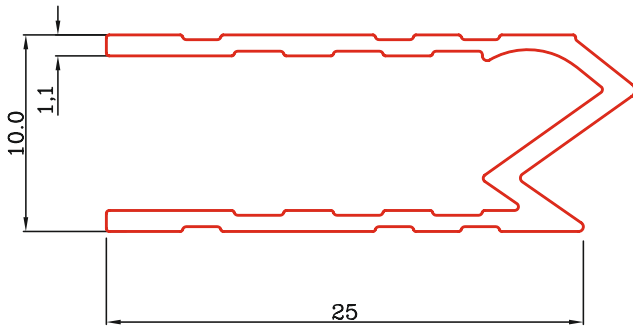
Hardware Profile

Hardware Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

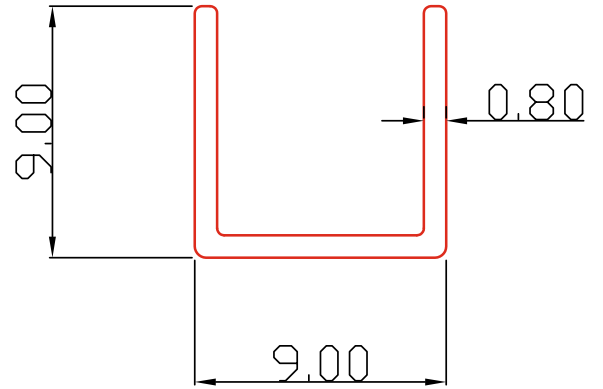
6235

Die No	Description	Weight (Kg/Meter)
6235	M Channel	0.176
6235	M Channel	0.161



M CHANNEL

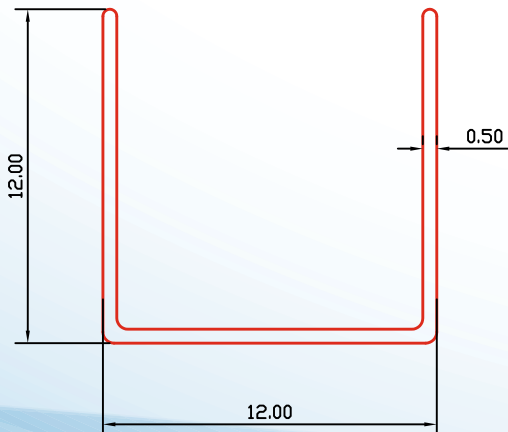
6501 0.050 kg/m



9 MM U CHANNEL

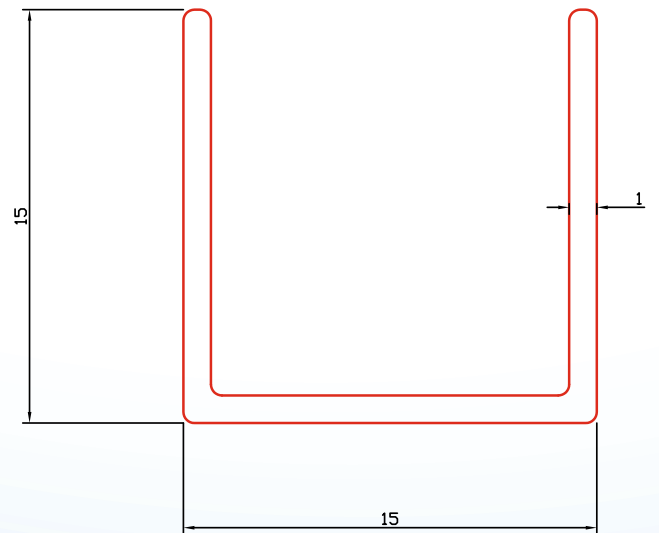
6502

Die No	Description	Weight (Kg/Meter)
6502	12MM U Channel	0.065
6502	12MM U Channel	0.074
6502	12MM U Channel	0.080
6502	12MM U Channel	0.100



12 MM U CHANNEL

6503 0.103 kg/m



15MM U CHANNEL

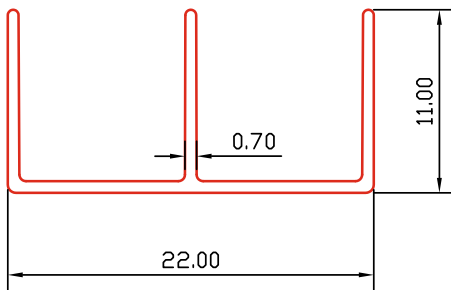
All dimensions are in mm.

Hardware Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6511

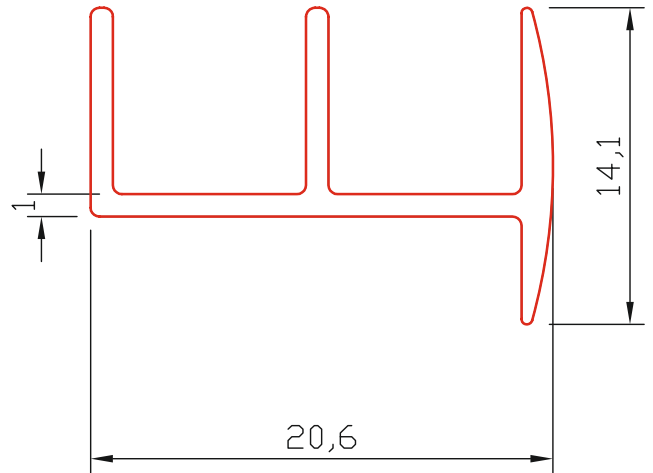
Die No	Description	Weight (Kg/Meter)
6511	22MM E Channel	0.081
6511	22MM E Channel	0.095
6511	22MM E Channel	0.109
6511	22MM E Channel	0.114
6511	22MM E Channel	0.120
6511	22MM E Channel	0.139
6511	22MM E Channel	0.173



22MM E CHANNEL

6512

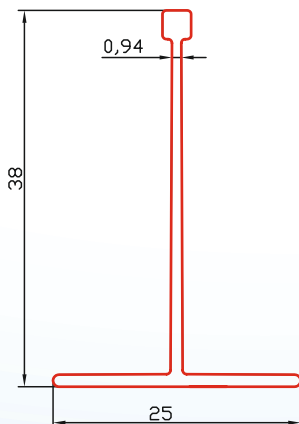
0.133 kg/m



22MM E CHANNEL WITH LEG

7011

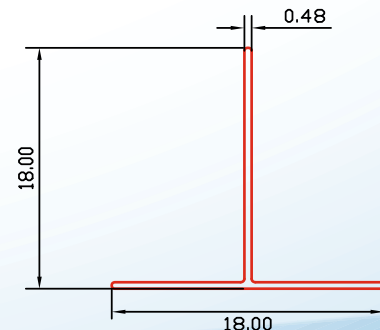
Die No	Description	Weight (Kg/Meter)
7011	1.5" x 1.5" Bulb Tee	0.193
7011	1.5" x 1.5" Bulb Tee	0.207
7011	1.5" x 1.5" Bulb Tee	0.154
7011	1.5" x 1.5" Bulb Tee	0.112



1.5" x 1.5" BULB TEE

7012

Die No	Description	Weight (Kg/Meter)
7012	0.75" x 0.75" Plain Tee	0.067
7012	0.75" x 0.75" Plain Tee	0.078
7012	0.75" x 0.75" Plain Tee	0.087
7012	0.75" x 0.75" Plain Tee	0.096
7012	0.75" x 0.75" Plain Tee	0.114
7012	0.75" x 0.75" Plain Tee	0.120
7012	0.75" x 0.75" Plain Tee	0.125
7012	0.75" x 0.75" Plain Tee	0.133



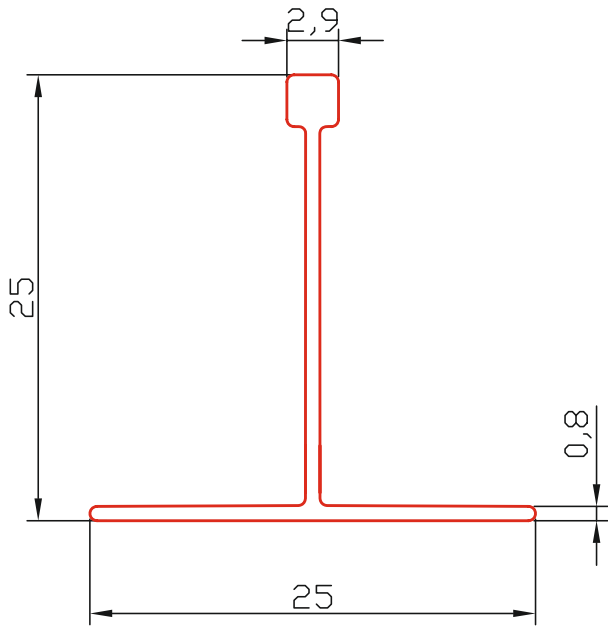
0.75" x 0.75" PLAIN TEE

All dimensions are in mm.

Hardware Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

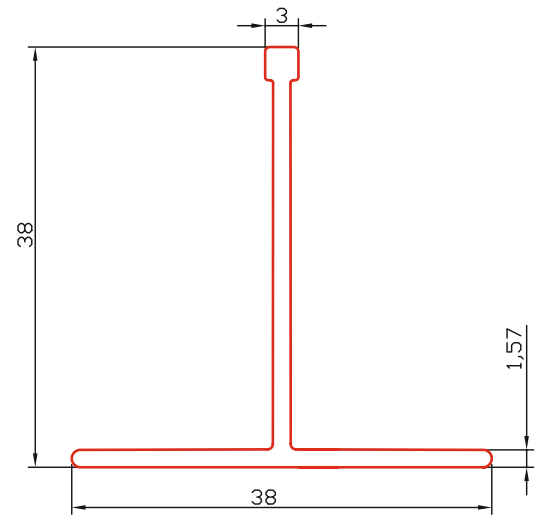
7015 0.137 kg/m



1" x 1" BULB TEE

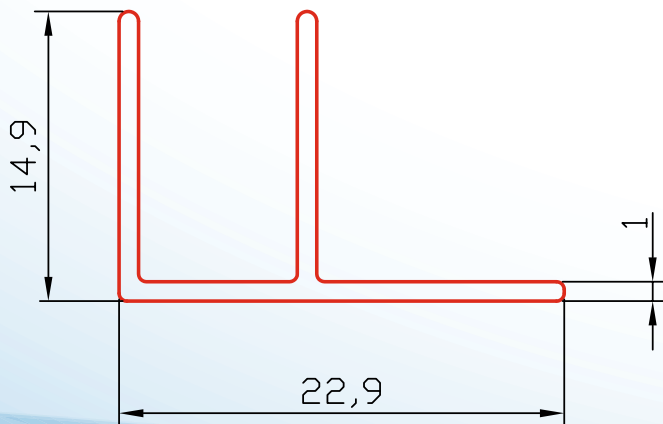
7016

Die No	Description	Weight (Kg/Meter)
7016	1.5" x 1.5" Bulb Tee	0.336
7016	1.5" x 1.5" Bulb Tee	0.266



1.5" x 1.5" BULB TEE

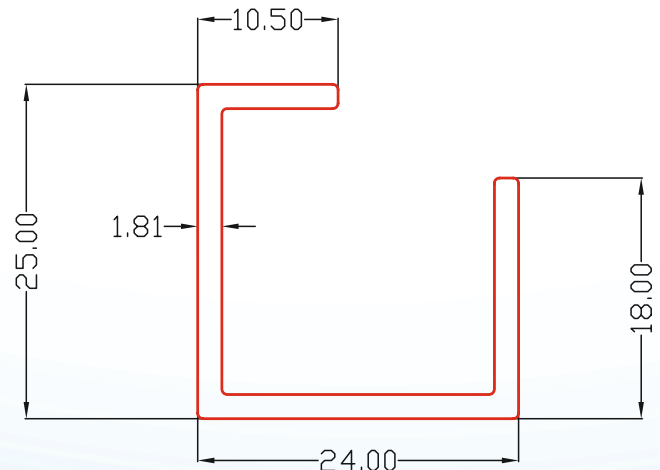
7017 0.146 kg/m



F CHANNEL

7020

Die No	Description	Weight (Kg/Meter)
7020	1" x 1" G Channel	0.357
7020	1" x 1" G Channel	0.518

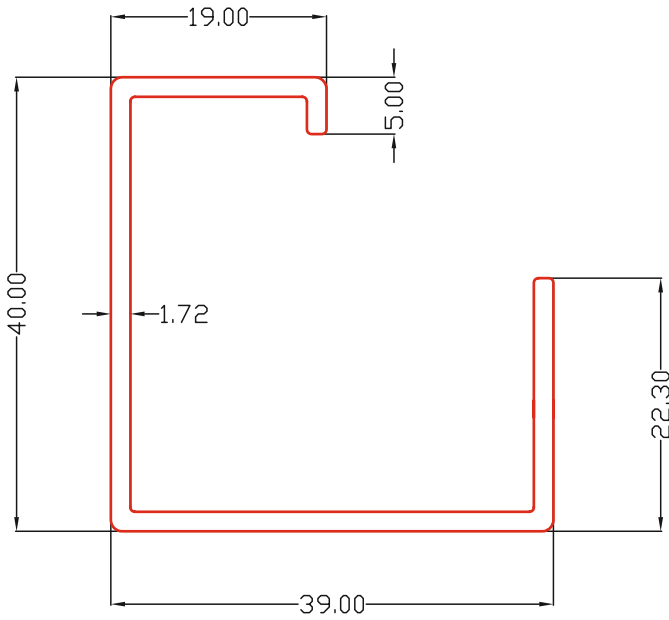


1" x 1" G CHANNEL

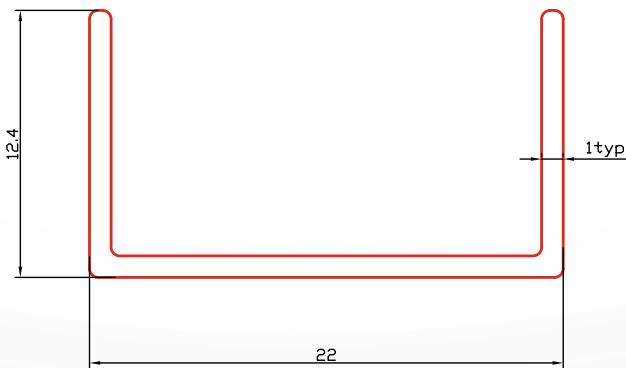
All dimensions are in mm.

Hardware Profile

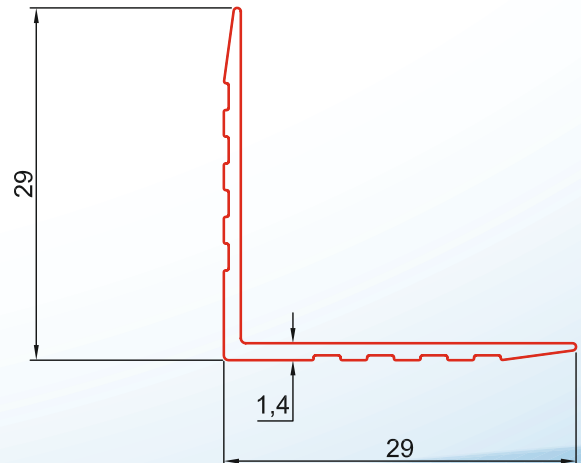
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

7021


Die No	Description	Weight (Kg/Meter)
7021	1.5" x 1.5" G Channel	0.612
7021	1.5" x 1.5" G Channel	0.730
7021	1.5" x 1.5" G Channel	0.787

1.5" x 1.5" G CHANNEL
6252
0.105 kg/m

U CHANNEL 22 x 11
6055

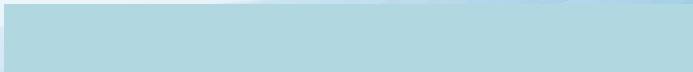
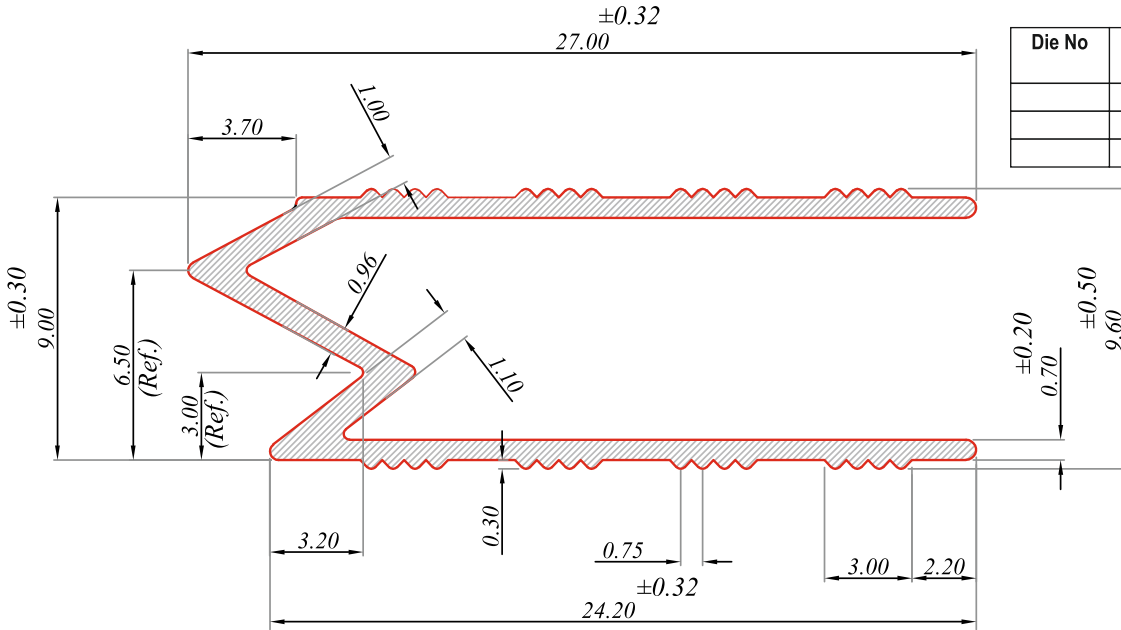
Die No	Description	Weight (Kg/Meter)
6055	1.25" Fluted Angle	0.183
6055/A	1.25" Fluted Angle	0.166


1.25" FLUTED ANGLE
All dimensions are in mm.

Hardware Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6235 **0.143 kg/m**



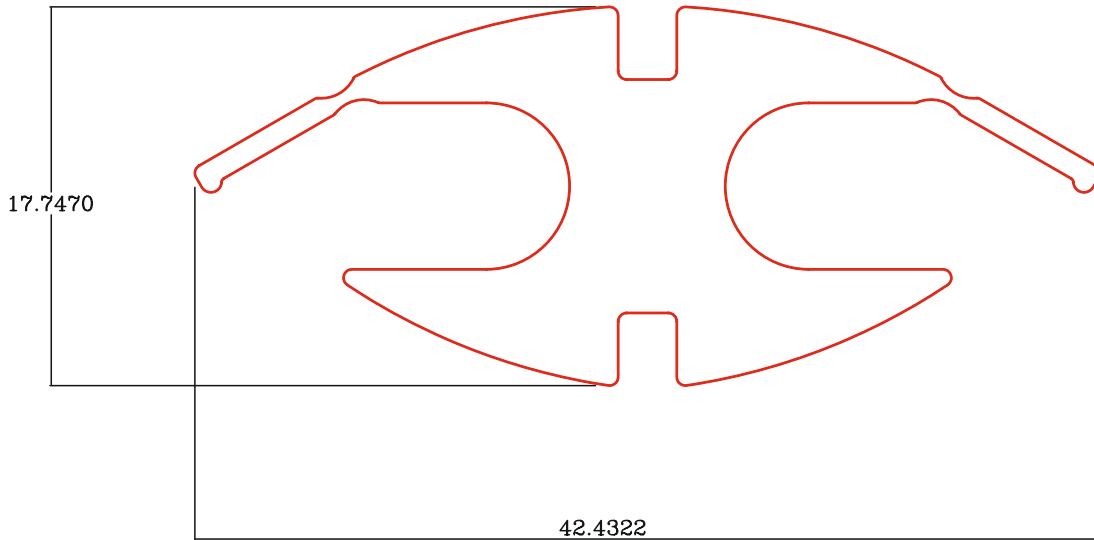
All dimensions are in mm.

*Miscellaneous
Profile*

Miscellaneous Profile

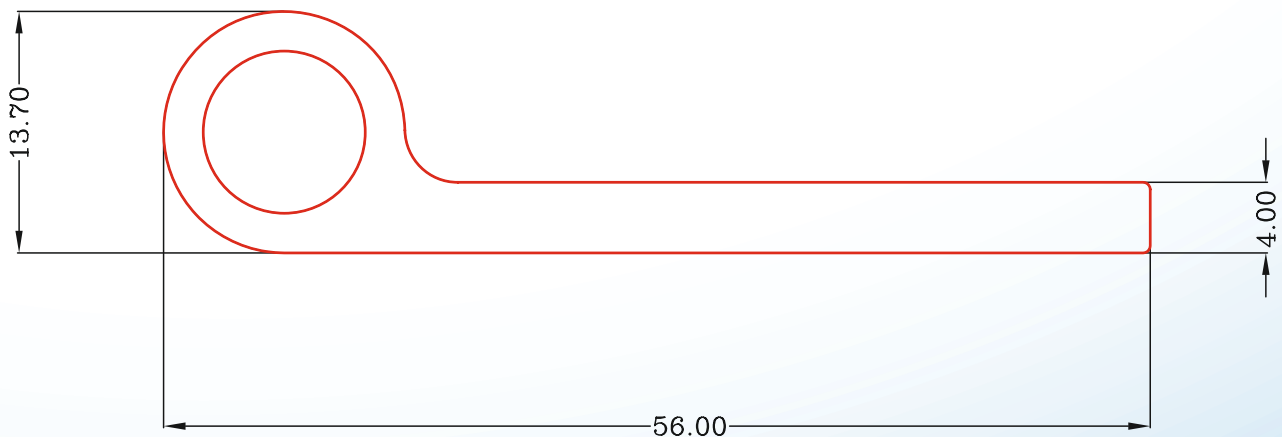
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6160 **0.743 kg/m**



CABLE CARRIER

6165 **0.704 kg/m**

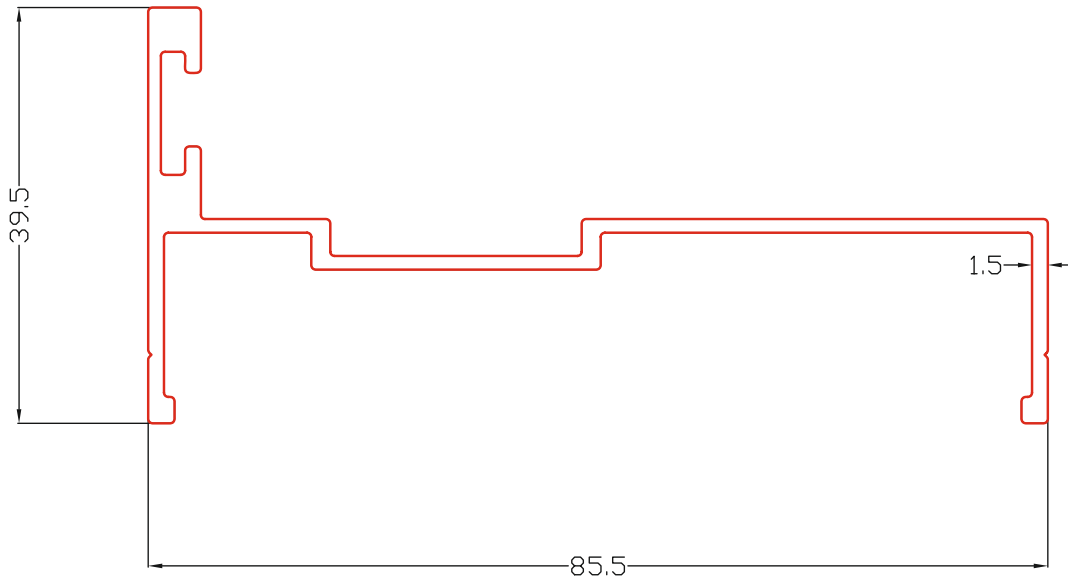


HINGE

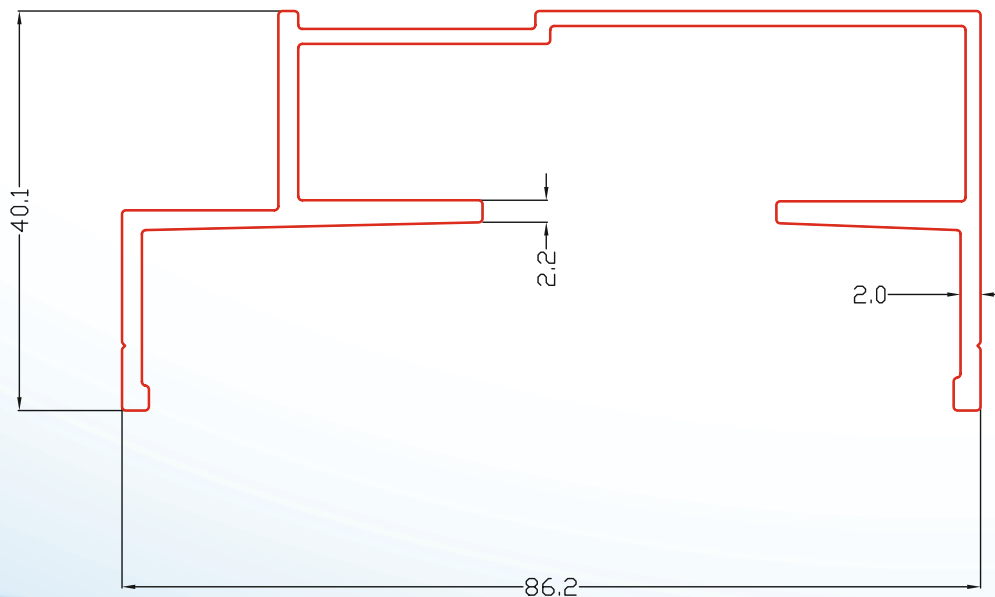
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6167
0.651 kg/m


INDUSTRIAL SECTION

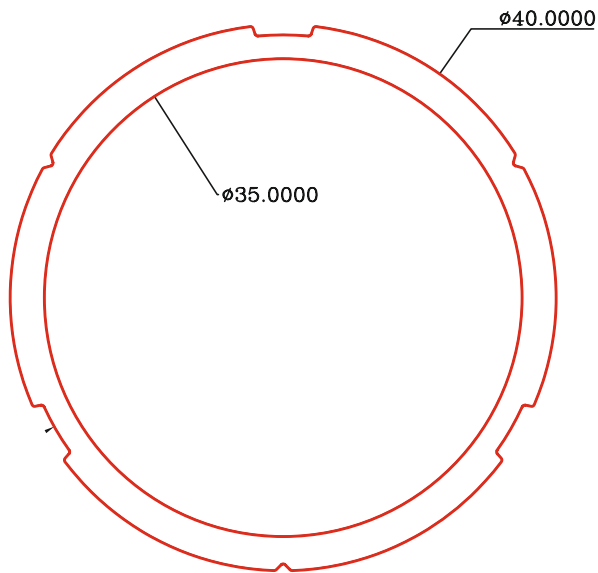
6168
0.718 kg/m


INDUSTRIAL SECTION

All dimensions are in mm.

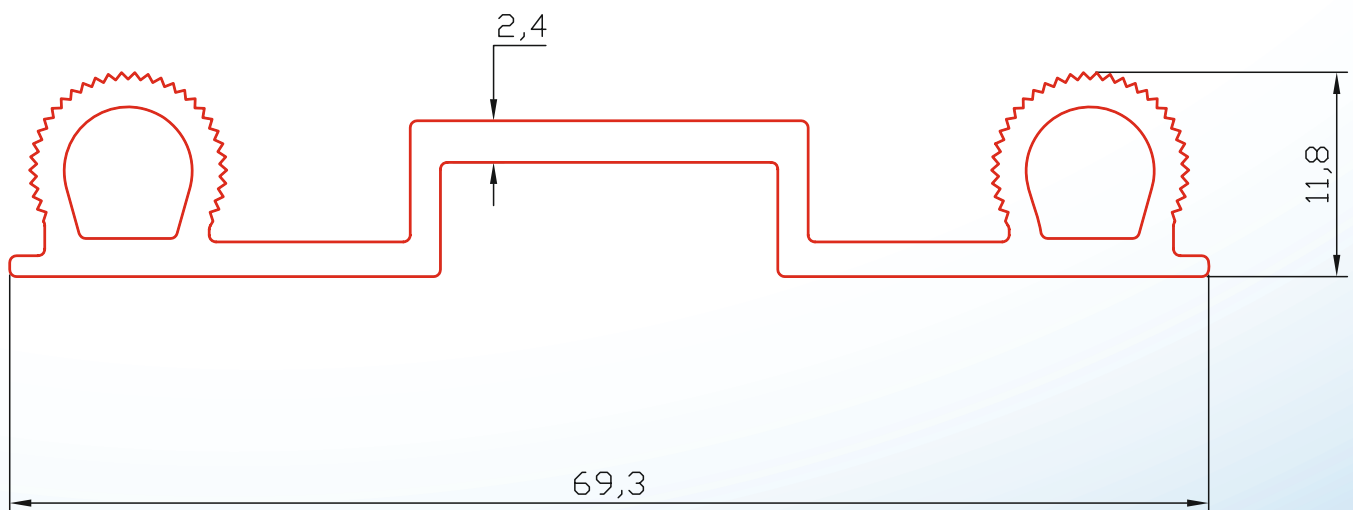
Miscellaneous Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6169


Die No	Description	Weight (Kg/Meter)
6169	Slotted Round Tube	0.703
6169	Slotted Round Tube	0.830

SLOTTED ROUND TUBE

6170
0.667 kg/m


SLIDING FRAME

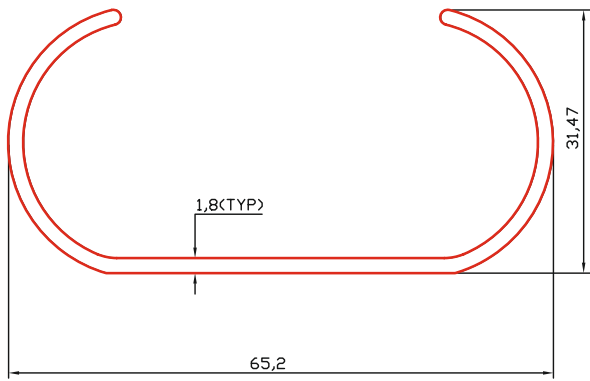
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6177

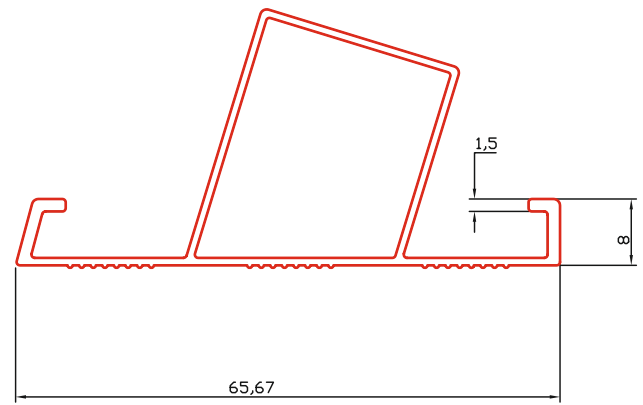
Die No	Description	Weight (Kg/Meter)
6177	Ladder Section	0.680
6177	Ladder Section	0.349



C LADDER

6180

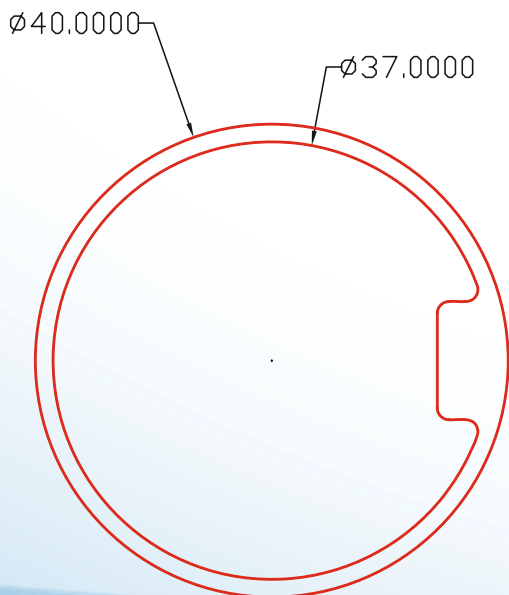
Die No	Description	Weight (Kg/Meter)
6180	Ladder Step	0.656
6180	Ladder Step	0.384



STEP LADDER

6172

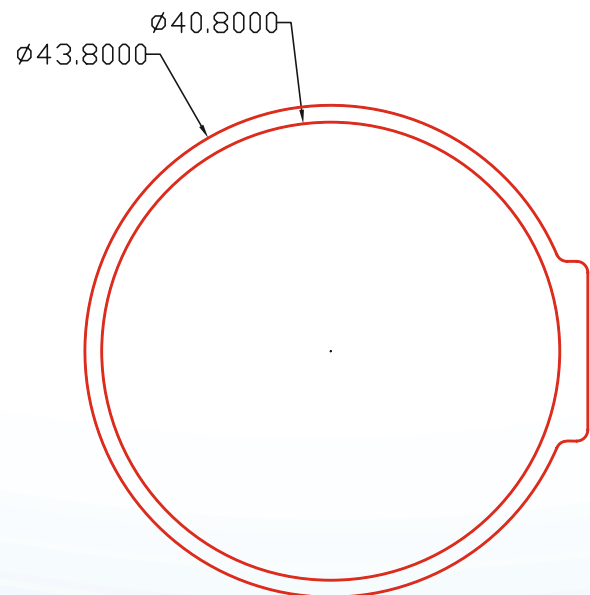
0.620 kg/m



SLOTTED TUBE

6173

0.602 kg/m



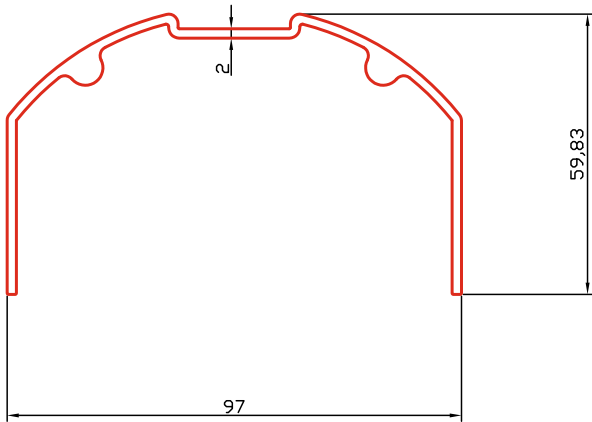
SLOTTED TUBE

All dimensions are in mm.

Miscellaneous Profile

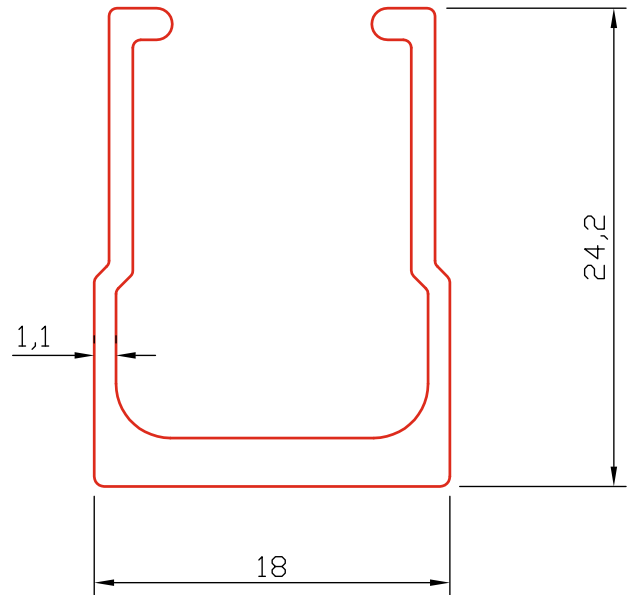
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6174 **1.245 kg/m**



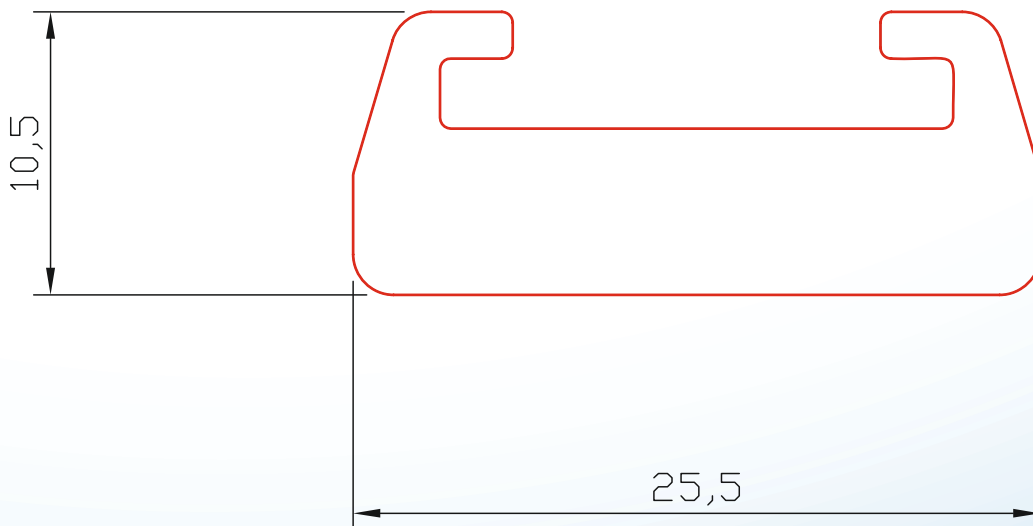
LIGHT COVER

6508 **0.274 kg/m**



LIGHT COVER

6179 **0.485 kg/m**



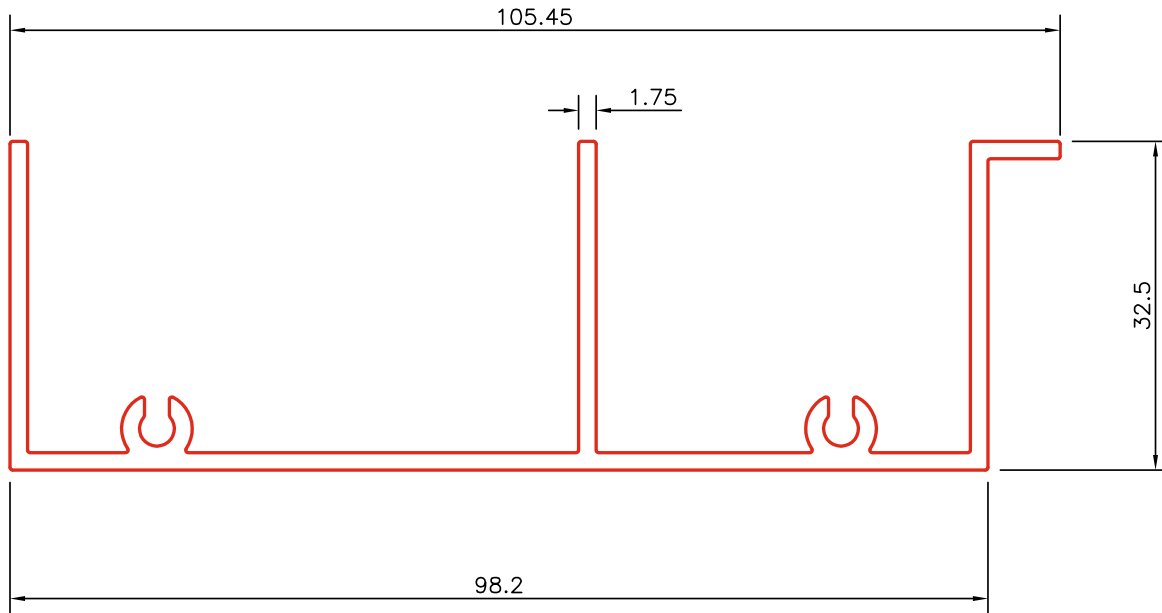
CAMERA SLIDER

All dimensions are in mm.

Miscellaneous Profile

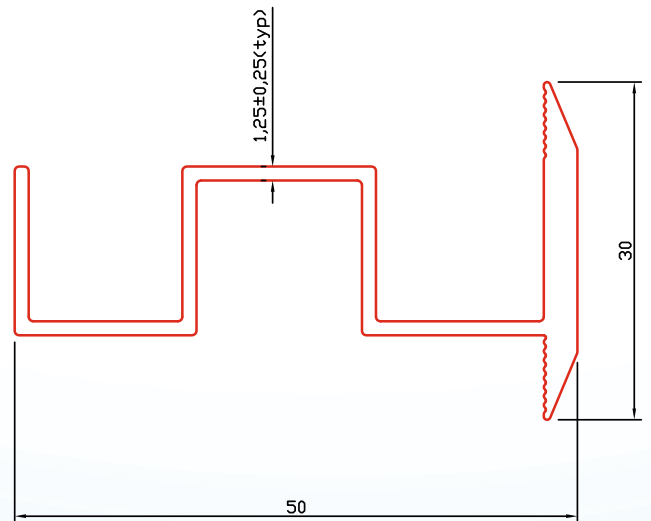
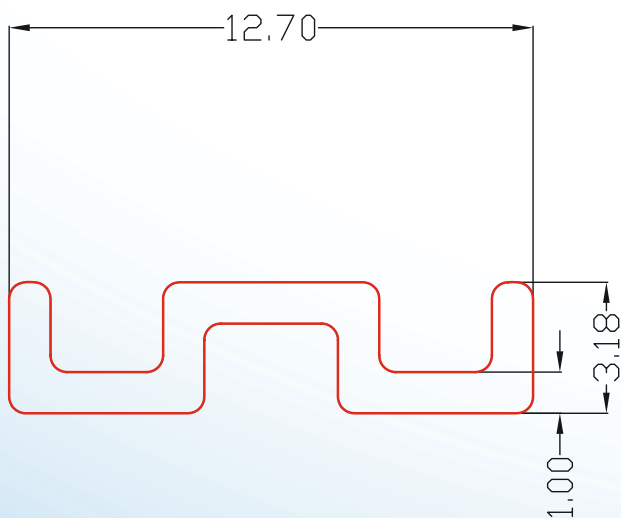
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6184 **0.997 kg/m**



6185 **0.057 kg/m**

6189 **0.486 kg/m**



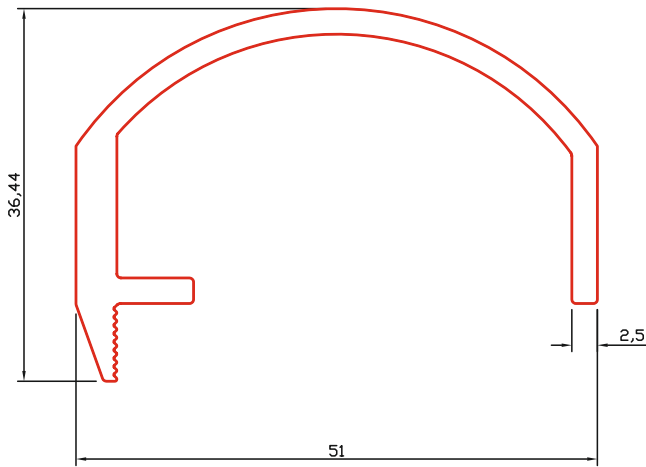
W SECTION

W SECTION

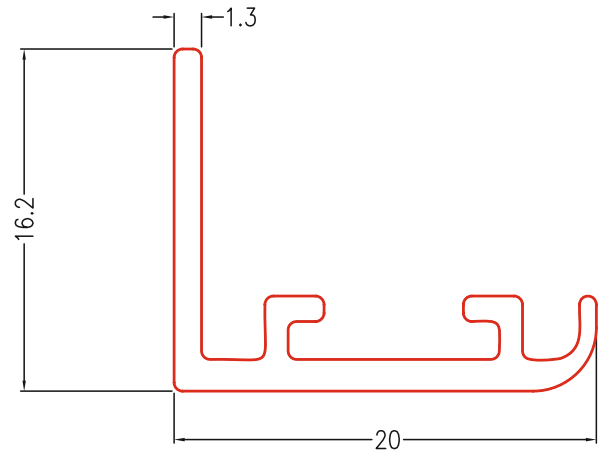
All dimensions are in mm.

Miscellaneous Profile

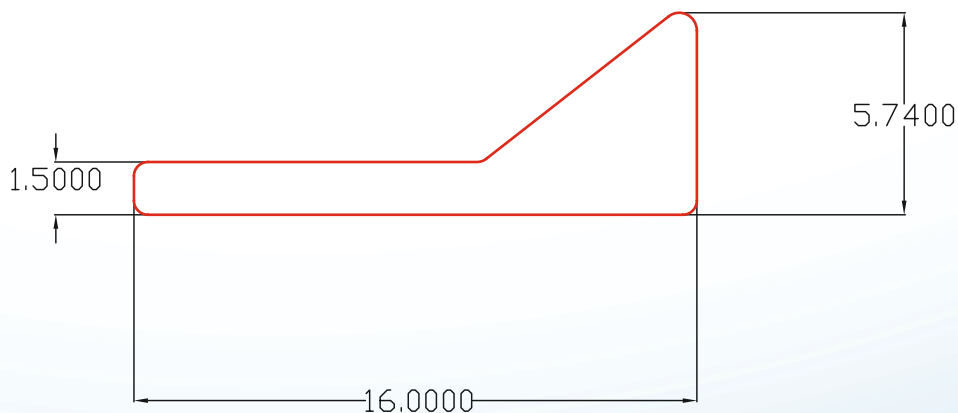
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6190
0.733 kg/m

U CHANNEL
6191

Die No	Description	Weight (Kg/Meter)
6191	A/C Angle	0.153
6191	A/C Angle	0.150
6191	A/C Angle	0.136


AC ANGLE
6192

Die No	Description	Weight (Kg/Meter)
6192	A/C Flat	0.136
6192	A/C Flat	0.090
6192	A/C Flat	0.078

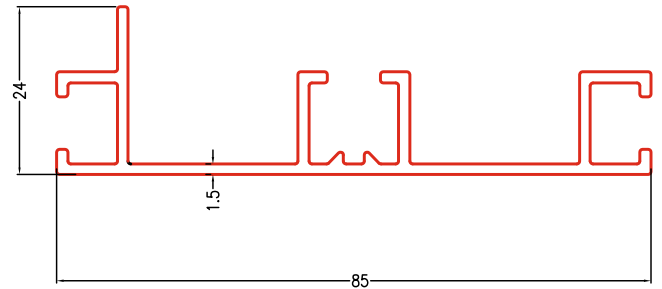
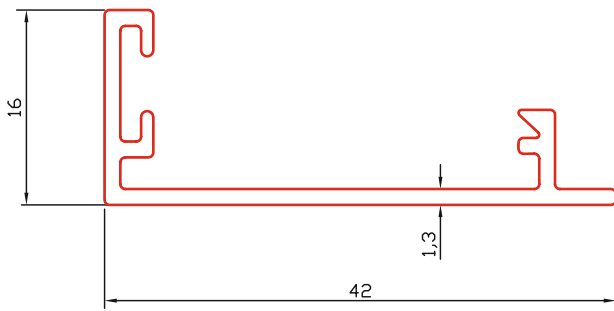

AC FLAT
All dimensions are in mm.

Miscellaneous Profile

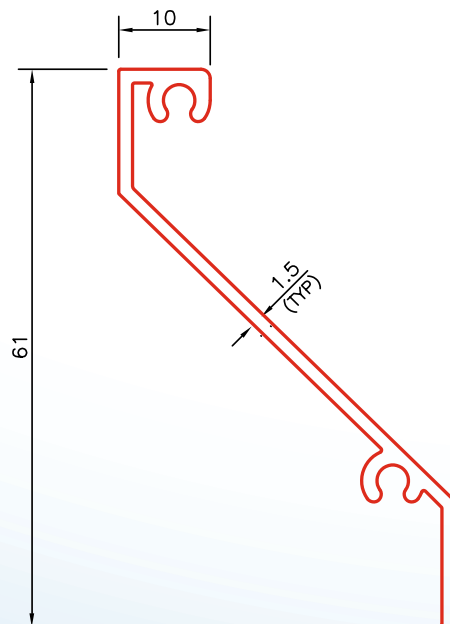
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6220 0.255 kg/m

6226 0.592 kg/m



6227 0.421 kg/m



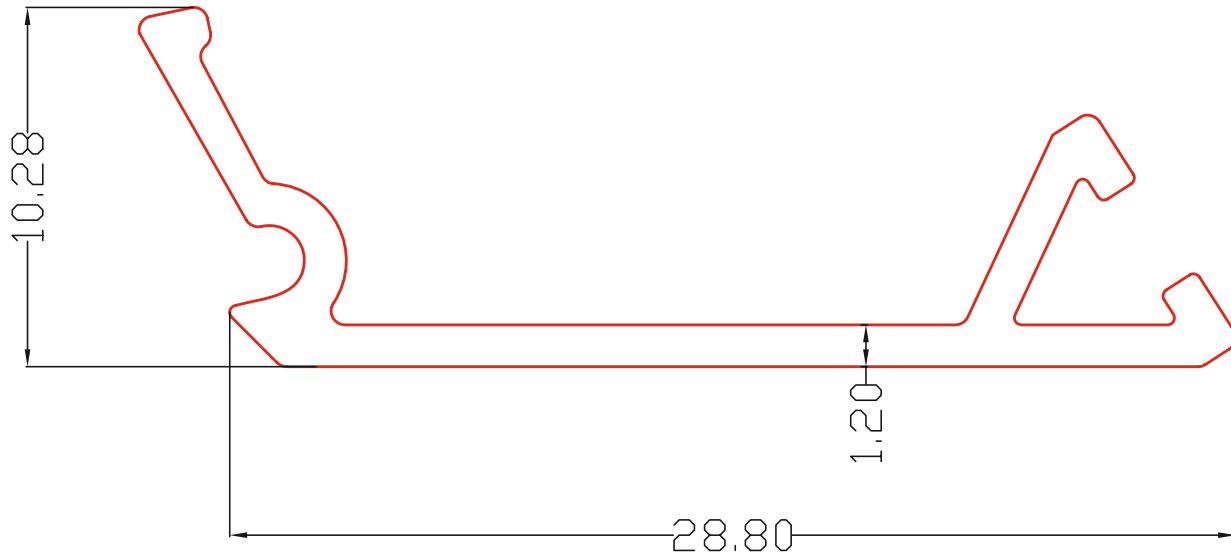
LOUVER SECTION

All dimensions are in mm.

Miscellaneous Profile

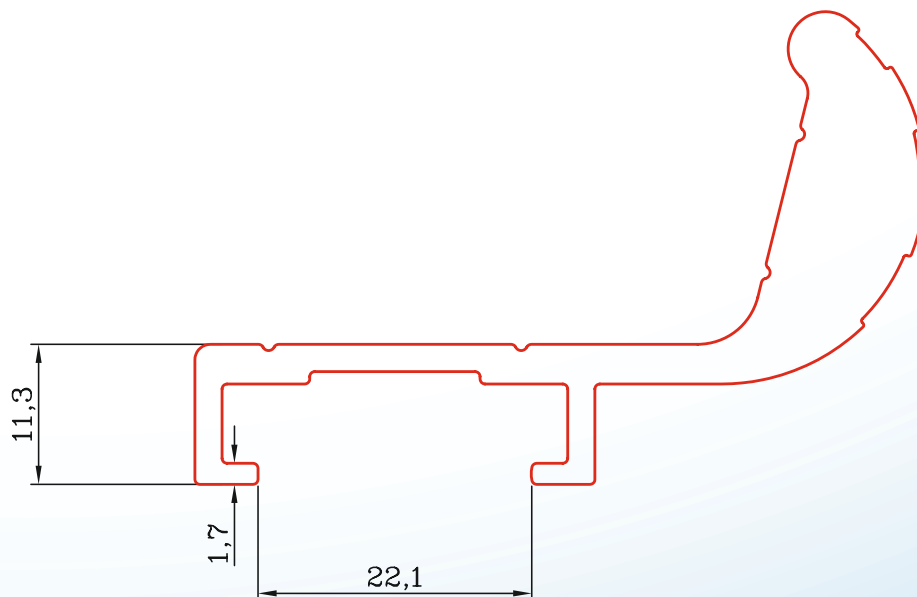
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6228 **0.183 kg/m**



BEADING

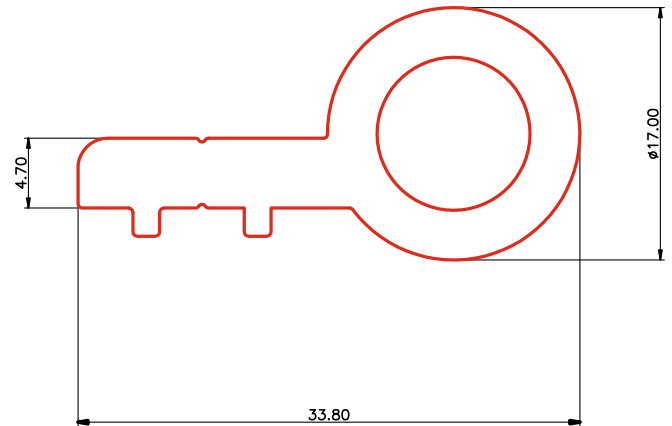
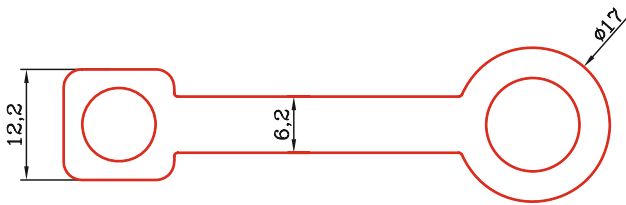
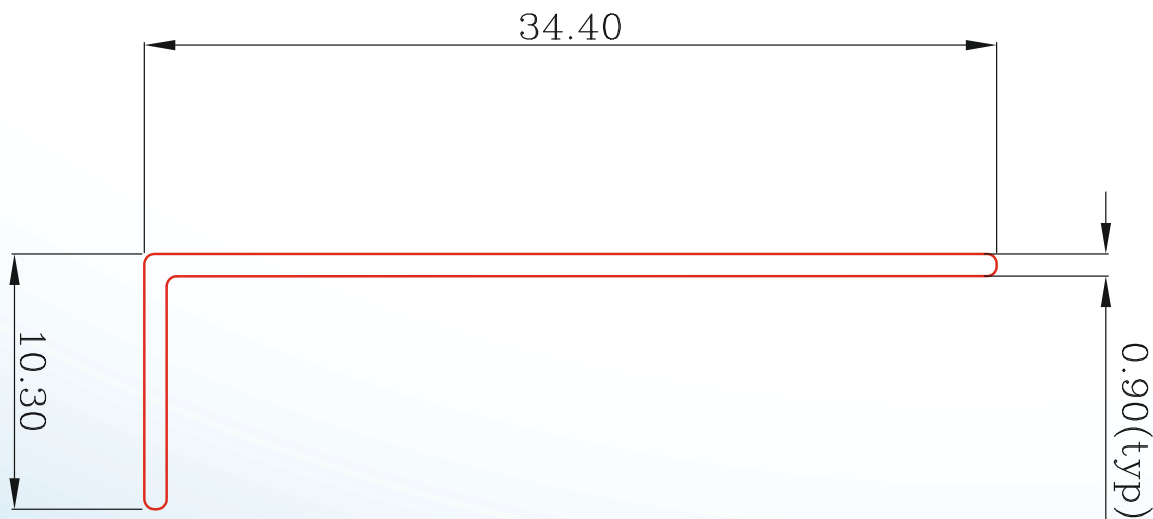
6230 **1.206 kg/m**



All dimensions are in mm.

Miscellaneous Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

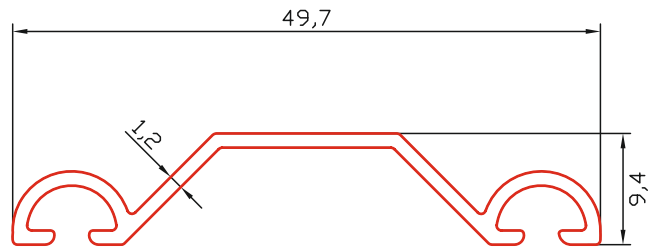
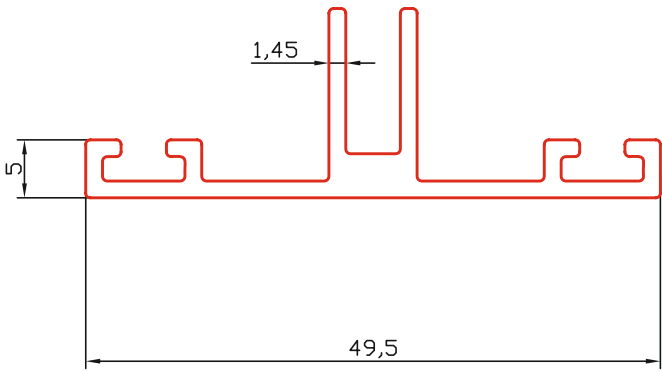
6231
1.143 kg/m
6232
0.630 kg/m

6246
0.095 kg/m

34 mm x 10 mm ANGLE
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6266 **0.415 kg/m**

6265 **0.244 kg/m**

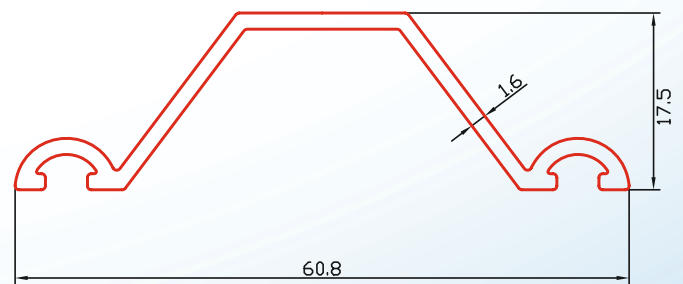
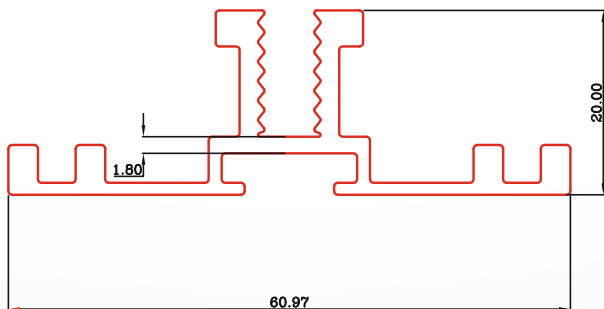


6292 **0.645 kg/m**

6251 **0.378 kg/m**

6292 **0.645 kg/m**

6251 **0.378 kg/m**



6292 **0.645 kg/m**

6251 **0.378 kg/m**

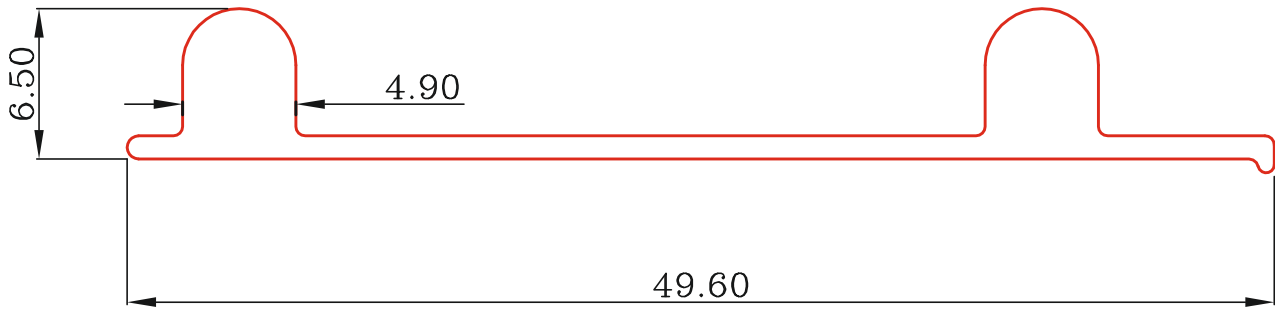
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

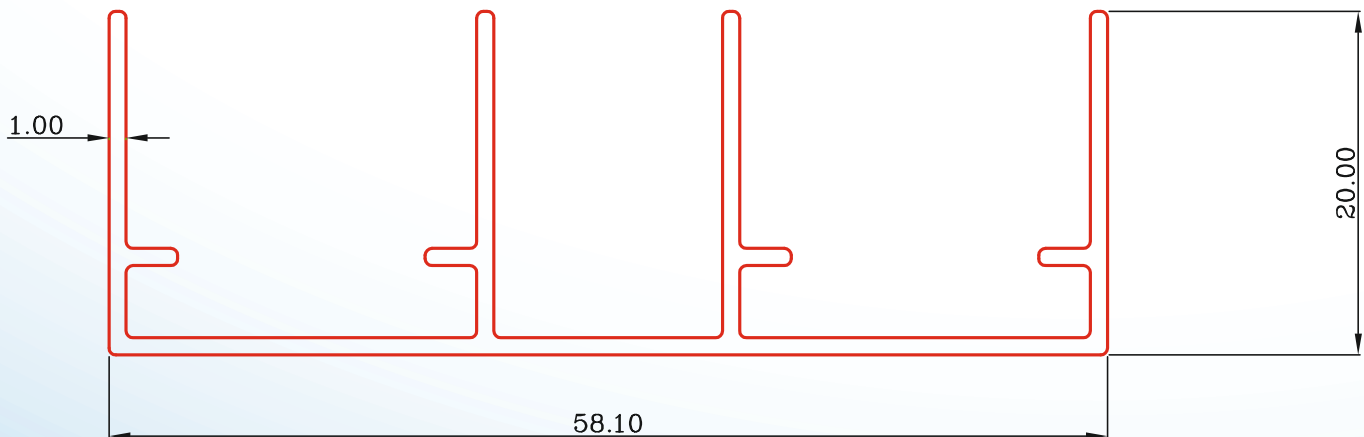
6407

0.252 kg/m



6408

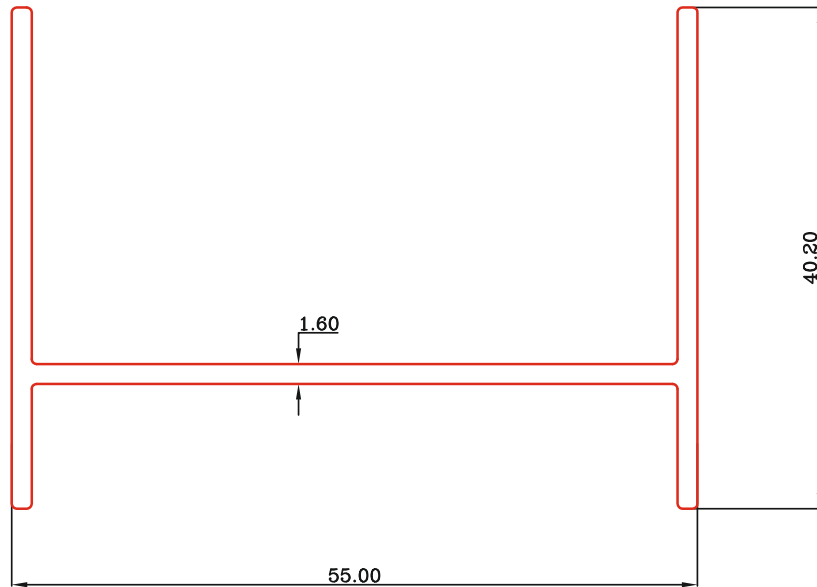
0.347 kg/m



Miscellaneous Profile

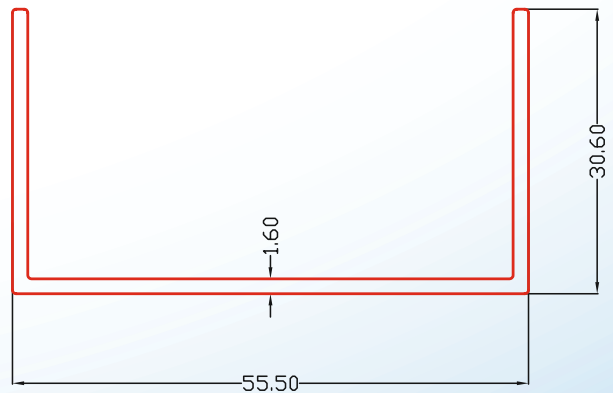
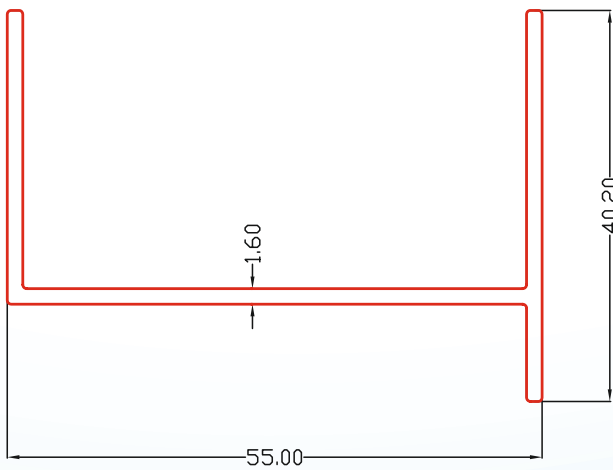
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6272 **0.562 kg/m**



6273 **0.520 kg/m**

6274 **0.483 kg/m**

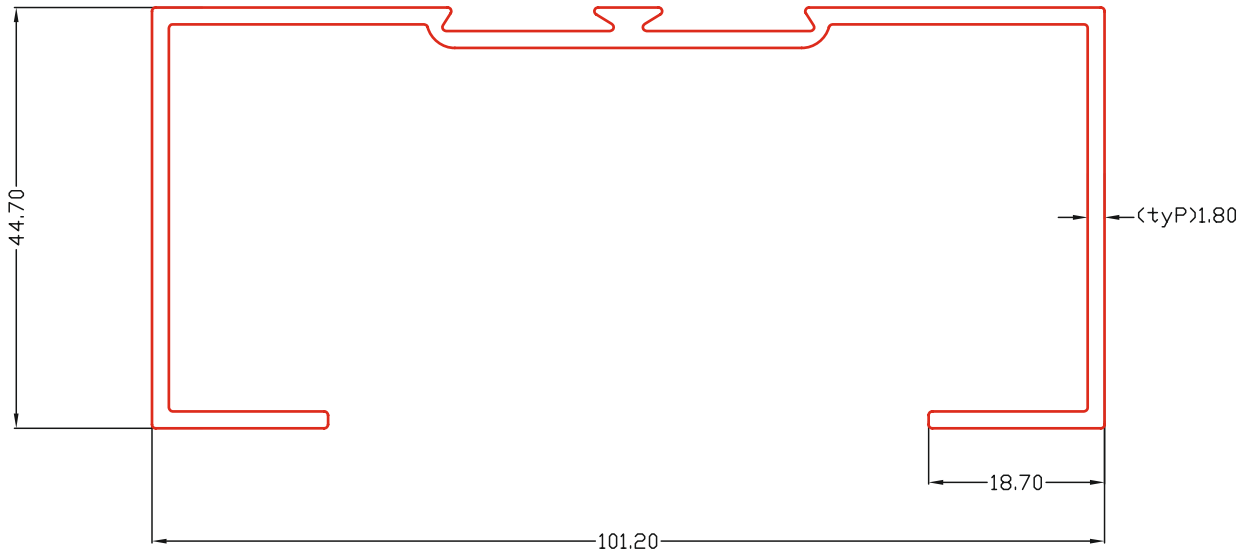


All dimensions are in mm.

Miscellaneous Profile

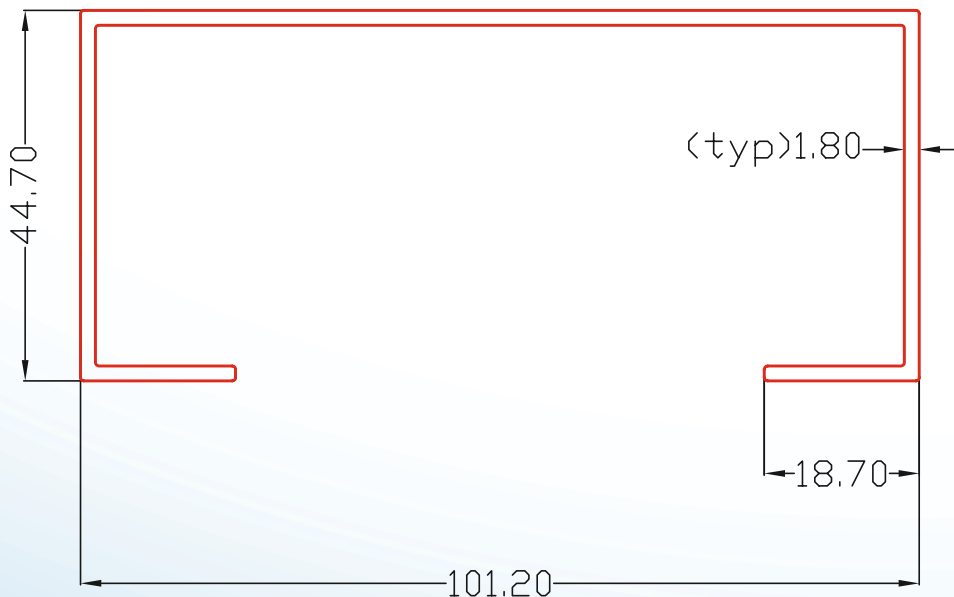
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6284 **1.097 kg/m**



4" x 1.75" SINGLE PARTITION OPEN

6285 **1.041 kg/m**



4" x 1.75" PLAIN OPEN

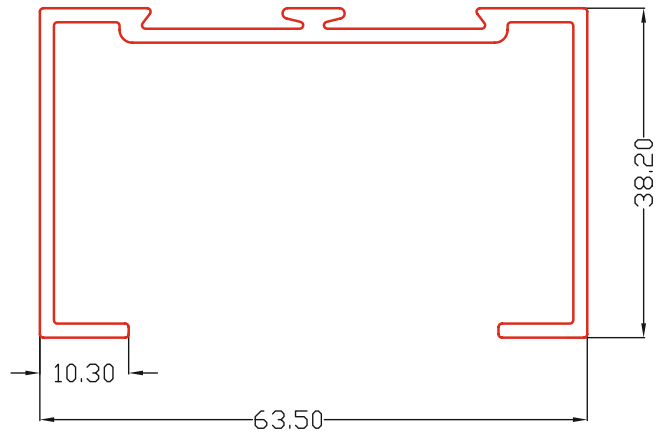
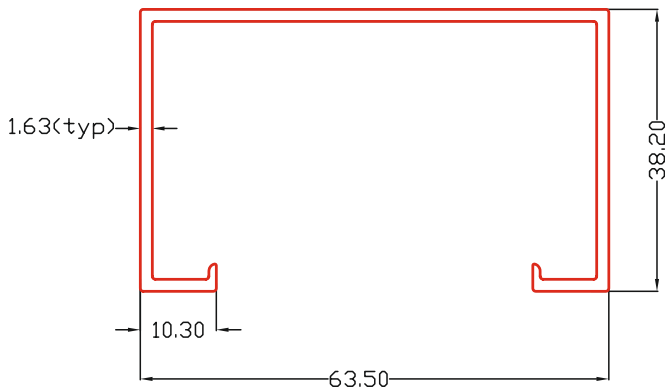
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6290 **0.661 kg/m**

6291 **0.722 kg/m**

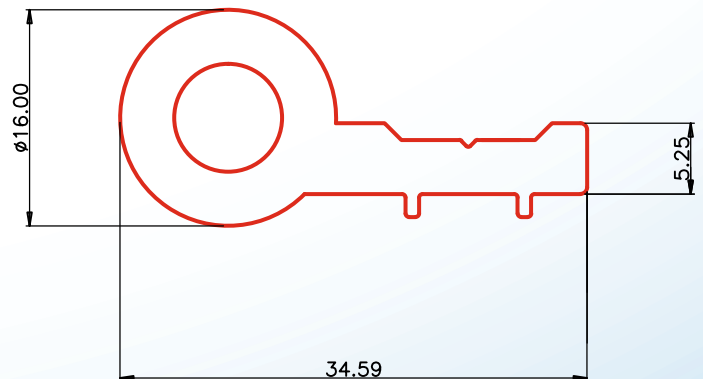
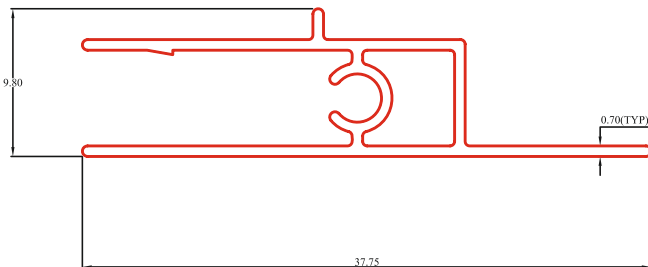


2.5\"/>

2.5\"/>

7096 **0.167 kg/m**

6514 **0.652 kg/m**



HOLLOW H

HINGED SECTION

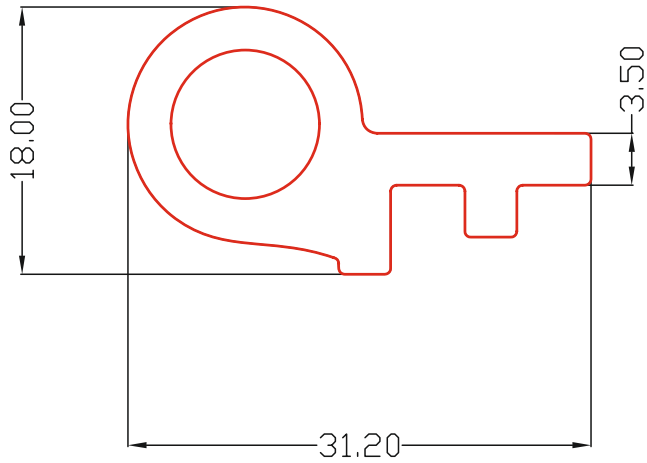
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

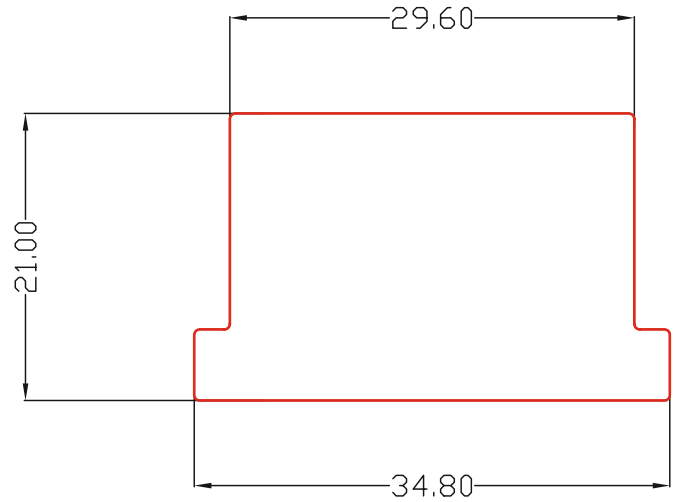
6293

0.573 kg/m



6294

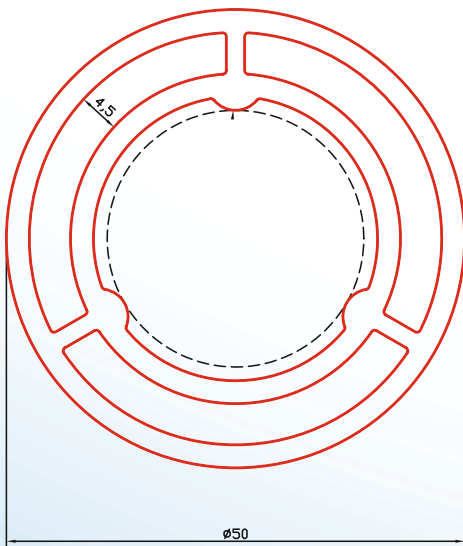
1.410 kg/m



35mm x 21mm SOLID BLOCK

8001

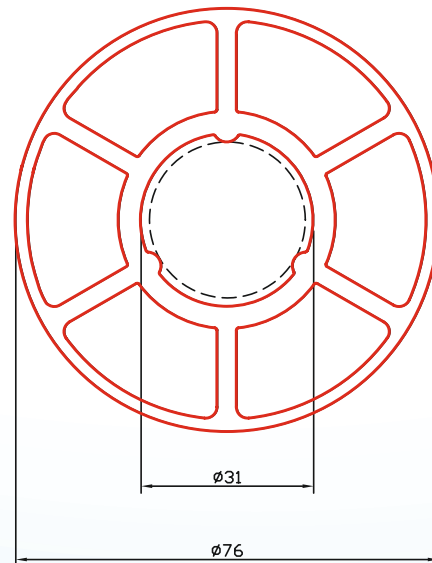
1.757 kg/m



ROLLER PIPE

8002

3.352 kg/m



ROLLER PIPE

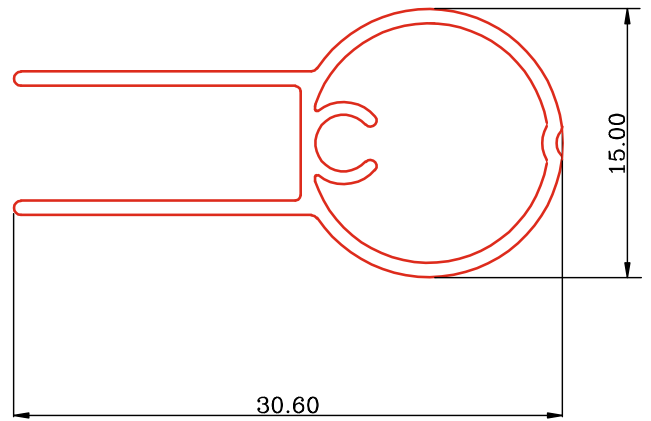
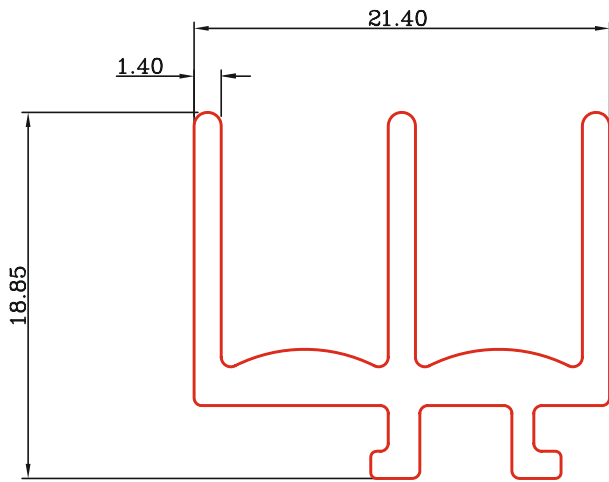
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6531 **0.321 kg/m**

7095 **0.177 kg/m**



SHOP FRONT PROFILE

ROUND LEG

6532 **0.457 kg/m**

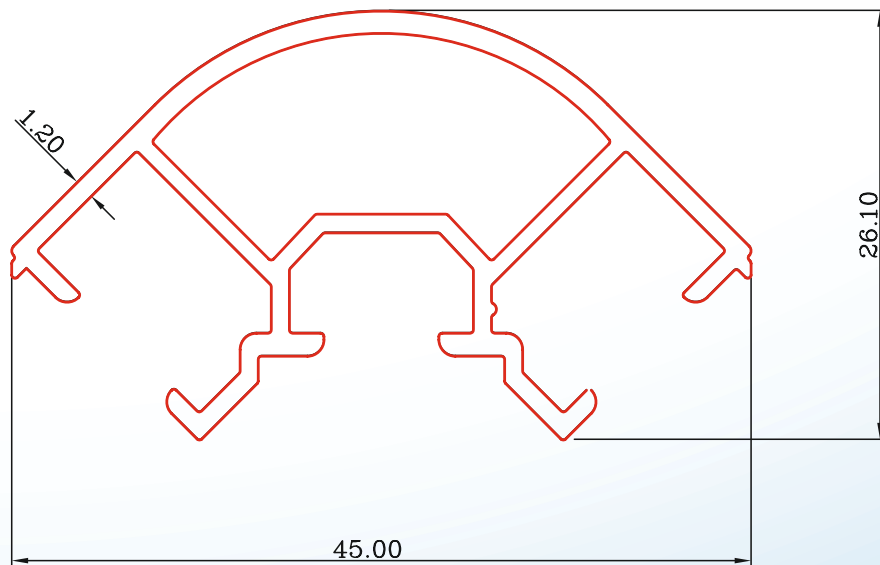


TABLE TOP

All dimensions are in mm.

Miscellaneous Profile

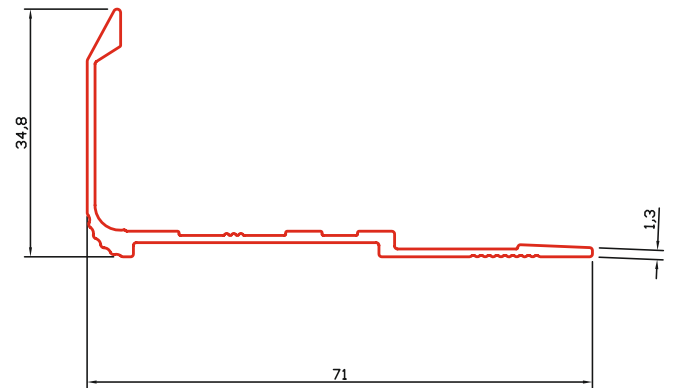
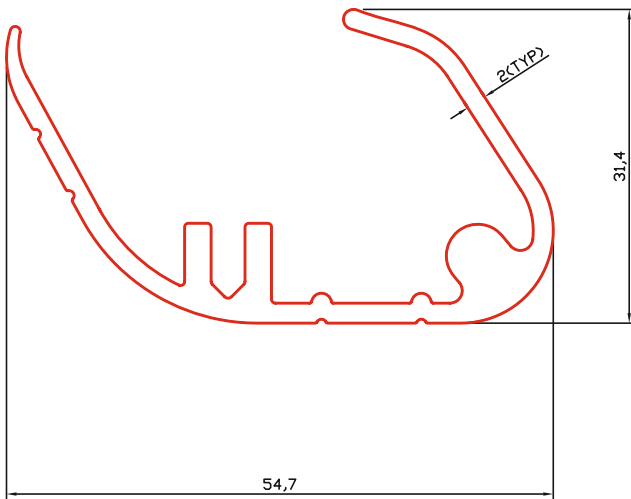
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6394

0.776 kg/m

6391

0.347 kg/m

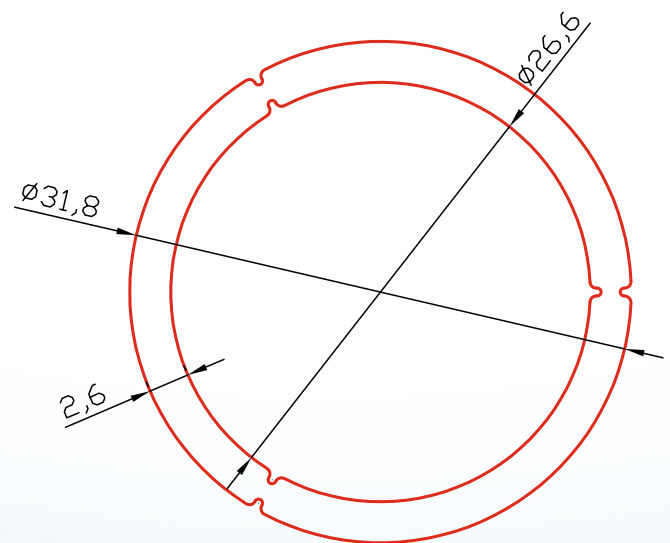
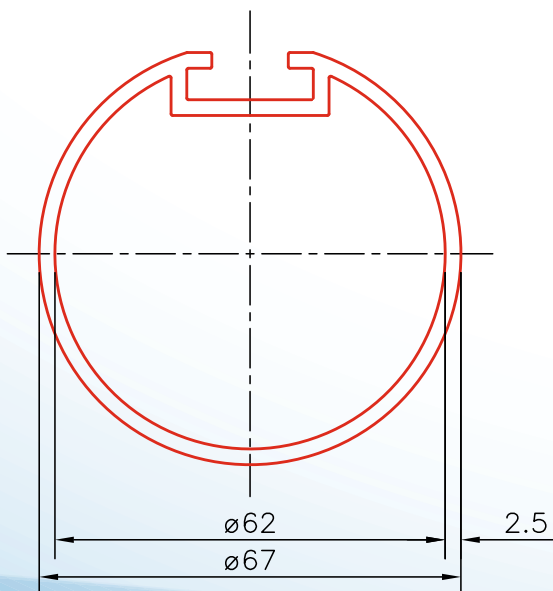


6154

1.508 kg/m

8030

0.617 kg/m



GROOVE PIPE

SLOTTED ROUND TUBE

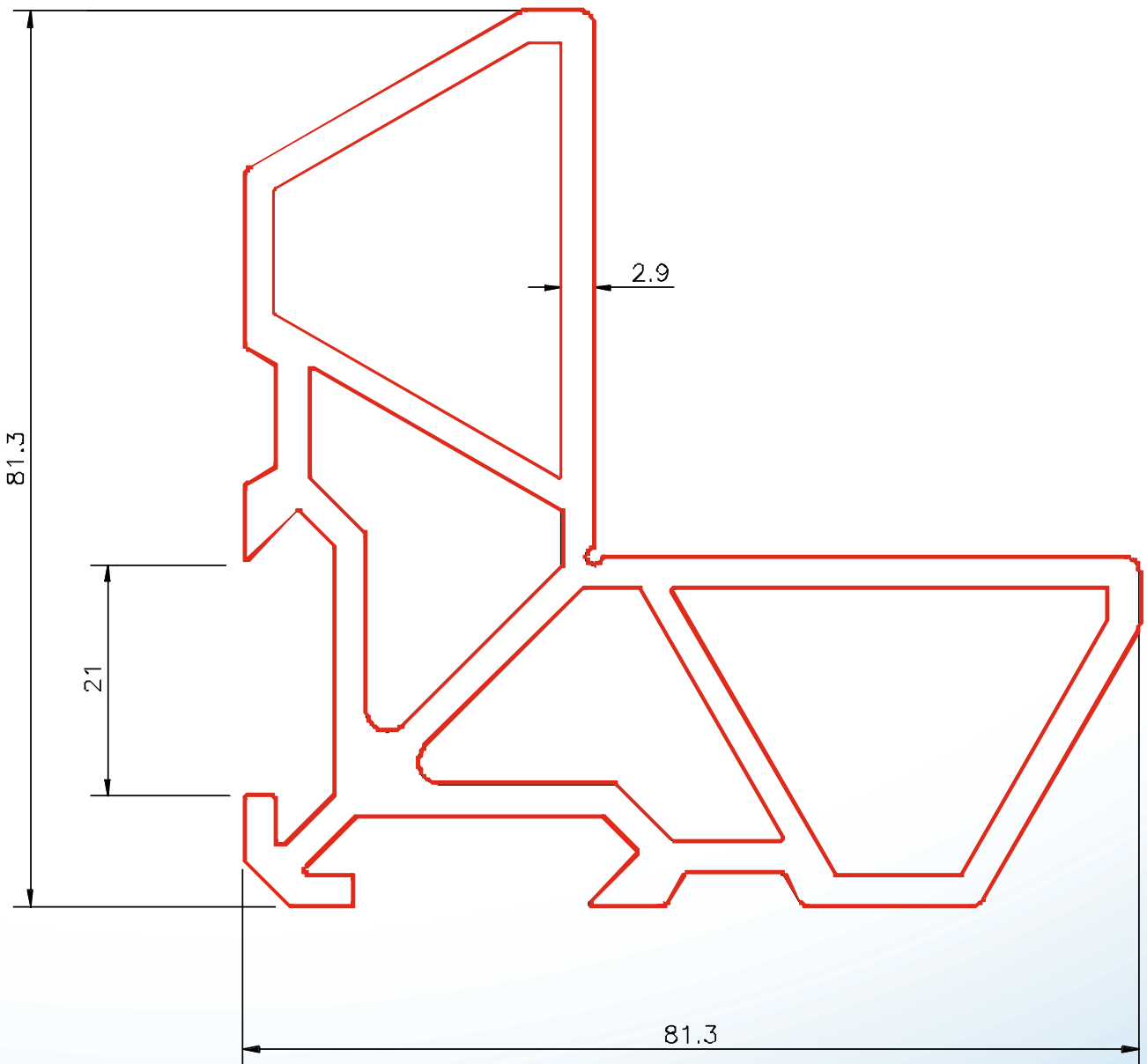
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

7565

3.042 kg/m



CLEAT

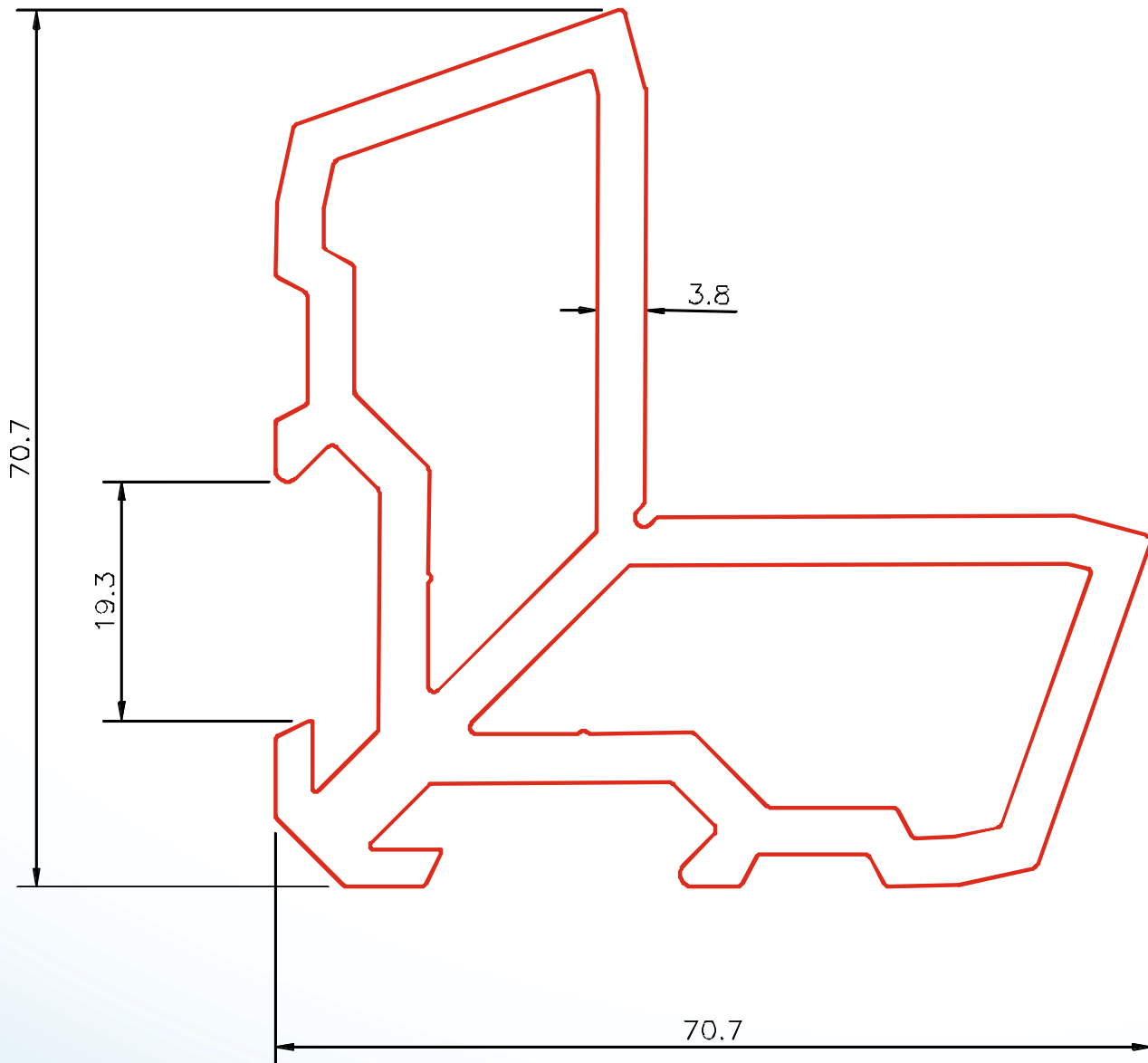
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

ACDV23

3.010 kg/m



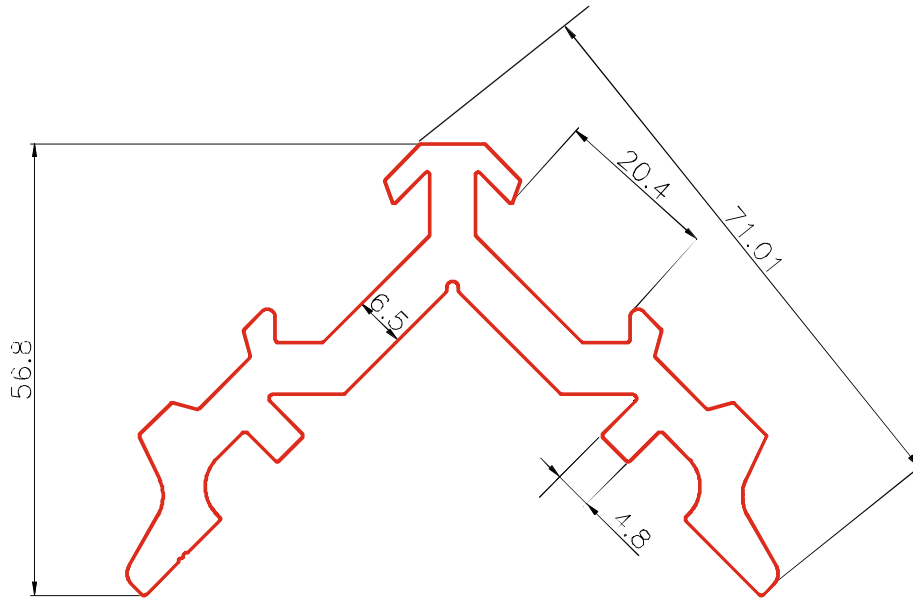
CLEAT

All dimensions are in mm.

Miscellaneous Profile

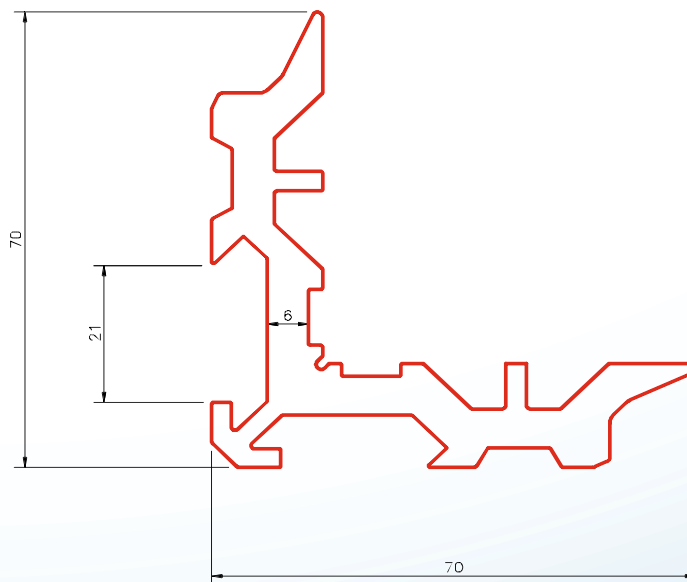
12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

ACDV19 **2.680 kg/m**



CLEAT

7564 **2.580 kg/m**



CLEAT

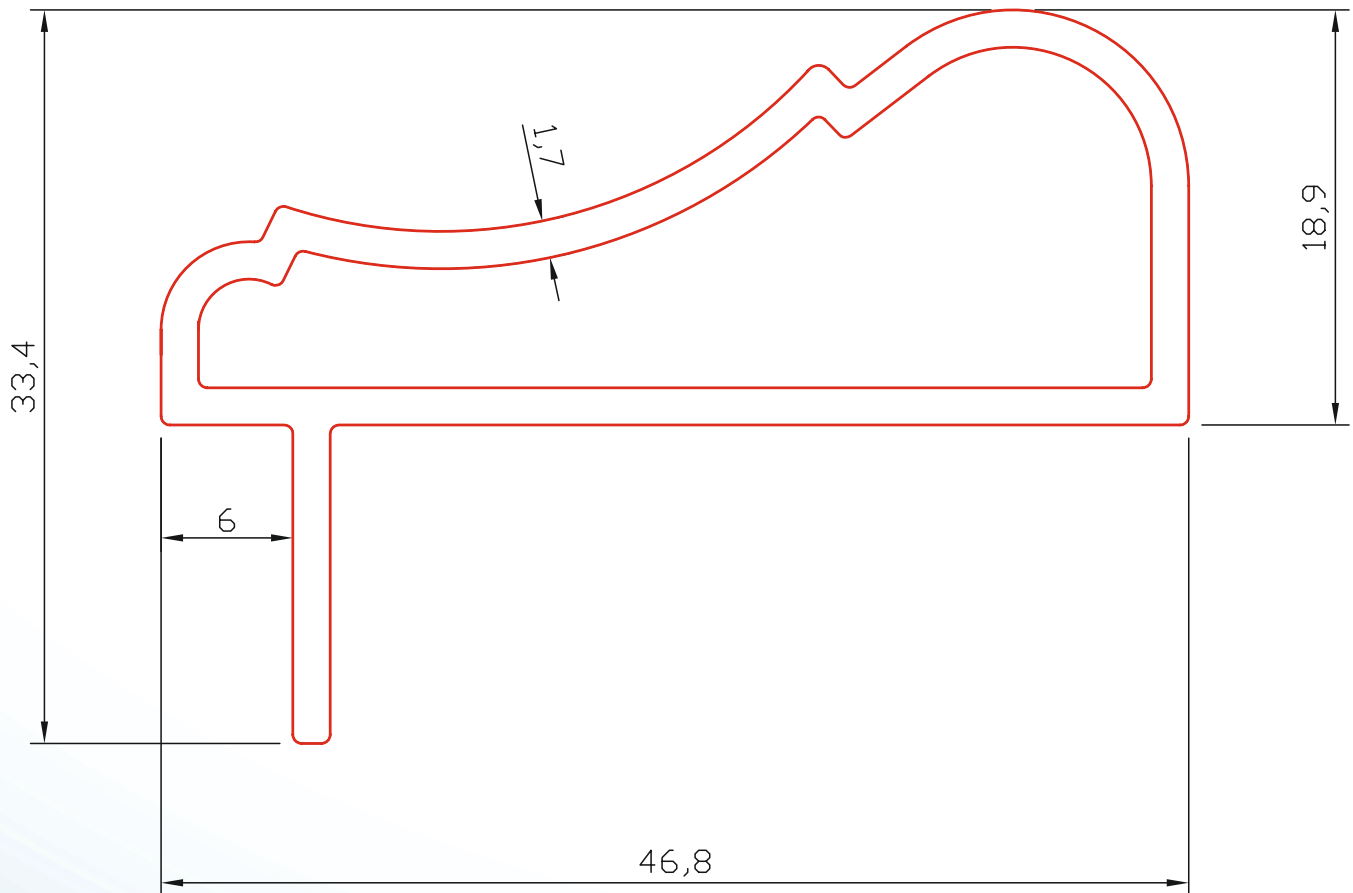
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6384

0.556 kg/m



All dimensions are in mm.

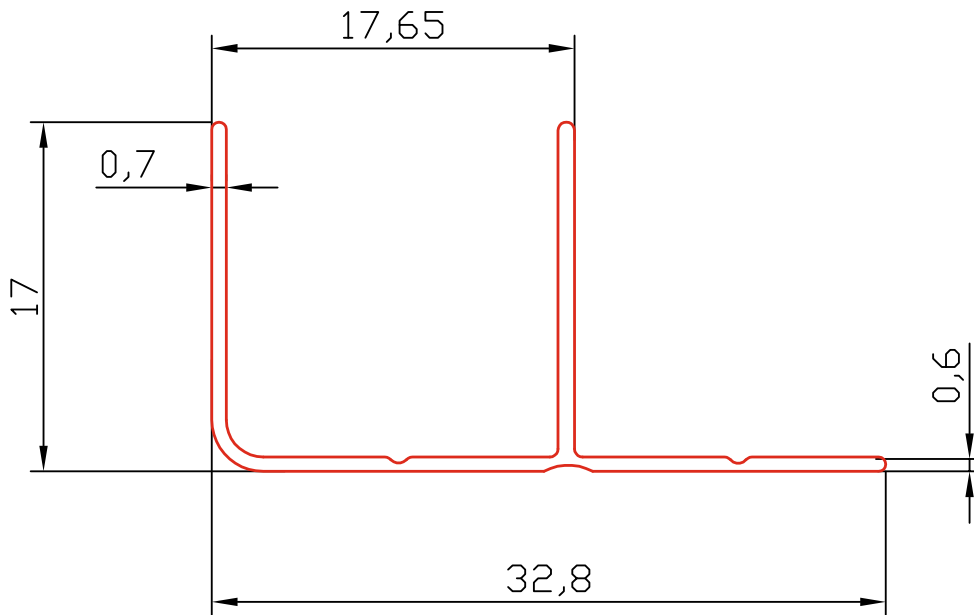
MOULDING

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

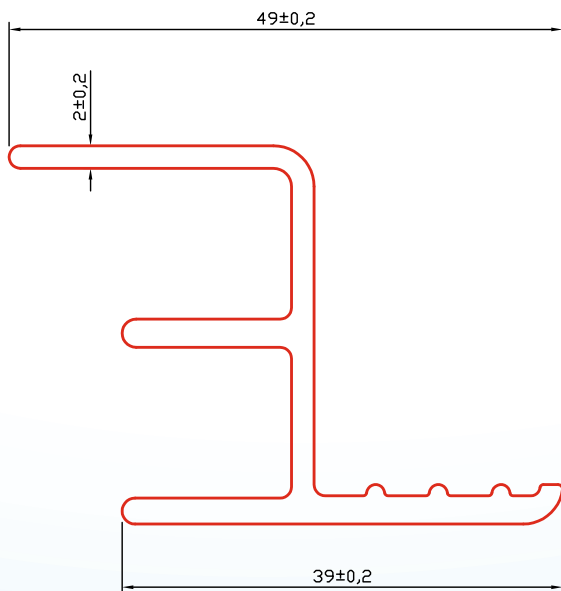
18540

0.122 kg/m



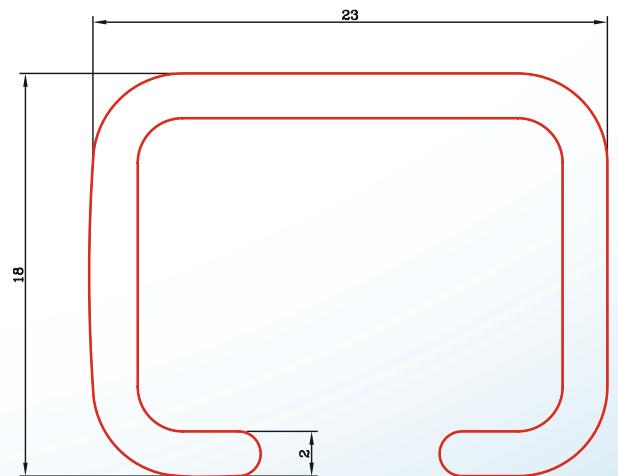
18558

0.660 kg/m



9028

0.325 kg/m



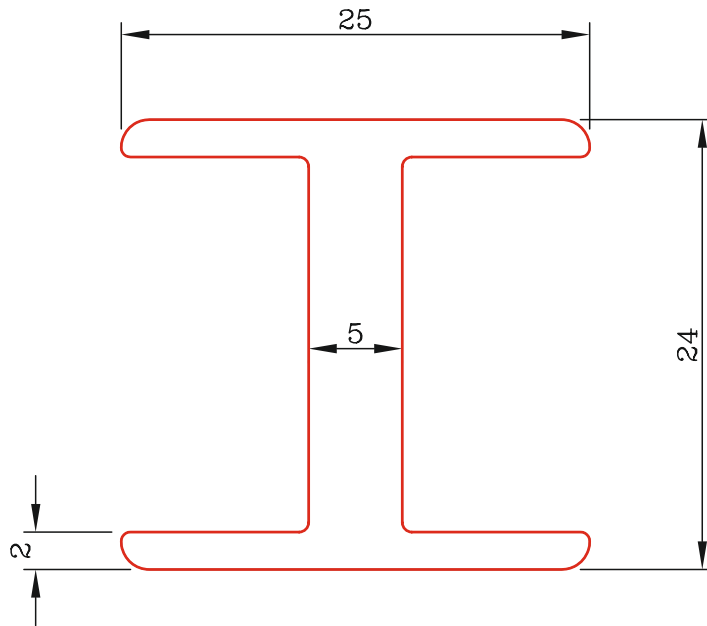
C CHANNEL

All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

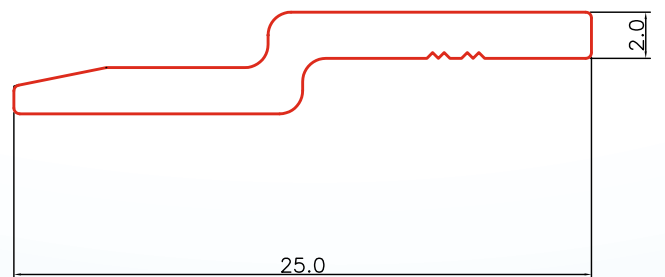
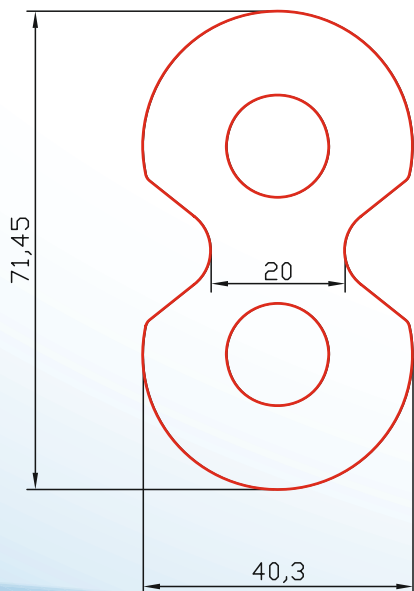
9029 **0.542 kg/m**



I SECTION

9015 **4.918 kg/m**

1281 **0.140 kg/m**



BOARD HOOK Z

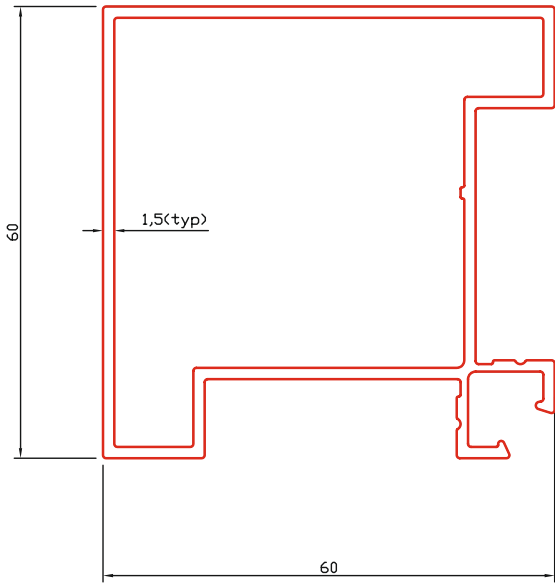
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

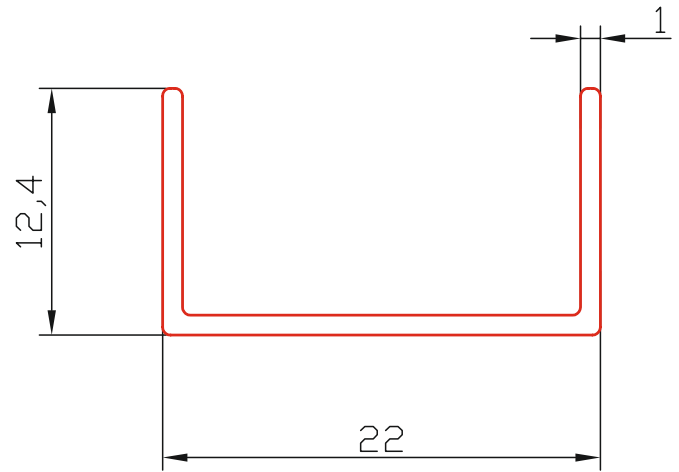
6386

1.024 kg/m



6252

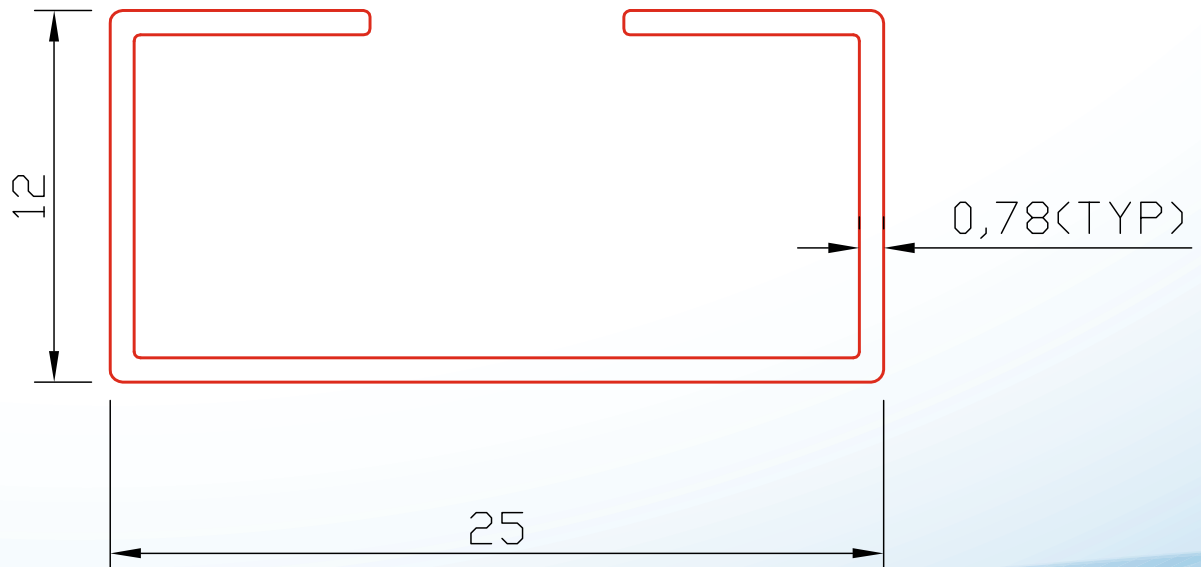
0.105 kg/m



22mm x 12mm U CHANNEL

6396

0.119 kg/m



CURTAIN CHANNEL

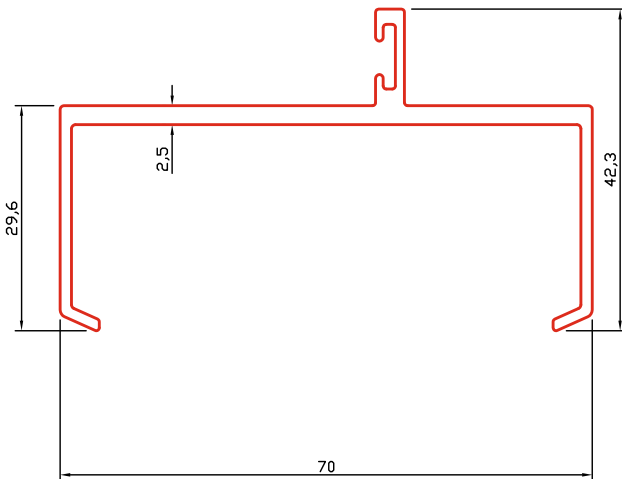
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

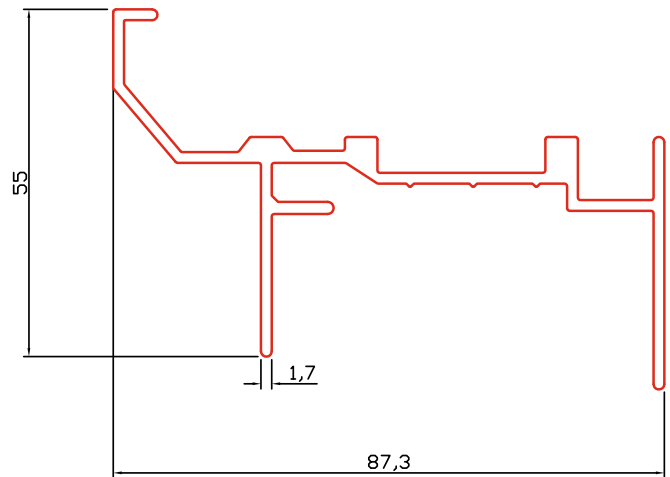
6375

0.401 kg/m



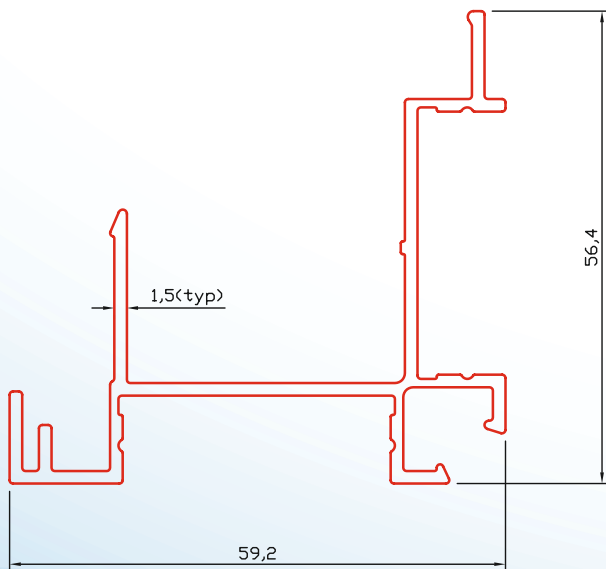
6378

1.040 kg/m



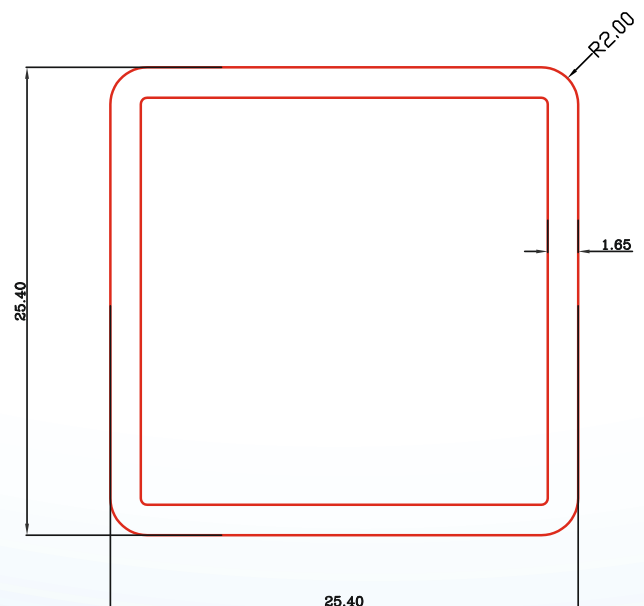
6376

0.703 kg/m



6281

0.410 kg/m



ROUND EDGE SQUARE

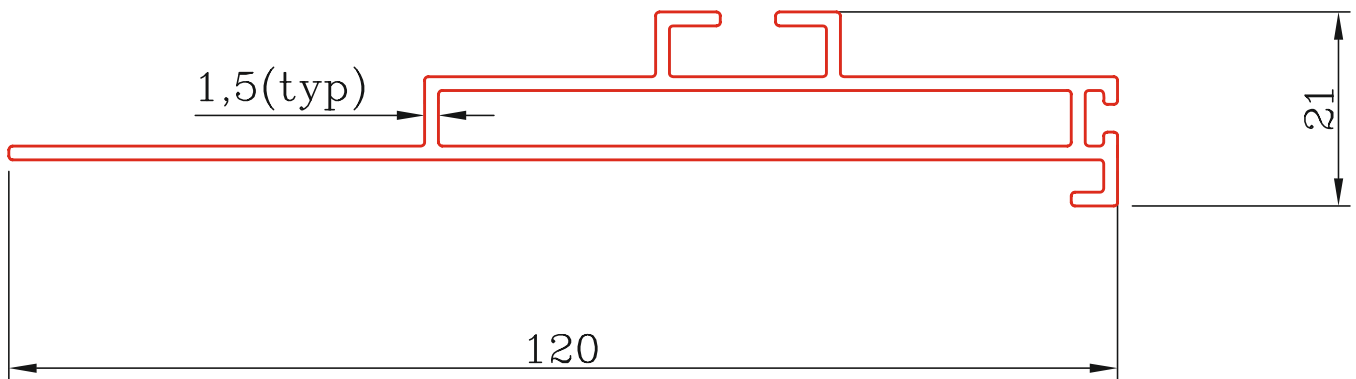
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6248

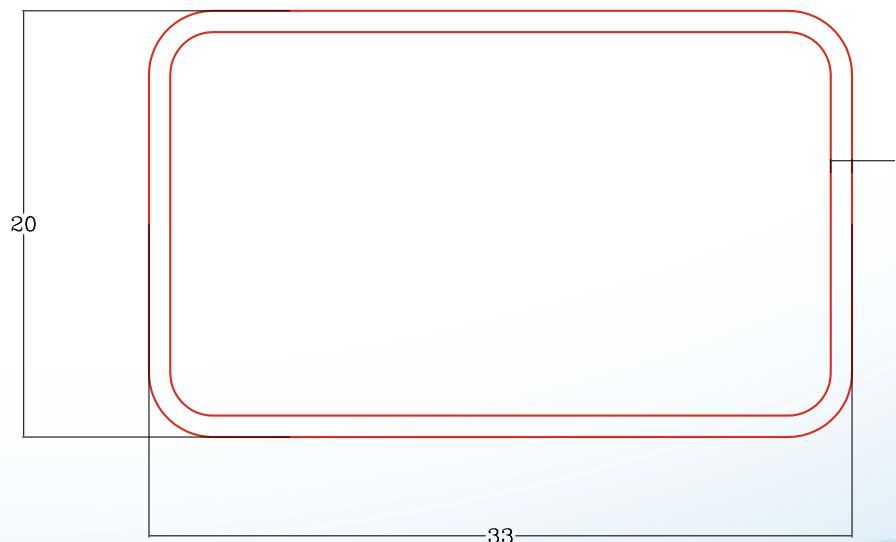
0.966 kg/m



5" x 1" FRAME

6080

0.281 kg/m



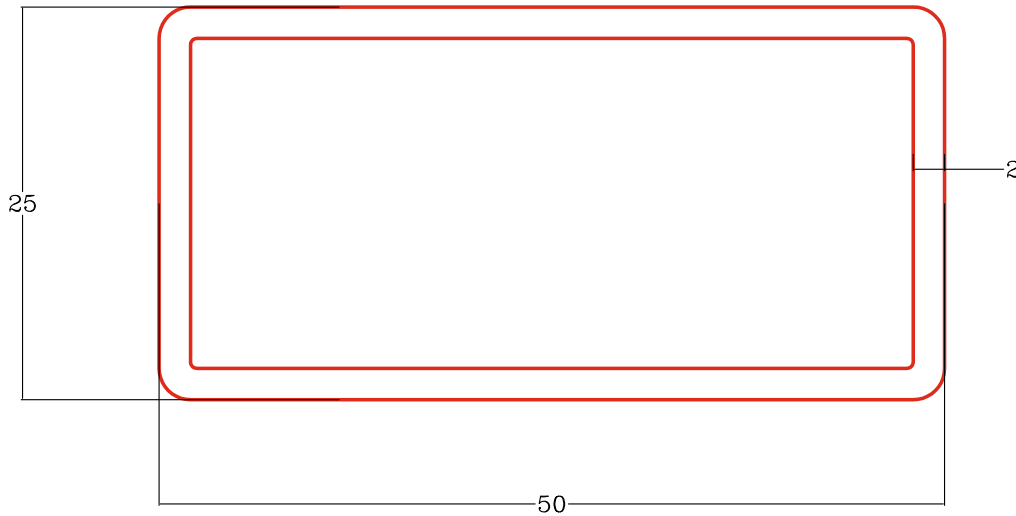
33mm x 20mm CORNER RADIUS RECT. TUBE

All dimensions are in mm.

Miscellaneous Profile

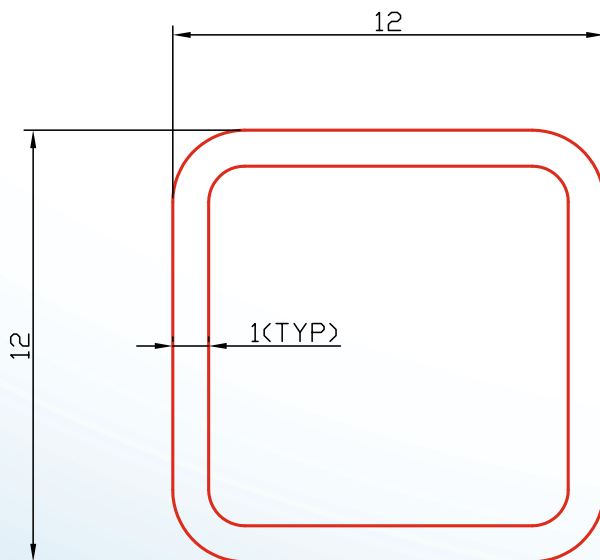
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6079 **0.746 kg/m**



50mm x 25mm CORNER RADIUS RECT. TUBE

6355



Die No	Description	Weight (Kg/Meter)
6355	12mm x 12mm Sq. Tube	0.096
6355	12mm x 12mm Sq. Tube	0.112
6355	12mm x 12mm Sq. Tube	0.127

12mm x 12mm CORNER RADIUS SQ. TUBE

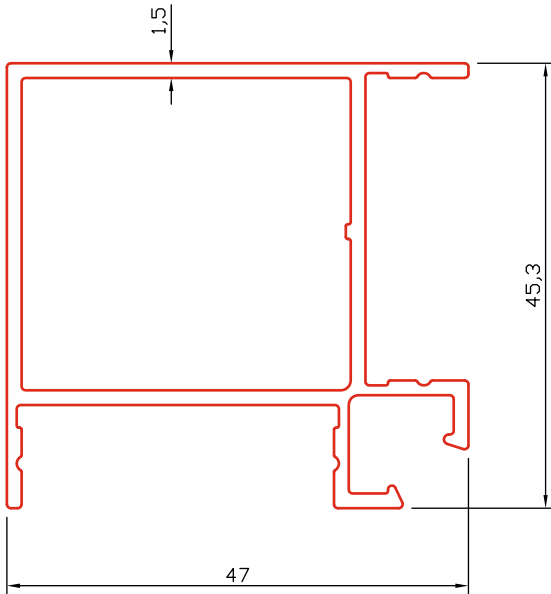
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

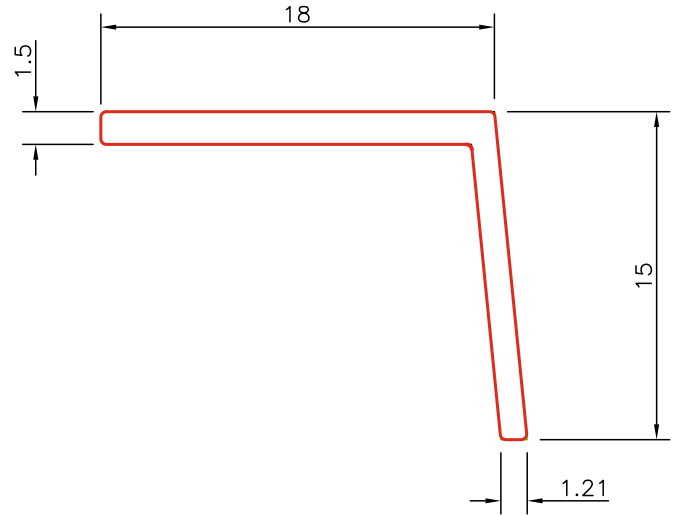
6381

0.715 kg/m



7005

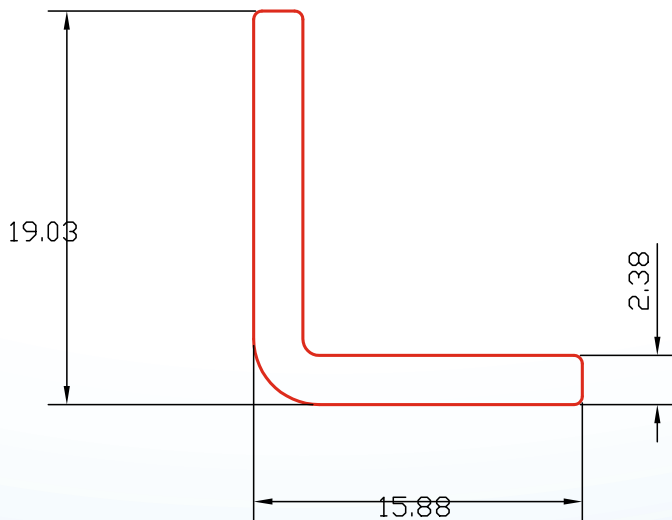
0.117 kg/m



WATER TANK ANGLE

7008

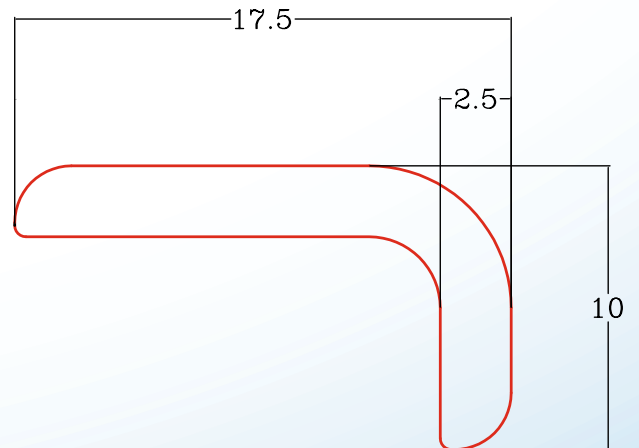
0.203 kg/m



15m x 19mm RADIUS ANGLE

7009

0.147 kg/m



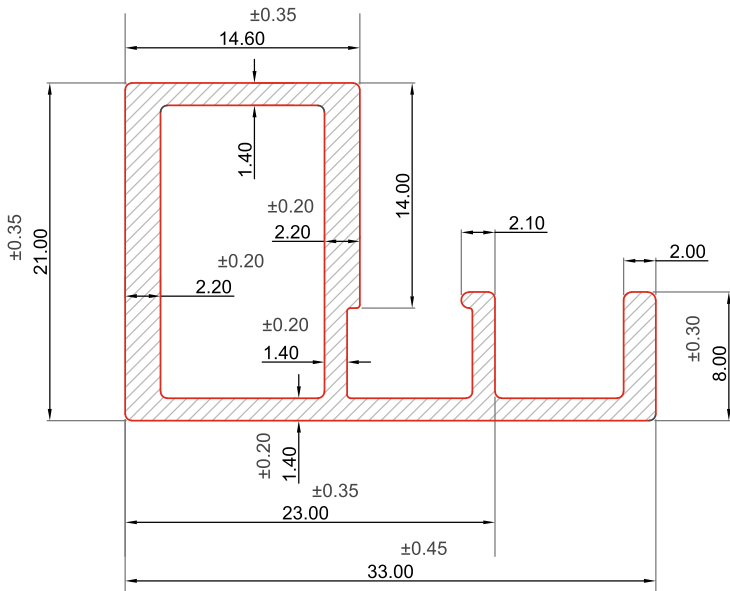
10m x 17.5mm RADIUS ANGLE

All dimensions are in mm.

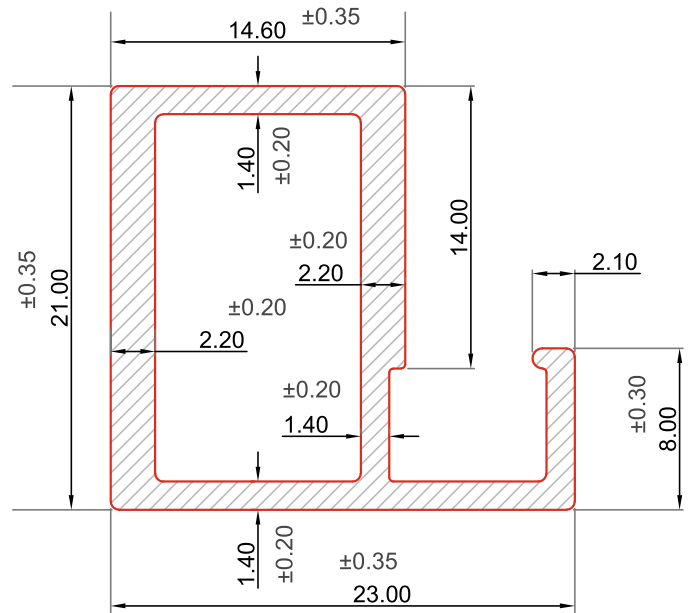
Miscellaneous Profile

12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

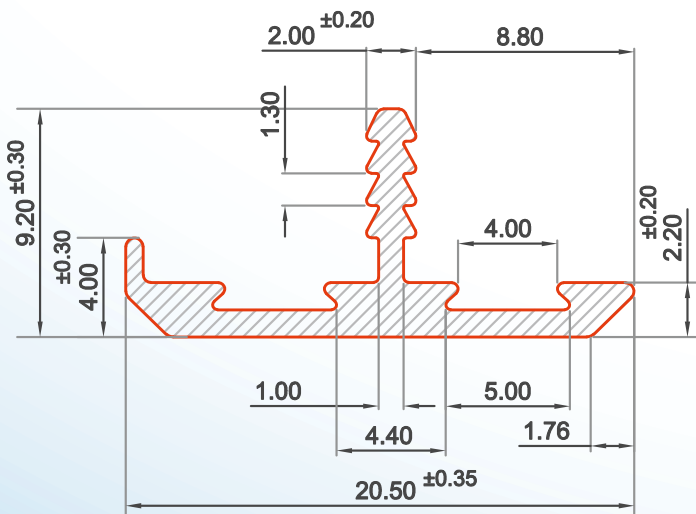
6669-1 **0.446 kg/m**



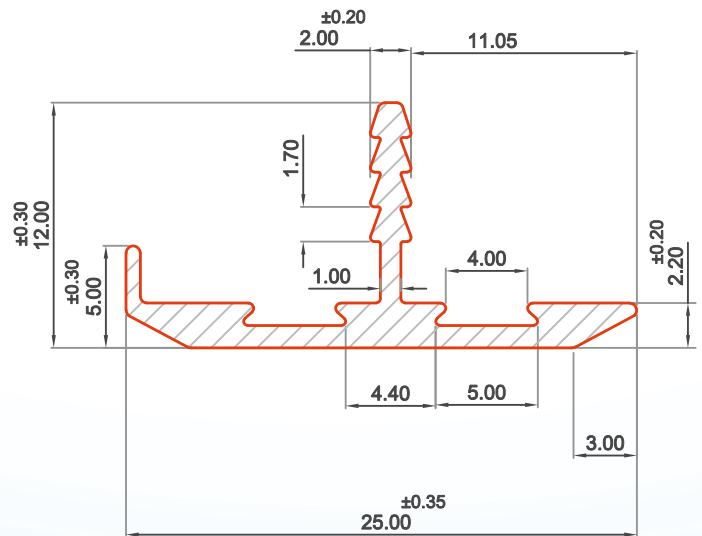
6670-1 **0.372 kg/m**



6671 **0.117 kg/m**



6672 **0.149 kg/m**

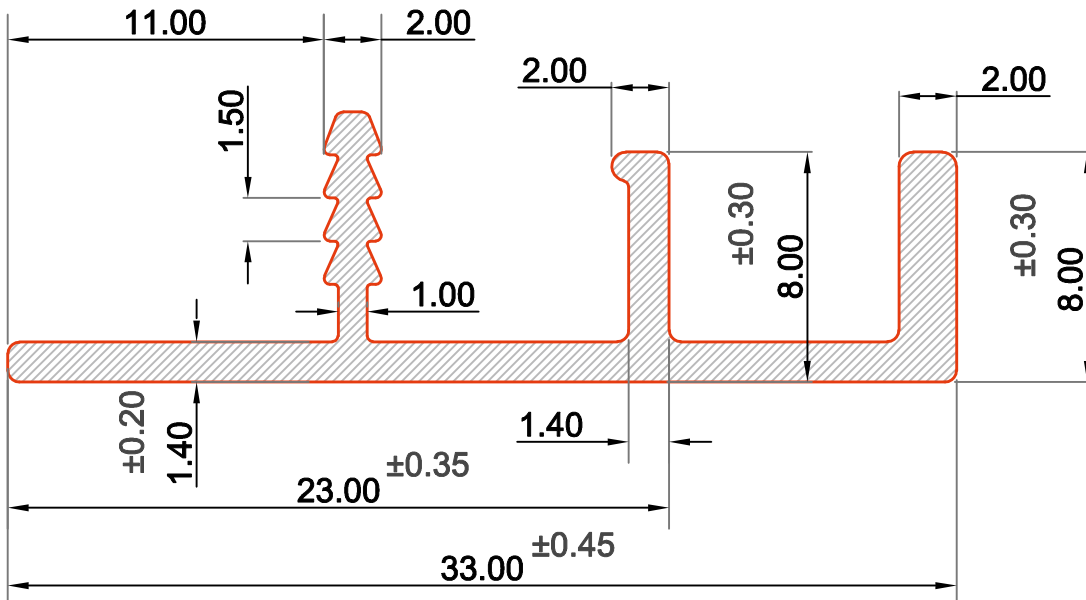


All dimensions are in mm.

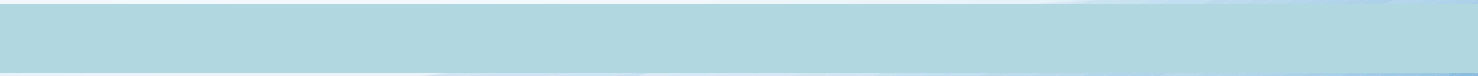
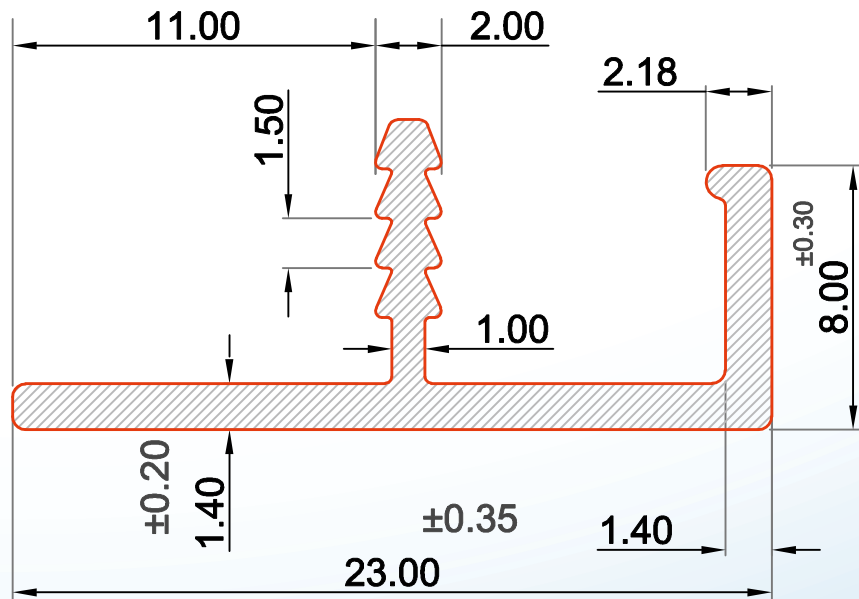
Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6673 **0.216 kg/m**



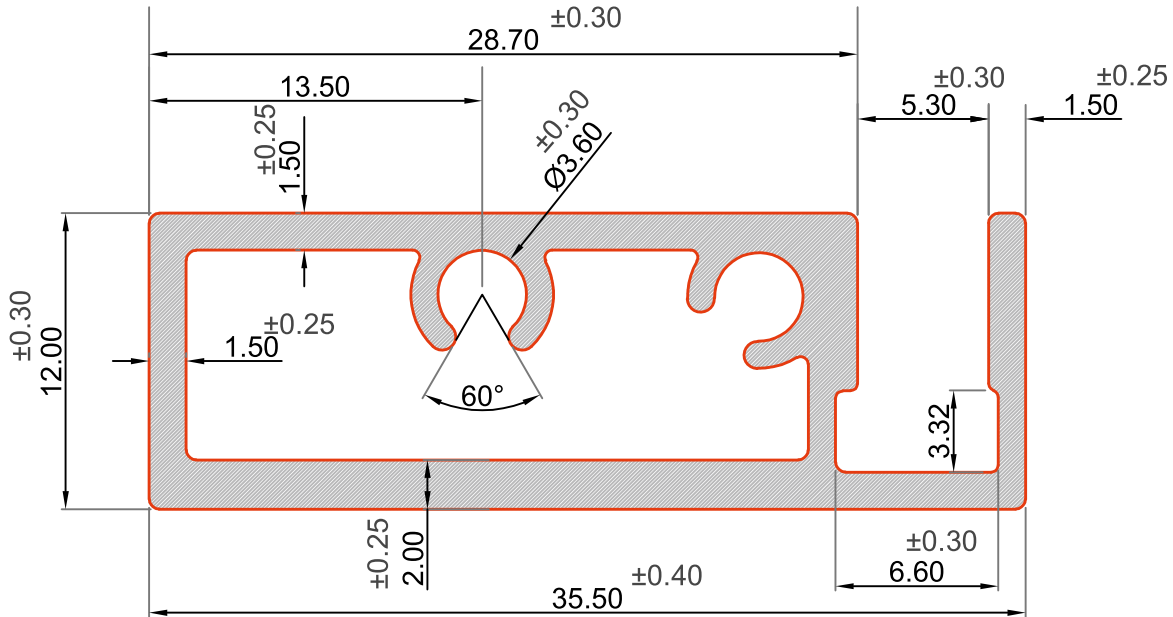
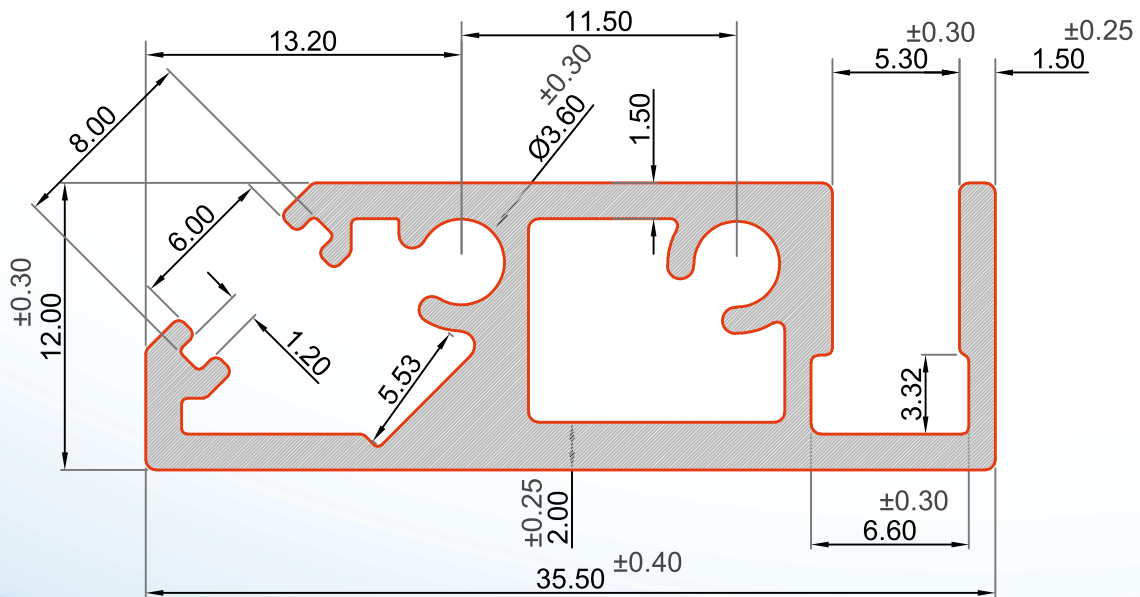
6674 **0.143 kg/m**



All dimensions are in mm.

Miscellaneous Profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6675 **0.457 kg/m**

6676 **0.453 kg/m**


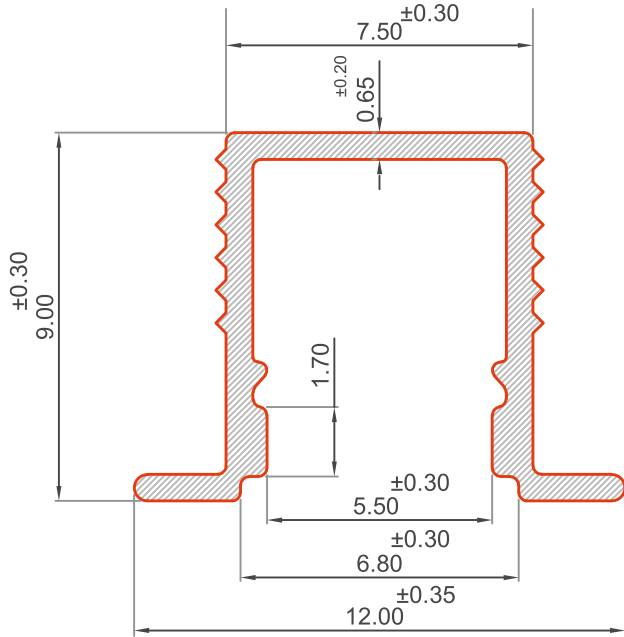
All dimensions are in mm.

Miscellaneous Profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

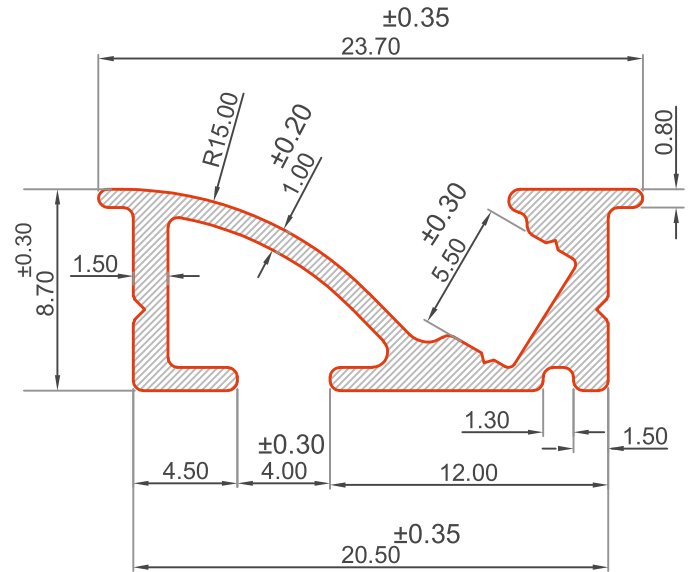
6682

0.202 kg/m



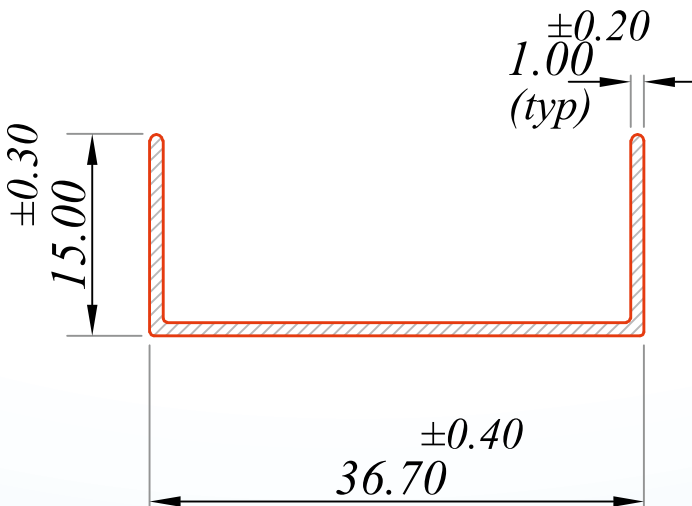
6683

0.670 kg/m



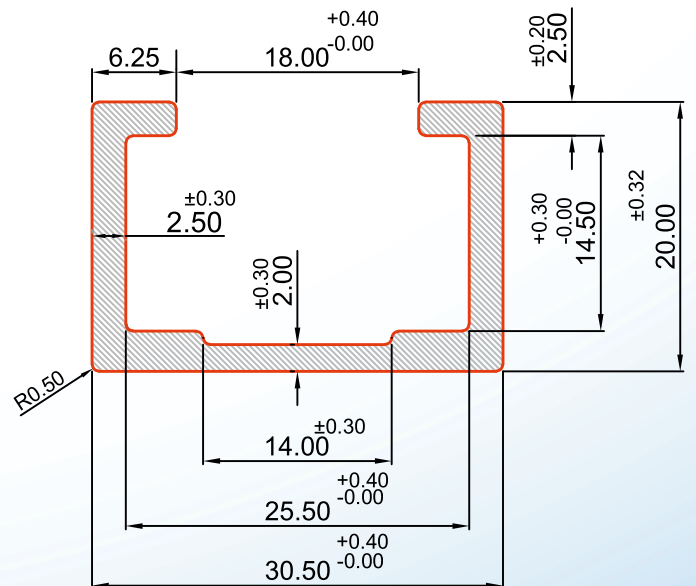
6317

0.174 kg/m



6669

0.488 kg/m

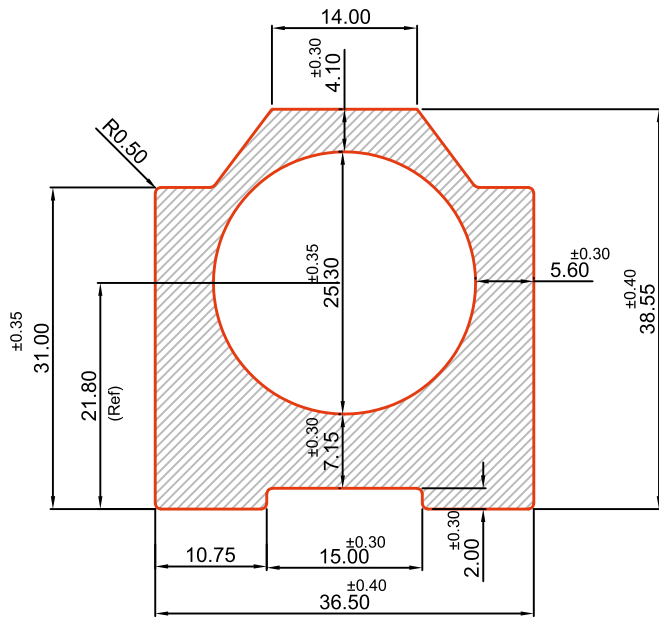
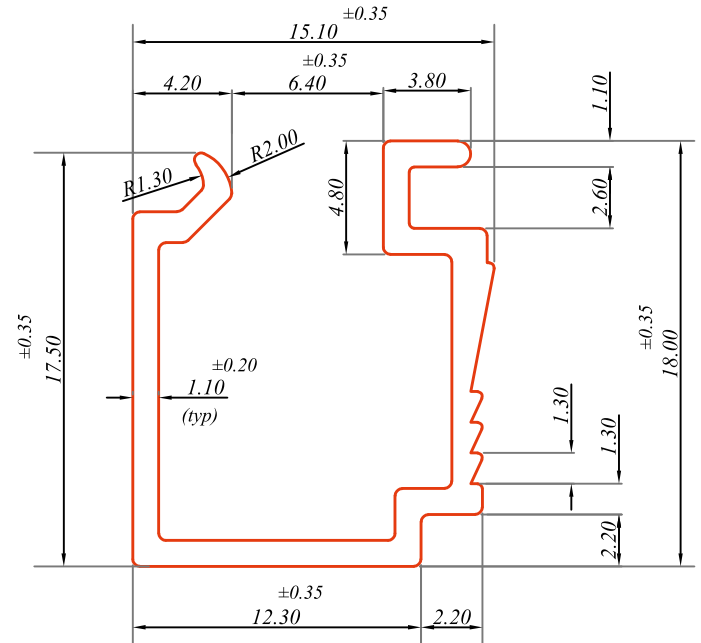
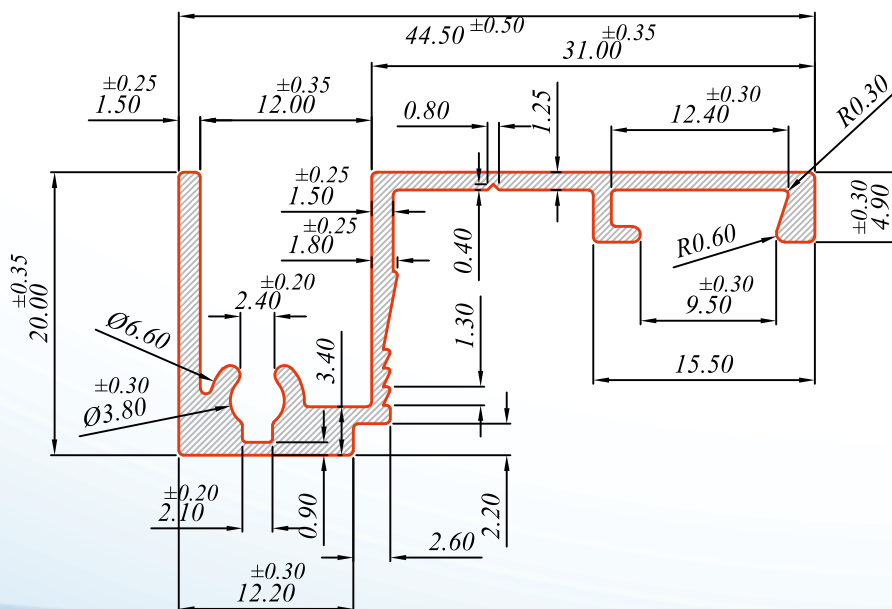


36.7 x 15.0 Channel

All dimensions are in mm.

Miscellaneous Profile

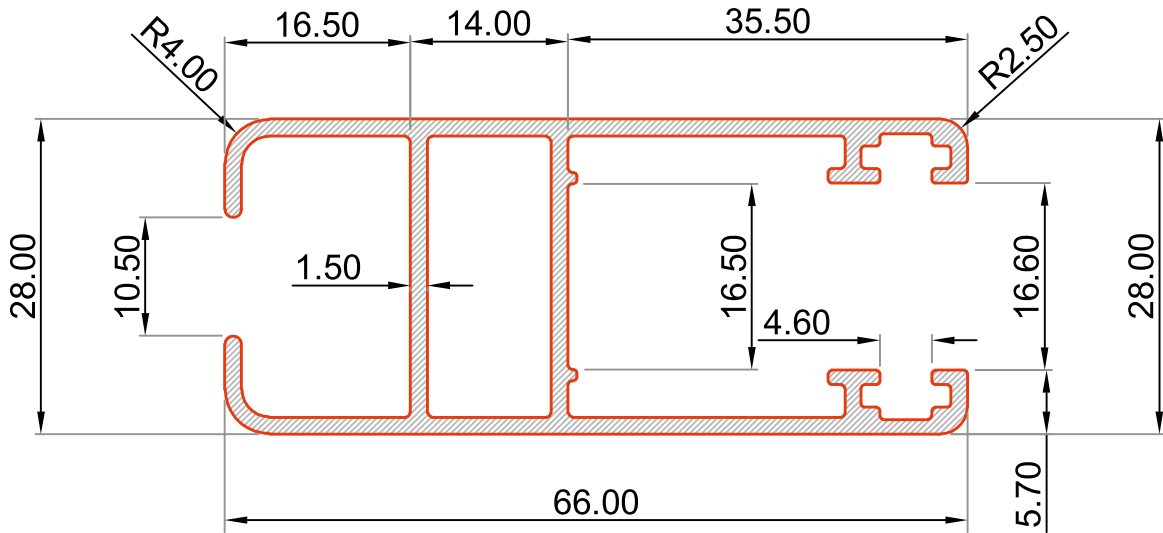
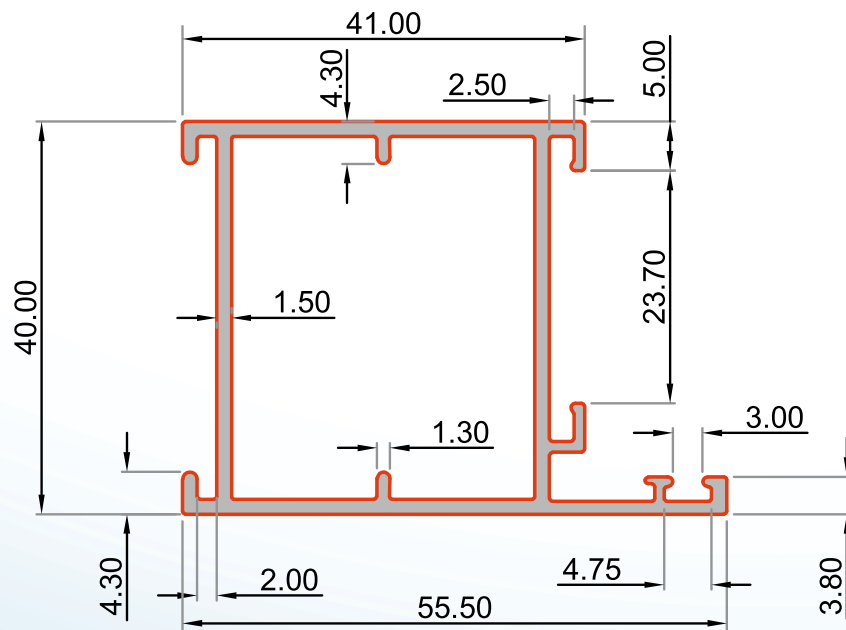
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6670
2.00 kg/m

6043
0.170 kg/m

6044
0.392 kg/m


*Domal
Profile*

Domal

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

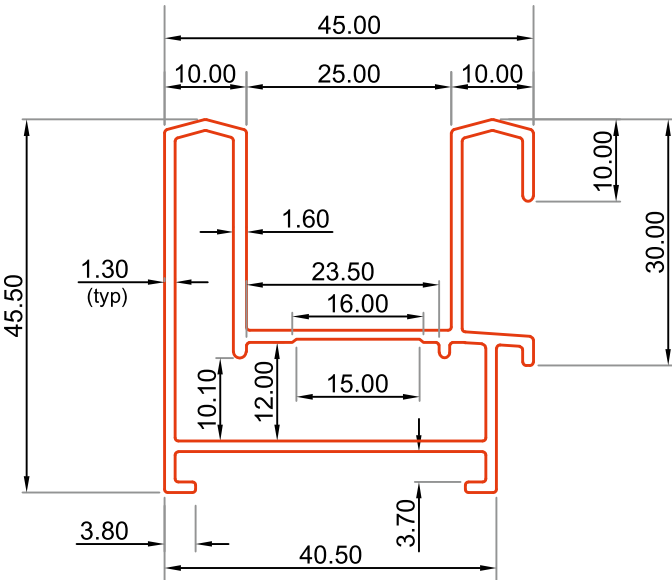
6677 **3.267 kg/m**

6678 **2.848 kg/m**


All dimensions are in mm.

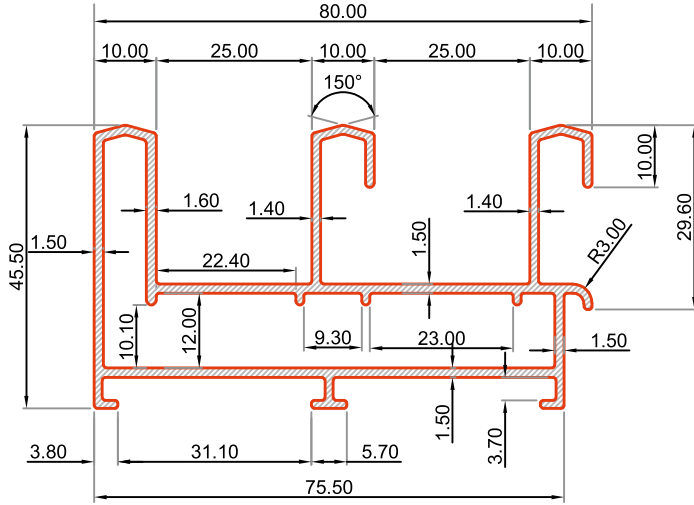
Domal

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

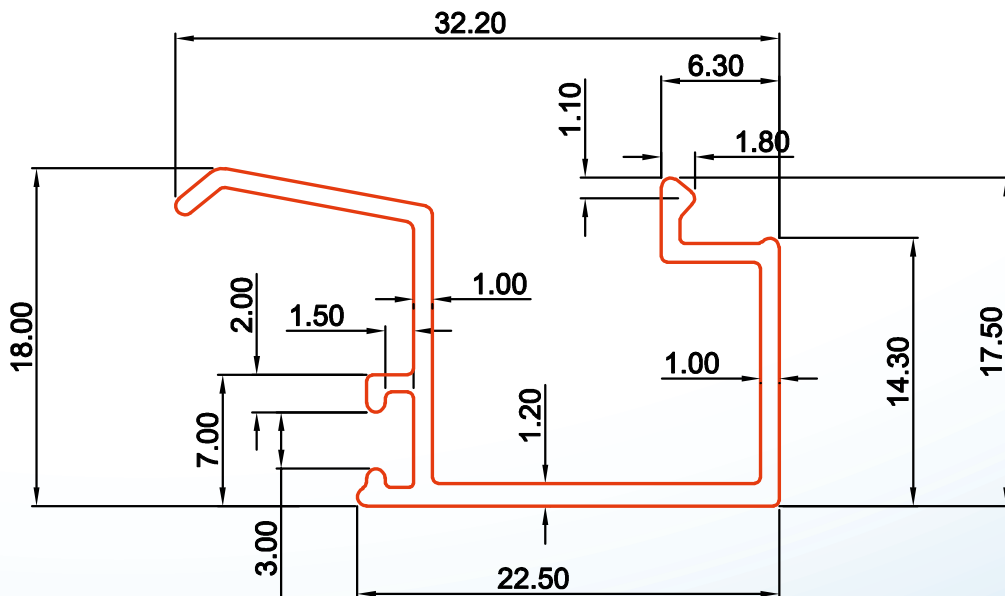
6679 **2.900 kg/m**



6680 **4.960 kg/m**



6681 **0.800 kg/m**

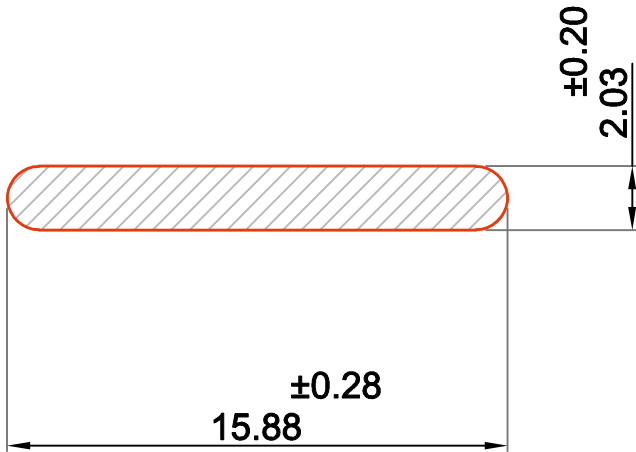


All dimensions are in mm.

*Pattam
Profile*

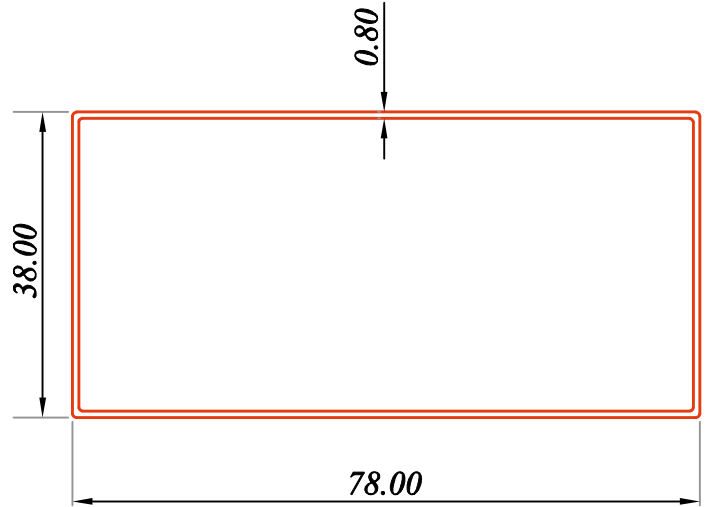
12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

9011 **0.309 kg/m**



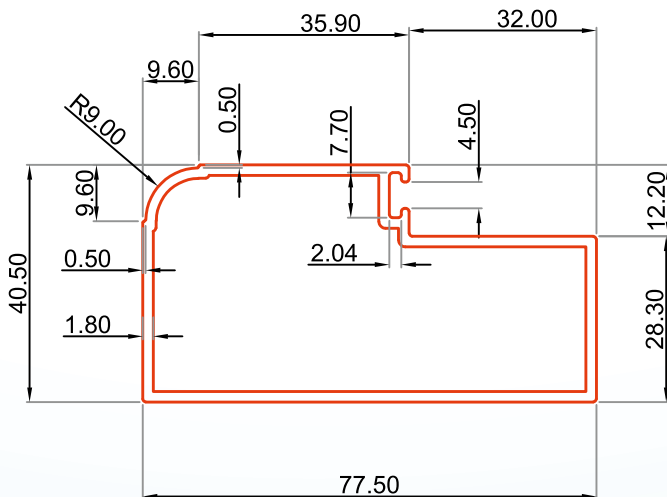
FLAT BAR

5155 **1.808 kg/m**



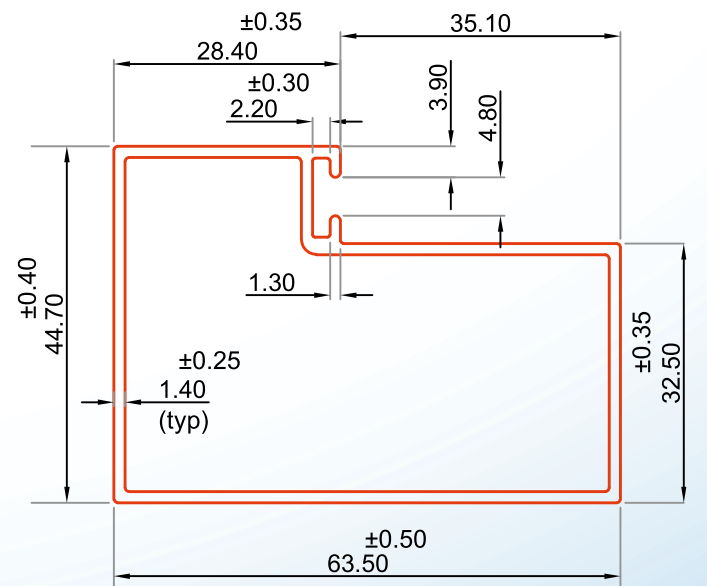
RECTANGULAR TUBE

6157 **5.100 kg/m**



PATTAM

7084 **0.888 kg/m**



PATTAM

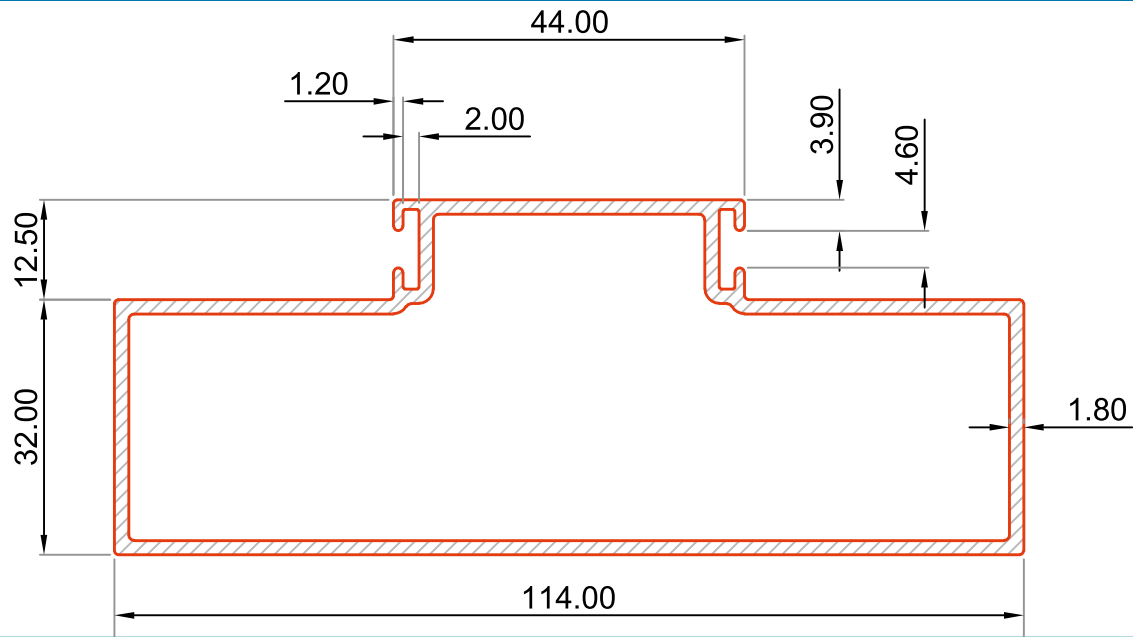
All dimensions are in mm.

Pattam profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6025

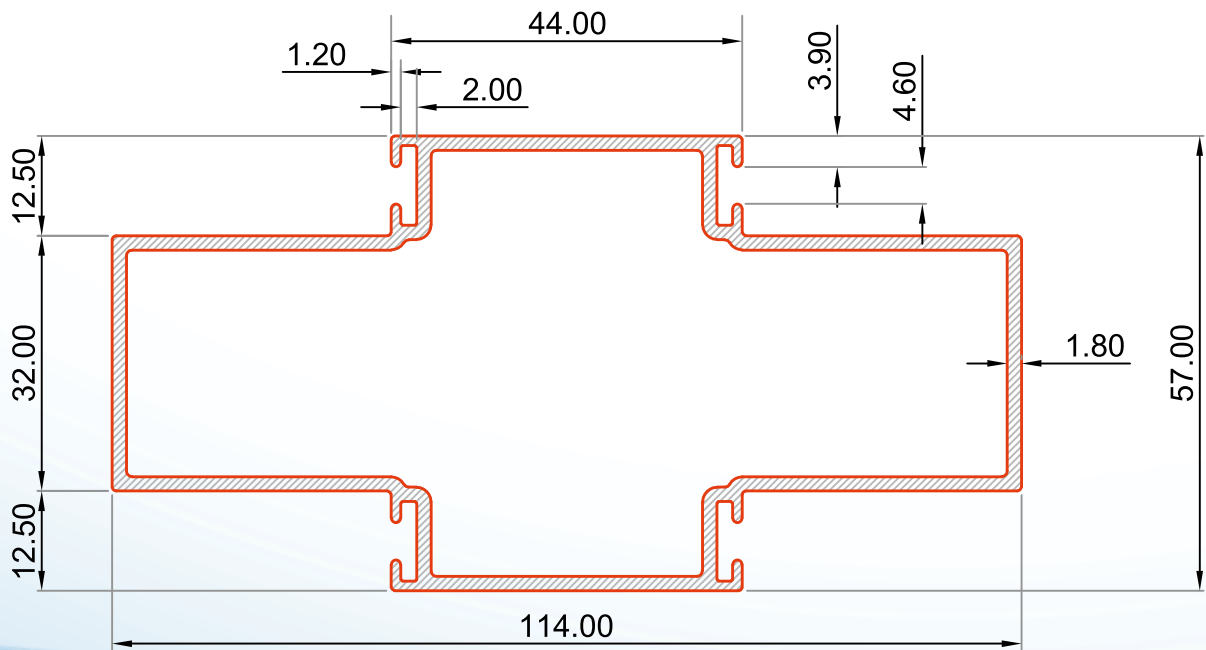
7,100 kg/m



PATTAM

6026

7.880 kg/m



PATTAM

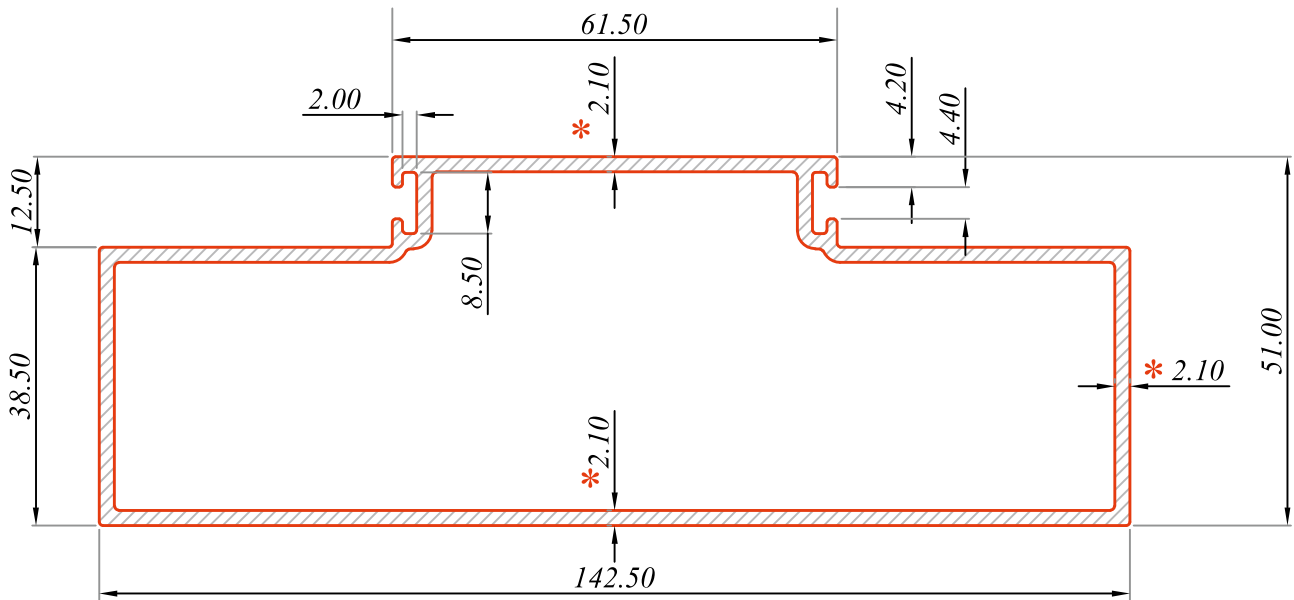
All dimensions are in mm.

Pattam profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6027

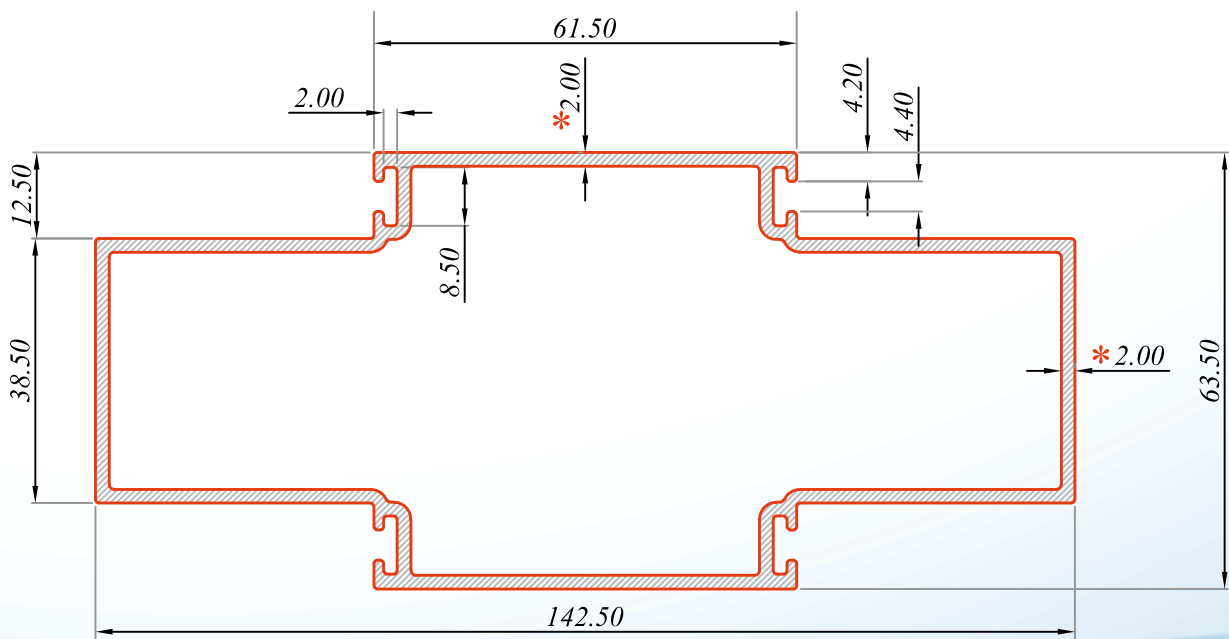
10.080 kg/m



SINGLE PATTAM

6028

10.512 kg/m



DOUBLE PATTAM

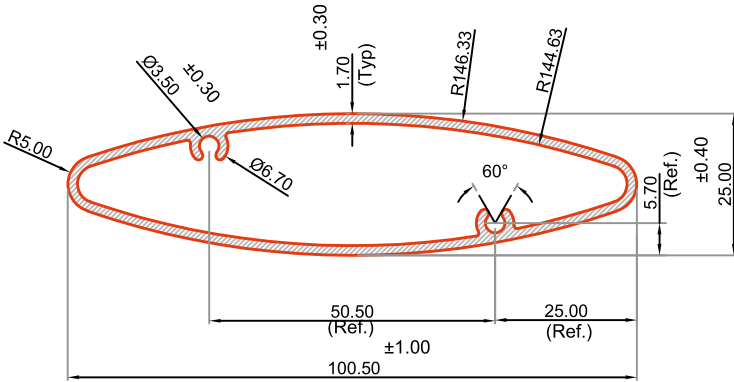
All dimensions are in mm.

*Gate
Profile*

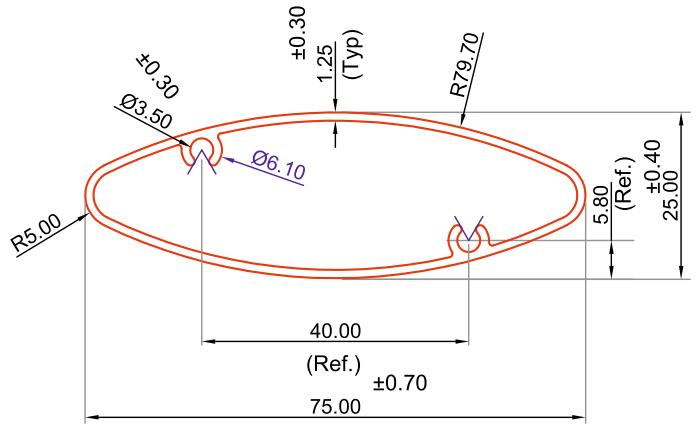
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

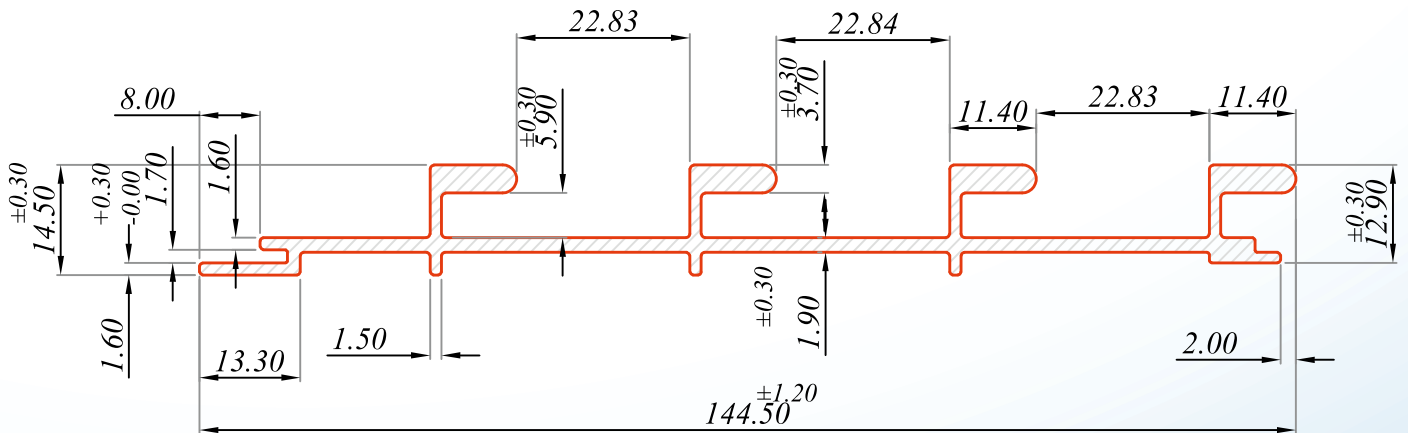
6157 **1.043 kg/m**



6157 **0.819 kg/m**

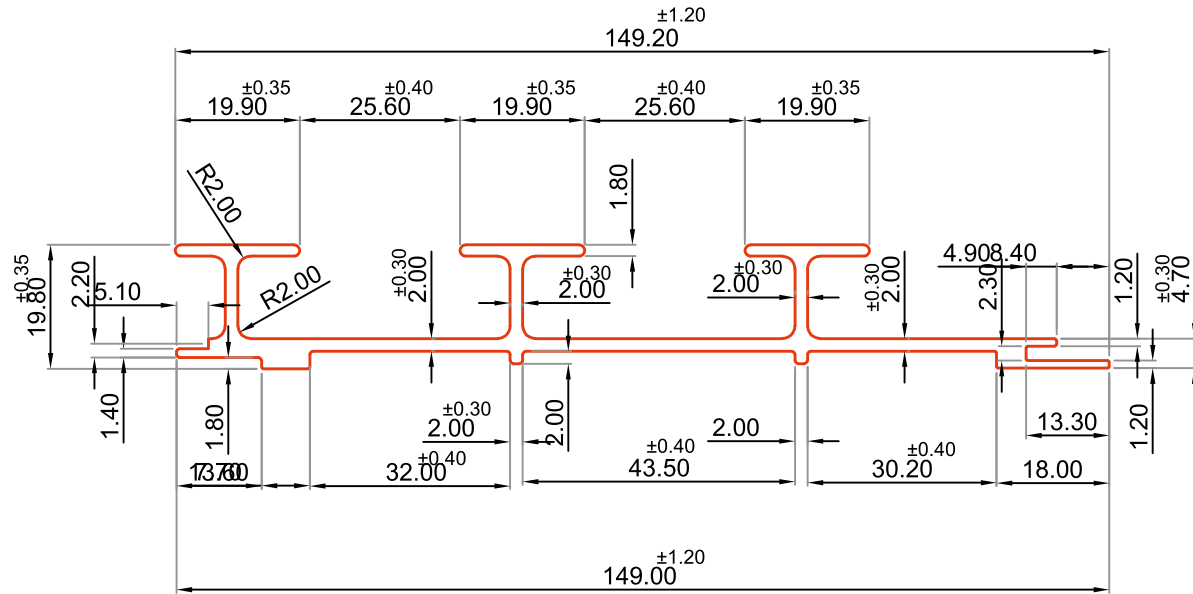
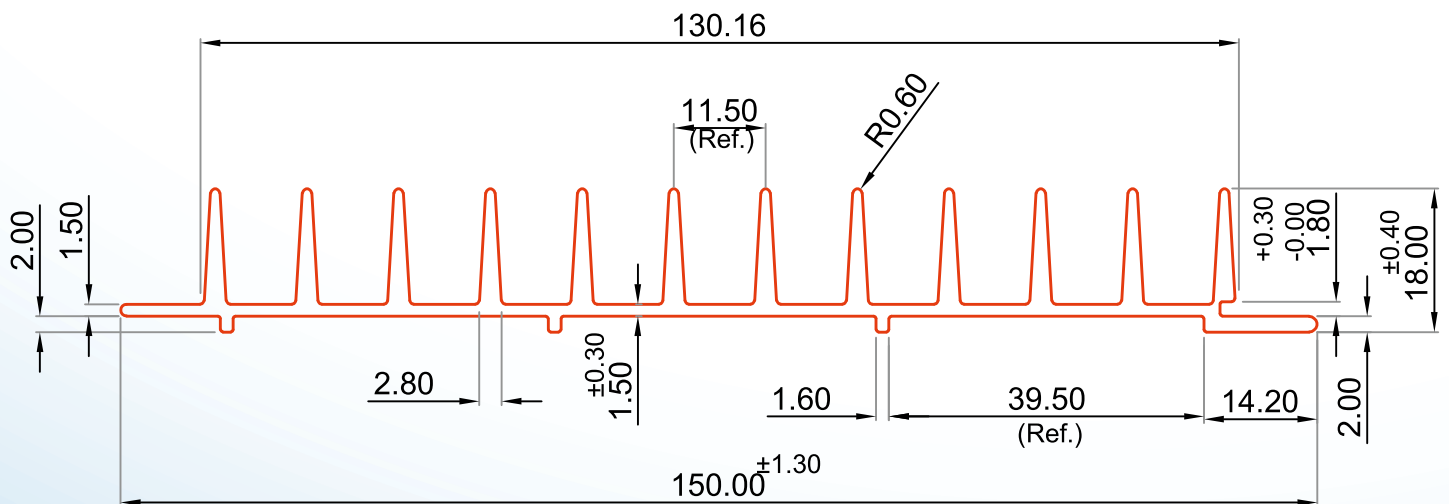


3861 **5.150 kg/m**



Gate profile

 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

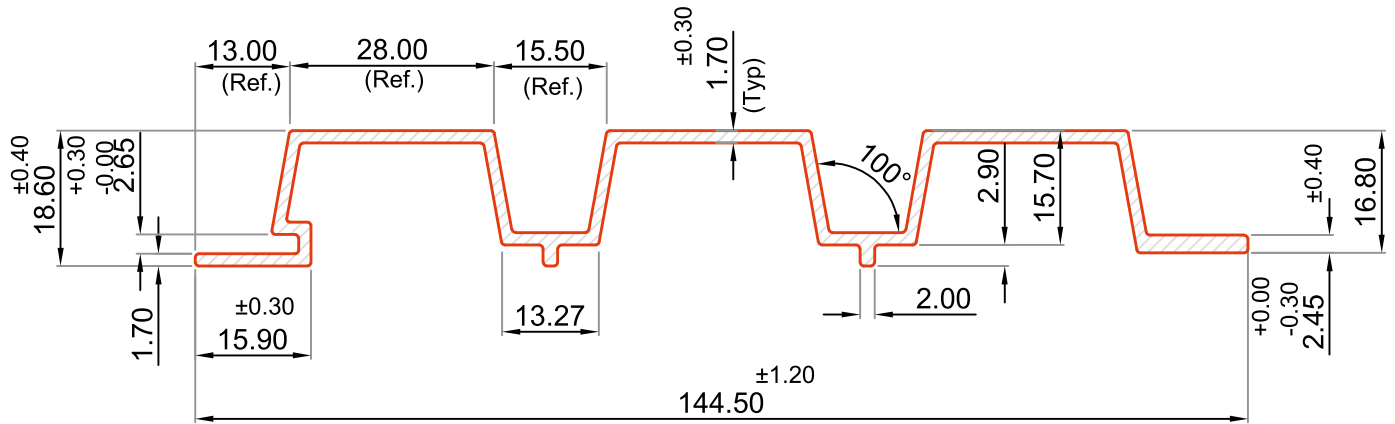
3862
5.262 kg/m

3863
6.940 kg/m


Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

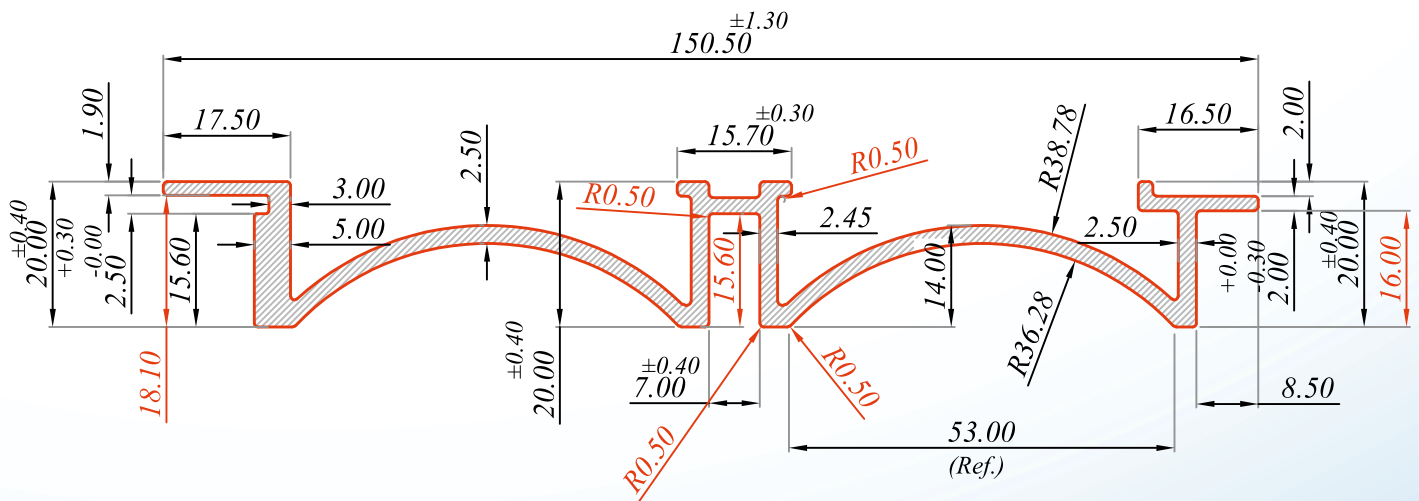
3865

1.095 kg/m



3866

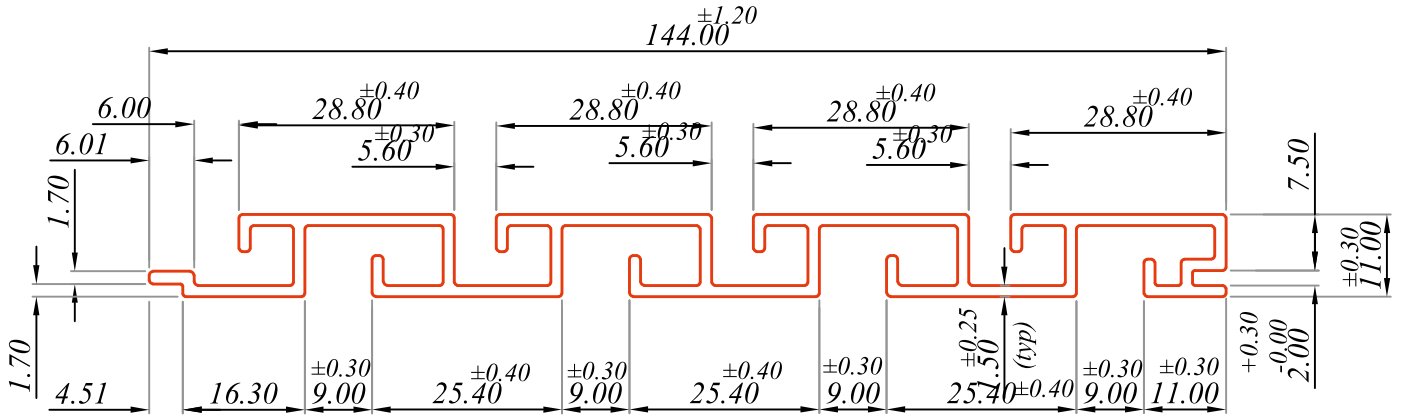
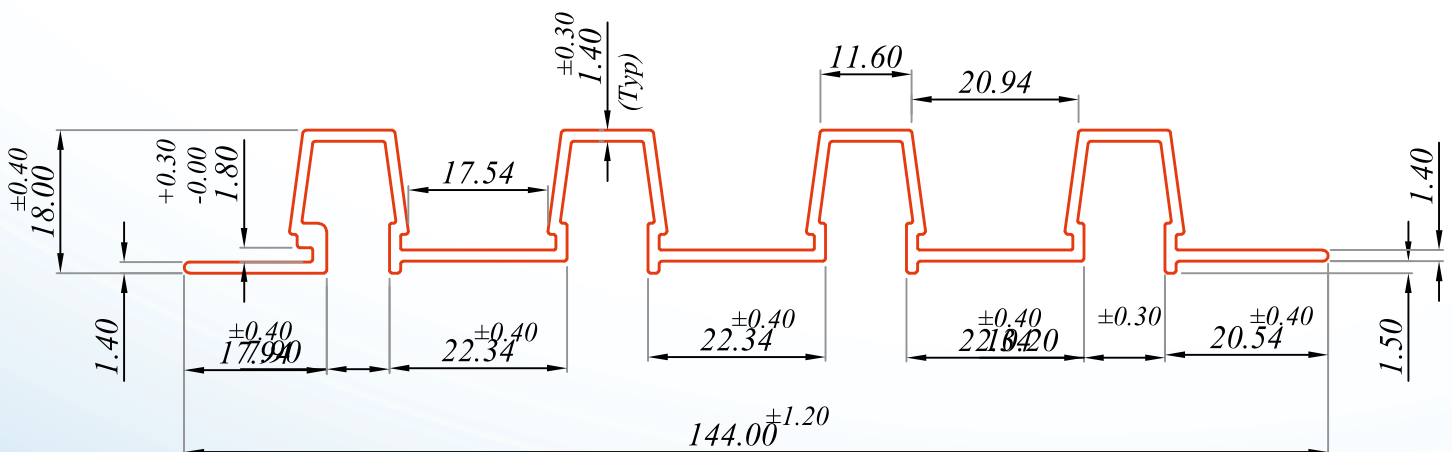
1.681 kg/m



All dimensions are in mm.

Gate profile

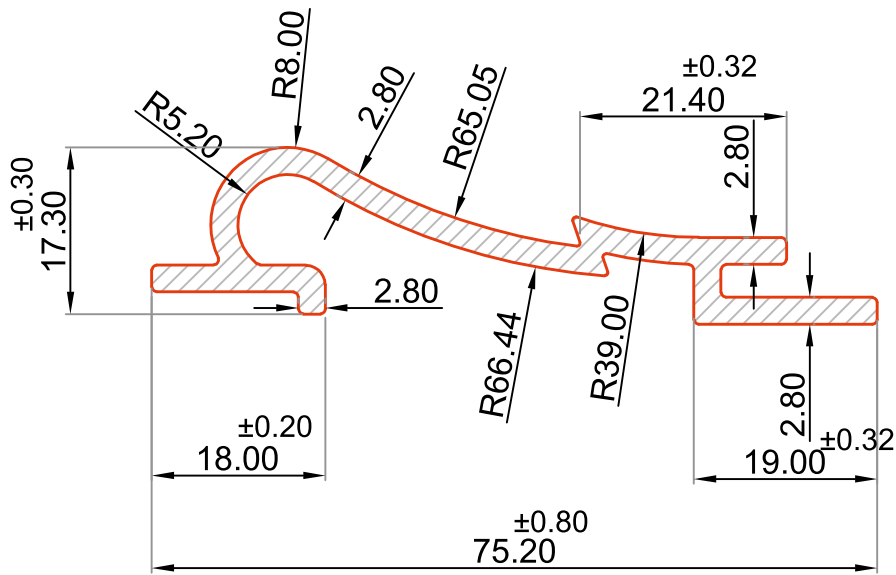
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3867
4.800 kg/m

3868
4.000 kg/m


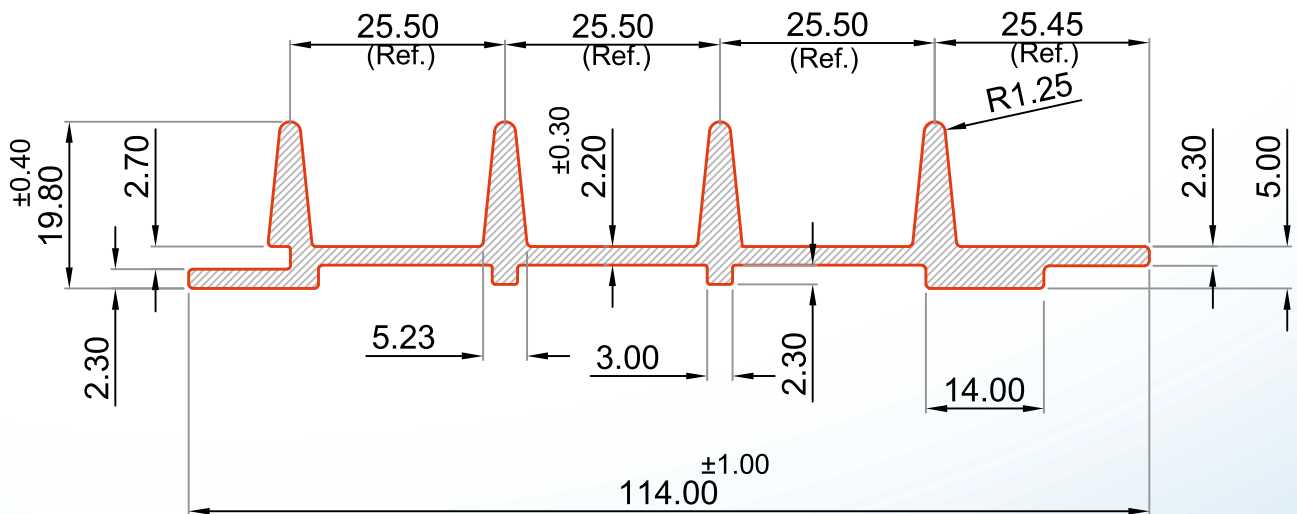
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

3869 **0.862 kg/m**



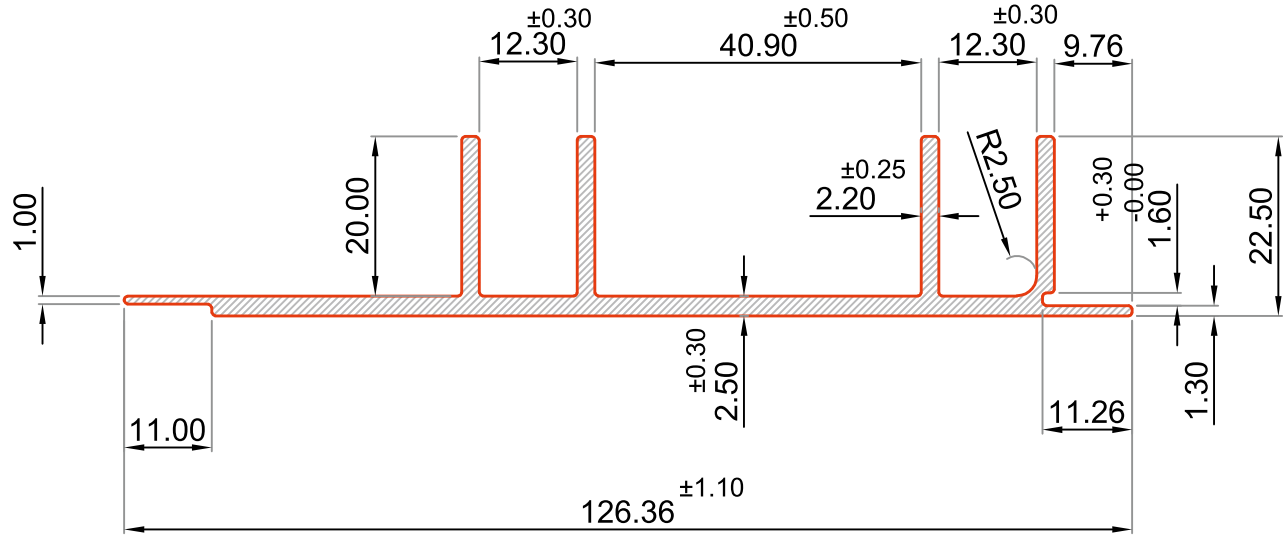
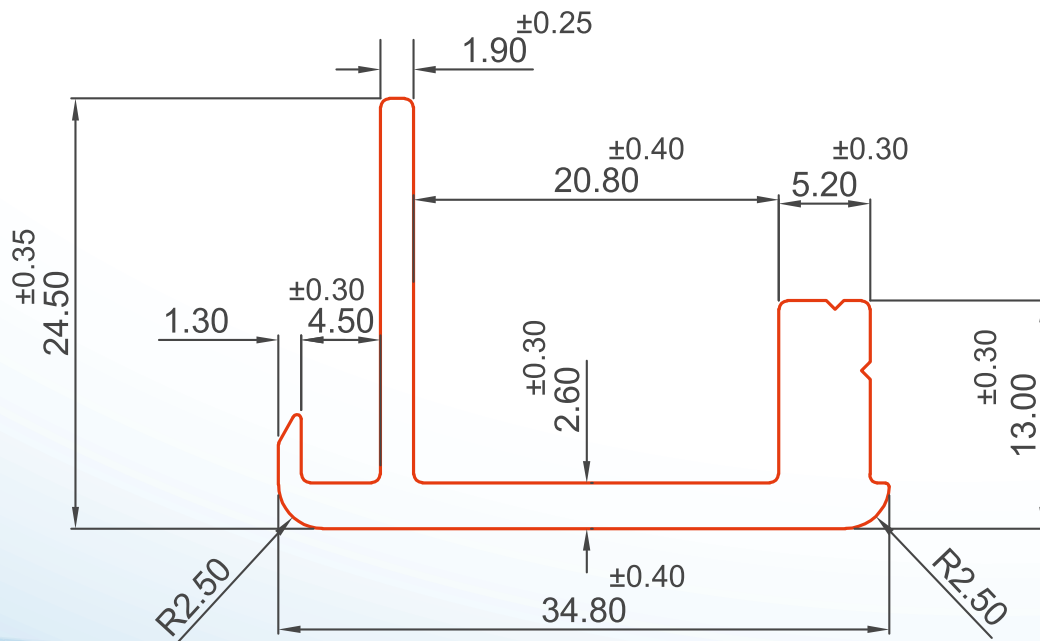
3870 **1.450 kg/m**



All dimensions are in mm.

Gate profile

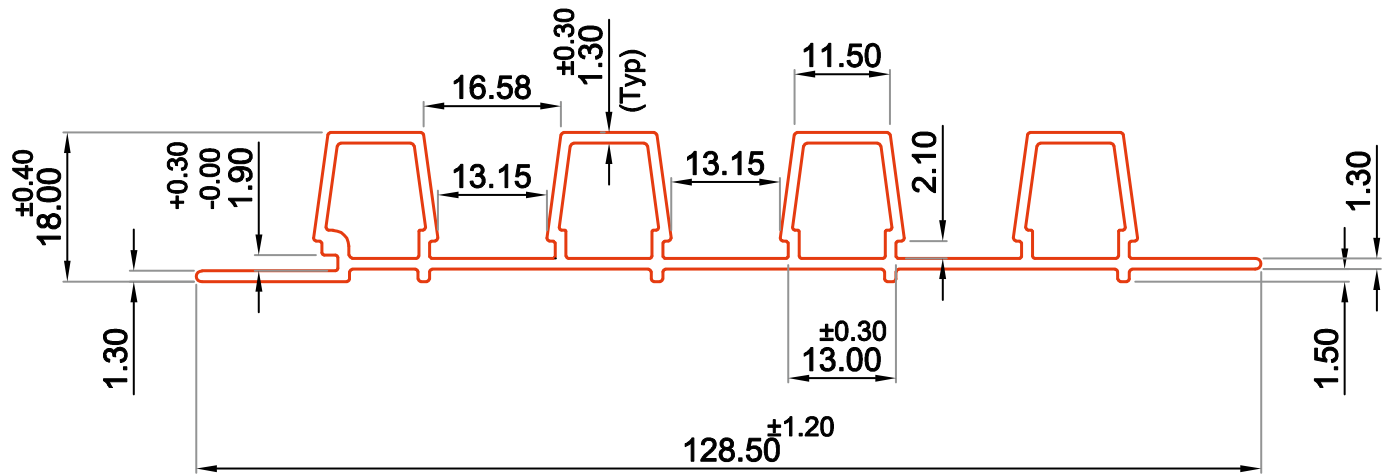
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3871-1
4.570 kg/m

3872
0.505 kg/m


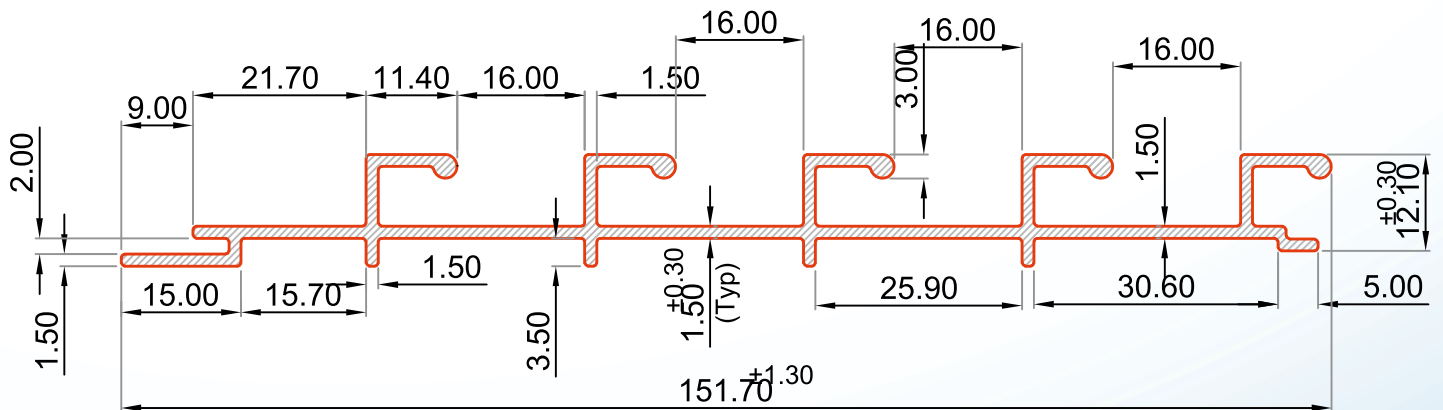
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

3873-1 **1.077 kg/m**

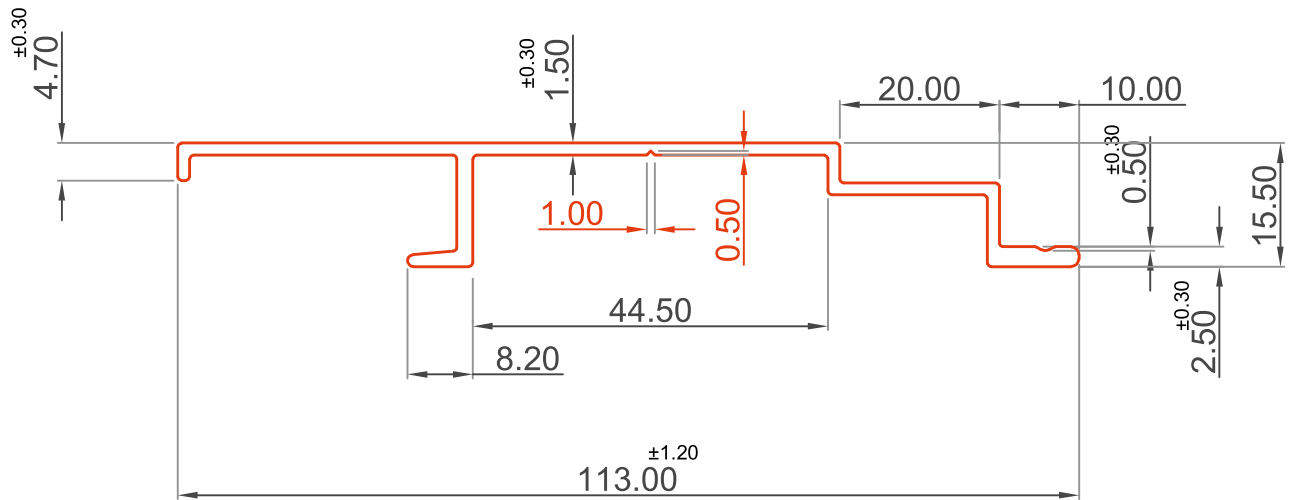
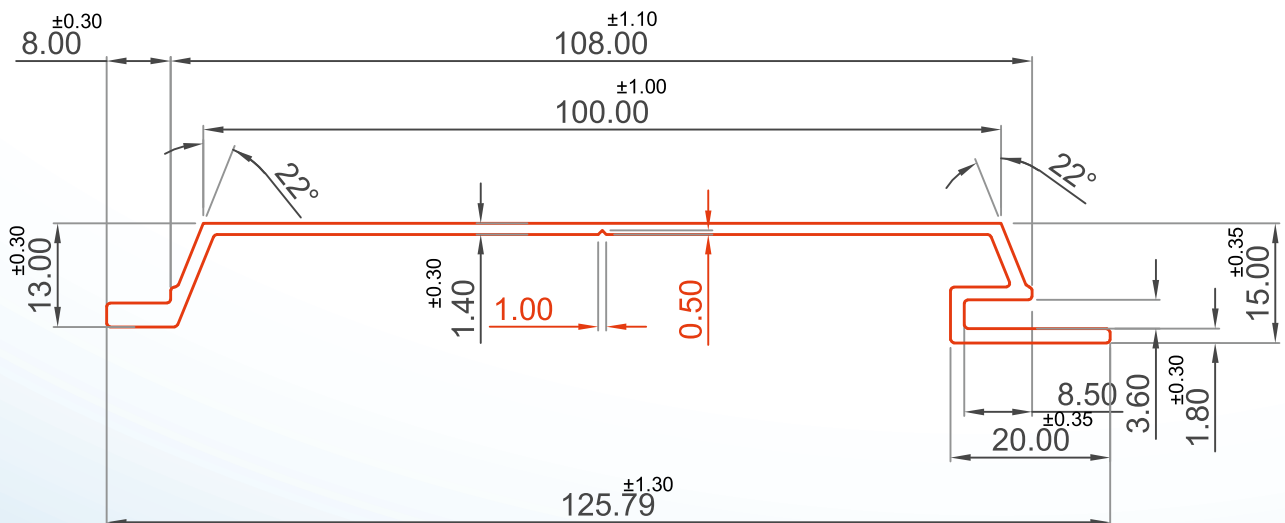


3874 **1.125 kg/m**



Gate profile

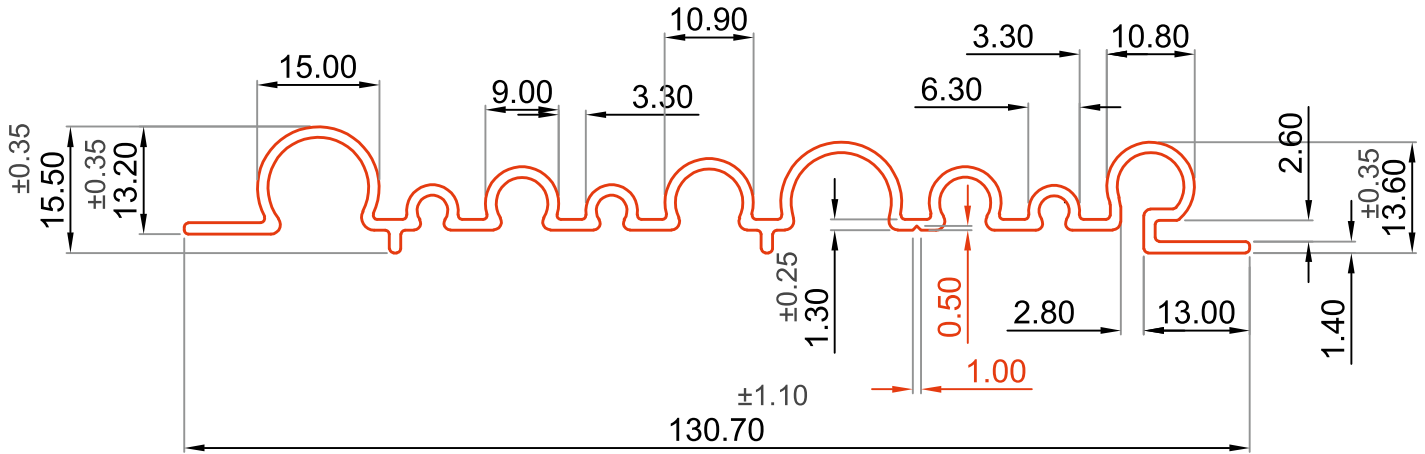
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3875 **0.656 kg/m**

3876 **2.549 kg/m**


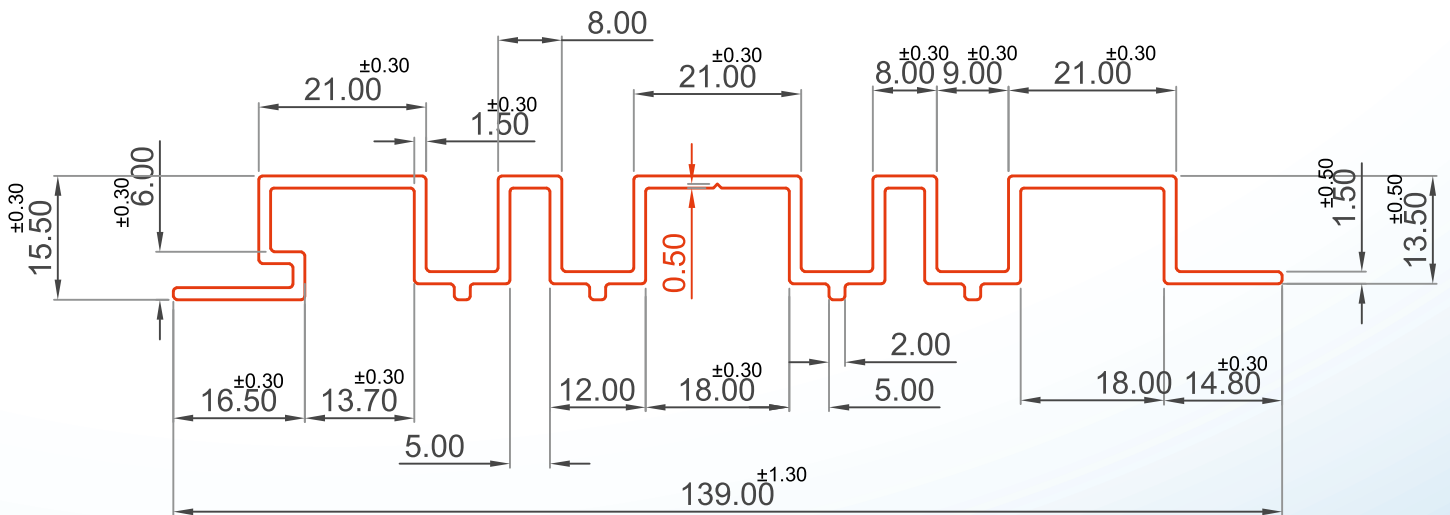
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

3877 **3.200 kg/m**

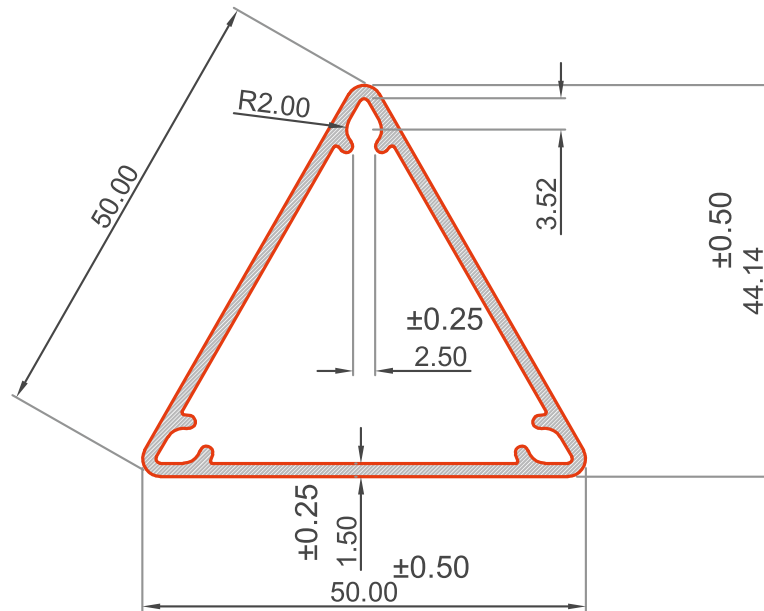
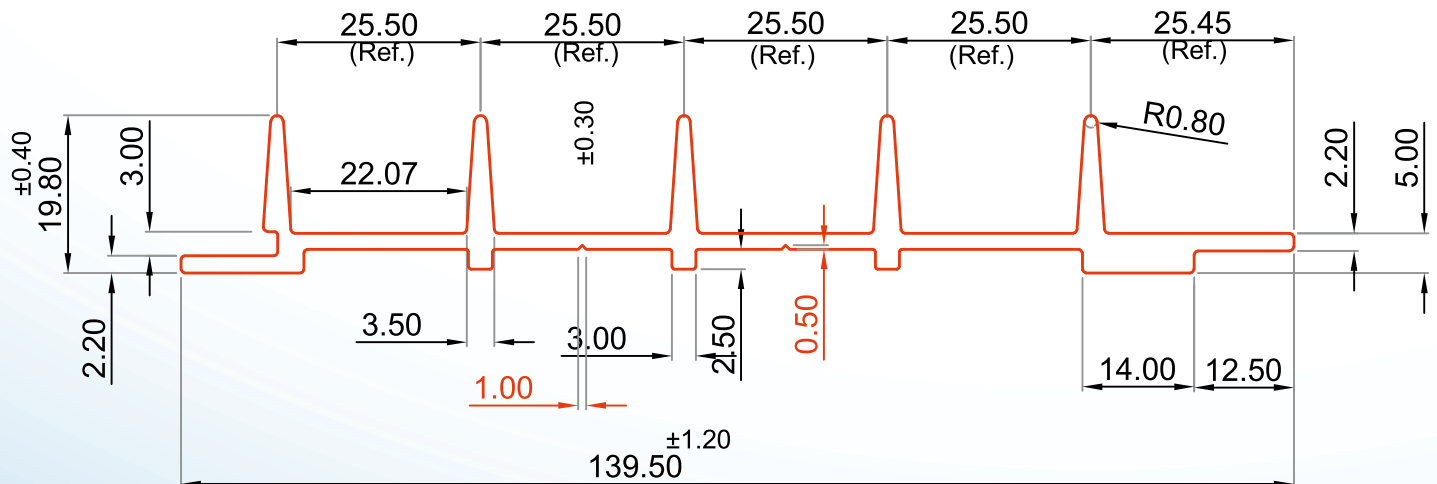


3878 **4.250 kg/m**



Gate profile

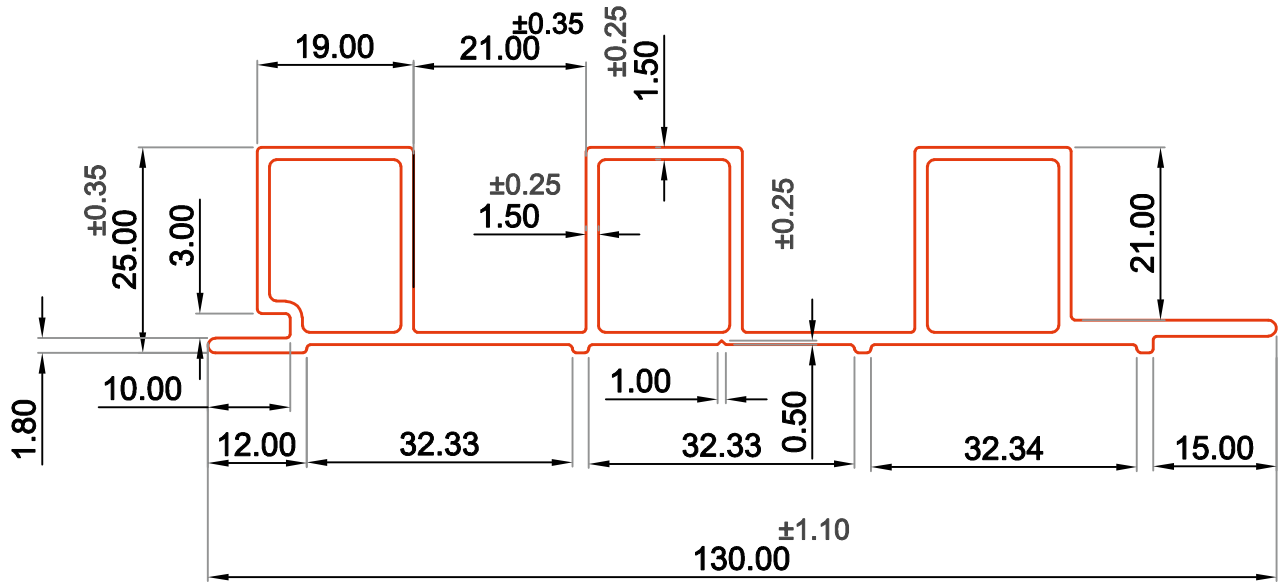
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3879
2.860 kg/m

3880
5.860 kg/m


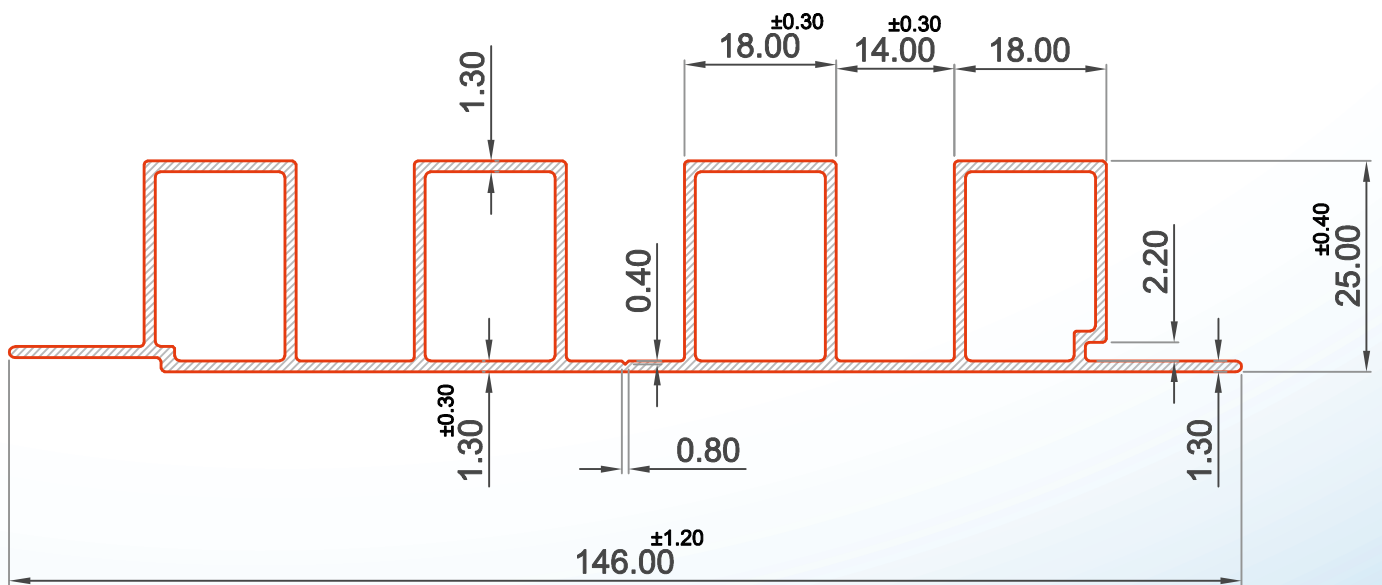
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

3881 **4.500 kg/m**

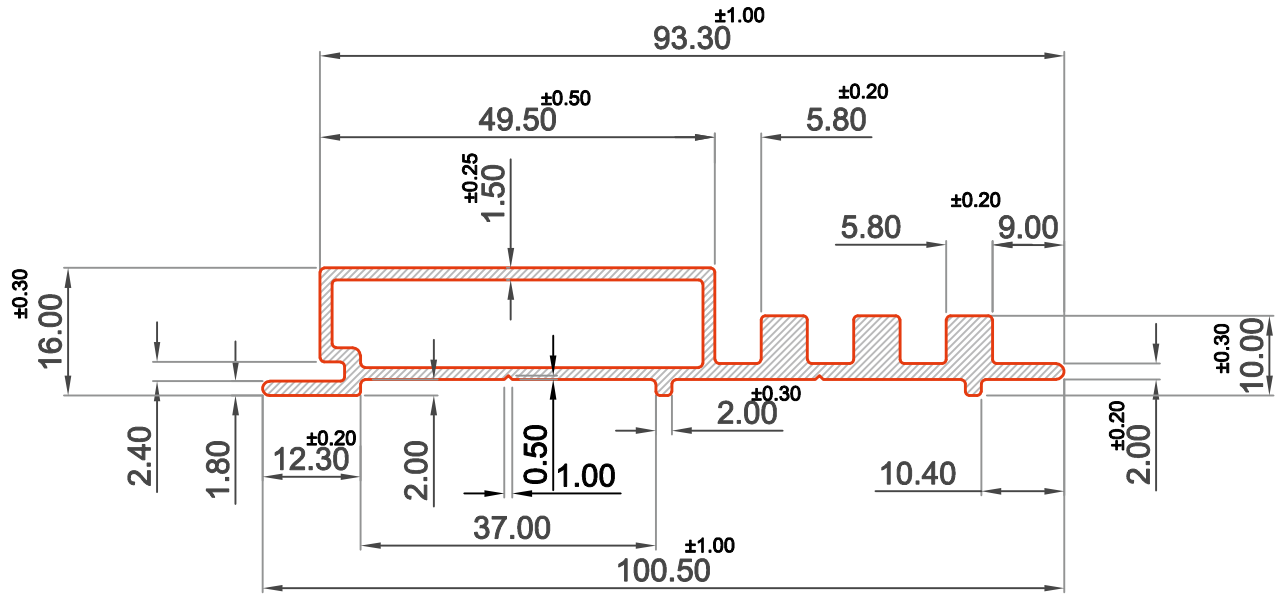
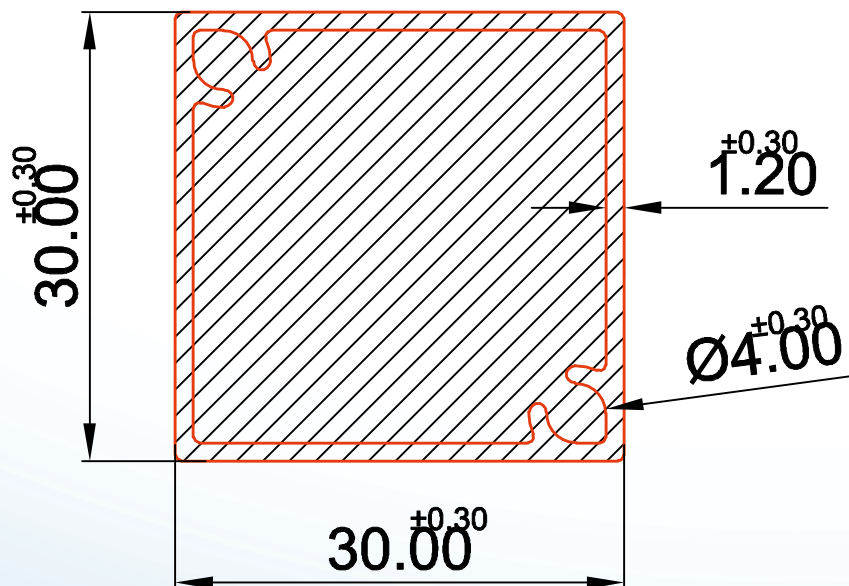


3889 **5.200 kg/m**



Gate profile

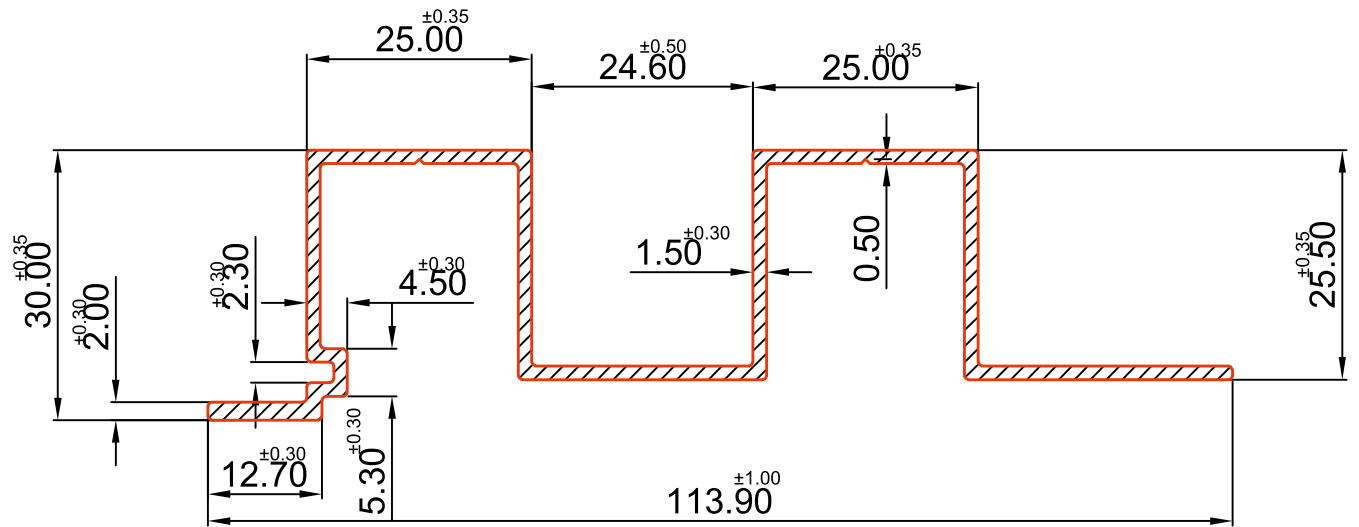
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3890
4.000 kg/m

3891
1.500 kg/m


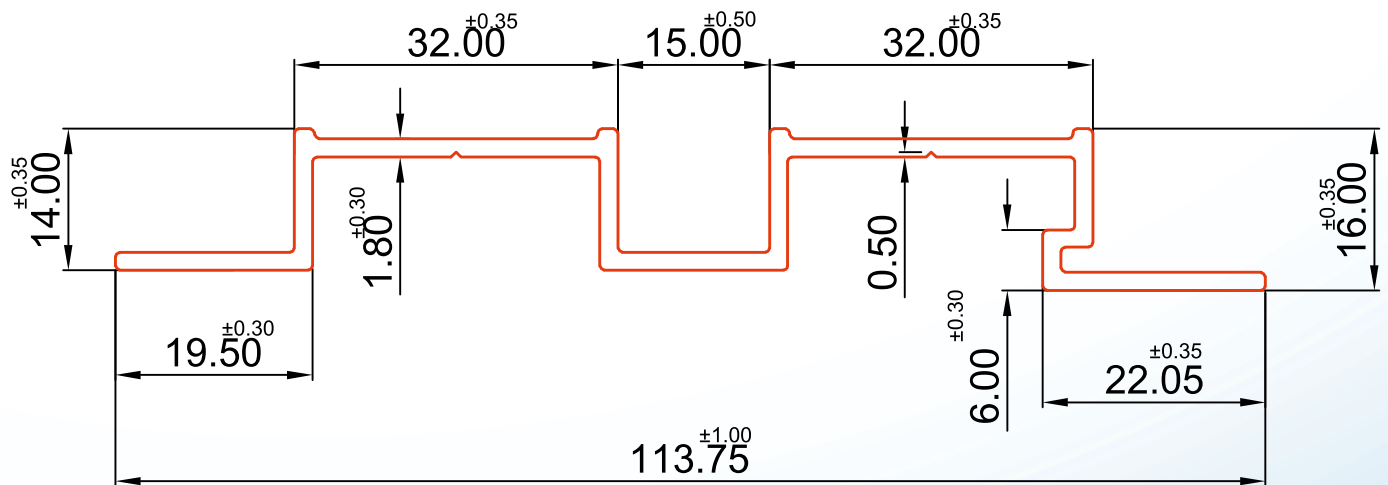
Gate profile

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

3892 **3.200 kg/m**

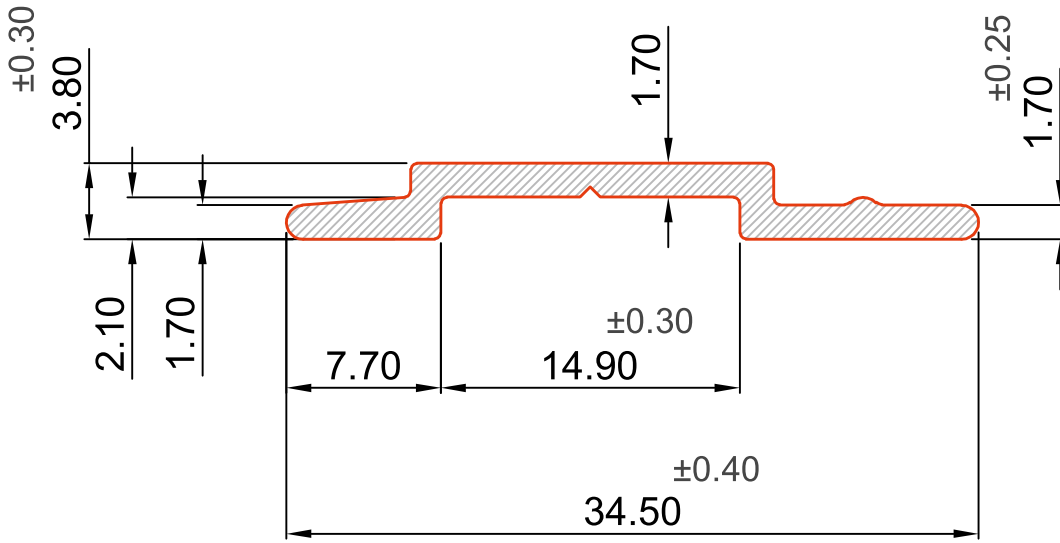
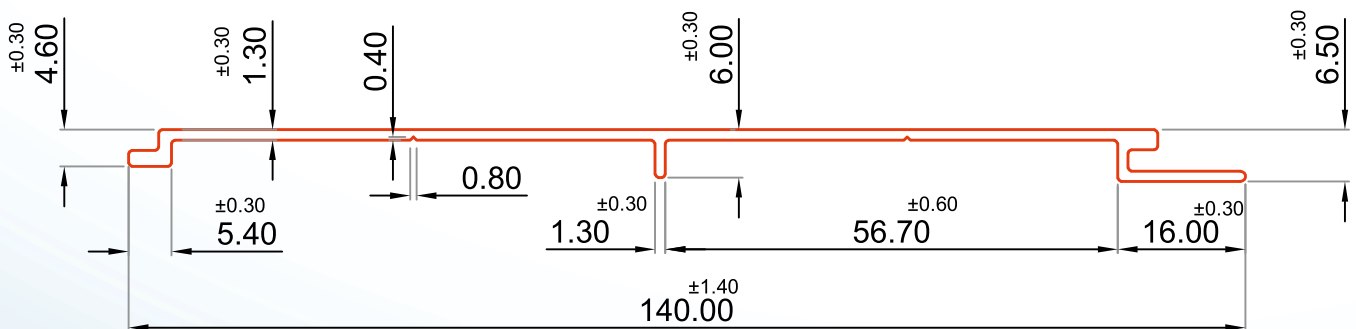


3893 **2.900 kg/m**



Gate profile

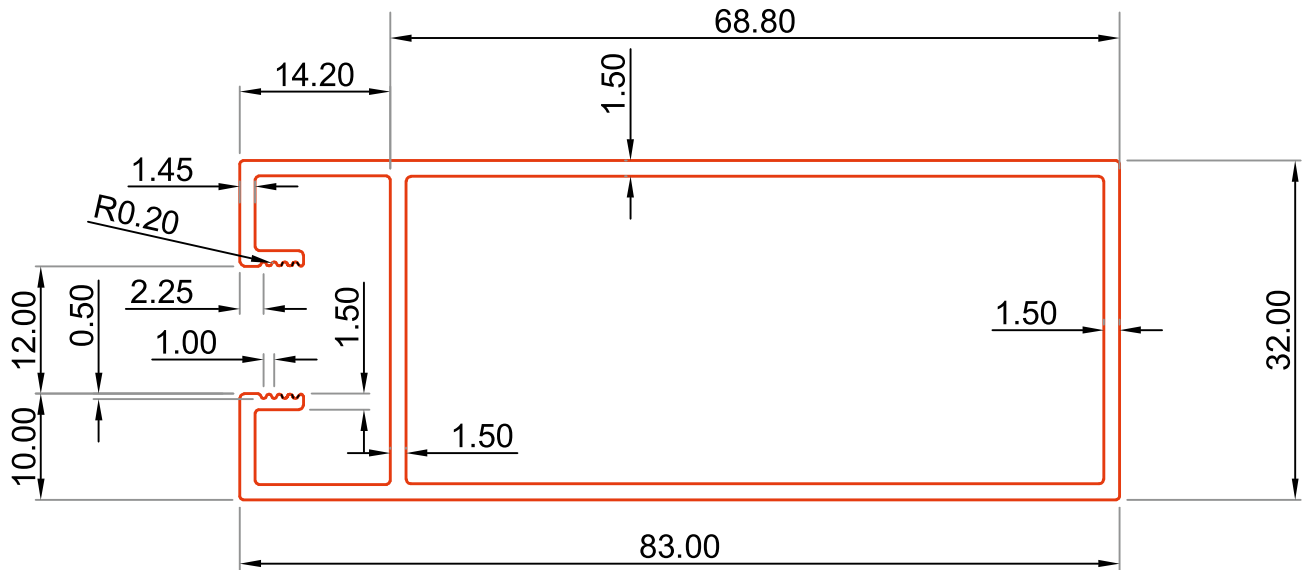
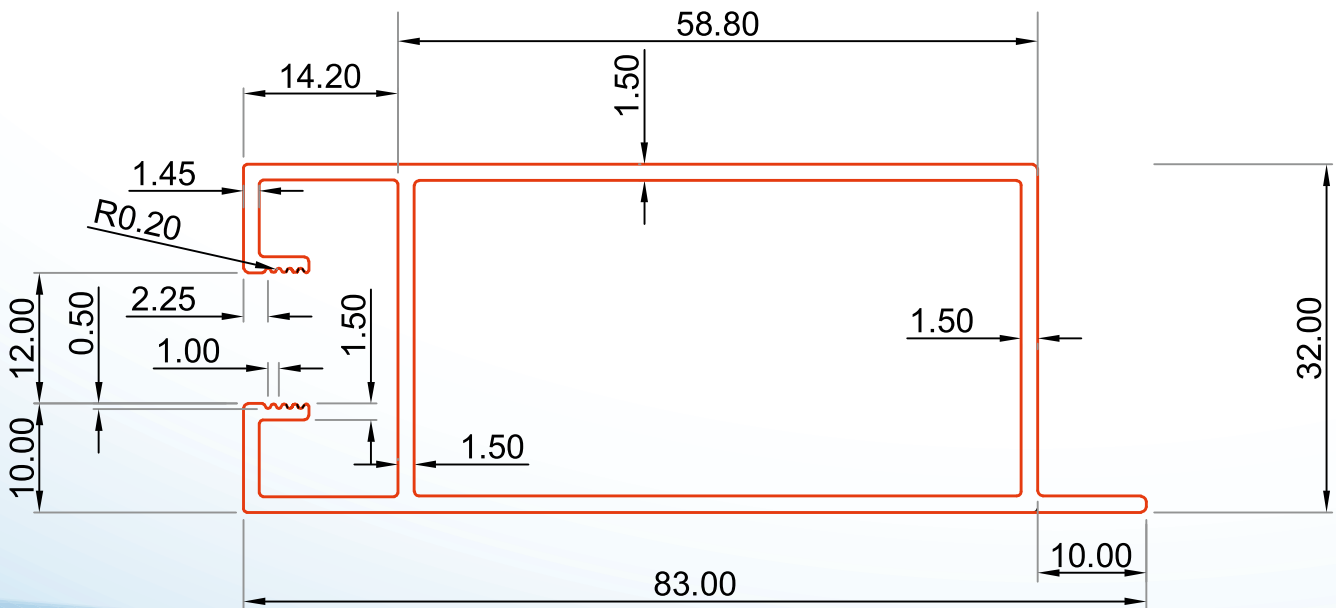
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

3894
0.651 kg/m

3895
2.162 kg/m


*Window
Profile*

Window Series

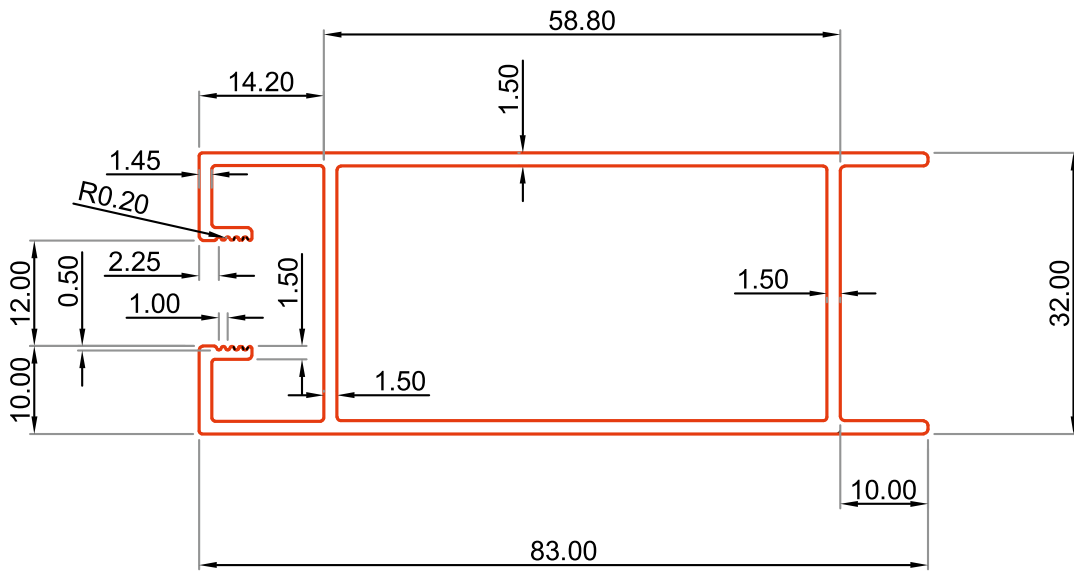
 12 feet = 3.66 metres
 15 feet = 4.572 metres
 17 feet = 5.181 metres

6313
4.60 kg/m

6314-1
4.500 kg/m


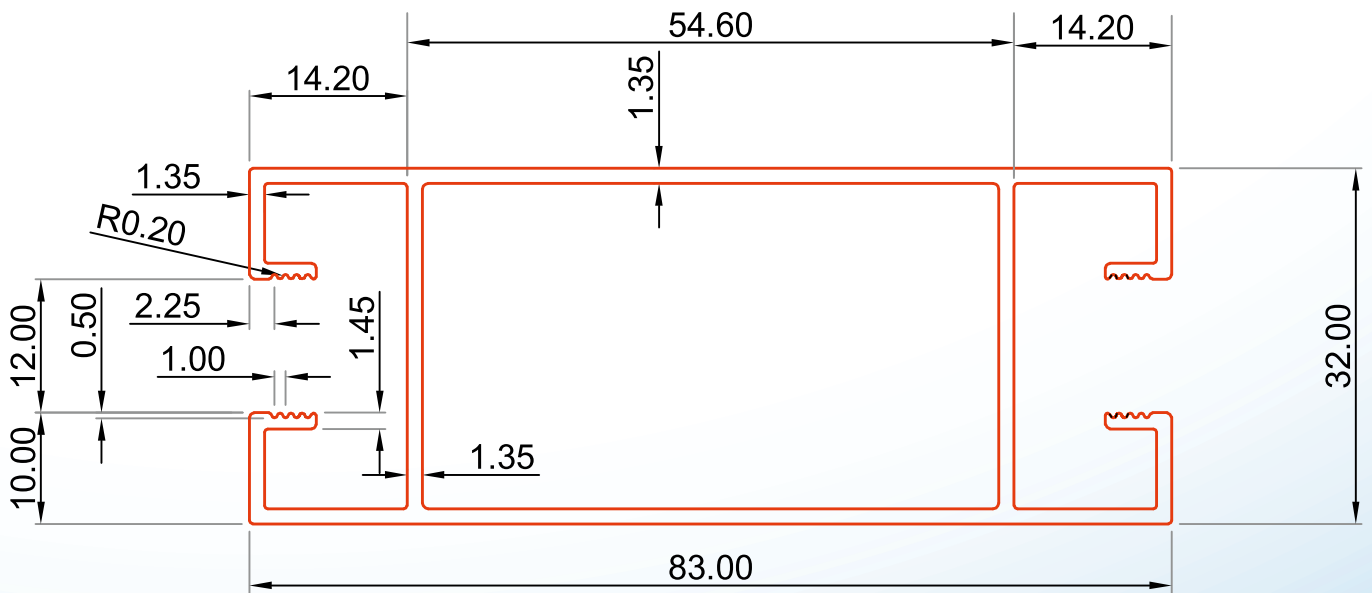
Window Series

12 feet = 3.66 metres
15 feet = 4.572 metres
17 feet = 5.181 metres

6315 **4.686 kg/m**



6316 **4.606 kg/m**



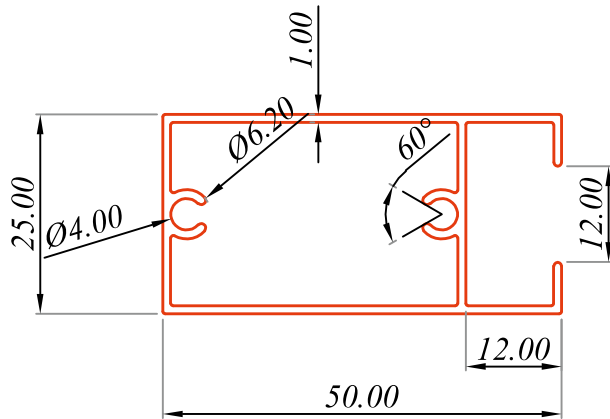
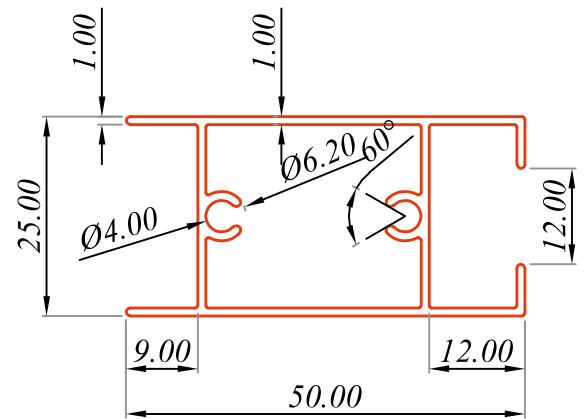
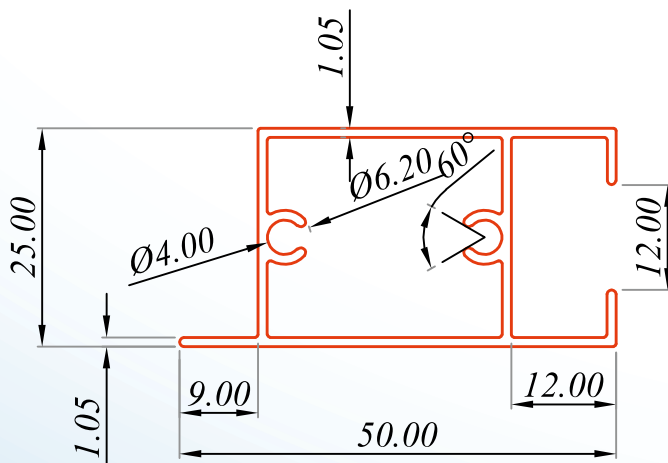
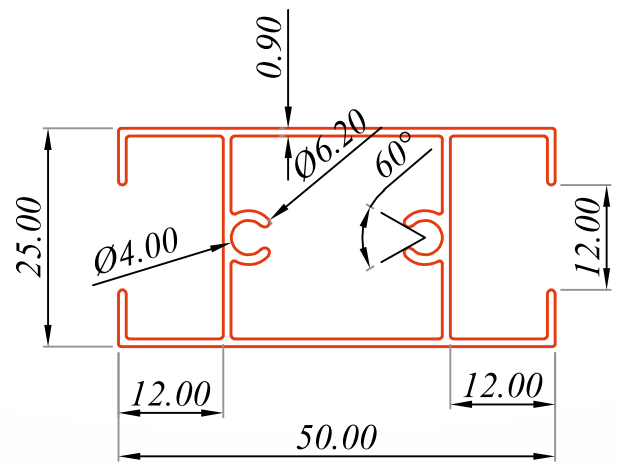
All dimensions are in mm.

Sliding Series

12 feet = 3.66 metres

15 feet = 4.572 metres

17 feet = 5.181 metres

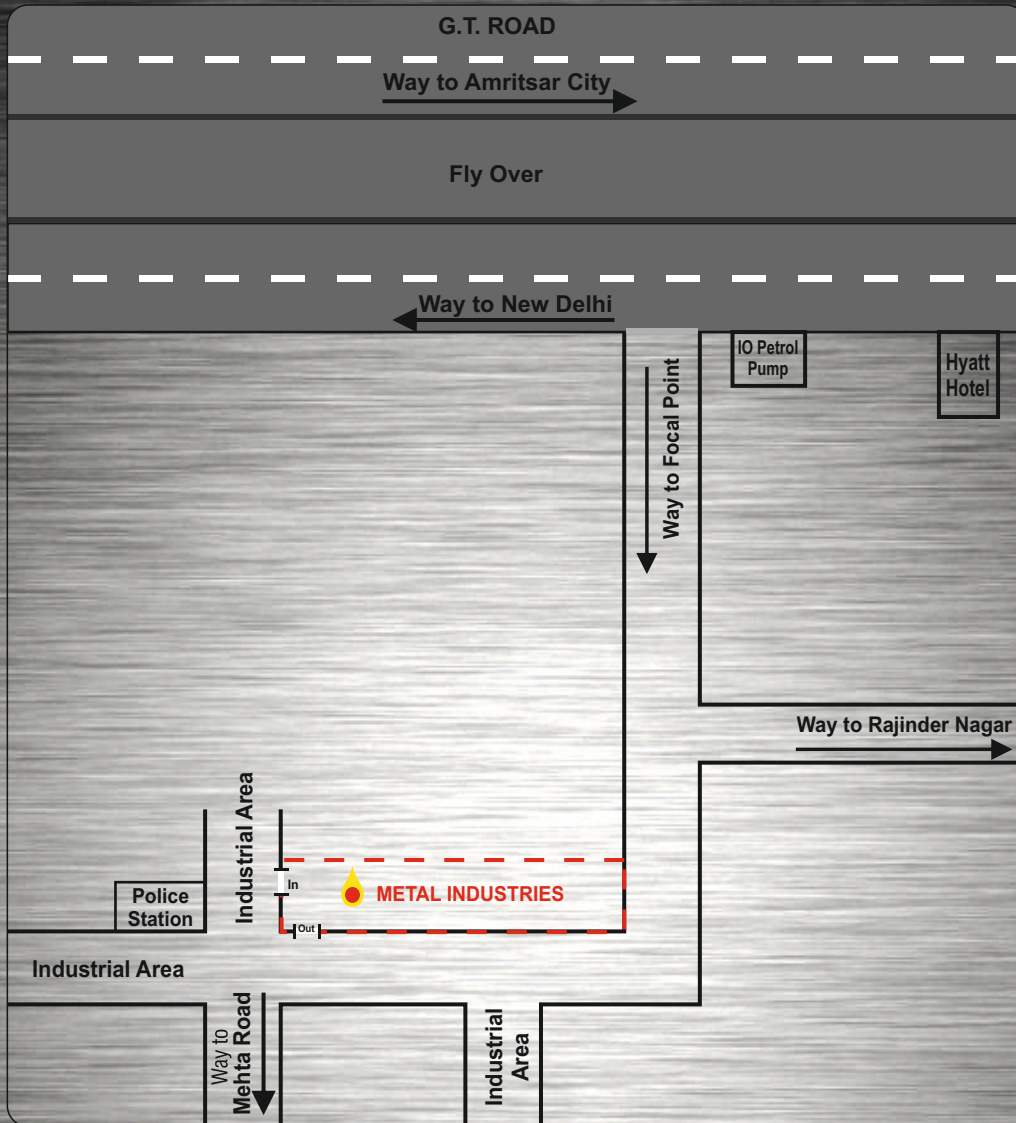
3857
2.200 kg/m

2 x 1 HANDLE
3858-1
2.200 kg/m

2 x 1 TOP/ BOTTOM
3859-1
2.181 kg/m

2 x 1 TOP/ BOTTOM -SL
3860-1
2.143 kg/m

2 x 1 DOUBLE

All dimensions are in mm.



METAL
INDUSTRIES

ROUTE MAP



**Design
and
Process**



**Product
Development**



**Quality
Commitment**

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