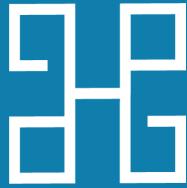


HYDRO ALUMINIUM LIMITED



PROFILES CATALOGUE

BUILDING THE FUTURE, RESTORING THE PAST



**HYDRO ALUMINIUM
LIMITED**

COMPANY --- PROFILE

Mission

Our goal is to be a reliable brand in the market that will run for generations producing high-quality products that meet international standards. Bridging the gap of quality, consistency, and timeliness in the industry, is at the core of our company. With that in mind, we have made it our sole purpose to become a solution to the market.

Vision

To provide a framework with which modern Africa is built.

Core Values

Honesty and Integrity. Strong ethics build strong foundations. Conducting ourselves in transparency and a trustworthy manner is at the core of Hydro Aluminium Limited.



HYDRO ALUMINIUM LIMITED



About Us

Hydro Aluminium Limited was incorporated in 2016, where it began as a small-scale fabrication facility with only four members. In 2017, we commissioned machinery, and by mid-2018, we commenced mass extrusion. From the onset, we set out in our hearts that for whatever we undertake high quality and value to our customers will be at our core. That is why, currently, we are among the leading manufacturers of high-quality aluminium sections in East and Central Africa. We know and understand that meeting deadlines is very crucial in the industries we serve; therefore, we have mandated ourselves to deliver in a timely manner.

What we do

We are an aluminium extrusion manufacturer based in Kenya. We supply aluminium sections to several industries both locally and internationally. The major sectors we serve include: the building & construction industry, the automotive industry and the renewable energy sector.

Why us

We have an in-house foundry through which we ensure that every single extruded aluminium profile meets international standards. We also understand that time is a valuable commodity to our customers; therefore, timely delivery is our top priority.

Our Products

- Architectural
- Electrical Hardware
- Automotive
- Any customized Aluminium Extrusion
- Solar Panels



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This is the current catalogue as of August 2024

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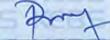
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 <p>KENYA ASSOCIATION OF MANUFACTURERS</p> <p>SSNo.6000089</p>	<h1>Kenya Association of Manufacturers</h1> <p>This is to Certify that</p> <p>Hydro Aluminium Limited</p> <p>is a member of KAM and subscribes to the values enshrined in the Association's Code of Ethics.</p> <p>Validity: January to December 2023</p> <hr/> <p><i>[Signature]</i> Chief Executive</p> <hr/> <p><i>[Signature]</i> Chairman</p> <p>Membership No. KAM-13-07-150</p>	 <p>KENYA ASSOCIATION OF MANUFACTURERS</p>
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(K.A)

PERMIT TO USE THE STANDARDIZATION MARK
THE STANDARDS ACT (CAP. 496 OF THE LAWS OF KENYA)

PERMIT IS GRANTED TO :			
NAME OF FIRM:	HYDRO ALUMINIUM LIMITED		
POSTAL ADDRESS:	P.O BOX 38720 NAIROBI 00600		
PHYSICAL ADDRESS:	SILVER COIN BUSINESS PARK, JUUA		
TELEPHONE NO.:	0789-673634		
FAX NO.:			
E-MAIL ADDRESS:	info@hydroaluminium.co.ke		
to use the standardization mark specified in the first row hereunder upon and in respect of the commodity and brand specified in the second and third rows there of, which commodity, conform to the standard specification in the fourth row.			
1 STANDARDIZATION MARK			
2 DESCRIPTION OF THE COMMODITY UPON WHICH THE STANDARDIZATION MARK IS TO BE USED	ALUMINIUM SECTIONS		
3 BRAND NAME	HYDRO (HAL)		
4 STANDARD SPECIFICATION (Number and Title)	BS EN 755:2 Aluminium and aluminium alloys-Extruded rod/bar, and profiles(Mechanical properties)		
NOTE 1: EVERY PERMIT HOLDER SHALL PAY AN ANNUAL FEE IN RESPECT OF EACH PERMIT GRANTED OR RENEWED			
S/T THIS PERMIT IS ISSUED SUBJECT TO THE CONDITIONS SET OUT OVER LEAF			
MANAGING DIRECTOR / AUTHORIZED OFFICER  KENYA BUREAU OF STANDARDS			
		Kenya Bureau of Standards	

ORIGINAL FORM STA/2		(8.4)
PERMIT TO USE THE STANDARDIZATION MARK		
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		00600
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TELEPHONE NO.:	0789-673634	
FAX NO. :		
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(A)

ORIGINAL FORM STA/2

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PHYSICAL ADDRESS: SILVER COIN BUSINESS PARK, JUJA EXPIRES ON: 2020-10-10

TELEPHONE NO.: 0789-673634 DATE OF ISSUE: 2019-10-30

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to use the standardization mark specified in the first row hereunder upon and in respect of the commodity and brand specified in the second and third rows there of, which commodity, conform to the standard specification in the fourth row.

1 STANDARDIZATION MARK		
2 DESCRIPTION OF THE COMMODITY UPON WHICH THE STANDARDIZATION MARK IS TO BE USED	ALUMINIUM SECTIONS	
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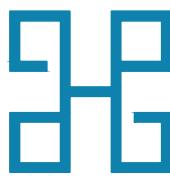
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B. A. J. E

MANAGING DIRECTOR / AUTHORIZED OFFICER
KENYA BUREAU OF STANDARDS

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Cert-01



MATERIAL SPECIFICATIONS

MECHANICAL PROPERTIES AND CHEMICAL COMPOSITION

OF ALUMINIUM ALLOY AA6063, IN TEMPER T5 & T6

CHEMICAL COMPOSITION	
Content	ALLOY AA6063
% Mg	0.45 - 0.90
% Si	0.20 - 0.60
% Cr	0.10
% Zn	0.10
% Fe	0.35
% Cu	0.10
% Mn	0.10
% Ti	0.10
Other impurities	0.05
Aluminium	Remainder

Properties	Unit	AI 6063	
		T5	T6
Ultimate Tensile Strength	N/mm ²	150	250
0.2 % Proof Stress	N/mm ²	110	160
Hardness (Brinell)	BHN	55	65
Ult. Shear Strength	N/mm ²	155	
Elongation on 50 mm	%	8	
Density	g/cm ³	2.7	
Melting Range	g/cm ³	600-500	
Coefficient on Linear Expansion	X10 ⁻² Deg °C	23	
Modulus Of Elasticity	N/mm ²	67000	
Fatigue Strength (50*10 ⁶) Cycle	N/mm ²	75	

TEMPER

T4 : Solution heat treatment and naturally aged to substantially stable condition.

T5 : Cooled from an elevated temperature shaping process and then artificially age hardened.

T6 : Solution heat treatment and age hardened.

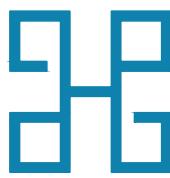
FIRE RATING

Aluminium alloys are non-combustible and rated AA (the highest possible under this classification system-BS 476: Part 6-755-2).

POWDER COATING FINISH

- GLOSS LEVEL
 - High Gloss (85 +/-5)
 - Gloss (75 +/-5)
 - Semi-Gloss (Range 45-65)
 - Matte (30 +/-5)
 - Dead Matte (5 +/-3)
- Fine Texture
- Texture
- Sandblasted
- Grit
- Hammered

Note: The finishes mentioned above are readily available. Any alternative options will necessitate samples for necessary adjustments with our suppliers on a project-by-project basis. It is always advisable to submit a sample and/or request one.



MATERIAL SPECIFICATIONS

EXTRUSION PRESS SIZE

1. 1100 MT Press
2. BILLET DIAMETER 127 mm (5 Inches)

MAXIMUM SIZE POSSIBLE

Solid : 115 mm CCD

Hollow: 95 mm CCD

ALLOY CHARACTERISTIC

AA 6063 : This is the most popular extrusion alloy, it has a good surface finish, is corrosion resistant and can be heat treated for strength.

AA 6061: Its the most versatile alloy of heat treatable group. It is an improved magnesium silicide alloy with the ability to develop strengths somewhat higher than 6063 alloy; good corrosion resistance and is used in transportation and structural applications.

AA 6082: Similarly this alloy has good tensile strength having good extrudability ; Widely chosen for Automobile profiles Structures with complex sections, Structural engineering, Pylons, Platforms, Pipelines, Masts for sailing boats etc...



TOLERANCE

WHAT IS TOLERANCE?

Taking into account that in design and production of extruded products, manufacturing processes have limits of accuracy that happens due to technology and economics.

Due to this; Products sometimes have variables in dimensions that are within acceptable limits.

Those limits are called **Tolerances**.

WHERE TOLERANCE ARE APPLICABLE

In accordance with the extruded product that comes in specified dimensions of its cross-section and specifying the length, the allowed tolerances are usually expressed in plus-or-minus fractions or percentages of a dimension.

Other than a special specification of a die, which may be consulted with the Extruder, Standard Industry Tolerances are always applied.

Standard tolerances for extruded rod, bar and shapes are applied to cross section/wall thickness, length, straightness, twist, flatness, surface roughness, end cut squareness (vertical and transverse), contour (curved surfaces), corner and fillet radii and angularity.

Extruded tube has standard tolerances for diameter, wall thickness, width and depth for square or rectangular tubes.

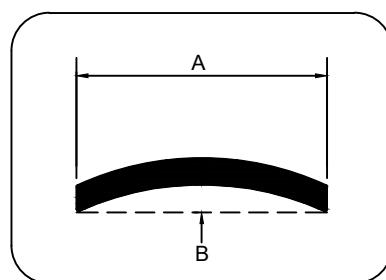
STANDARD TOLERANCES

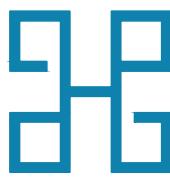
Standard tolerances are not simple, uniform fractional formulas. There are many different specific numbers of formulas published in tables.

The various tolerances are established to match the various degrees of controlling different tolerated dimensions.

As a result, tolerances vary with cross-sectional size (as measured by the profile's fit within a circumscribing circle), and even with the location of each dimension on a complex shape.

Alloy composition and temper also influence certain tolerances, and are reflected in the standard tolerance tables. But their significance is simple and important: under standard tolerances, aluminium extrusions are produced with dimensions accurate within tenths or hundredths of a millimeter. For most purposes, that is a more than ample degree of precision.





TOLERANCE

EFFECTS OF TOLERANCES ON PRODUCTS**1. Concavity & Convexity**

Width (mm)	Tolerance
	Maximum (mm)
25 mm	0.125
50 mm	0.250
75 mm	0.375
100 mm	0.500

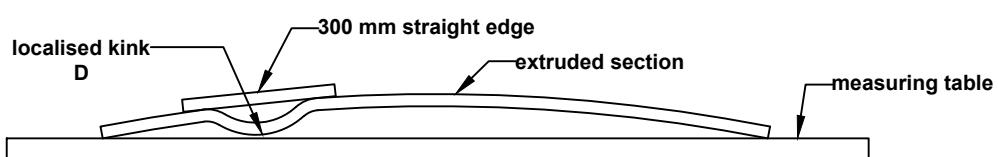
Dimensional tolerances are rounded down to the nearest 0.05mm, because all callipers used to measure metal dimensions are almost universally graduated at intervals of 0.05mm.

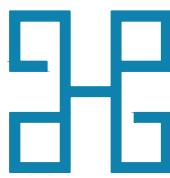
2. Bow

The function of any particular shape is paramount, and under this provision, negotiation and agreement between the customer and the extruder is encouraged, particularly at the design stage.

Width (mm)	Tolerance
	Maximum (mm)
25 mm	0.125
50 mm	0.250
75 mm	0.375
100 mm	0.500

Dimensional tolerances are rounded down to the nearest 0.05mm, because all callipers used to measure metal dimensions are almost universally graduated at intervals of 0.05mm.

Straightness Tolerance for Extruded Products:



TOLERANCE

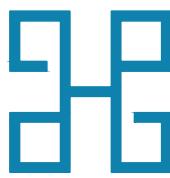
Alloy and Temper	Allowable deviation from straightness, D, mm	
	In any length 300mm	Maximum (mm)
6101-T5	0.2	0.7 L
6063 -T5 & T52	0.2	0.7 L
6060 -T5 & T52	0.2	0.7 L
All other alloys and tempers	0.6	2 L

3. Bars & Regular Section(i). Width and Diameter

Diameter, width or across flats		Tolerance + (mm) - (mm)
Over (mm)	Up to and including (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

(ii). Thickness

Diameter, width or across flats		Thickness (mm)											
Up to and including (mm)		over		1.6	3.0	6	10	18	30	40	60	80	
		Up to & incl.	1.6	3.0	6	10	18	30	40	60	80	100	
-		-	0.16	0.18	0.20	0.22							
10			0.18	0.20	0.22	0.24	0.26						
18			0.22	0.24	0.26	0.28	0.30	0.32					
30			0.24	0.26	0.28	0.30	0.33	0.36	0.40				
60			0.28	0.30	0.32	0.34	0.37	0.40	0.43	0.45	0.50		
80			0.32	0.34	0.36	0.39	0.42	0.45	0.48	0.52	0.65	0.80	



TOLERANCE

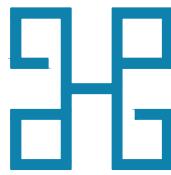
(iii). Width, (width across flats & thickness)

Diameter, width or across flats			Thickness (mm)						
Over (mm)	Up to and including (mm)	Tolerance + (mm) - (mm)	over		1.6	3.0	6	10	18
			Up to & incl.	1.6	3.0	6	10	18	30
3	3	0.16							
	10	0.20							
	18	0.26		0.20	0.22				
	30	0.32		0.26	0.28	0.32			
	40	0.40		0.32	0.36	0.41	0.48		
	60	0.45		0.32	0.36	0.41	0.48		
	80	0.50		0.36	0.41	0.48	0.58	0.68	
	100	0.65			0.48	0.58	0.68	0.82	1.0

(iv). Diameter of tubing

Nominal outside diameter		Tolerance on actual diameter + (mm) - (mm)	Tolerance on mean diameter + (mm) - (mm)
Over (mm)	Up to and including (mm)		
12	18	0.25	0.19
18	30	0.30	0.23
30	40	0.36	0.27
40	50	0.4500	0.34
50	60	0.54	0.40
60	80	0.6	0.45
80	100	1% of diameter	3/4% of diameter

1. Measured at the corners.
2. The tolerances apply to; non-heat treated sections and tubing of wall thickness not less than 1.6mm or 1/32 of the overall width or outside diameter (whichever is greater), and to heat treated sections and tubing of wall thickness not less than 1.6mm or 1/24 of the overall width, or outside diameter (whichever is the greater).
The maximum tolerance on concavity and convexity is 0.05mm per 10.0mm of width.
3. In the case of tubing in straight lengths, the tolerance limits are inclusive of ovality.

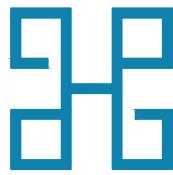


TOLERANCE

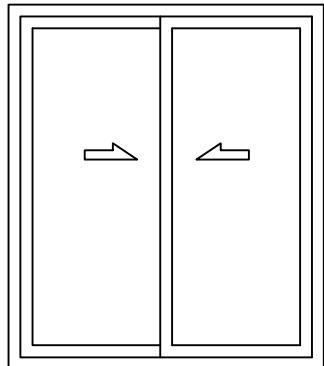
(v). Diameter of tubing

Nominal thickness	Tolerance on actual diameter + (mm) - (mm)	Thickness at any point	
		Max (mm)	Min (mm)
1.6	0.18	1.84	1.36
2.0	0.20	2.27	1.76
2.5	0.22	2.80	2.20
3.0	0.27	3.36	2.64
4.0	0.31	4.42	3.58
5.0	0.37	5.49	4.51
6.0	0.43	6.58	5.42
7.0	0.51	7.67	6.33
8.0	0.56	8.76	7.34
10.0	0.65	10.85	9.15
12.0	0.77	13.03	10.97
12.0	0.88	15.24	12.76

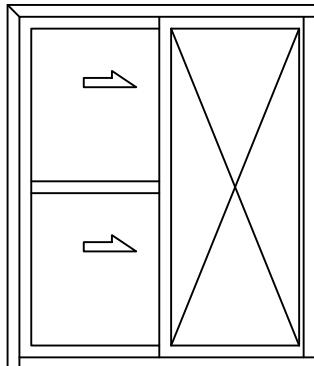
These tolerances on wall thickness do not apply where tolerances on both outside and inside diameter are required. Mean thickness is the average of the wall thickness measured at four equidistant points around the circumference.



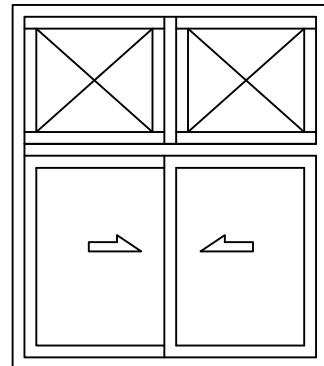
APPLICATIONS



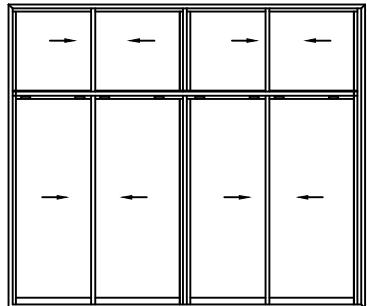
DOUBLE SLIDING



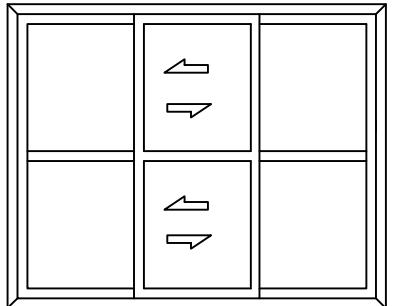
SINGLE SLIDING



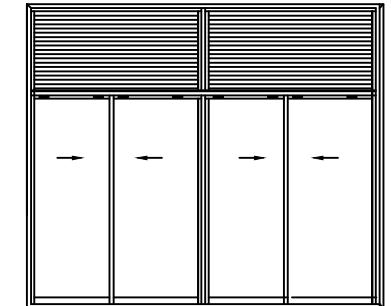
SLIDING WITH FIXED TOP



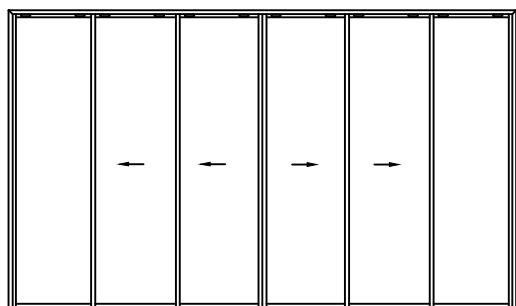
DOUBLE SLIDING TOP AND BOTTOM



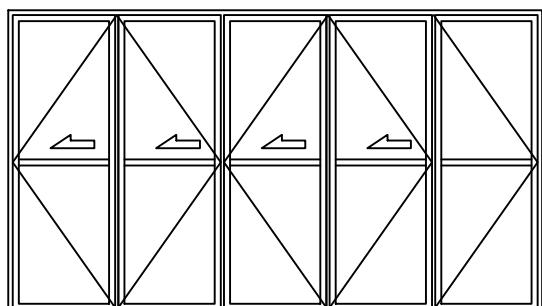
SLIDING AND FIXED



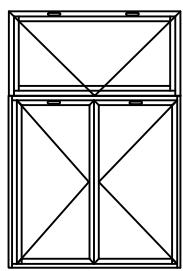
SLIDING LOUVERED TOP



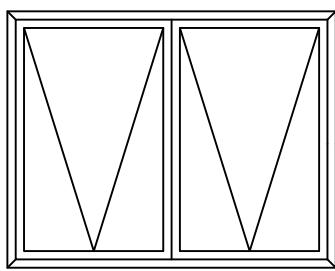
THREE TRACK SLIDING



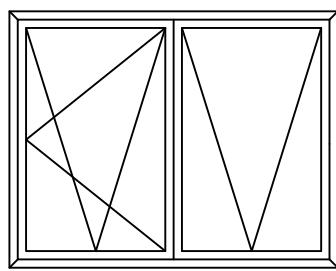
SLIDING BY FOLDING



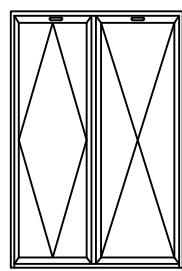
CASEMENT WITH
TOP HUNG



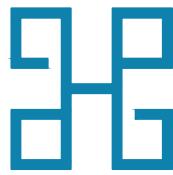
PROJECTING /TOP HUNG



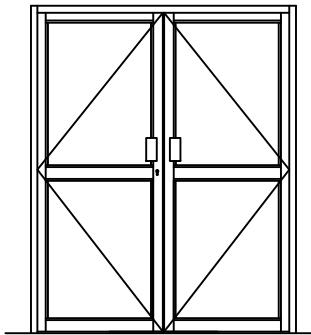
TIILT AND TURN



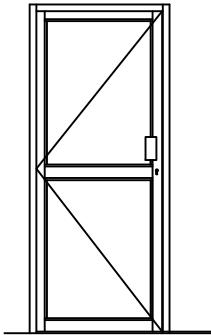
FIXED WITH PIVOT



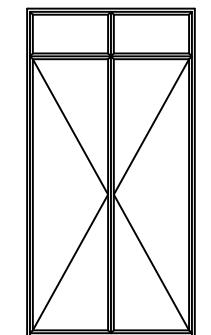
APPLICATIONS



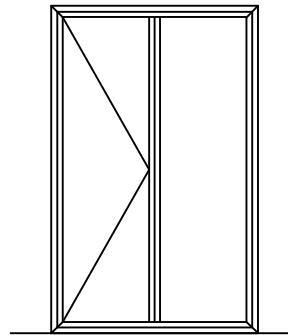
DOUBLE HUNG



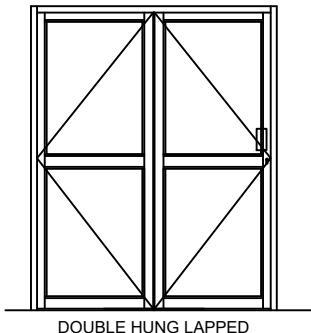
SINGLE HUNG



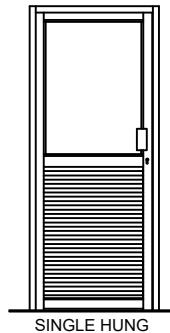
DOUBLE HUNG
WITH FIXED TOP



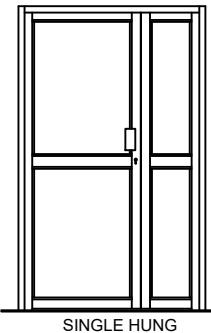
SINGLE HUNG WITH
FIXED SIDE



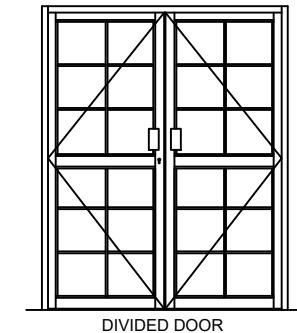
DOUBLE HUNG LAPPED



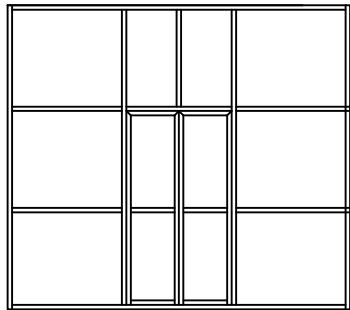
SINGLE HUNG
WITH LOUVRE



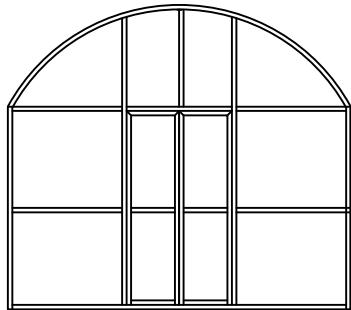
SINGLE HUNG
WITH EXTENSION



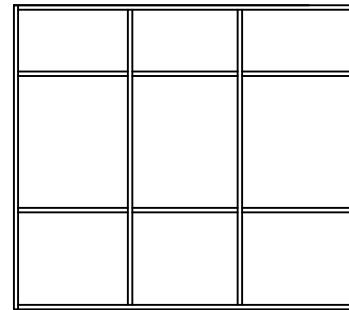
DIVIDED DOOR



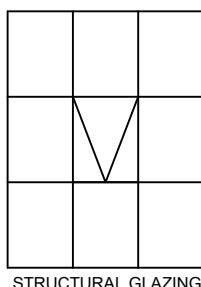
SHOP FRONT



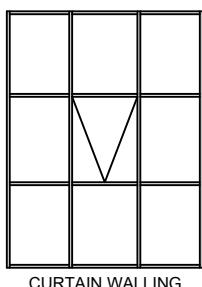
SHOP FRONT



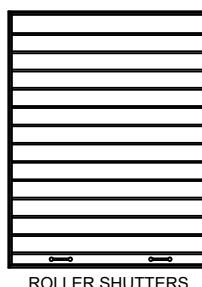
PARTITIONING



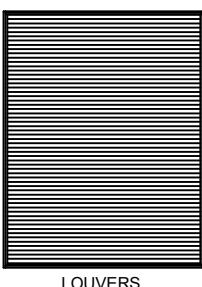
STRUCTURAL GLAZING



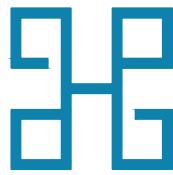
CURTAIN WALLING



ROLLER SHUTTERS

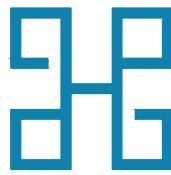


LOUVERS
/SUN BREAKERS

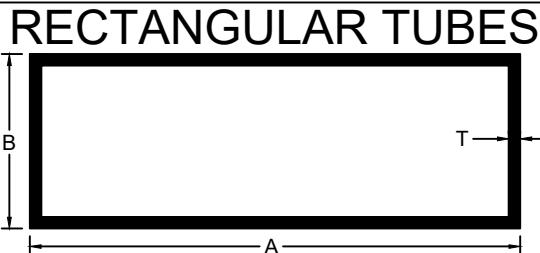


HYDRO ALUMINIUM LTD

REGULAR PROFILES



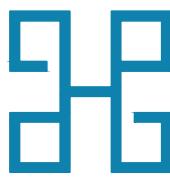
REGULAR PROFILES

RECTANGULAR TUBES

No.	NEW CODE	A	B	T	Kg/M
1	109-0924	45.00	25.00	1.20	0.46
2	109-0903	45.00	25.00	1.50	0.58
3	109-0913	50.00	25.00	1.20	0.50
4	109-0925	50.00	25.00	2.00	0.81
5	221-0114	50.00	40.00	2.00	0.98
6	109-0914	60.00	40.00	1.50	0.83
7	109-0904	70.00	25.00	1.20	0.63
8	109-0905	70.00	45.00	1.20	0.77
9	109-0906	70.00	45.00	1.50	0.96
10	109-0915	72.00	24.00	2.80	1.44
11	109-0911	76.00	44.00	1.20	0.81
12	109-0912	80.00	40.00	1.20	0.81
13	221-0113	80.00	40.00	2.00	1.32
14	109-0902	100.00	25.00	1.50	1.04
15	109-0907	100.00	45.00	1.20	0.98
16	109-0908	100.00	45.00	1.50	1.21
17	109-0909	100.00	45.00	2.00	1.60
18	109-0916	100.00	45.00	3.00	2.37
19	109-0926	100.00	50.00	2.00	1.66
20	109-0910	100.00	65.00	2.00	1.83
21	109-0922	120.00	50.00	1.80	1.70

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2. The weight shared is for Mill finish
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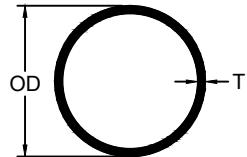
NEW!



HYDRO ALUMINIUM LTD

REGULAR PROFILES

CIRCULAR TUBE



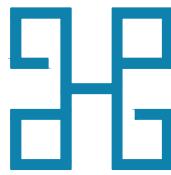
CIRCULAR TUBE

No.	NEW CODE	OD	ID	T	Kg/M
1	105-0513	8.00	5.00	1.50	0.09
2	105-0514	10.00	7.00	1.50	0.12
3	105-0515	12.00	9.00	1.50	0.15
4	105-0502	16.00	13.00	1.50	0.20
5	105-0501	16.00	12.00	2.00	0.25
6	105-0512	18.00	15.00	1.50	0.23
7	105-0517	19.00	16.00	1.50	0.24
8	105-0503	25.00	22.00	1.50	0.32
9	105-0504	25.00	21.00	2.00	0.41
10	225-1060	25.40	21.40	2.00	0.42
11	105-0518	39.70	37.70	1.00	0.35
12	105-0511	40.00	34.00	3.00	0.99
13	218-0535	40.10	36.10	2.00	0.68
14	105-0505	45.00	41.00	2.00	0.77
15	105-0506	45.00	39.00	3.00	1.13
16	105-0507	50.00	46.00	2.00	0.86
17	105-0508	100.00	96.00	2.00	1.75
18	105-0509	100.00	94.00	3.00	2.60
19	105-0519	75.00	69.00	3.00	1.93

NEW!

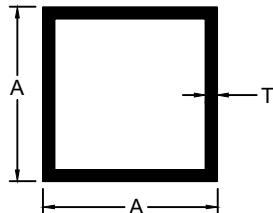
NEW!

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REGULAR PROFILES

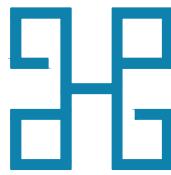
SQUARE TUBES



<u>SQUARE TUBES</u>				
No.	NEW CODE	A	T	Kg/M
1	108-0801	16.00	1.20	0.21
2	108-0802	16.00	1.50	0.25
3	108-0803	18.00	1.50	0.29
4	108-0804	18.00	2.00	0.37
5	108-0806	25.00	1.20	0.33
6	108-0805	25.00	2.00	0.53
7	108-0812	38.00	2.00	0.82
8	108-0818	38.00	3.00	1.20
9	108-0809	45.00	1.20	0.60
10	108-0810	45.00	1.50	0.75
11	108-0817	50.00	1.10	0.62
12	108-0807	50.00	1.50	0.83
13	108-0808	50.00	2.00	1.09
14	108-0811	50.00	3.00	1.60
15	108-0819	75.00	1.80	1.50

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HYDRO ALUMINIUM LTD

REGULAR PROFILES

FLAT BARS



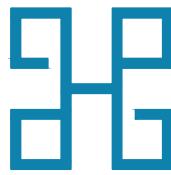
FLAT BARS

No.	NEW CODE	A	T	Kg/M
1	103-0312	14.00	3.00	0.12
2	103-0306	18.00	1.50	0.08
3	103-0305	18.00	3.00	0.16
4	103-0303	25.00	1.50	0.11
5	103-0304	25.00	2.00	0.15
6	103-0309	25.00	3.00	0.22
7	103-0301	30.00	1.50	0.13
8	103-0302	30.00	2.00	0.18
9	338-0821	30.00	3.00	0.26
10	103-0307	45.00	2.00	0.26
11	103-0308	45.00	3.00	0.39
12	103-0311	60.00	3.00	0.52

NEW!

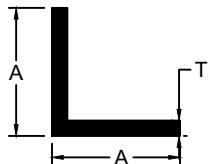
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2. The weight shared is for Mill finish
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REGULAR PROFILES

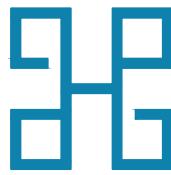
EQUAL ANGLE LINE



EQUAL ANGLES				
NO.	NEW CODE	A	T	Kg/M
1	107-0716	16.00	1.20	0.11
2	107-0702	16.00	1.50	0.14
3	107-0701	16.00	2.00	0.18
4	107-0717	18.00	1.50	0.15
5	107-0704	18.00	2.00	0.20
6	107-0721	18.00	2.50	0.24
7	107-0703	18.00	3.00	0.29
8	107-0723	19.00	0.90	0.10
9	107-0718	25.00	1.20	0.17
10	107-0706	25.00	1.50	0.21
11	107-0715	25.00	2.00	0.28
12	107-0705	25.00	3.00	0.41
13	107-0720	38.00	2.50	0.53
14	107-0711	38.00	3.00	0.63
15	107-0712	38.00	4.00	0.82
16	107-0719	45.00	1.50	0.38
17	107-0708	45.00	2.00	0.50
18	107-0707	45.00	3.00	0.75
19	107-0714	45.00	4.00	0.98
20	107-0709	50.00	1.20	0.34
21	107-0710	50.00	2.00	0.56
22	107-0713	50.00	3.00	0.83

NEW!

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REGULAR PROFILES

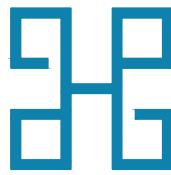
UNEQUAL ANGLE LINE



<u>UNEQUAL ANGLES</u>					
NO.	NEW CODE	A	B	T	Kg/M
1	106-0609	16.00	12.00	1.00	0.08
2	106-0601	16.00	12.00	1.20	0.10
3	106-0602	25.00	16.00	1.50	0.17
4	106-0603	30.00	20.00	2.00	0.28
5	106-0604	38.00	25.00	1.50	0.27
6	106-0605	38.00	25.00	2.00	0.35
7	106-0606	45.00	38.00	1.50	0.35
8	106-0610	50.00	25.00	3.00	0.62
9	106-0607	50.00	38.00	2.00	0.49
10	106-0608	50.00	40.00	3.00	0.75

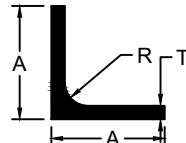
1. All dimensions are in mm
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REGULAR PROFILES

EQUAL ANGLE LINE WITH RADIUS



<u>EQUAL ANGLES ROUND FILLET</u>				
No.	NEW CODE	A	T	Kg/M
1	102-0201	16.00	1.20	0.12
2	102-0202	16.00	1.50	0.14
3	102-0203	18.00	1.50	0.16
4	102-0204	18.00	2.00	0.20
5	102-0205	25.00	1.20	0.18
6	102-0206	27.00	1.50	0.23
7	102-0207	45.00	1.50	0.39
8	102-0208	45.00	2.00	0.51
9	102-0209	50.00	1.20	0.35
10	102-0210	50.00	2.00	0.57

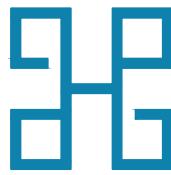
UNEQUAL ANGLE LINE WITH RADIUS



<u>UNEQUAL ANGLES</u>					
NO.	NEW CODE	A	B	T	Kg/M
1	101-1101	60.00	40.00	2.00	0.57
2	101-1102	75.00	45.00	2.00	0.68
3	101-1103	75.00	45.00	3.00	1.01

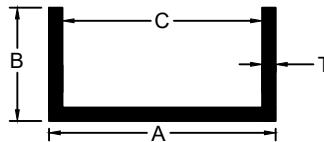
1. All dimensions are in mm
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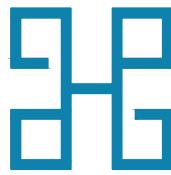
REGULAR PROFILES

C- CHANNELS

UPDATED!**C/U CHANNELS**

No.	NEW CODE	A	B	C	T	Kg/M
1	104-0418	14.40	25.00	12.00	1.20	0.22
2	104-0402	16.00	16.00	13.60	1.20	0.16
3	104-0401	16.00	16.00	12.60	1.70	0.22
4	104-0410	16.00	25.00	12.00	2.00	0.36
5	104-0413	16.00	40.00	12.00	2.00	0.53
6	104-0412	16.00	100.00	12.00	2.00	1.21
7	104-0403	18.00	18.00	15.60	1.20	0.18
8	104-0409	21.00	18.00	18.60	1.20	0.19
9	104-0417	19.00	8.00	16.00	1.50	0.14
10	104-0416	20.00	100.00	16.00	2.00	1.23
11	104-0411	23.00	30.00	19.00	2.00	0.45
12	104-0404	25.00	25.00	22.60	1.20	0.25
13	104-0405	25.00	25.00	21.00	2.00	0.41
14	104-0407	28.00	25.00	25.60	1.20	0.26
15	104-0406	38.00	38.00	34.00	2.00	0.63
16	104-0408	43.00	25.00	40.60	1.20	0.31
17	104-0414	79.00	42.00	75.00	2.00	0.91
18	104-0415	104.00	42.00	100.00	2.00	1.05

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HYDRO ALUMINIUM LTD

REGULAR PROFILES

ROUND BARS

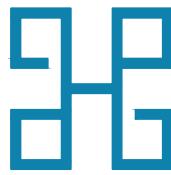


SOLID SECTIONS

NO.	NEW CODE	DIAMETER	Kg/M
1	113-2010	4.00	0.04
2	113-2011	6.00	0.08
3	113-2012	8.00	0.15
4	113-2013	10.00	0.23
5	113-2014	12.00	0.33
6	113-2016	15.50	0.54
7	113-2015	16.00	0.58
8	113-2017	19.00	0.81
9	113-2018	25.00	1.40

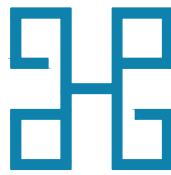
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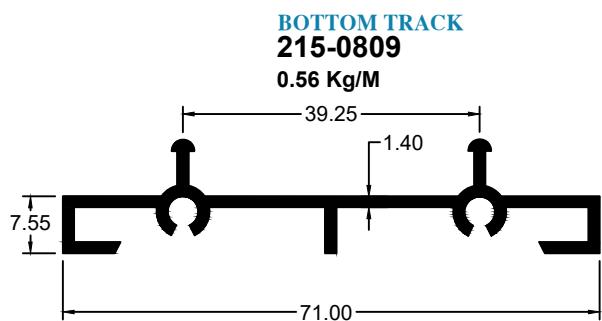
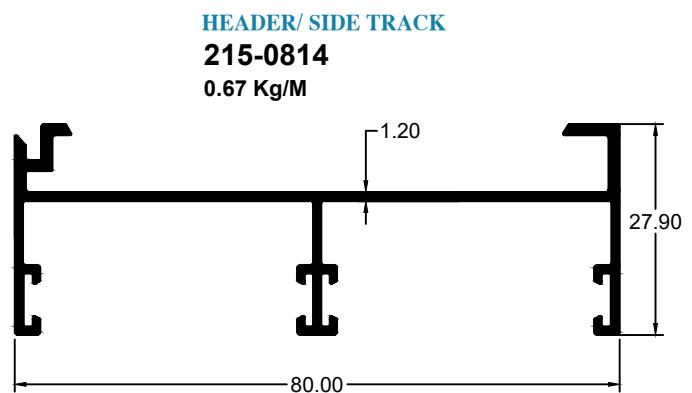
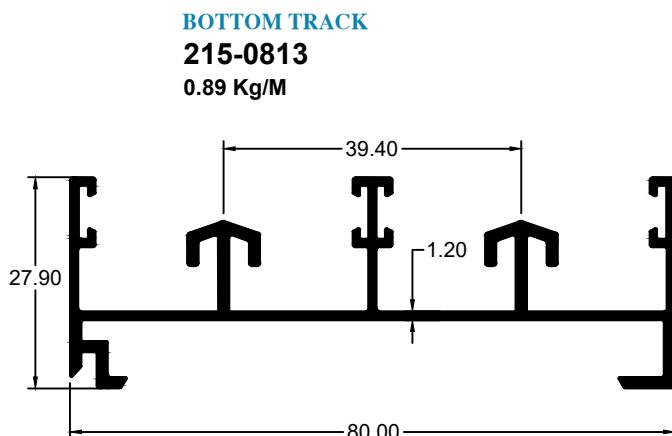
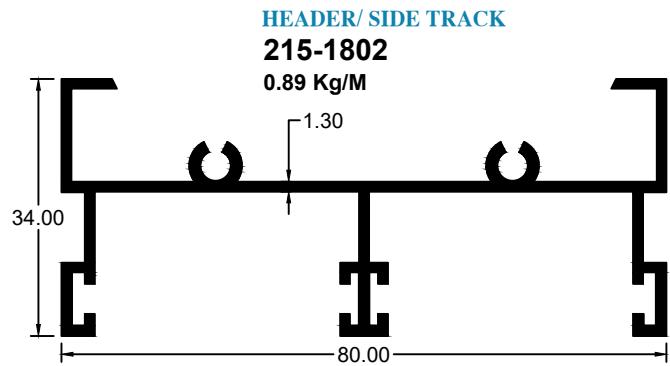
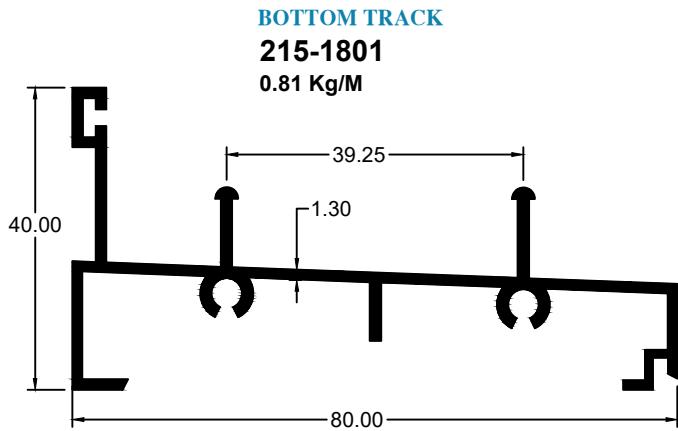


HYDRO ALUMINIUM LTD

SLIDING WINDOWS AND DOORS

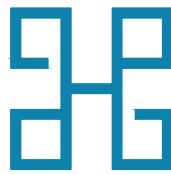


SLIDING 80 SERIES



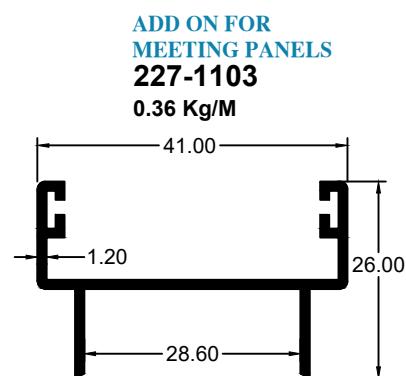
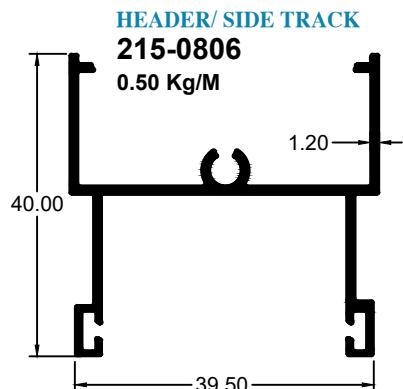
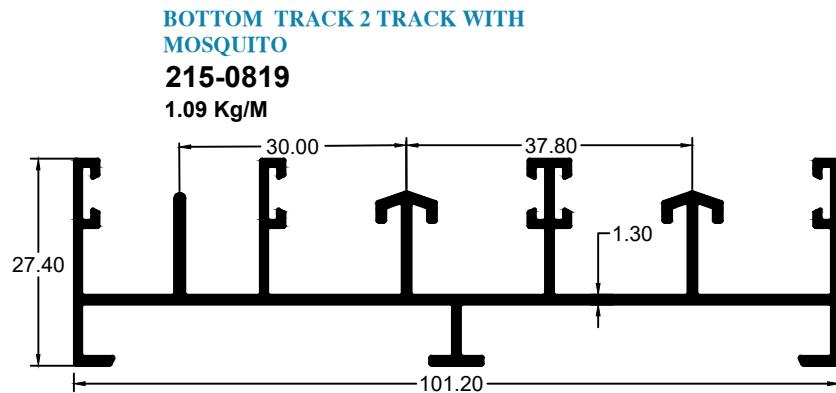
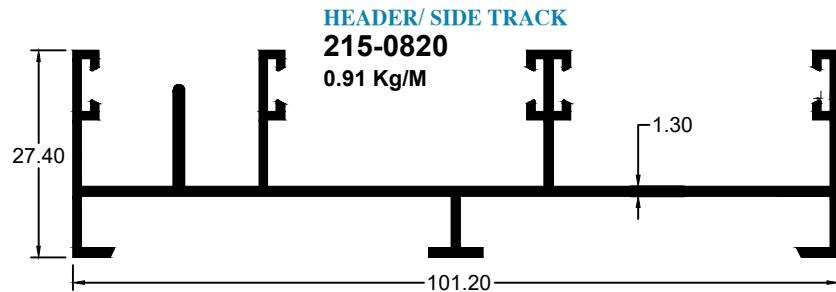
1. All dimensions are in mm
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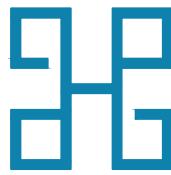
HYDRO ALUMINIUM LTD

SLIDING 80 SERIES

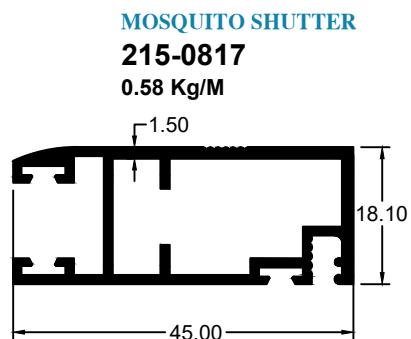
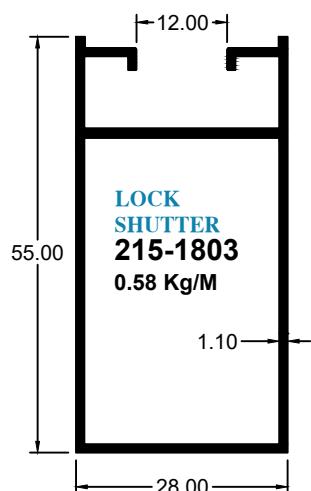
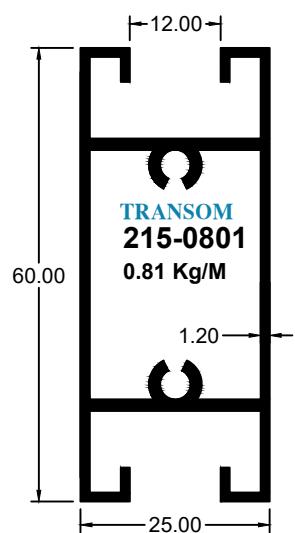
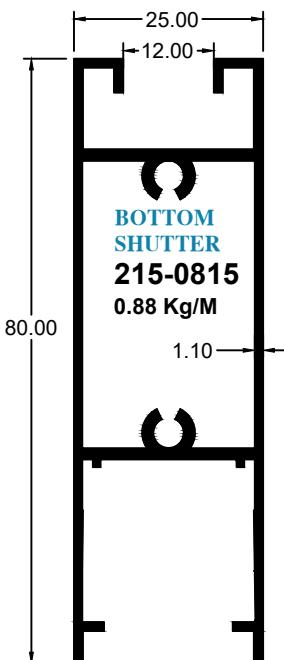
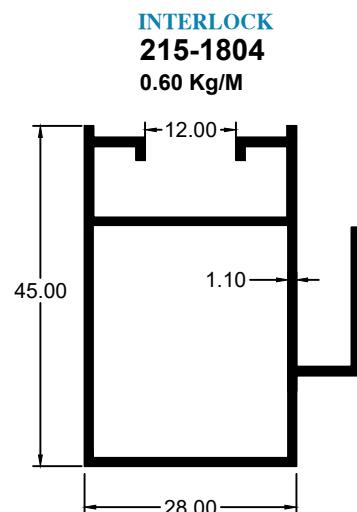
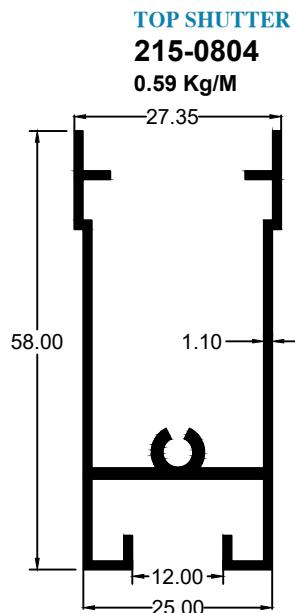


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

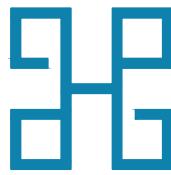


SLIDING 80 SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

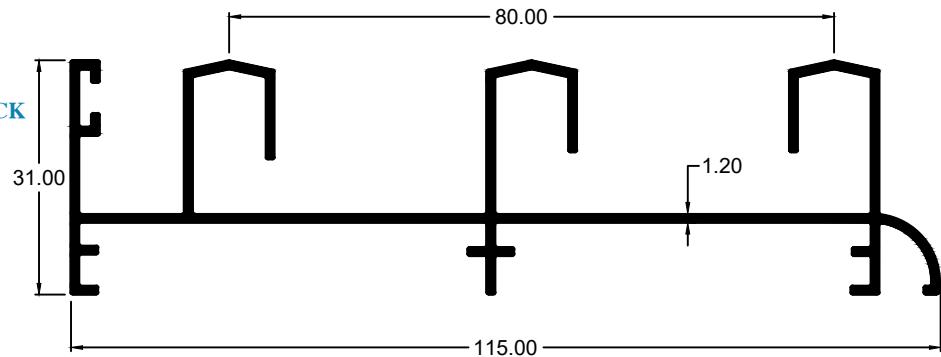


HYDRO ALUMINIUM LTD

SLIDING EURO SERIES **UPDATED!**

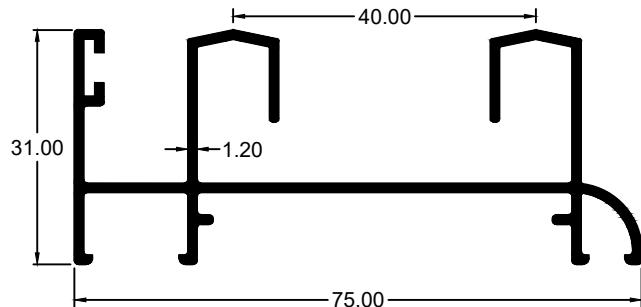
ALL ROUND OUTER FRAME THREE TRACK

258-6002
1.08 Kg/M



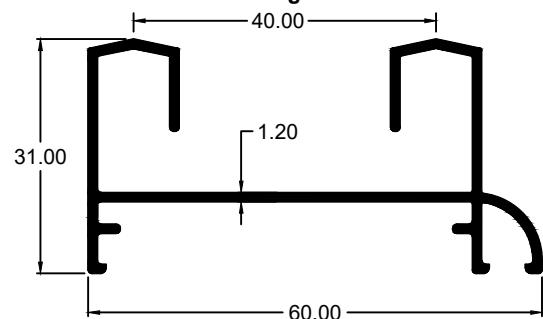
ALL ROUND OUTER FRAME TWO TRACK WITH WOOL PILE

258-6011
0.78 Kg/M



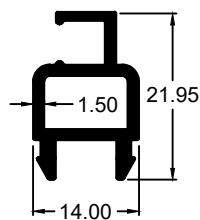
ALL ROUND OUTER FRAME TWO TRACK PLAIN

258-6012
0.60 Kg/M



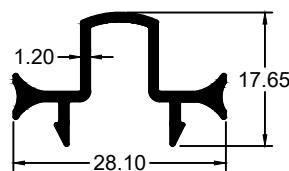
MOSQUITO NET CLIP ON

258-6008
0.29 Kg/M



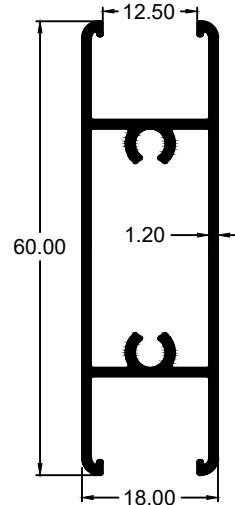
ADD ON FOR MEETING PANELS

258-6010
0.25 Kg/M



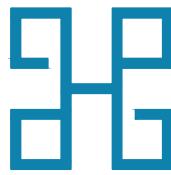
TRANSOM

258-6007
0.61 Kg/M

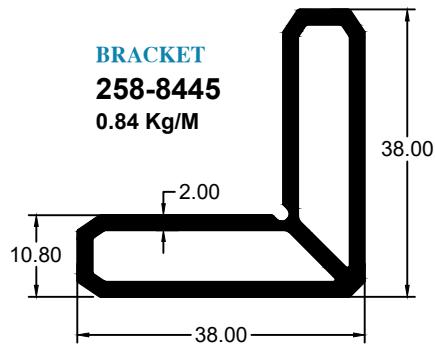
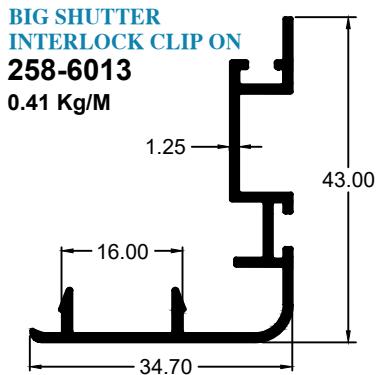
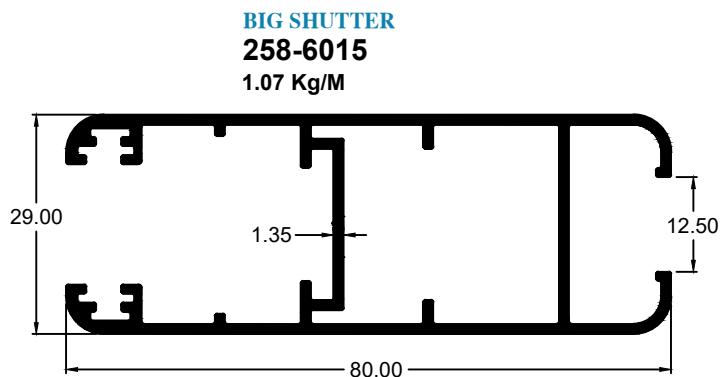
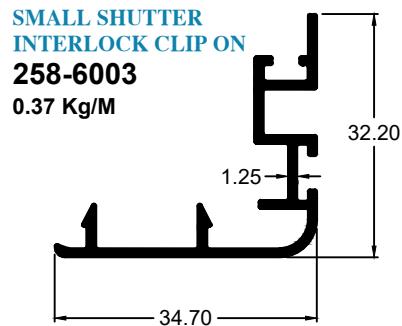
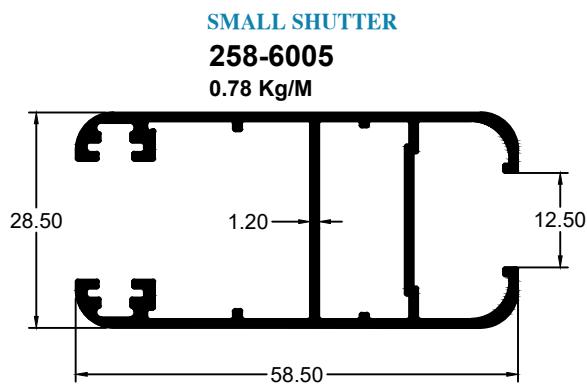


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

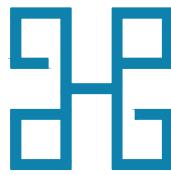


SLIDING EURO SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



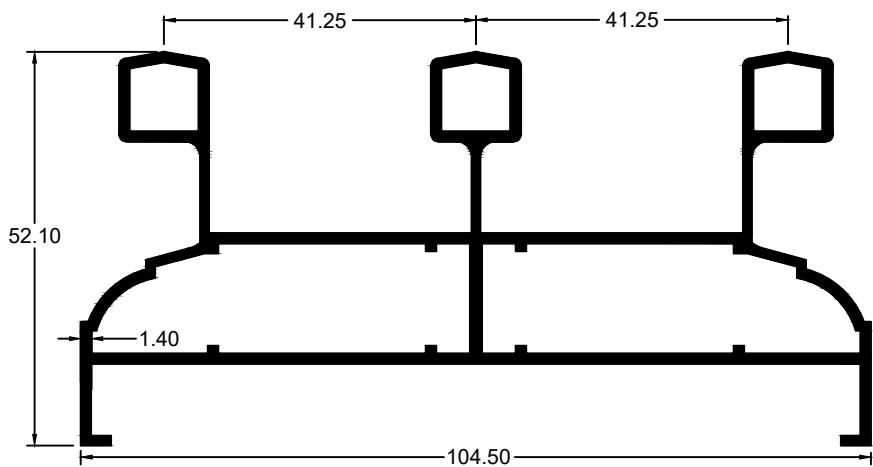
HYDRO ALUMINIUM LTD

SLIDING 65 SERIES

ALL ROUND OUTER FRAME THREE TRACK

215-0656

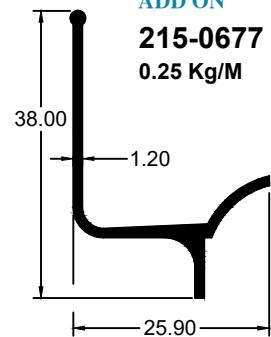
1.71 Kg/M



MOSQUITO TRACK ADD ON

215-0677

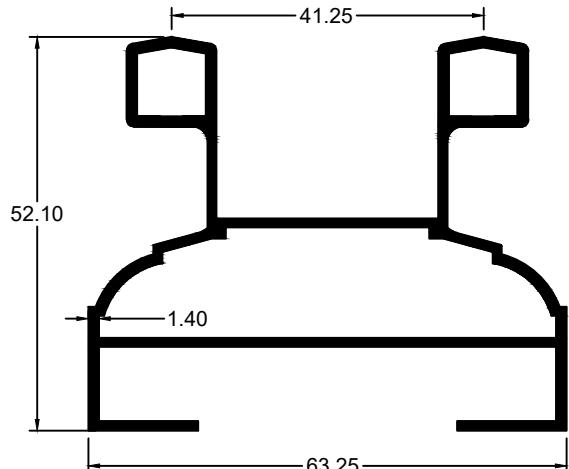
0.25 Kg/M



ALL ROUND OUTER FRAME TWO TRACK

215-0621

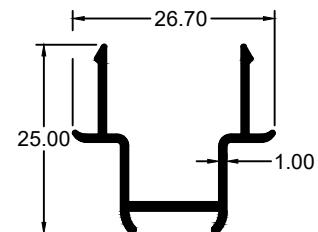
1.11 Kg/M



ADD ON FOR MEETING PANELS

215-0678

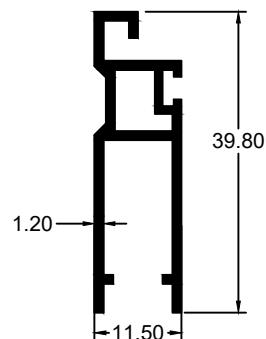
0.22 Kg/M



MOSQUITO SHUTTER

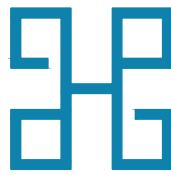
215-0679

0.36 Kg/M



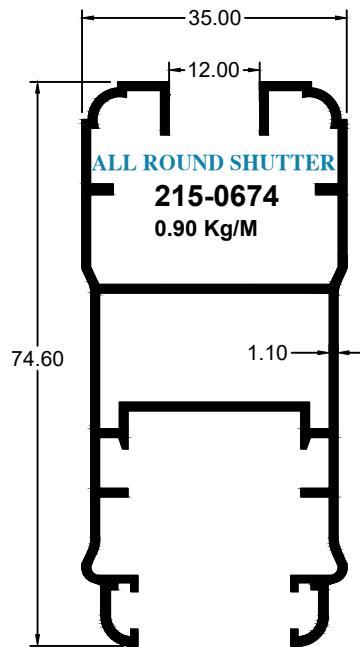
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

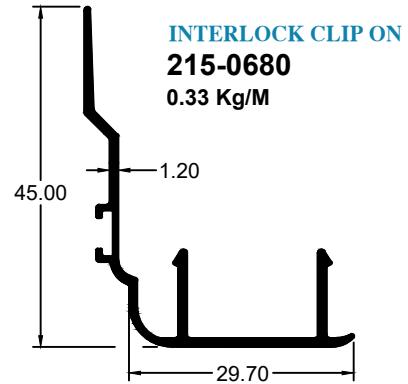


HYDRO ALUMINIUM LTD

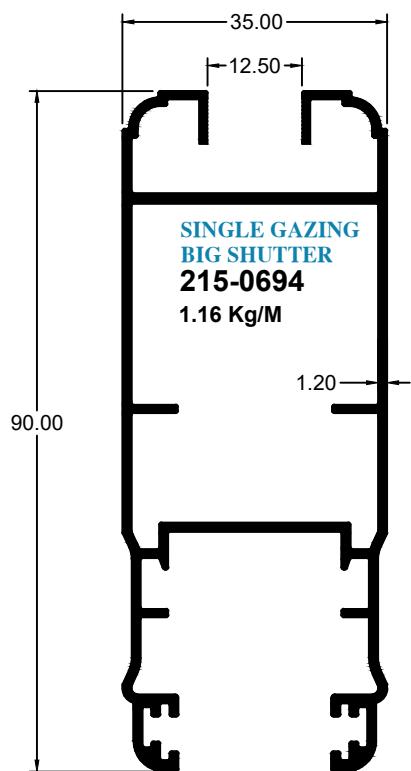
SLIDING 65 SERIES



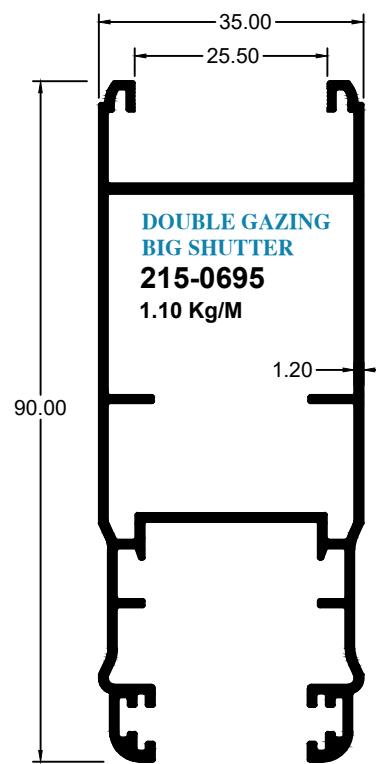
ALL ROUND SHUTTER
215-0674
0.90 Kg/M



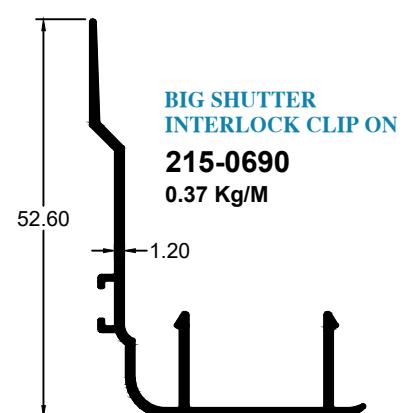
INTERLOCK CLIP ON
215-0680
0.33 Kg/M



SINGLE GAZING
BIG SHUTTER
215-0694
1.16 Kg/M



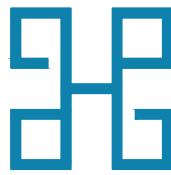
DOUBLE GAZING
BIG SHUTTER
215-0695
1.10 Kg/M



BIG SHUTTER
INTERLOCK CLIP ON
215-0690
0.37 Kg/M

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



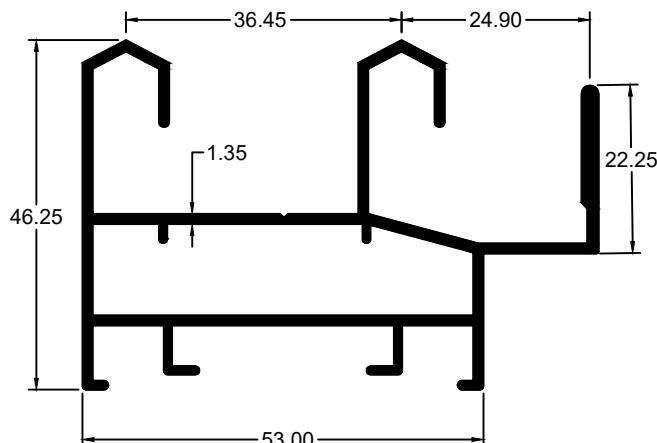
HYDRO ALUMINIUM LTD

SLIDING 84 SERIES

ALL ROUND OUTER
FRAME TWO TRACK

258-8401

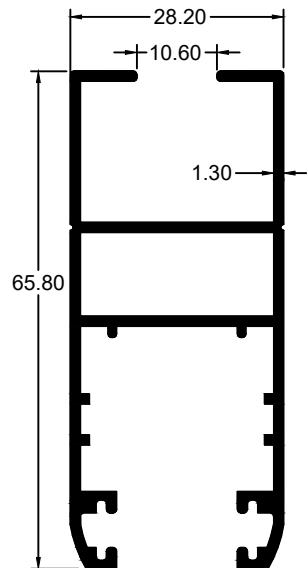
1.12 Kg/M



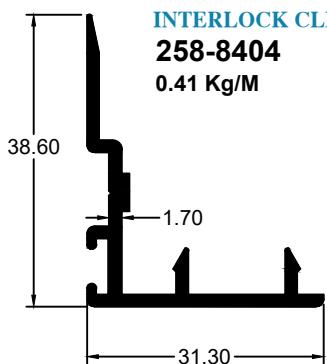
ALL ROUND SHUTTER

258-8412

0.86 Kg/M

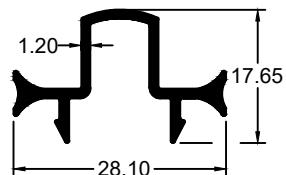


INTERLOCK CLIP ON
258-8404
0.41 Kg/M



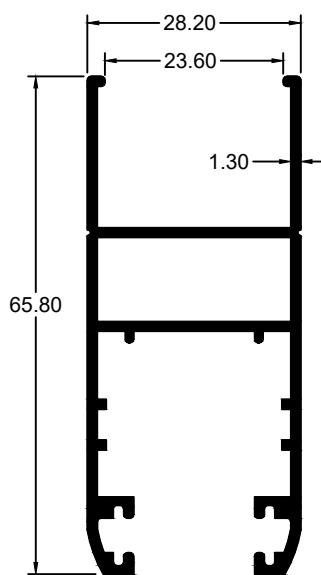
ADD ON FOR MEETING
PANELS

258-6010
0.25 Kg/M

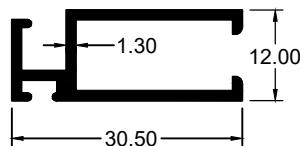


ALL ROUND SHUTTER
DOUBLE GLAZING

258-8402
0.81 Kg/M

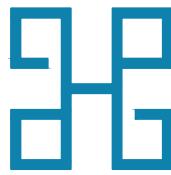


MOSQUITO SHUTTER
258-8403
0.30 Kg/M



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

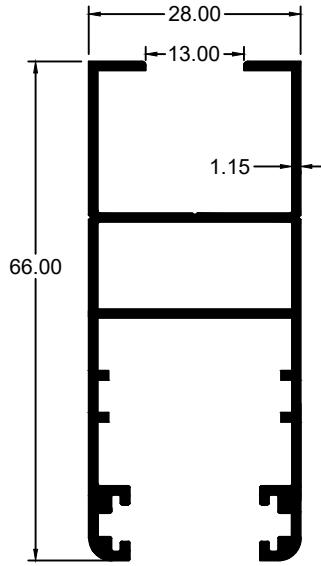
Disclaimer; The right to make alterations is reserved to HAL.



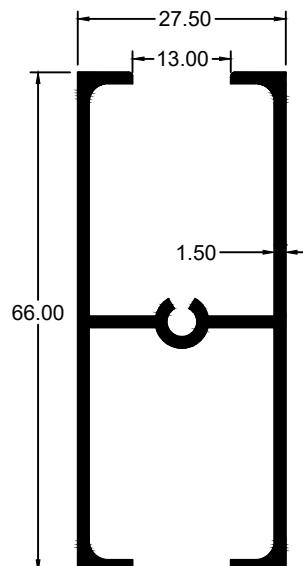
HYDRO ALUMINIUM LTD

SLIDING 84 SERIES

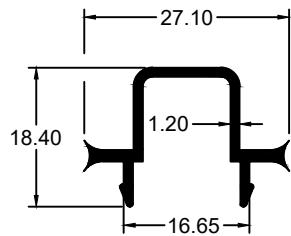
ALL ROUND SHUTTER
345-0115
0.77 Kg/M



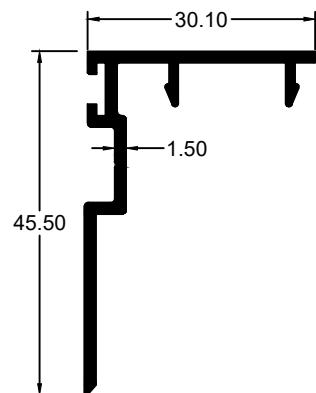
TRANSOM
345-0125
0.81 Kg/M



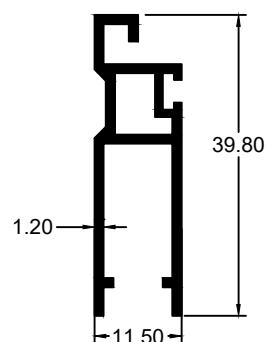
**ADD ON FOR
MEETING PANELS**
345-0130
0.22 Kg/M



INTERLOCK CLIP ON
345-0120
0.40 Kg/M

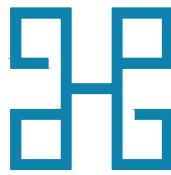


MOSQUITO SHUTTER
215-0679
0.36 Kg/M



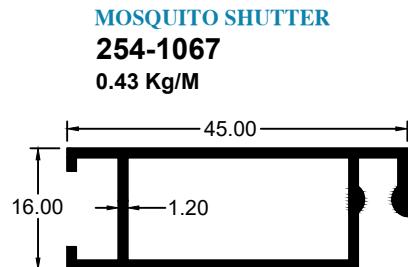
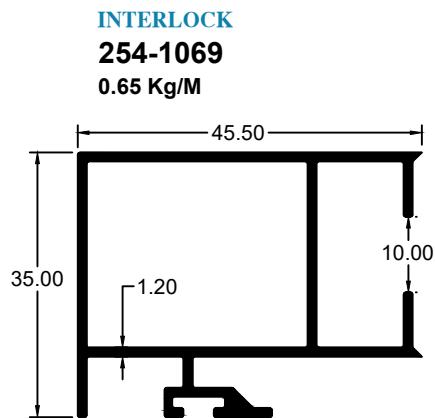
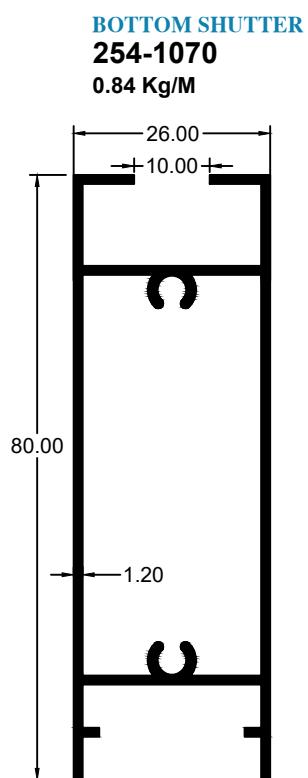
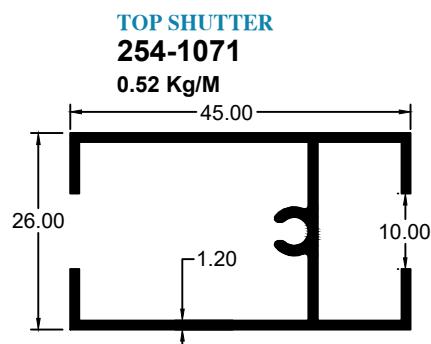
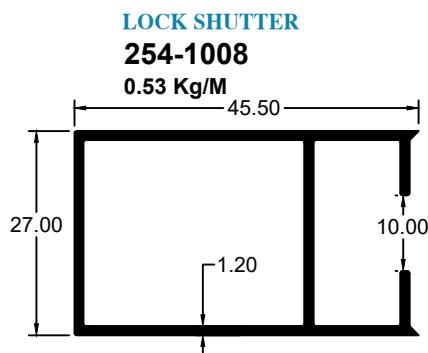
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

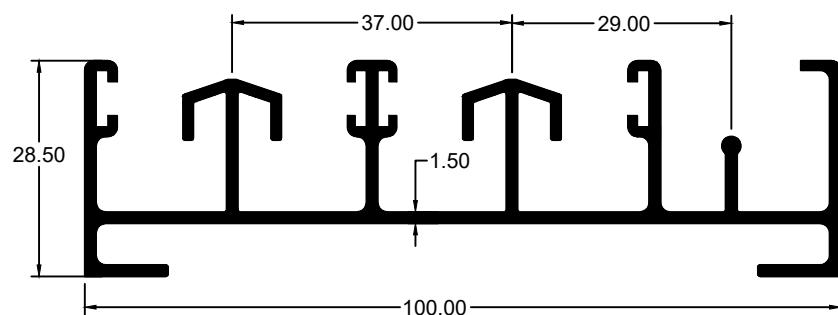


HYDRO ALUMINIUM LTD

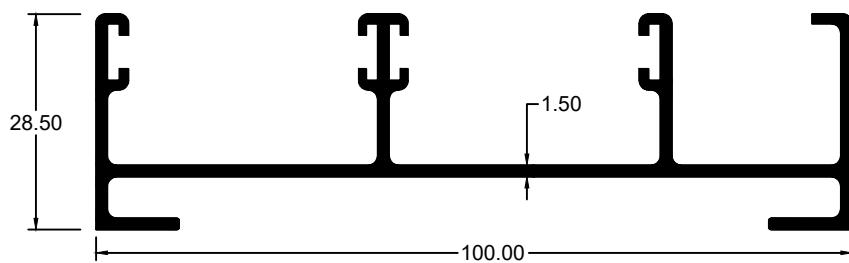
SLIDING 100 SERIES



BOTTOM TWO TRACK WITH MOSQUITO TRACK
254-1103
1.40 Kg/M

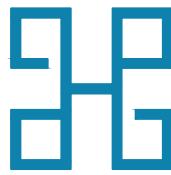


HEADER/ SIDE TRACK
254-1104
1.04 Kg/M



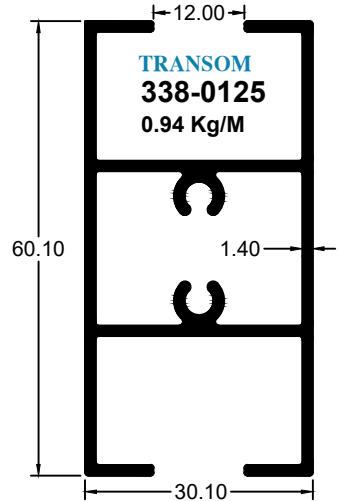
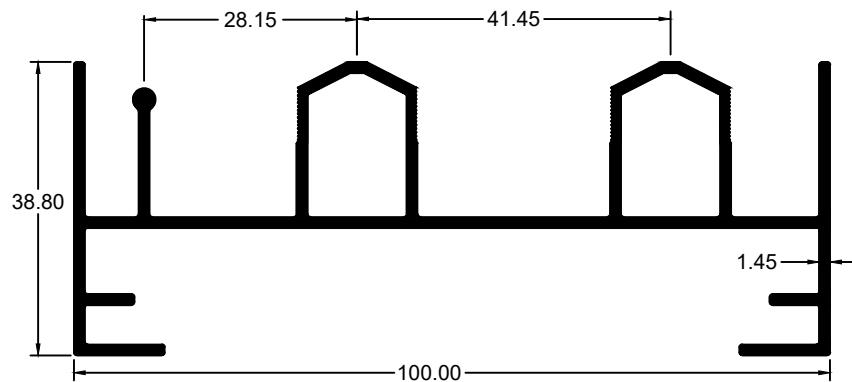
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

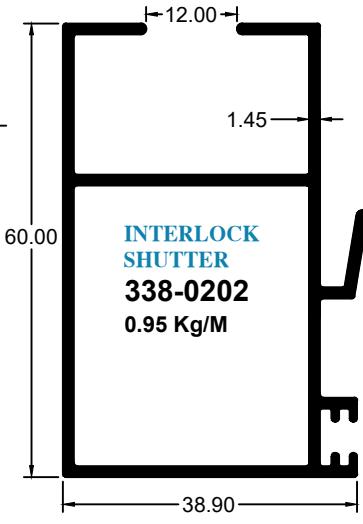
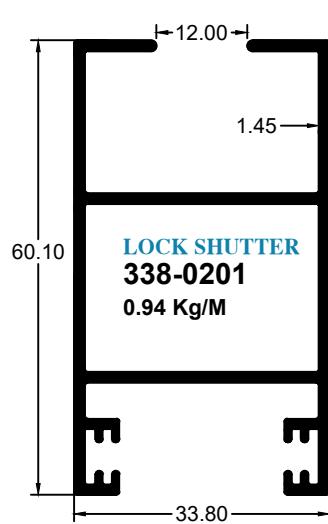
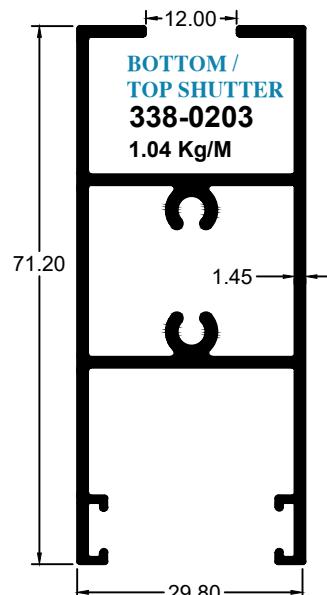
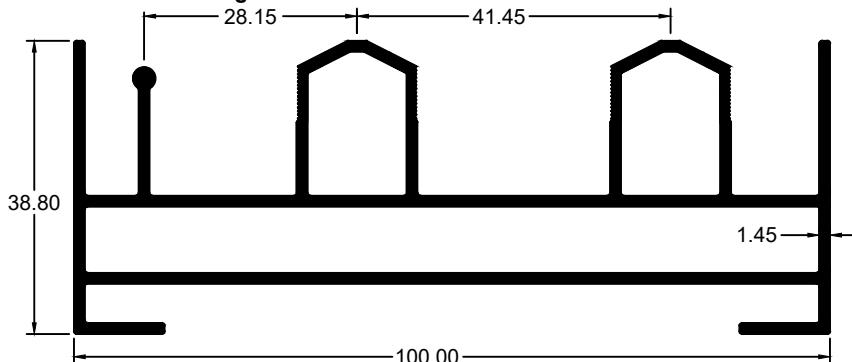


SLIDING RWD 100 SERIES

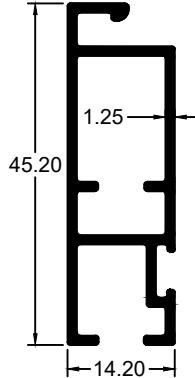
OUTER FRAME (100mm)
338-0611
1.33 Kg/M



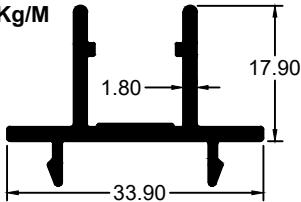
OUTER FRAME (100mm)
338-0613
1.67 Kg/M



MOSQUITO SHUTTER
338-0288
0.47 Kg/M

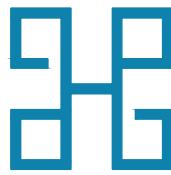


ADD ON FOR MEETING PANELS
338-0172
0.42 Kg/M



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



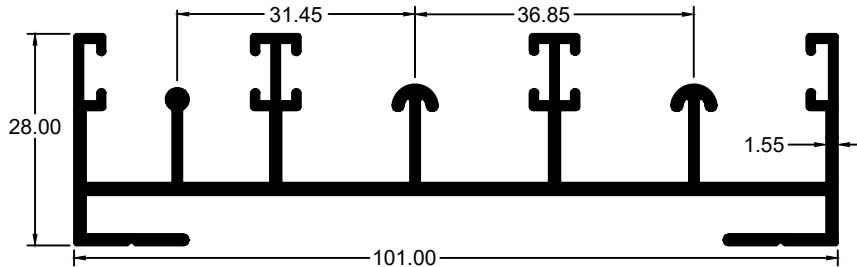
HYDRO ALUMINIUM LTD

SLIDING RWD 100 SERIES

BOTTOM TRACK TWO TRACK WITH MOSQUITO

338-0426

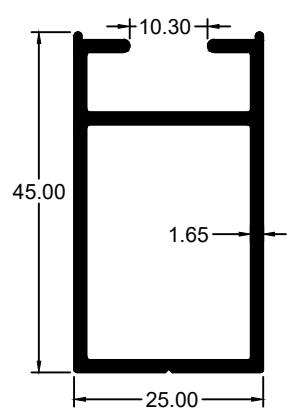
1.33 Kg/M



LOCK SHUTTER

338-0423

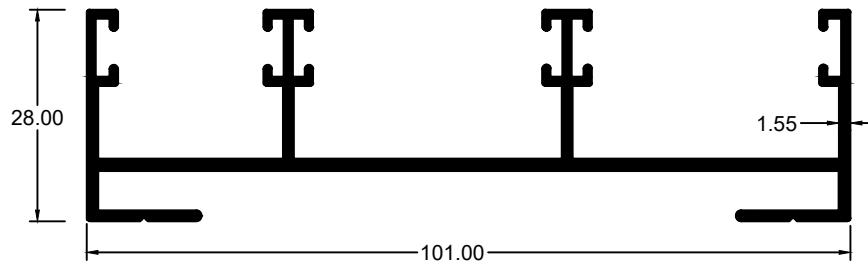
0.68 Kg/M



SIDE/TOP TRACK WITH MOSQUITO TRACK

338-0430

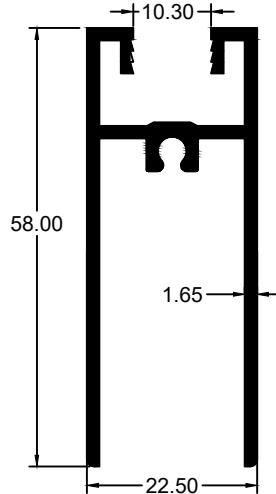
1.12 Kg/M



BOTTOM / TOP SHUTTER

338-0441

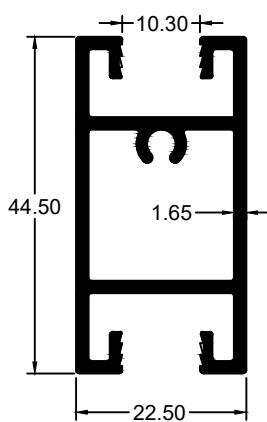
0.77 Kg/M



TRANSOM

338-0424

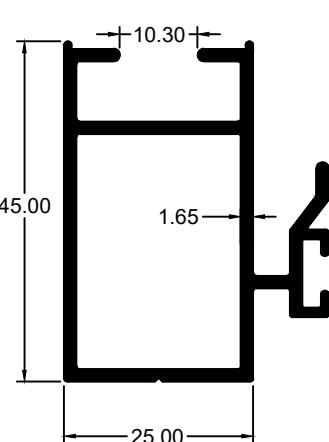
0.78 Kg/M



INTERLOCK SHUTTER

338-0428

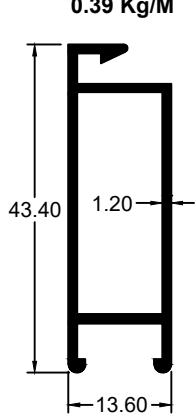
0.84 Kg/M



MOSQUITO SHUTTER

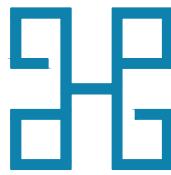
338-0429

0.39 Kg/M



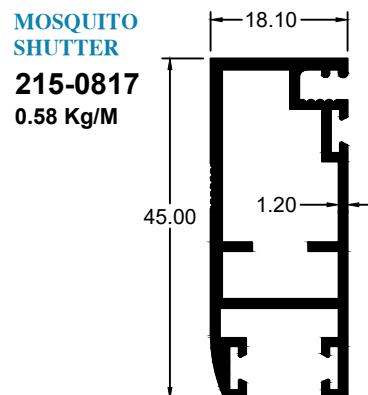
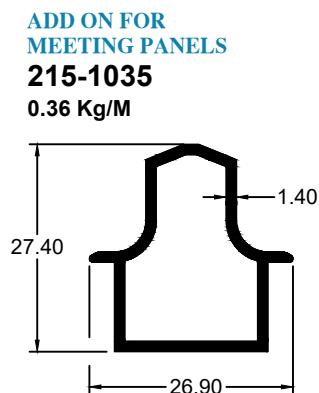
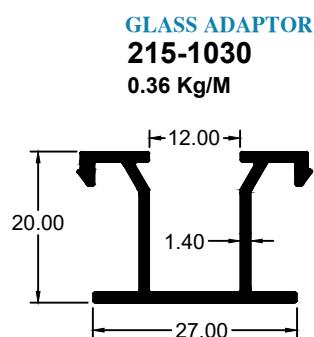
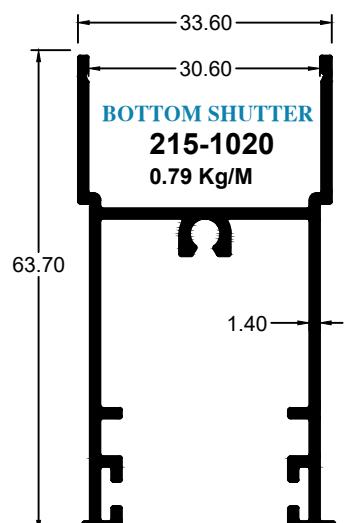
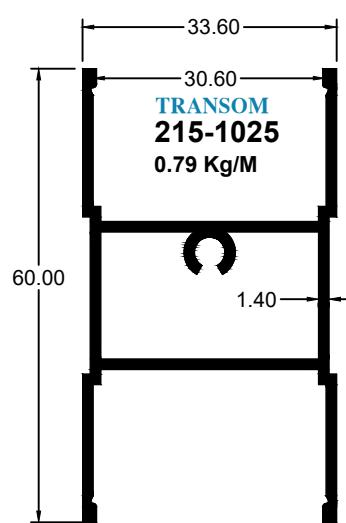
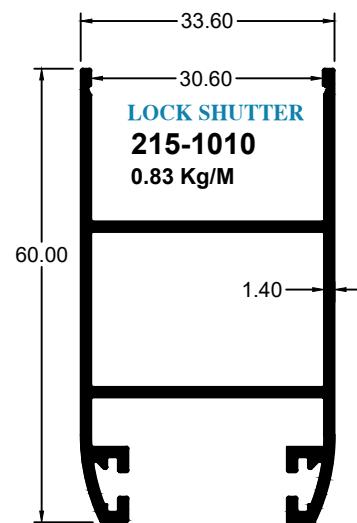
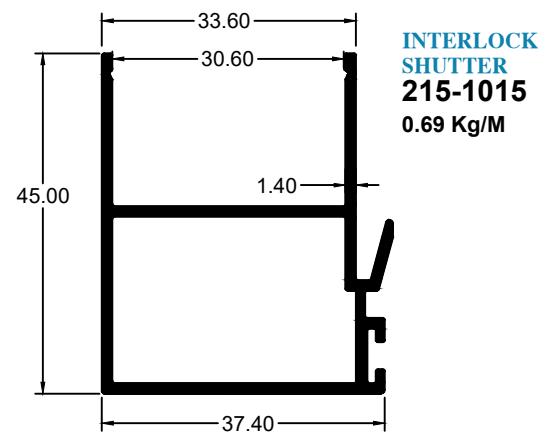
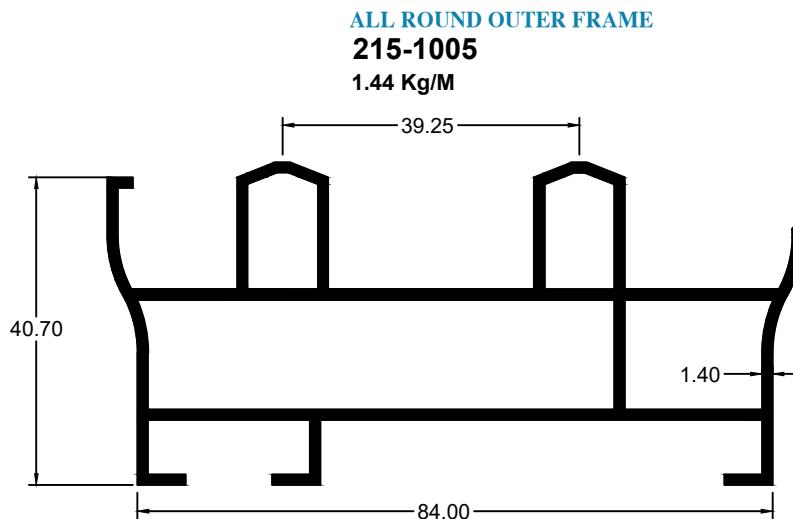
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



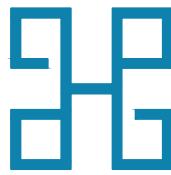
HYDRO ALUMINIUM LTD

SLIDING DELUXE SERIES

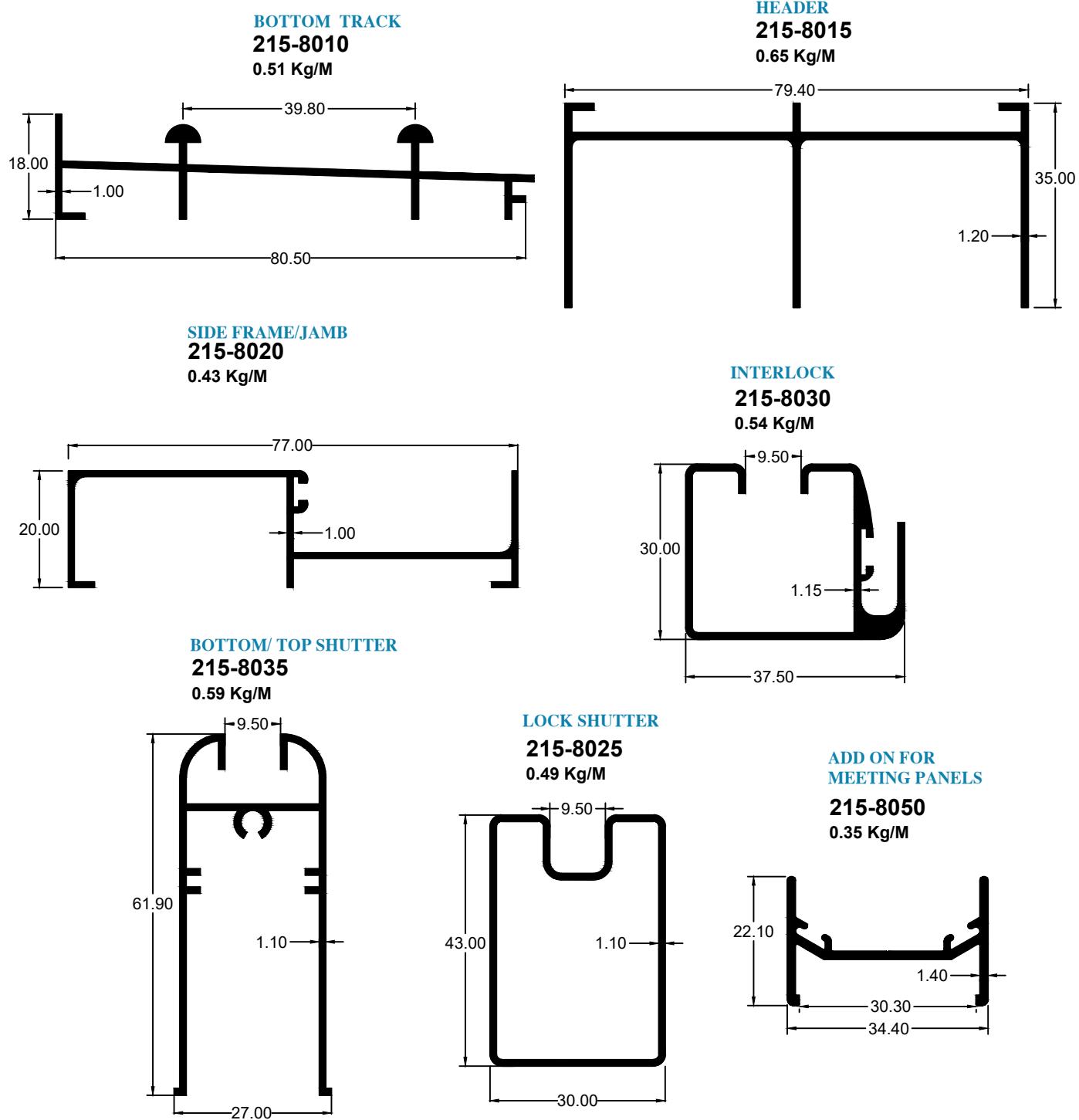


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

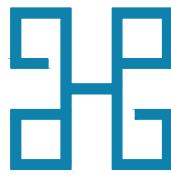


SLIDING 75 ECONOMY SERIES

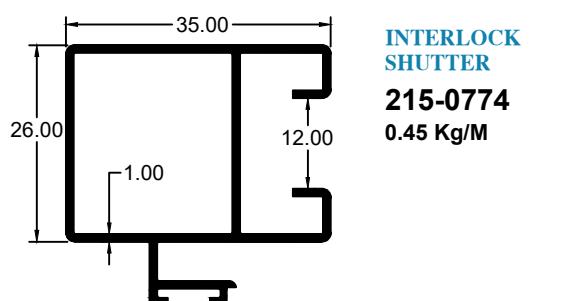
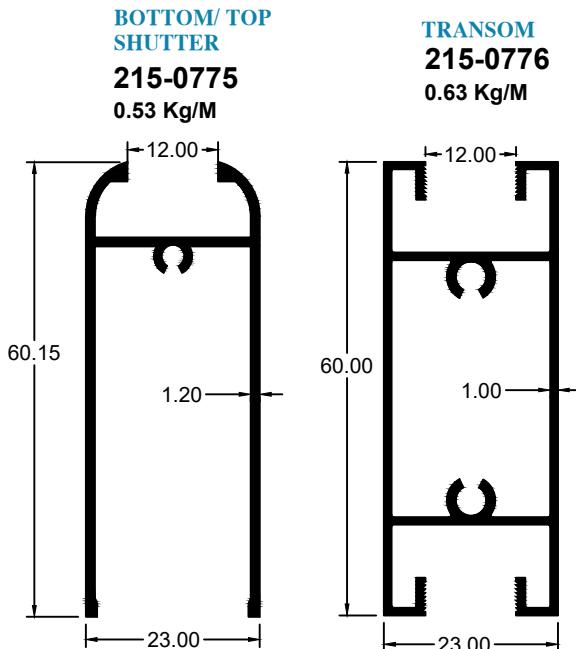
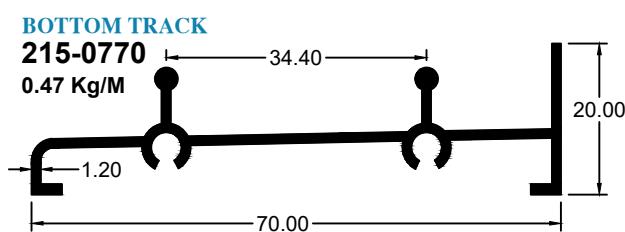
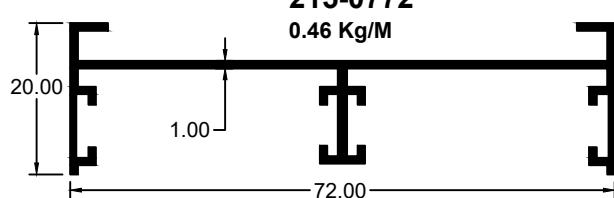
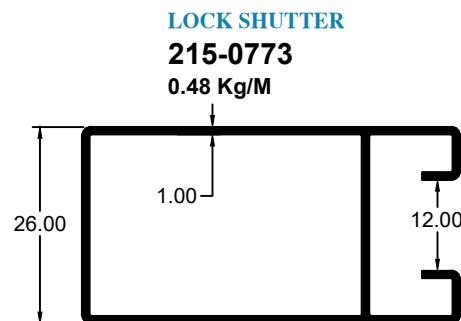
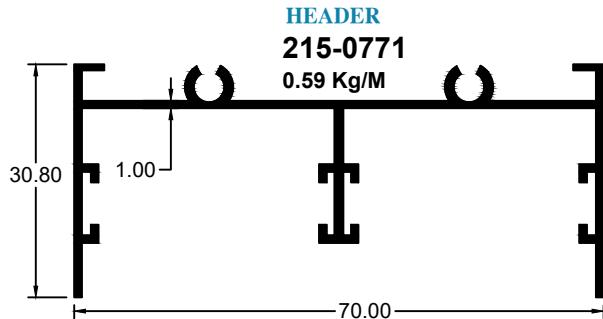
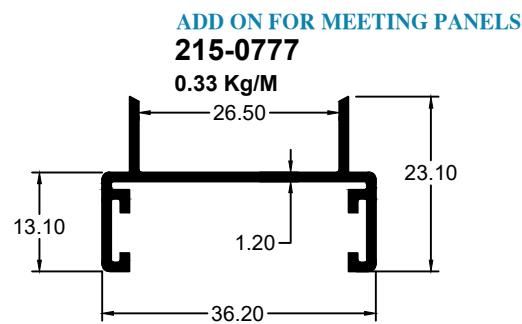
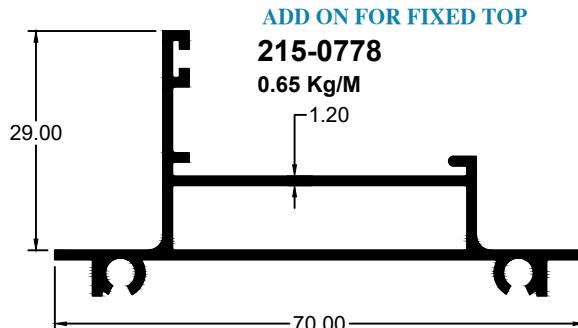


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

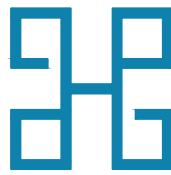


SLIDING 70 SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

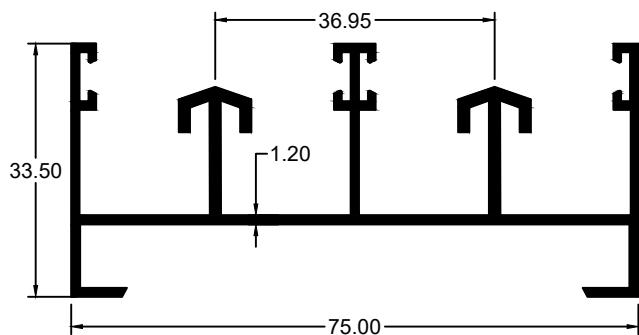


SLIDING NYL 75 SERIES

BOTTOM TRACK

343-0396

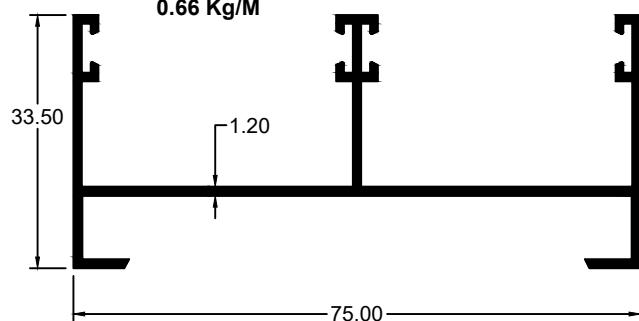
0.93 Kg/M



HEADER/ SIDE TRACK

343-0397

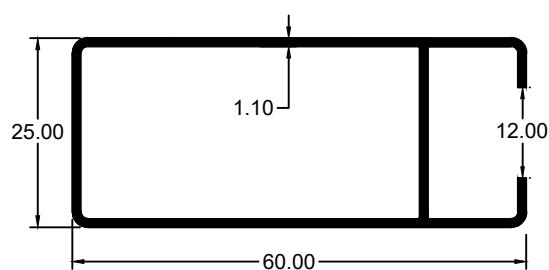
0.66 Kg/M



LOCK SHUTTER

343-0350

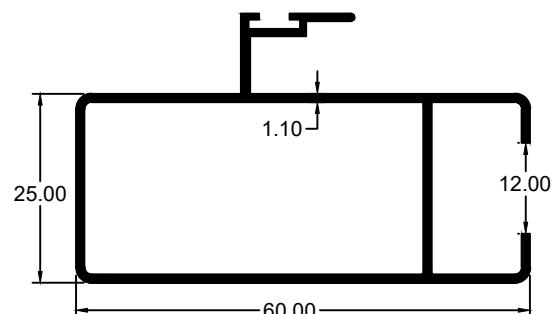
0.55 Kg/M



INTERLOCK

343-0355

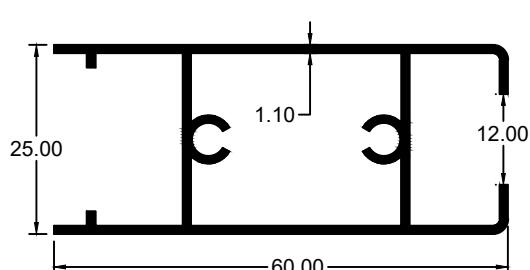
0.63 Kg/M



BOTTOM SHUTTER

343-0360

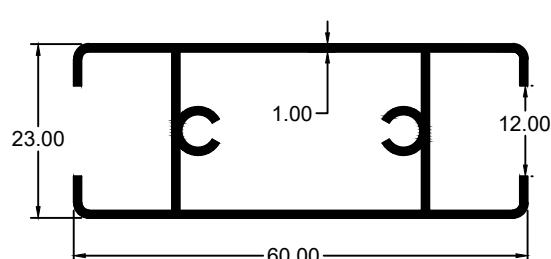
0.63 Kg/M



TRANSOM

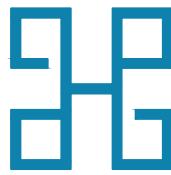
343-0411

0.58 Kg/M

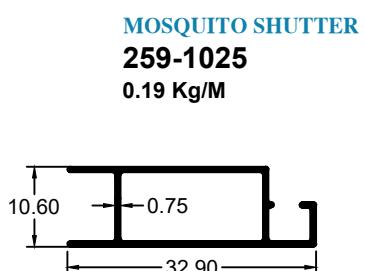
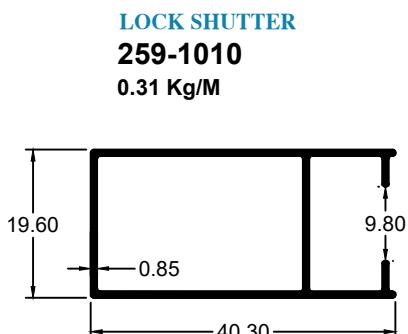
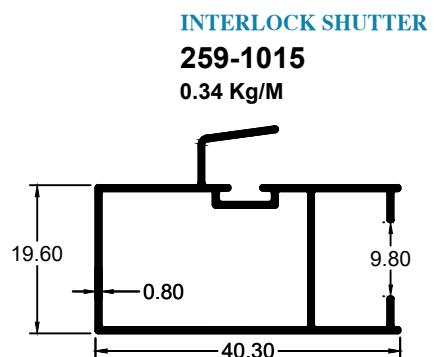
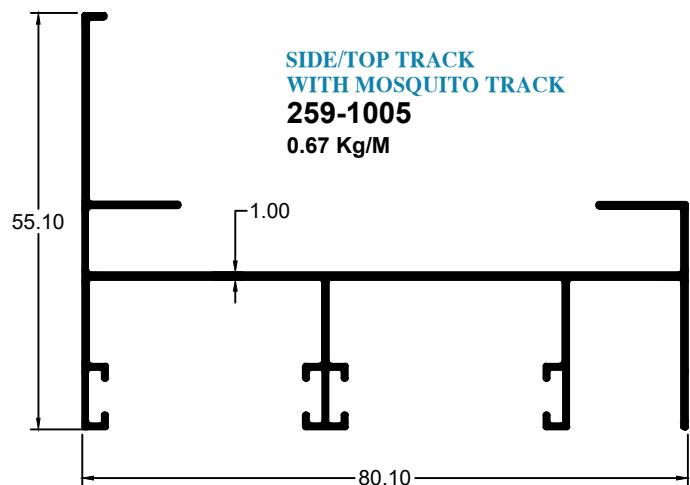
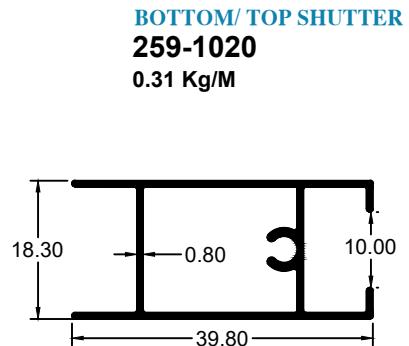
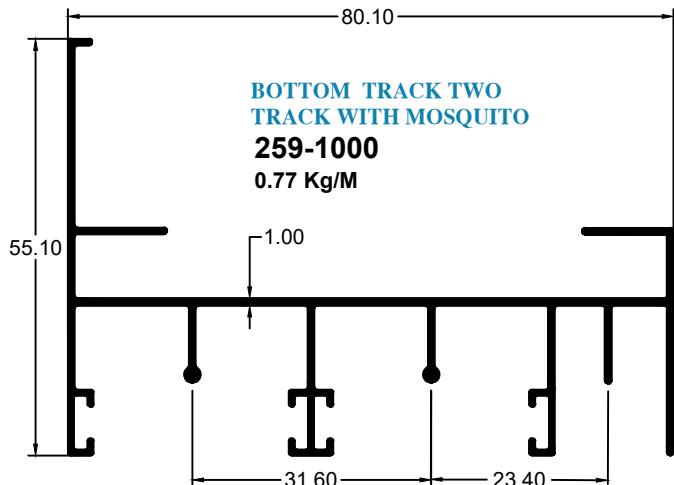


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

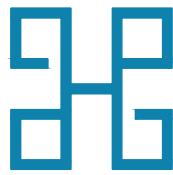


SLIDING HYD SERIES



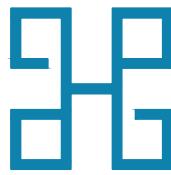
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



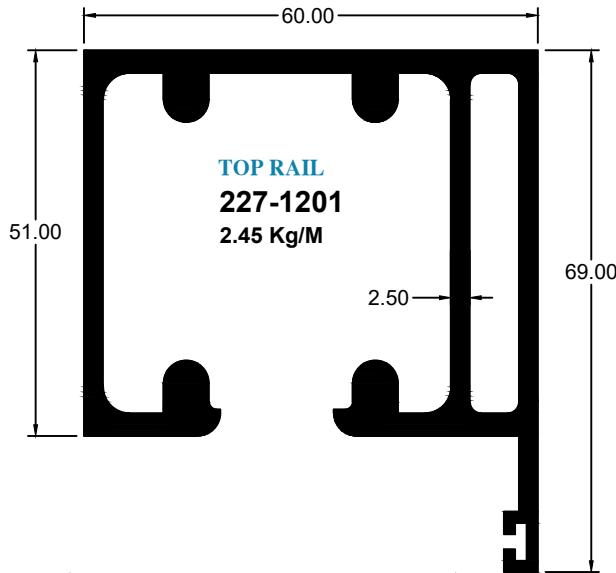
HYDRO ALUMINIUM LTD

BY-FOLDING LAPPED DOORS

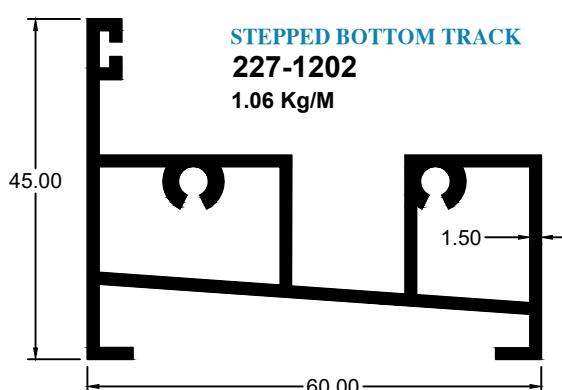
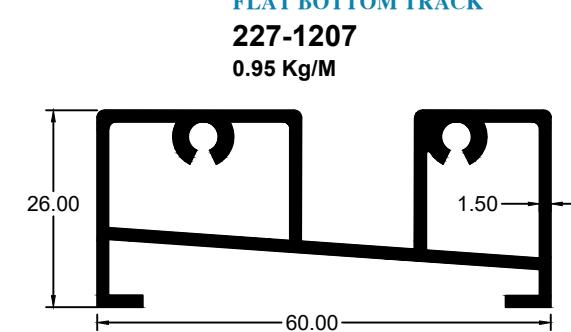
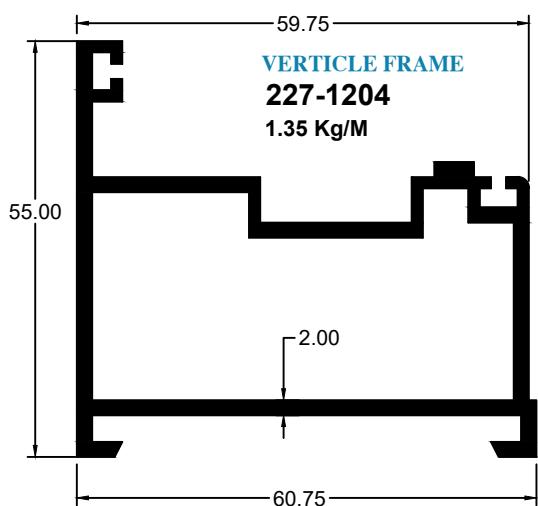
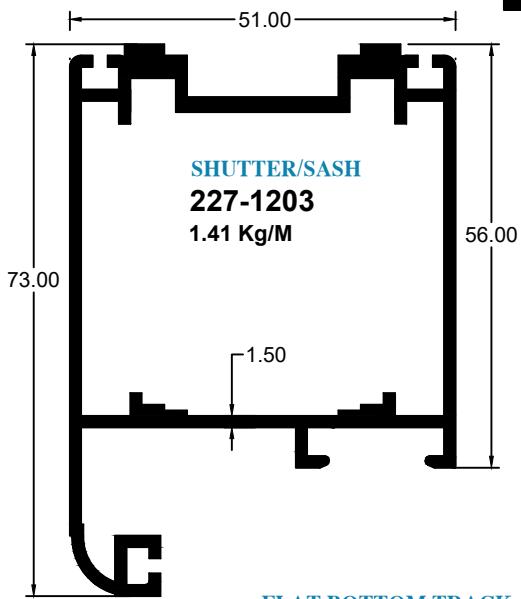


HYDRO ALUMINIUM LTD

SLIDING FOLDING AND LAPPED DOOR SERIES

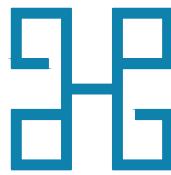


CORNER PROFILE
227-1108
1.02 Kg/M



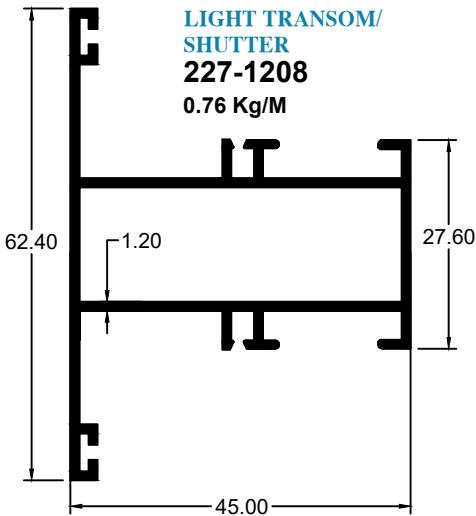
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

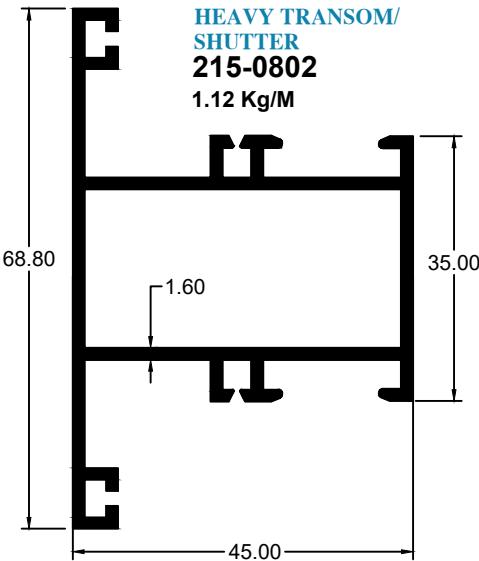


HYDRO ALUMINIUM LTD

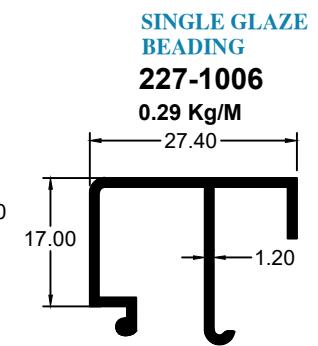
SLIDING FOLDING AND LAPPED DOOR SERIES



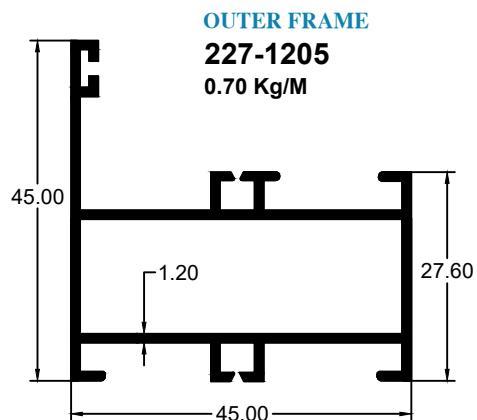
**LIGHT TRANSOM/
SHUTTER**
227-1208
0.76 Kg/M



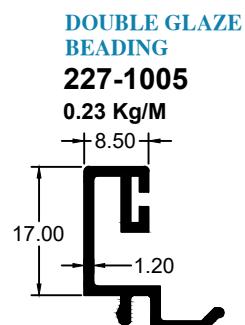
**HEAVY TRANSOM/
SHUTTER**
215-0802
1.12 Kg/M



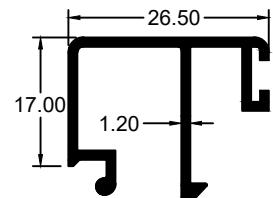
**SINGLE GLAZE
BEADING**
227-1006
0.29 Kg/M



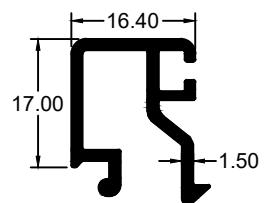
OUTER FRAME
227-1205
0.70 Kg/M



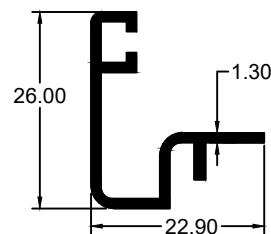
**DOUBLE GLAZE
BEADING**
227-1005
0.23 Kg/M



**DOUBLE GLAZE
BEADING**
227-1004
0.31 Kg/M

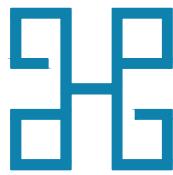


SASH ADD ON
227-1107
0.27 Kg/M



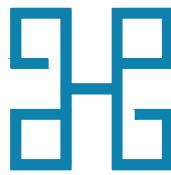
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



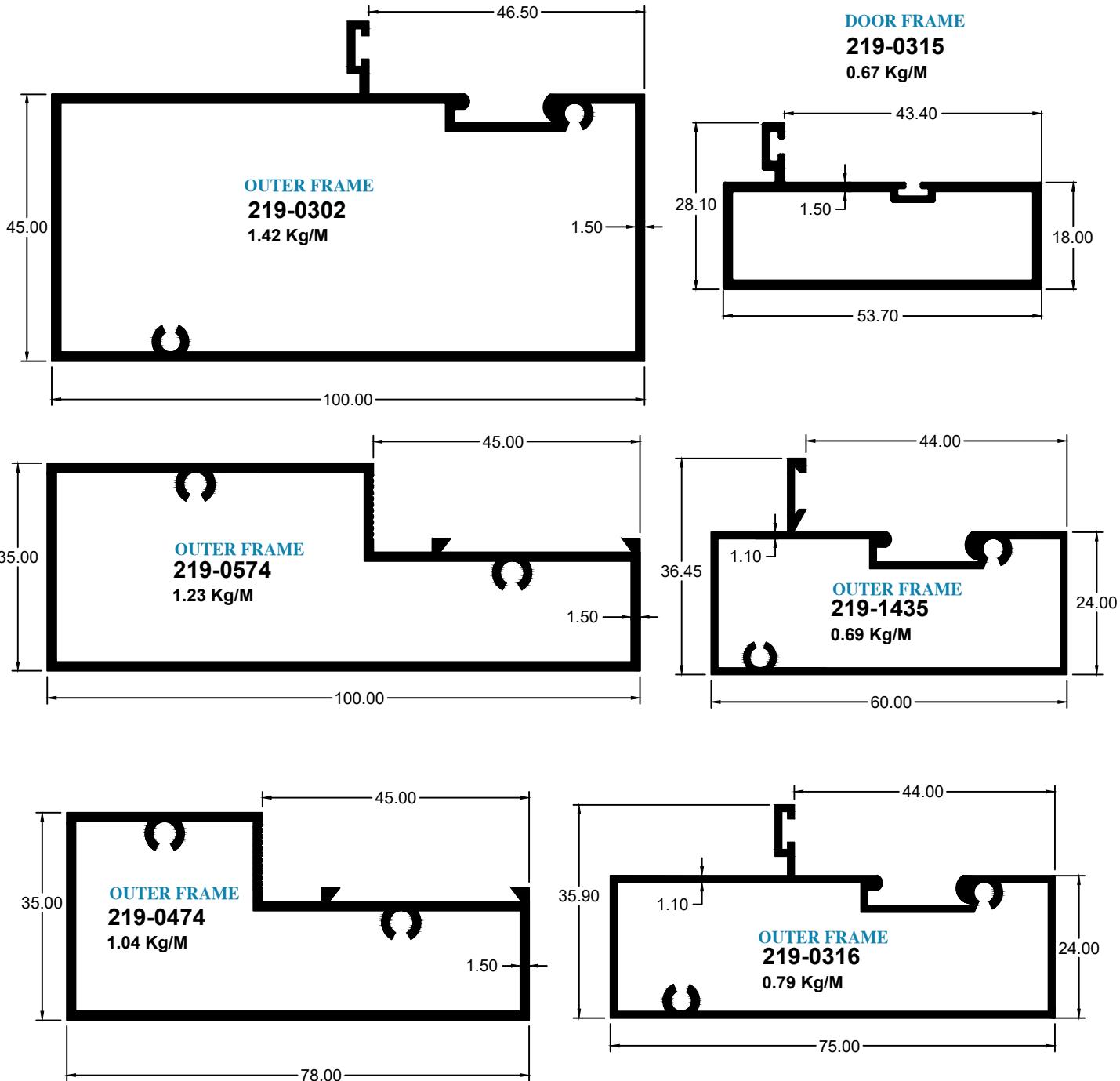
HYDRO ALUMINIUM LTD

HUNG DOORS



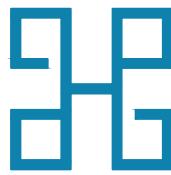
HYDRO ALUMINIUM LTD

DOOR FRAMES



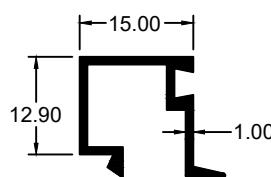
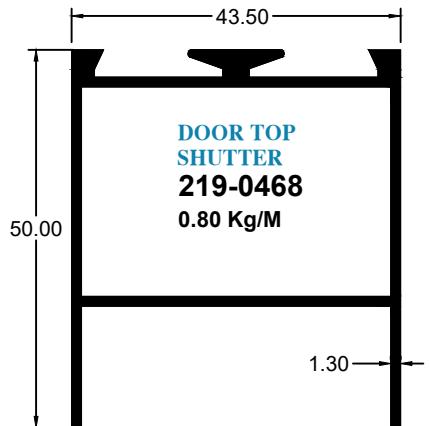
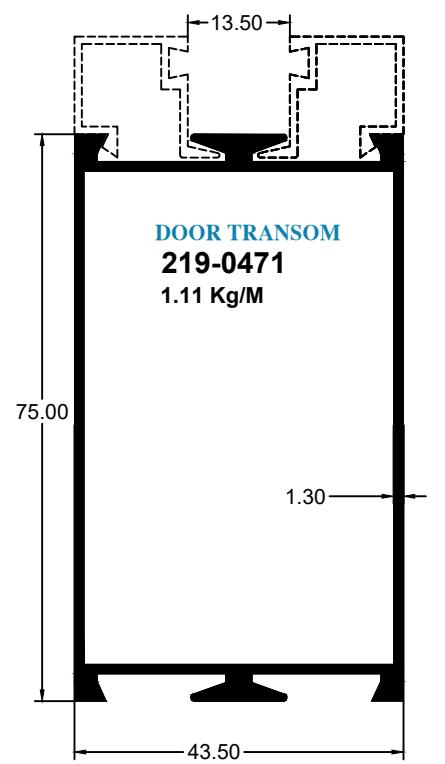
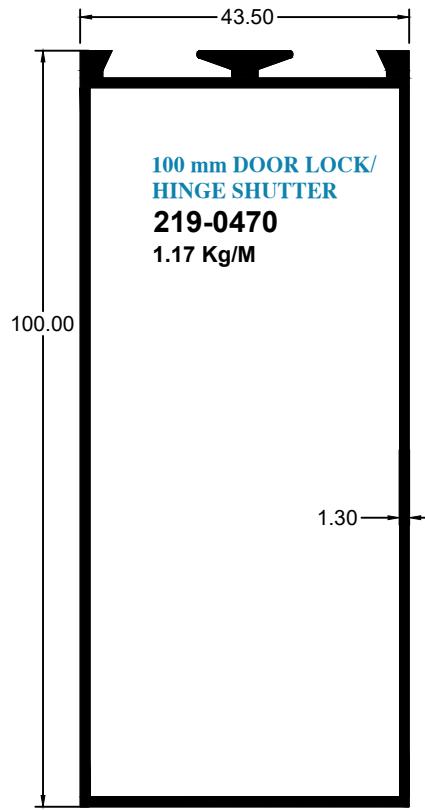
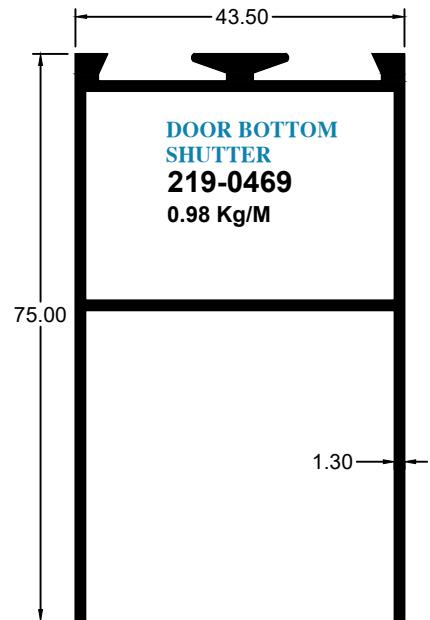
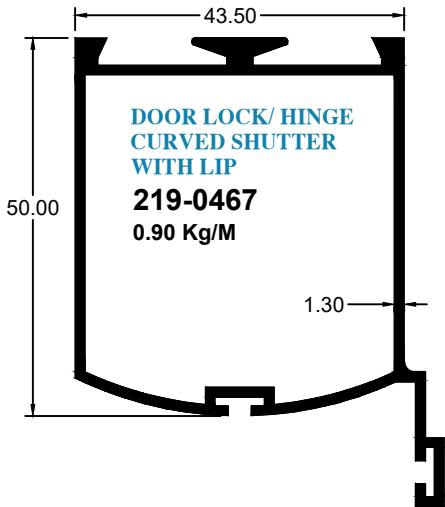
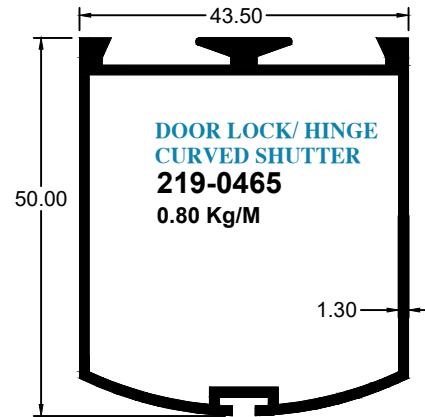
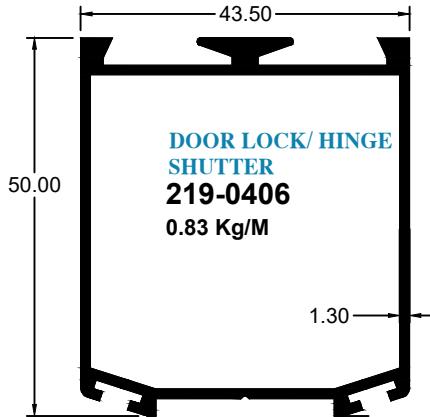
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



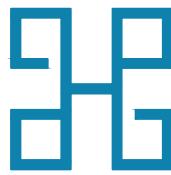
HYDRO ALUMINIUM LTD

HAD 45 DOOR SERIES

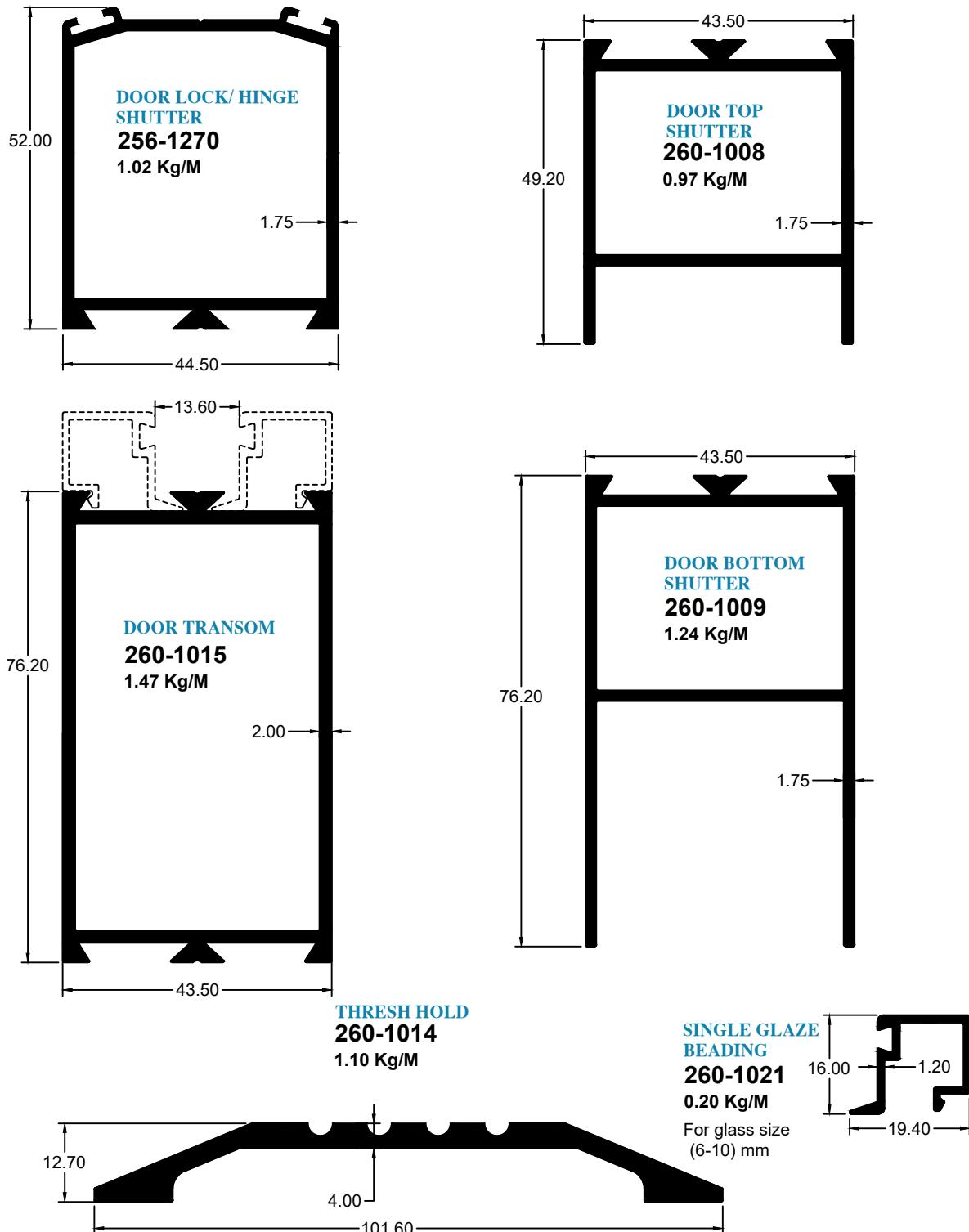


1. All dimensions are in mm
 2. The weight shared is for Mill finish
 3. When powder coated there will be a slight variance in weight.
- Disclaimer: The right to make alterations is reserved to HAL.

(Gasket sizes vary depending on the preferred glass size)



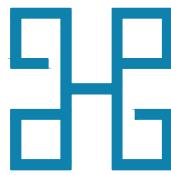
HAL 45 DOOR SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

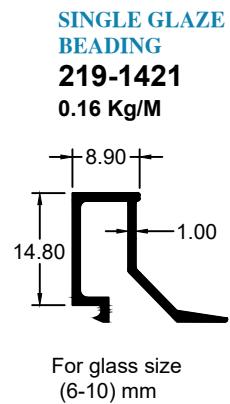
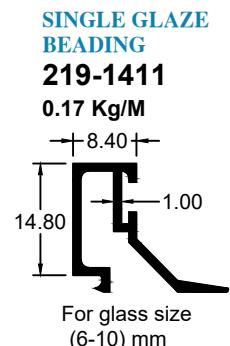
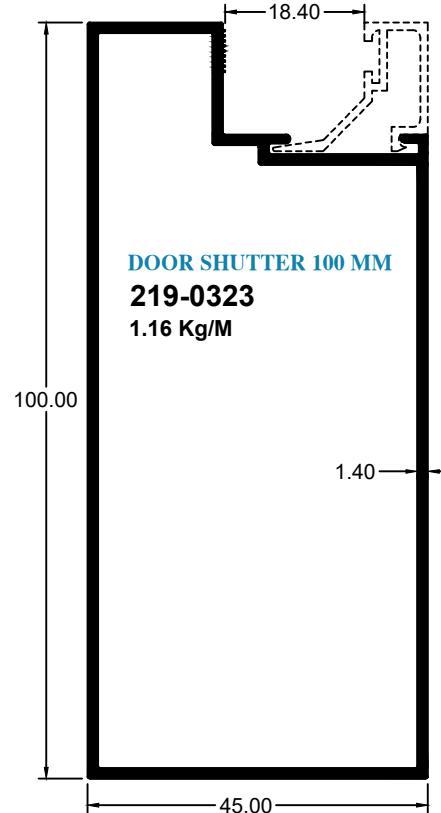
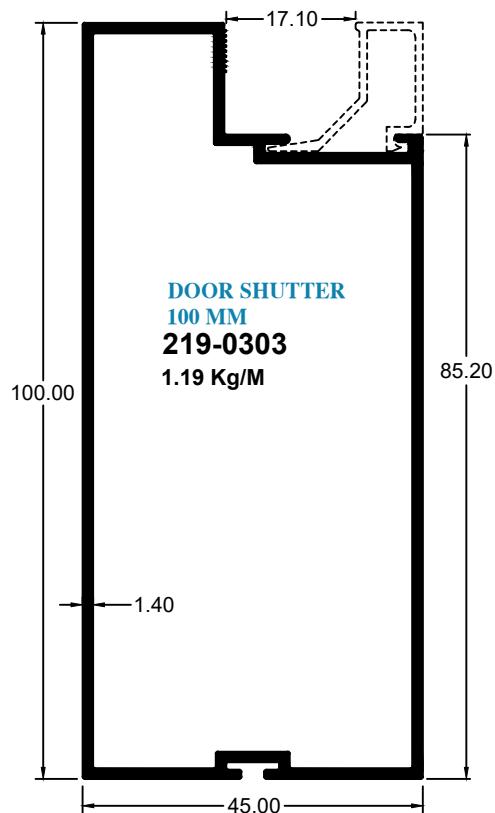
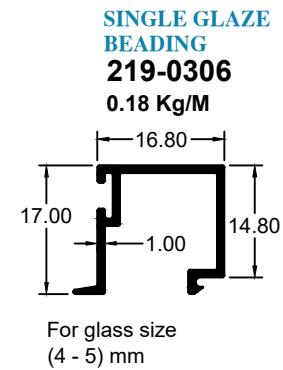
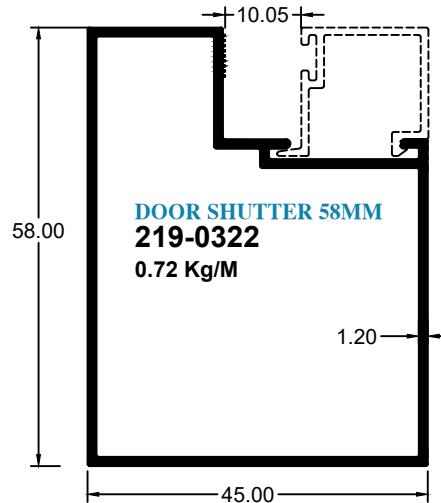
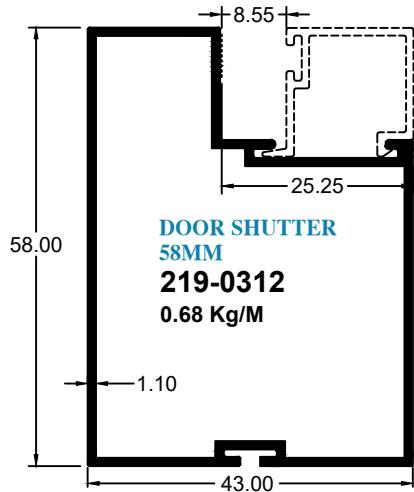
Disclaimer: The right to make alterations is reserved to HAL.

(Gasket sizes vary depending on the preferred glass size)



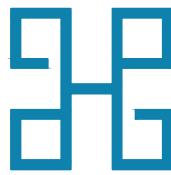
HYDRO ALUMINIUM LTD

HAD 300 DOOR SERIES

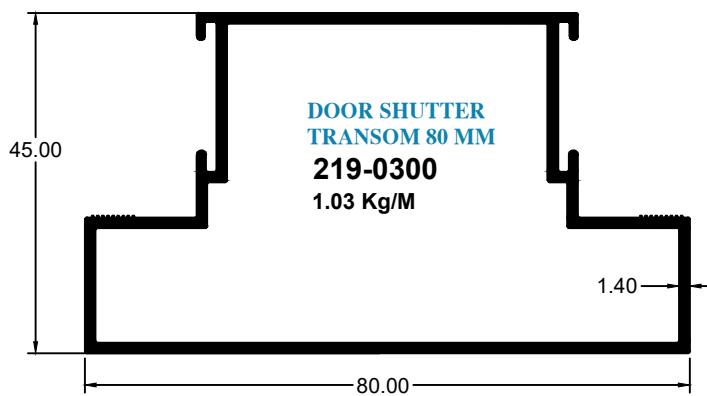
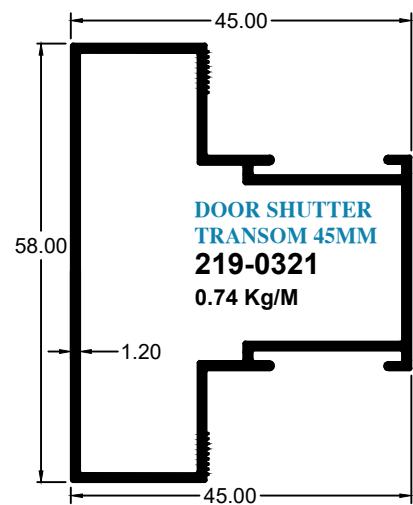
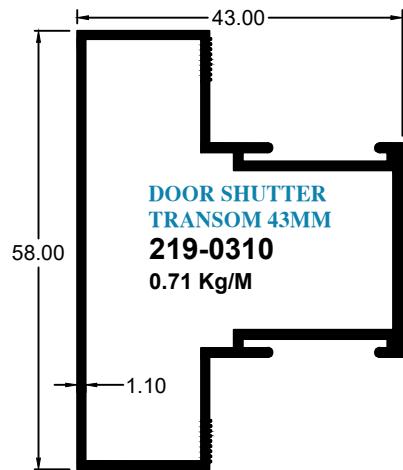
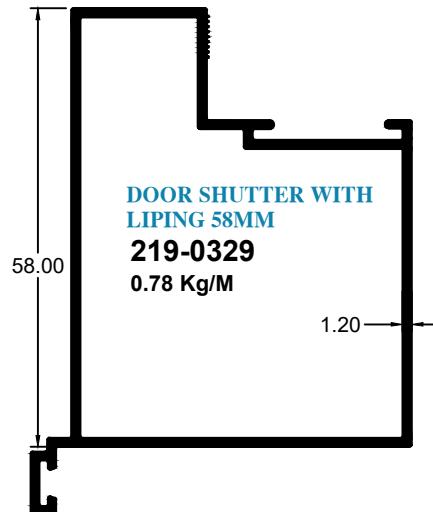
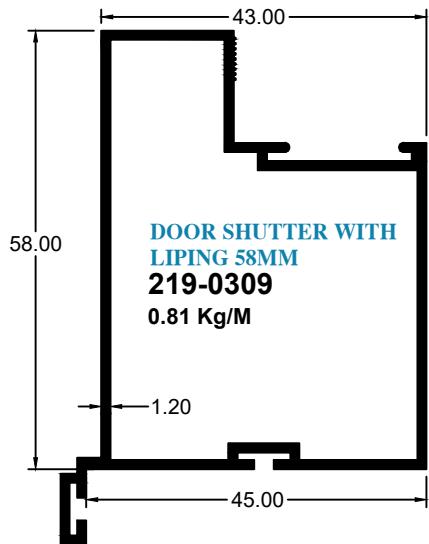


1. All dimensions are in mm
 2. The weight shared is for Mill finish
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- Disclaimer: The right to make alterations is reserved to HAL.

(Gasket sizes vary depending on the preferred glass size)

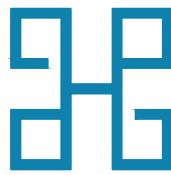


HAD 300 DOOR SERIES



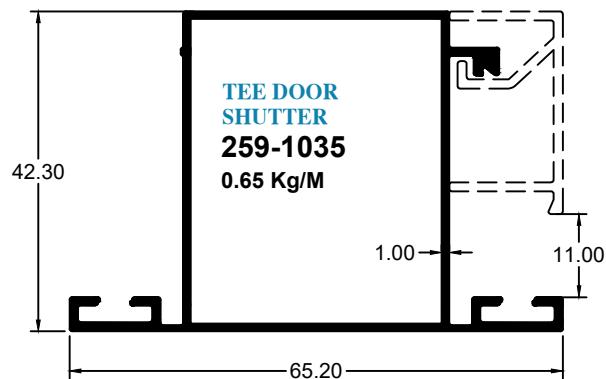
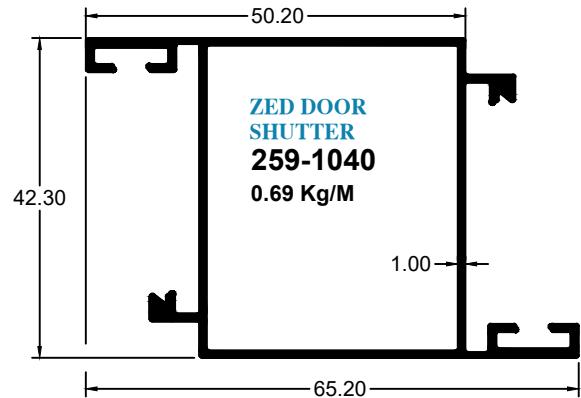
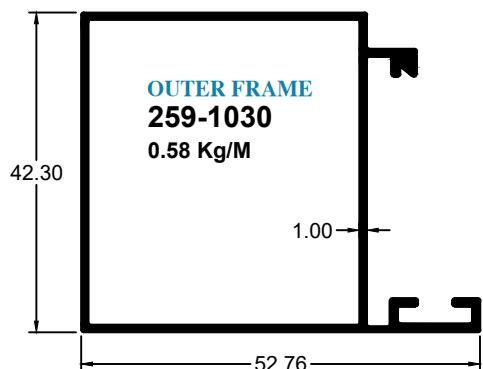
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

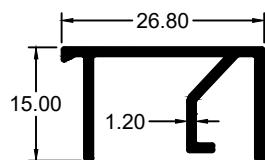


HYDRO ALUMINIUM LTD

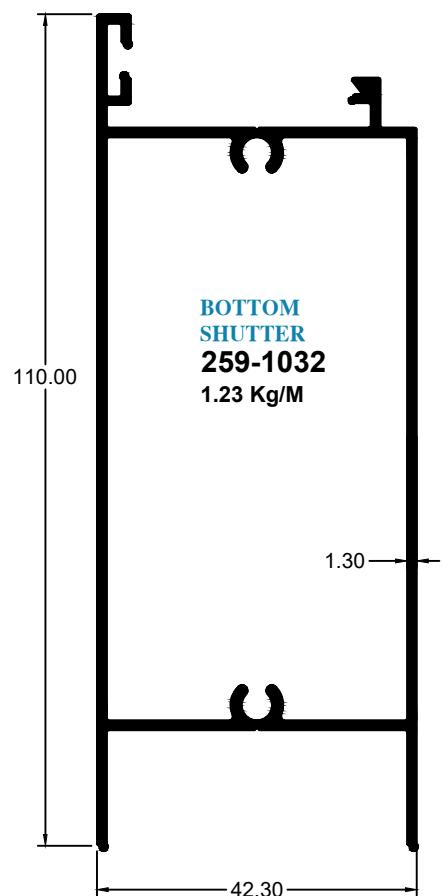
HYD DOOR SERIES



SINGLE GLAZE BEADING
259-1065
0.25 Kg/M

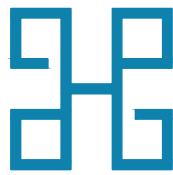


For glass size (4 - 8) mm
(Gasket sizes vary depending on the preferred glass size)



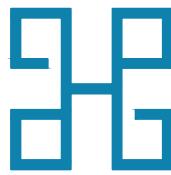
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



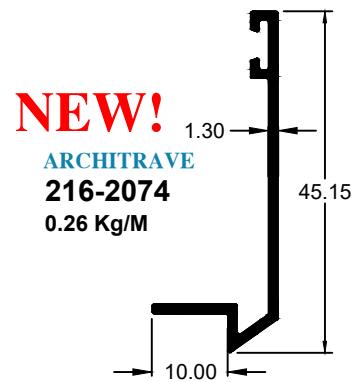
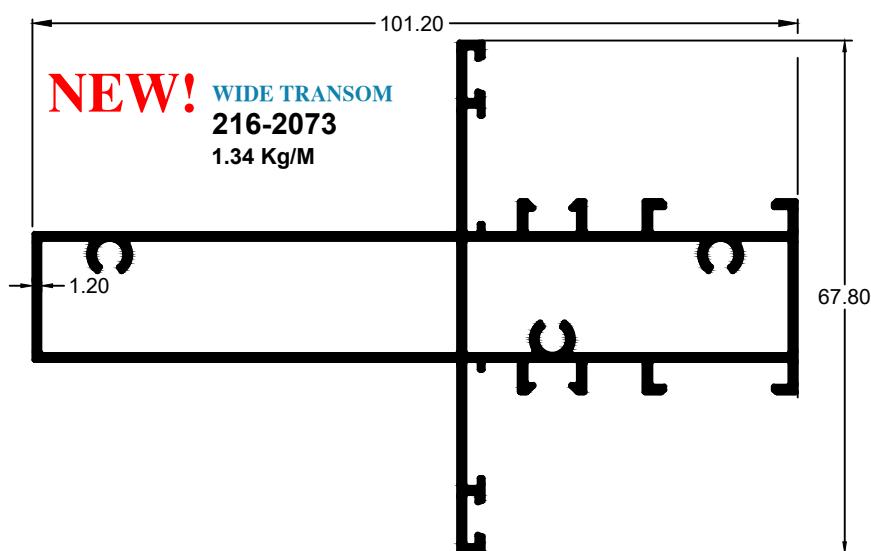
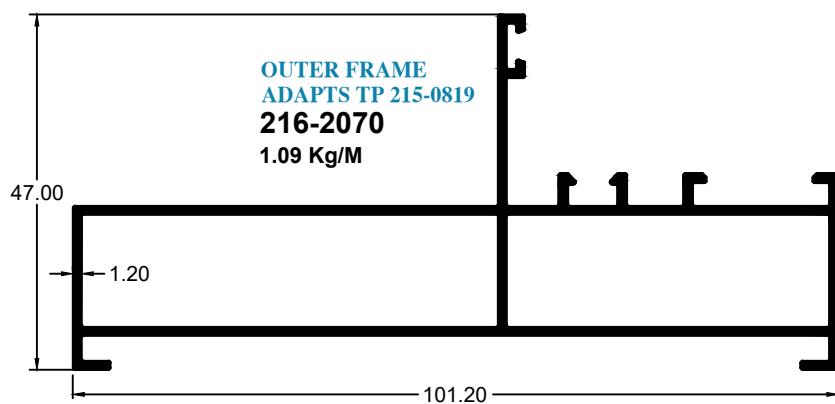
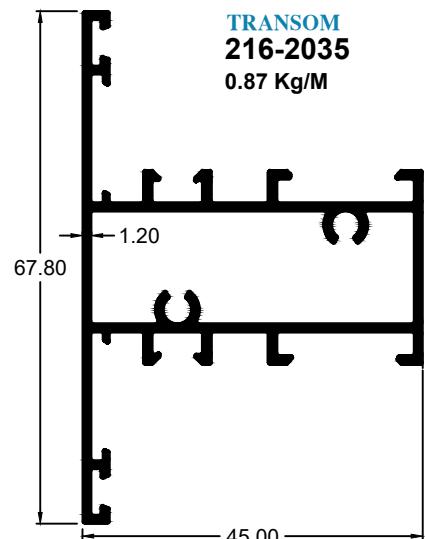
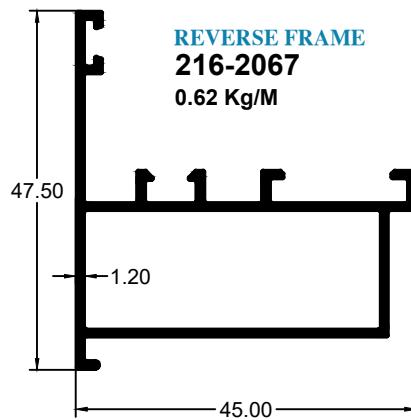
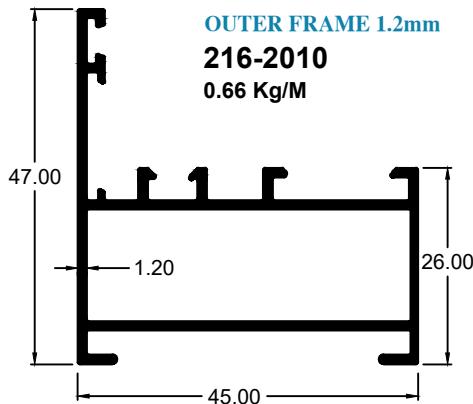
HYDRO ALUMINIUM LTD

CASEMENTS



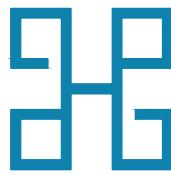
HYDRO ALUMINIUM LTD

DELUXE 45 SERIES



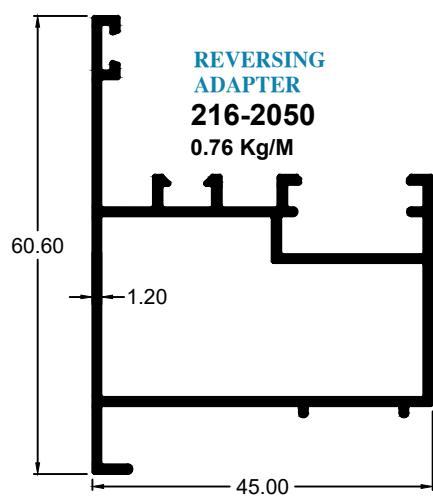
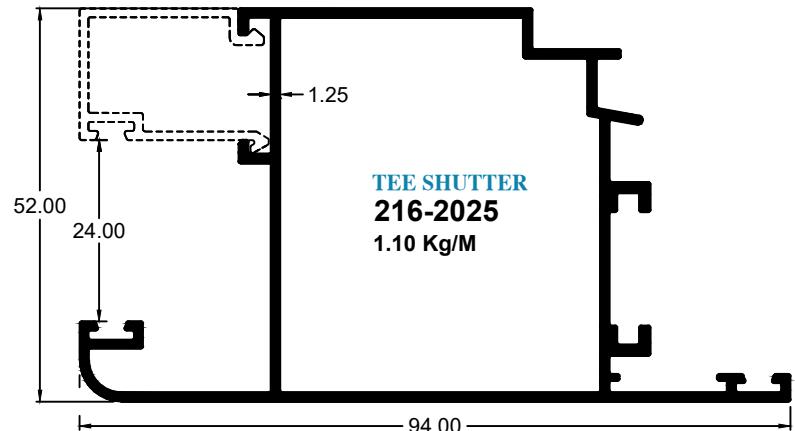
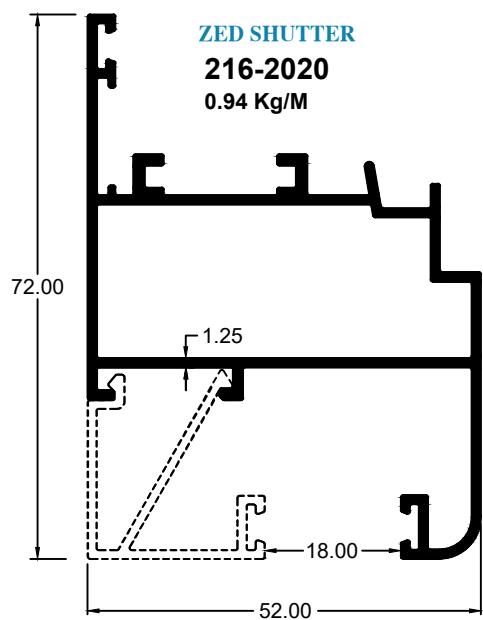
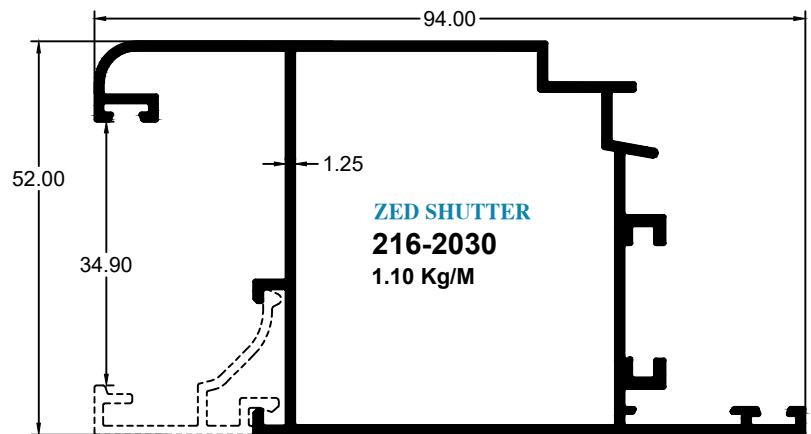
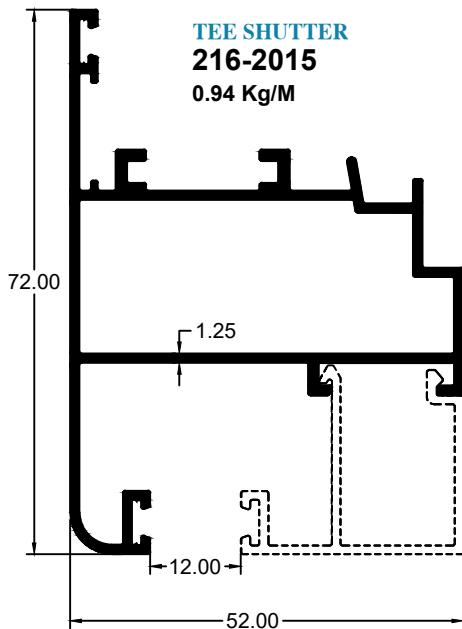
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

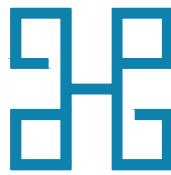


HYDRO ALUMINIUM LTD

DELUXE 45 SERIES

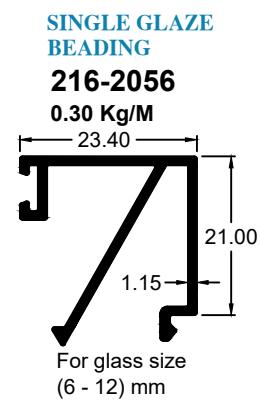
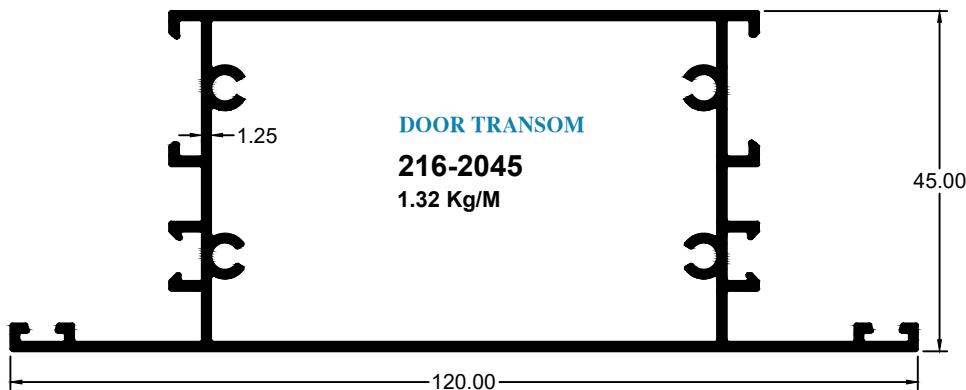
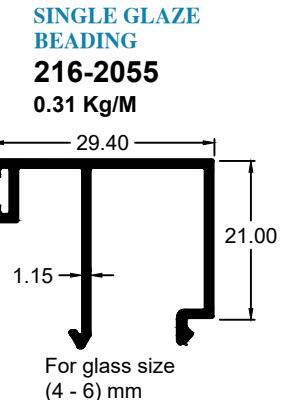
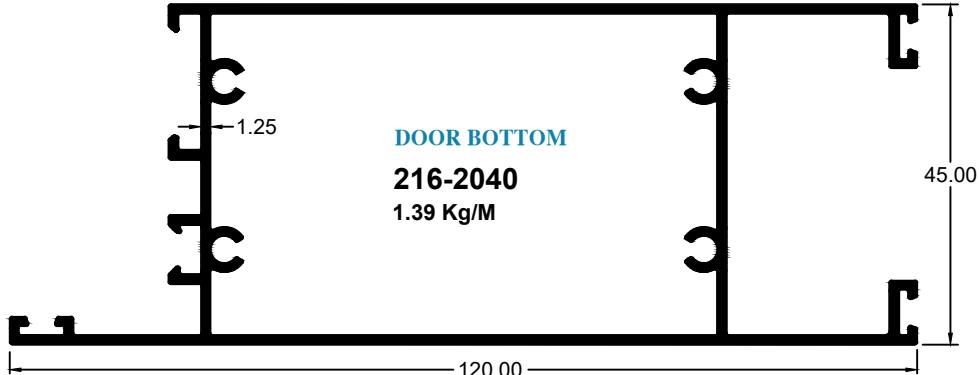


1. All dimensions are in mm
 2. The weight shared is for Mill finish
 3. When powder coated there will be a slight variance in weight.
- Disclaimer: The right to make alterations is reserved to HAL.

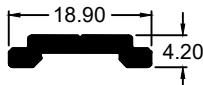


HYDRO ALUMINIUM LTD

DELUXE 45 SERIES

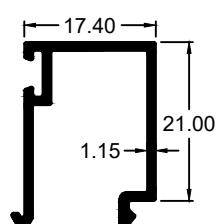


TRANSMISSION STRIP
216-2080
0.15 Kg/M

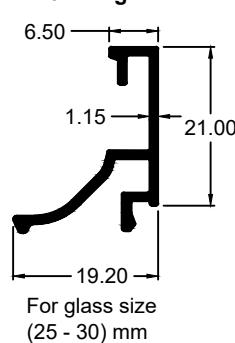


DOUBLE GLAZE BEADING

216-2057
0.25 Kg/M



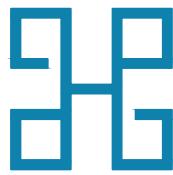
DOUBLE GLAZE BEADING
216-2058
0.21 Kg/M



(Gasket sizes vary depending on the preferred glass size)

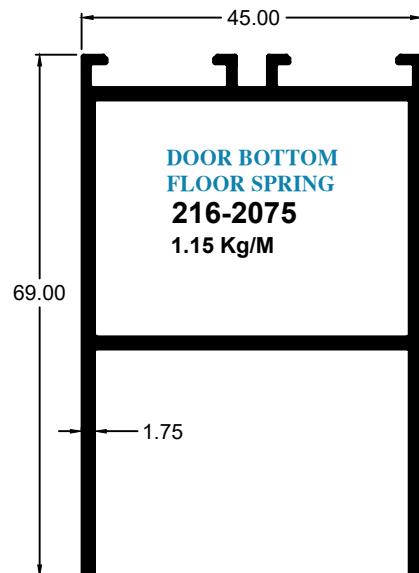
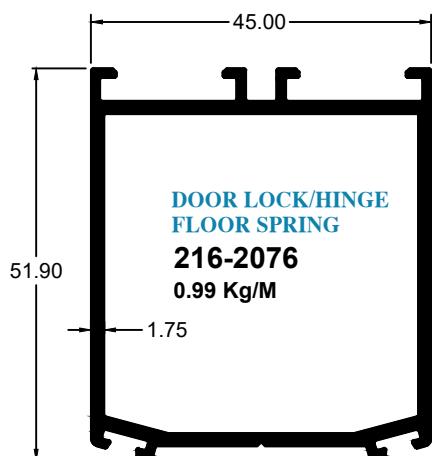
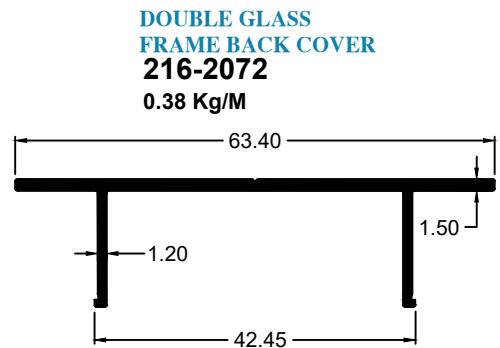
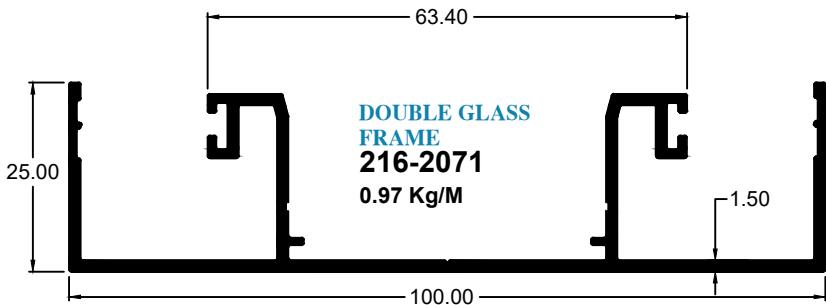
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



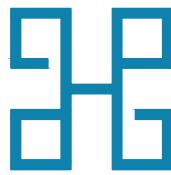
HYDRO ALUMINIUM LTD

DELUXE 45 DOOR SERIES

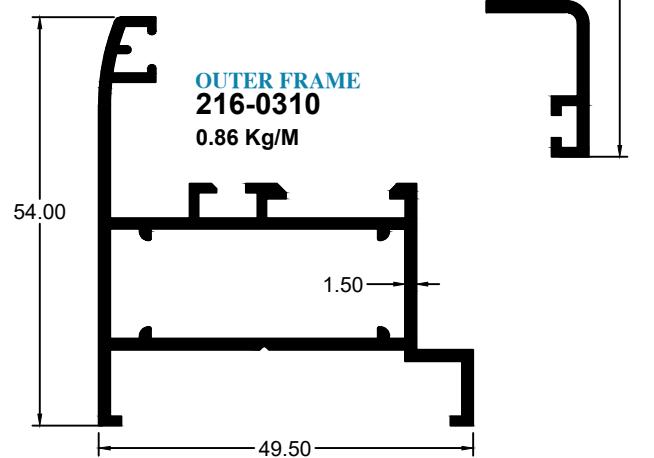
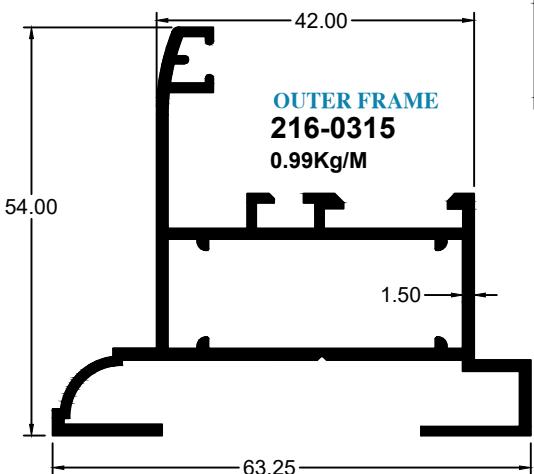
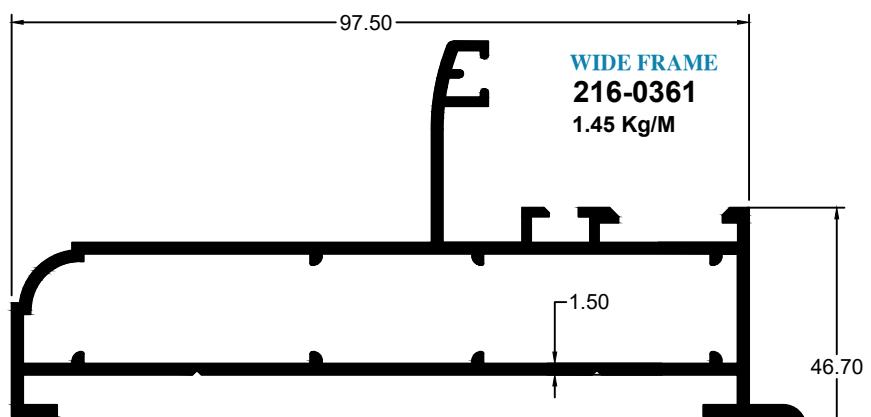
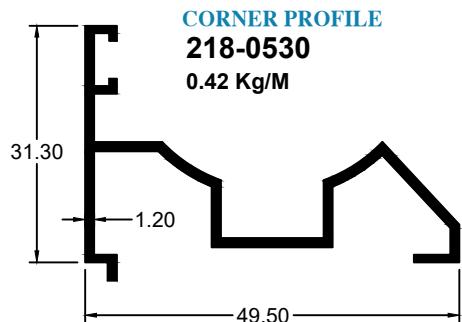
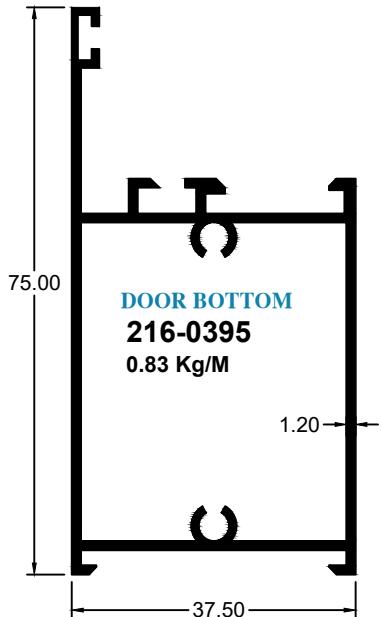
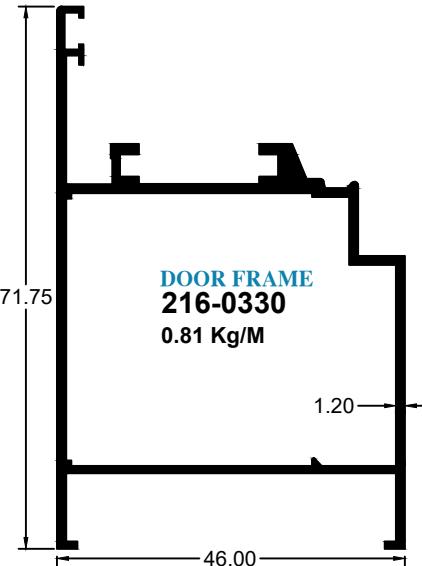
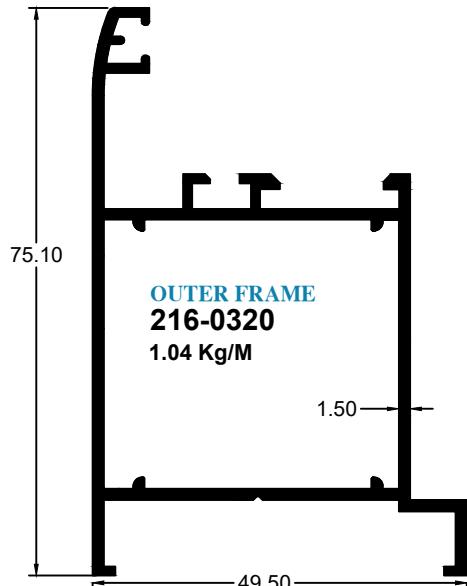


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

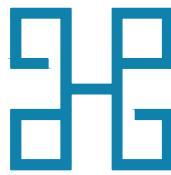


65 SERIES FRAMES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

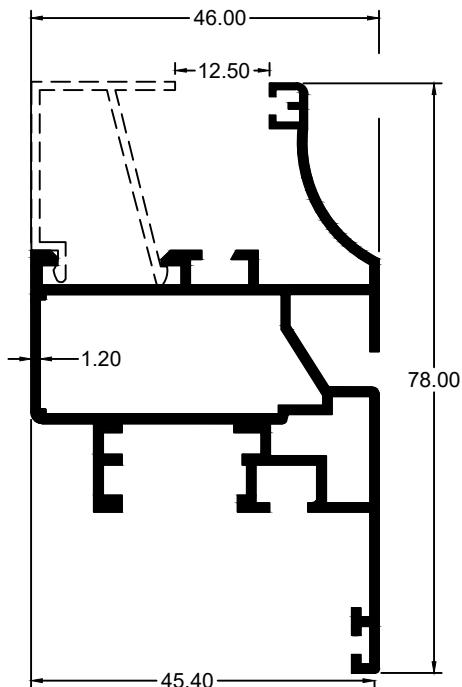


CASEMENT 65 SERIES

TEE SHUTTER

216-0350

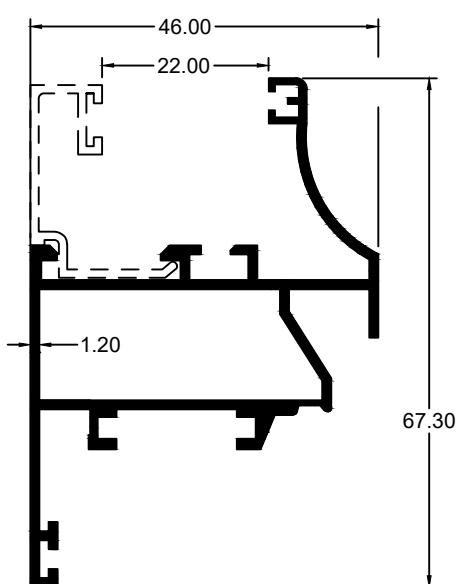
1.04 Kg/M



ZED SHUTTER

216-0340

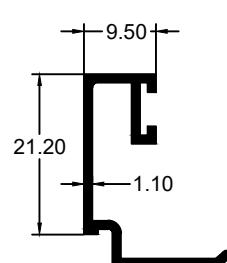
0.82 Kg/M



DOUBLE GLAZE BEADING

218-0545

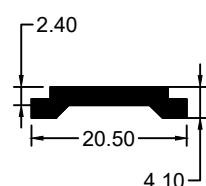
0.21 Kg/M

For glass size
(12 - 18) mm

TRANSMISSION STRIP

218-0541

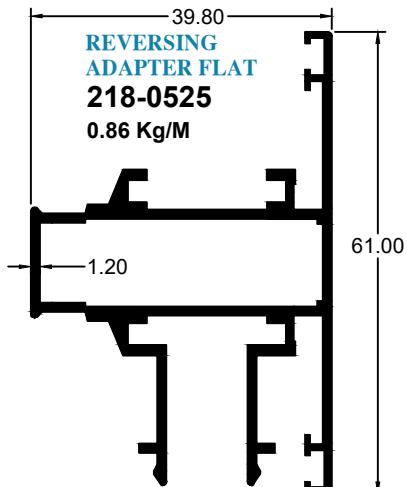
0.16 Kg/M



REVERSING ADAPTER FLAT

218-0525

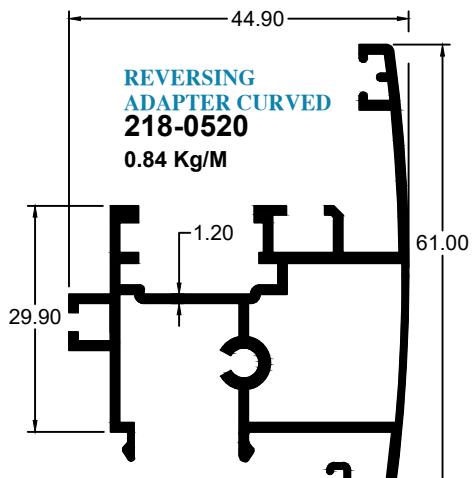
0.86 Kg/M



REVERSING ADAPTER CURVED

218-0520

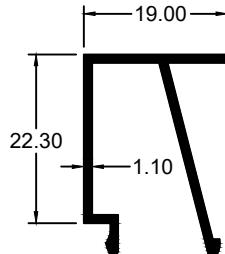
0.84 Kg/M



SINGLE GLAZE BEADING

218-0546

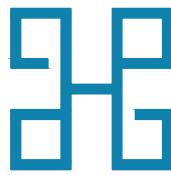
0.24 Kg/M

For glass size
(4 - 8) mm

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

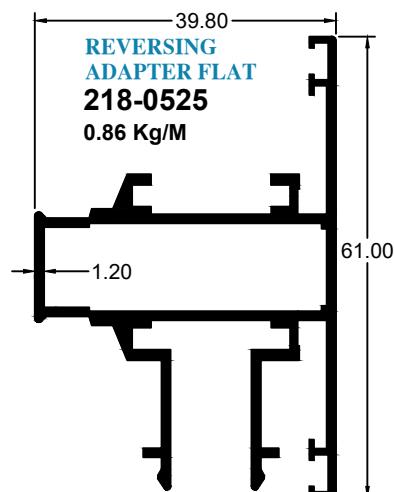
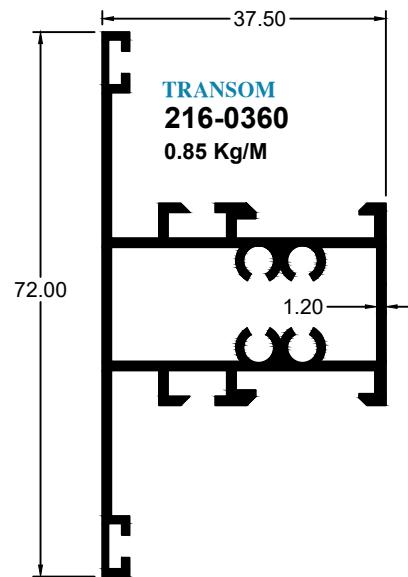
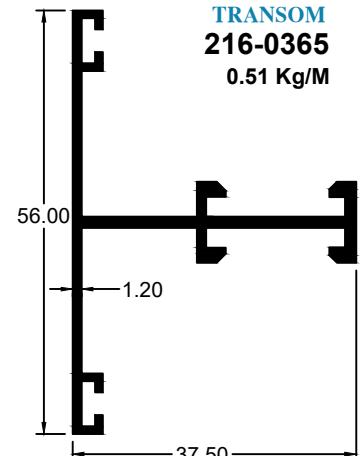
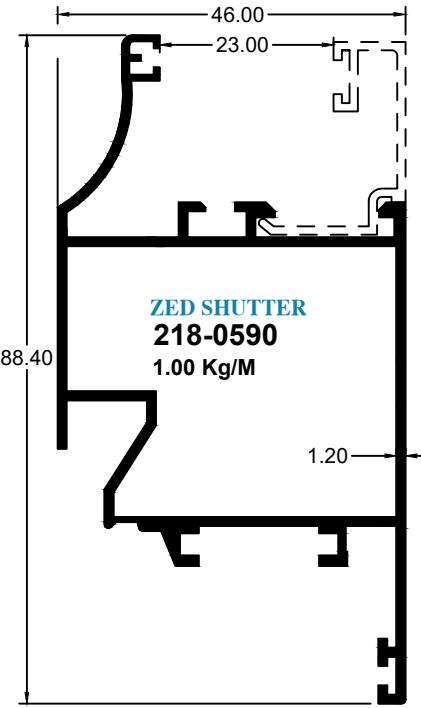
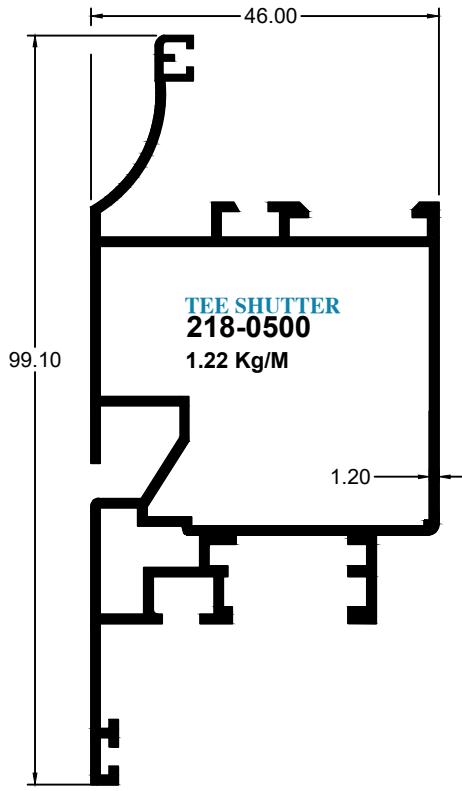
Disclaimer; The right to make alterations is reserved to HAL.

(Gasket sizes vary depending on the preferred glass size)



HYDRO ALUMINIUM LTD

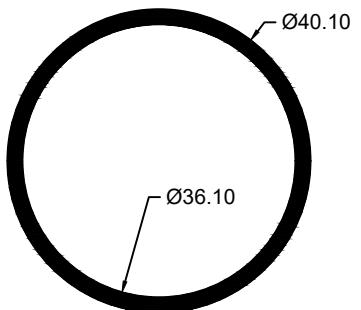
65 DOOR SERIES



TRANSMISSION
STRIP
218-0541
0.16 Kg/M

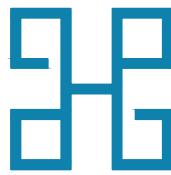


ROUND PROFILE
218-0535
0.68 Kg/M



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



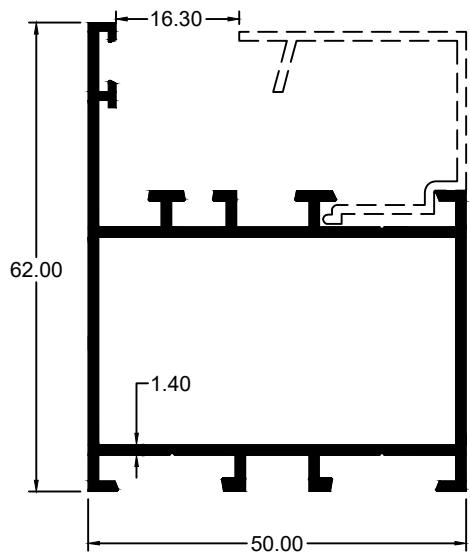
HYDRO ALUMINIUM LTD

CASEMENT CB SERIES

OUTER FRAME

216-1040

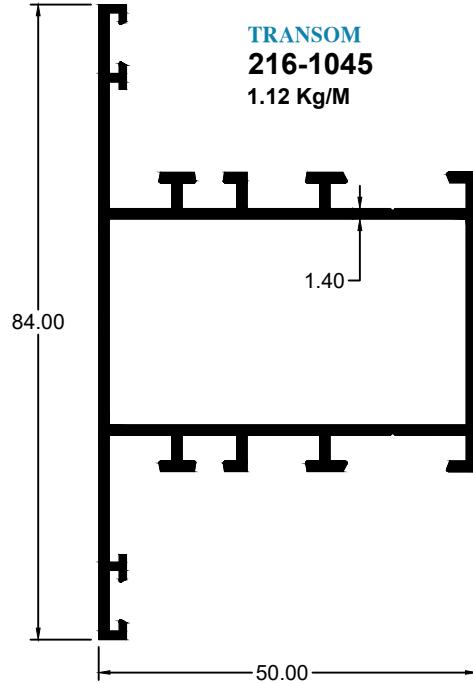
0.98 Kg/M



TRANSOM

216-1045

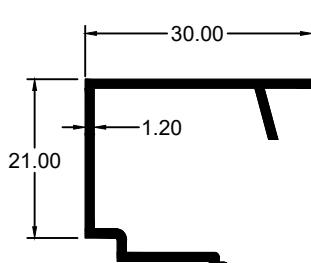
1.12 Kg/M



SINGLE GLAZE BEADING

216-1050

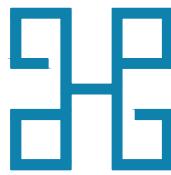
0.27 Kg/M



For glass size (8 - 12) mm
(Gasket sizes vary depending
on the preferred glass size)

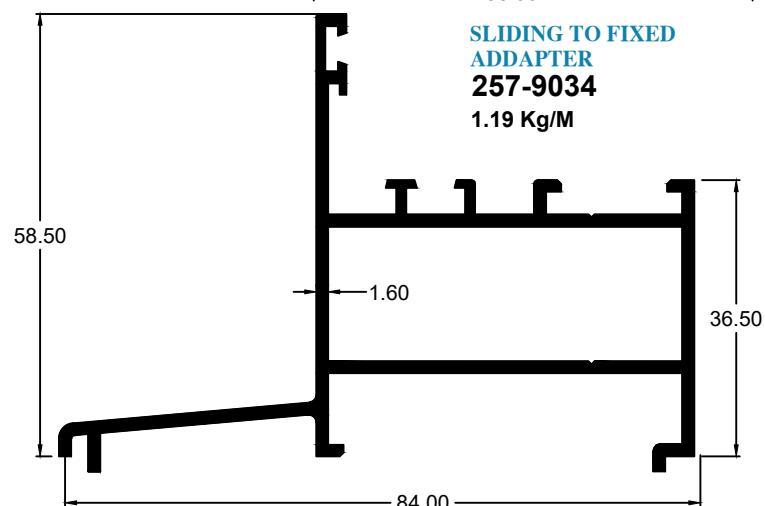
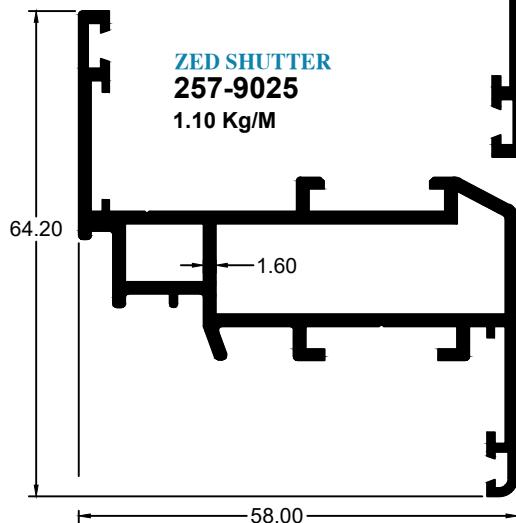
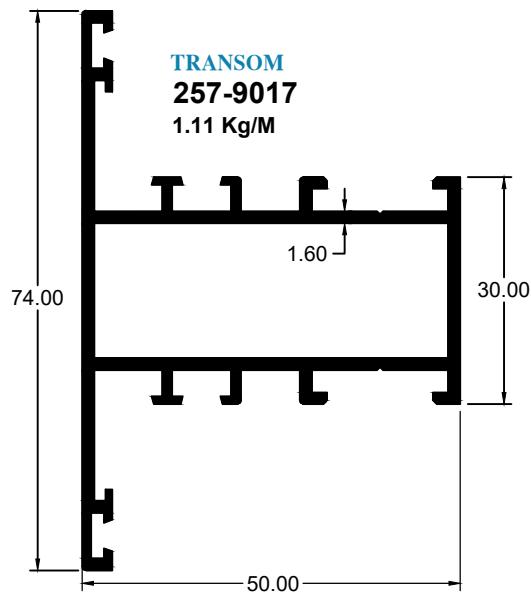
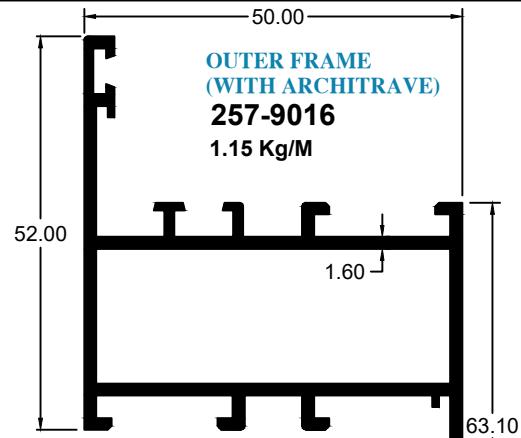
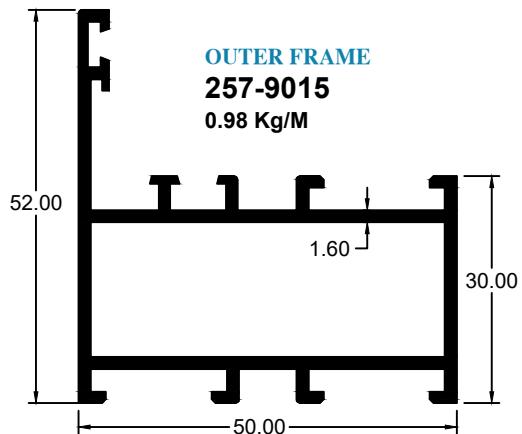
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



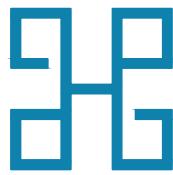
HYDRO ALUMINIUM LTD

CASEMENT 50 SERIES



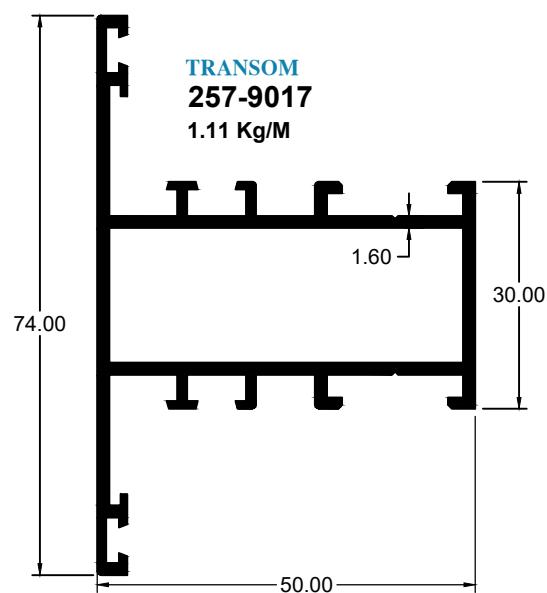
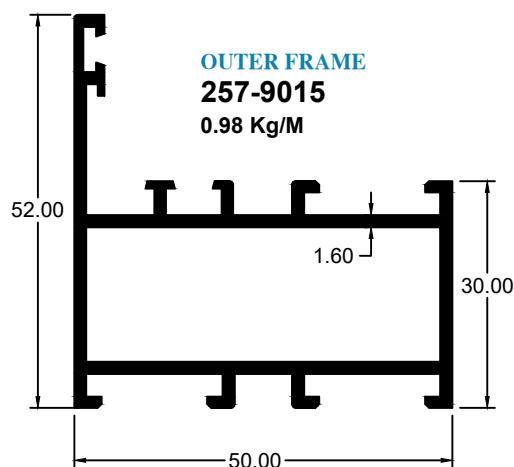
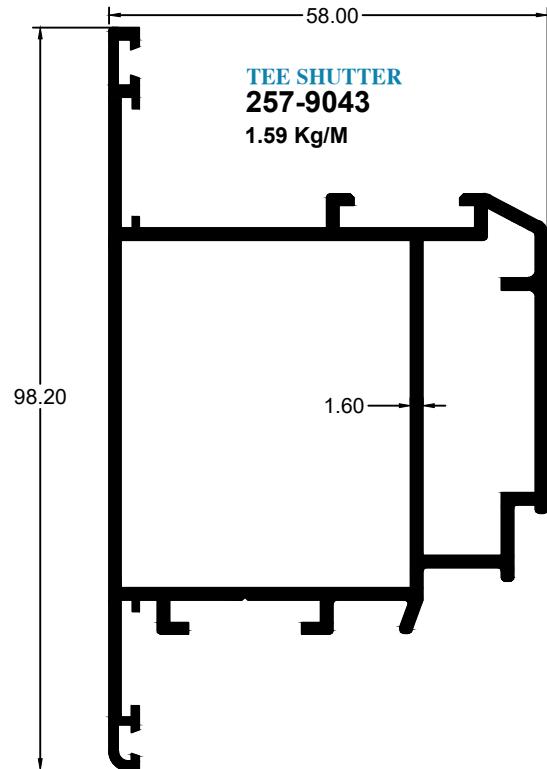
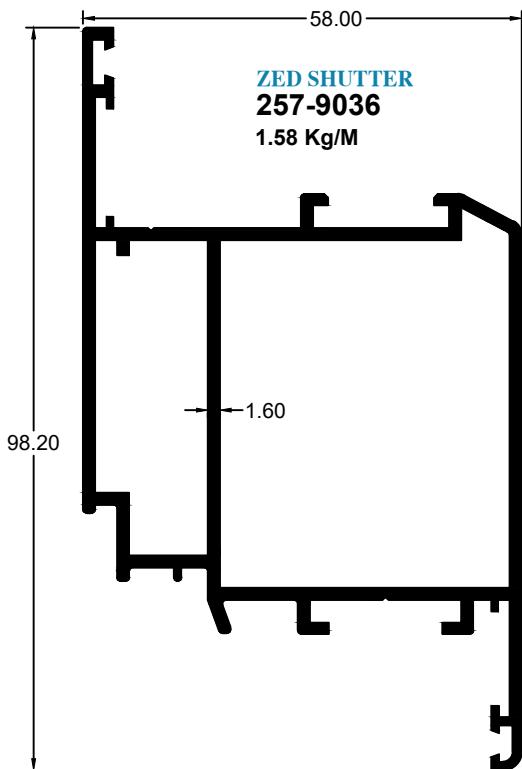
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



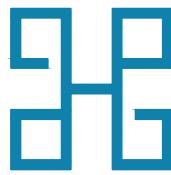
HYDRO ALUMINIUM LTD

DOOR 50 SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

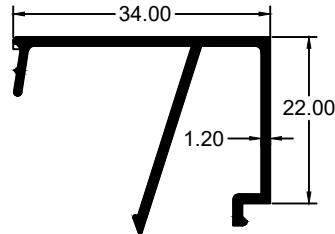


CASEMENT 50 SERIES

SINGLE GLAZE BEADING

256-1290

0.32 Kg/M

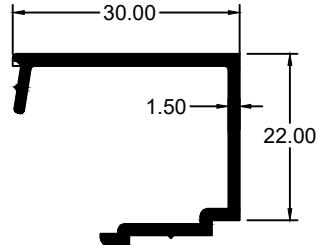


For glass size (4-6) mm

SINGLE GLAZE BEADING

257-9032

0.34 Kg/M

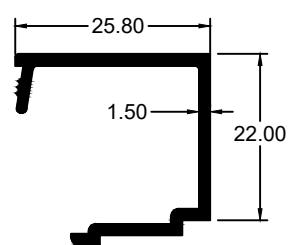


For glass size (8-11) mm

SINGLE GLAZE BEADING

257-9031

0.32 Kg/M

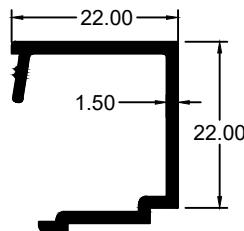


For glass size (12-15) mm

DOUBLE GLAZE BEADING

257-9029

0.30 Kg/M

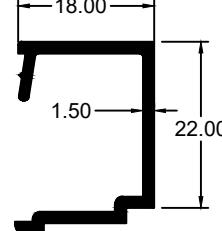


For glass size (16-19) mm

DOUBLE GLAZE BEADING

257-9028

0.28 Kg/M

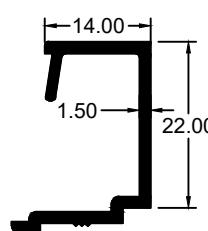


For glass size (20-23) mm

DOUBLE GLAZE BEADING

257-9018

0.26 Kg/M

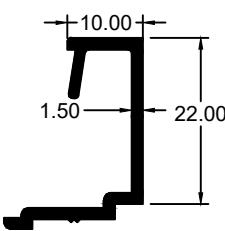


For glass size (24-27) mm

DOUBLE GLAZE BEADING

257-9030

0.25 Kg/M

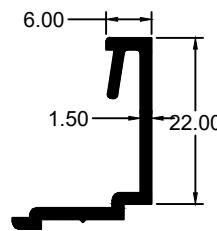


For glass size (28-31) mm

DOUBLE GLAZE BEADING

257-9027

0.23 Kg/M

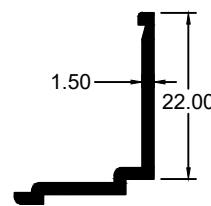


For glass size 32-35 mm

DOUBLE GLAZE BEADING

257-9026

0.18 Kg/M

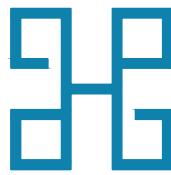


For glass size 36-39 mm

(Gasket sizes vary depending on the preferred glass size)

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



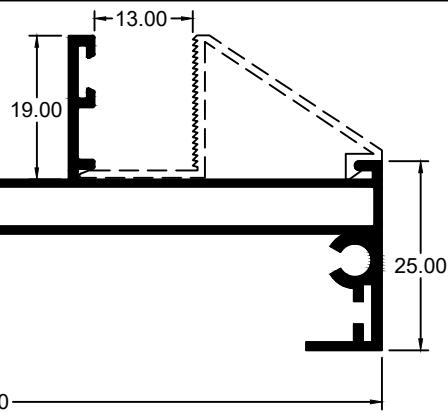
HYDRO ALUMINIUM LTD

NYL CASEMENT SERIES

OUTER FRAME

343-0365

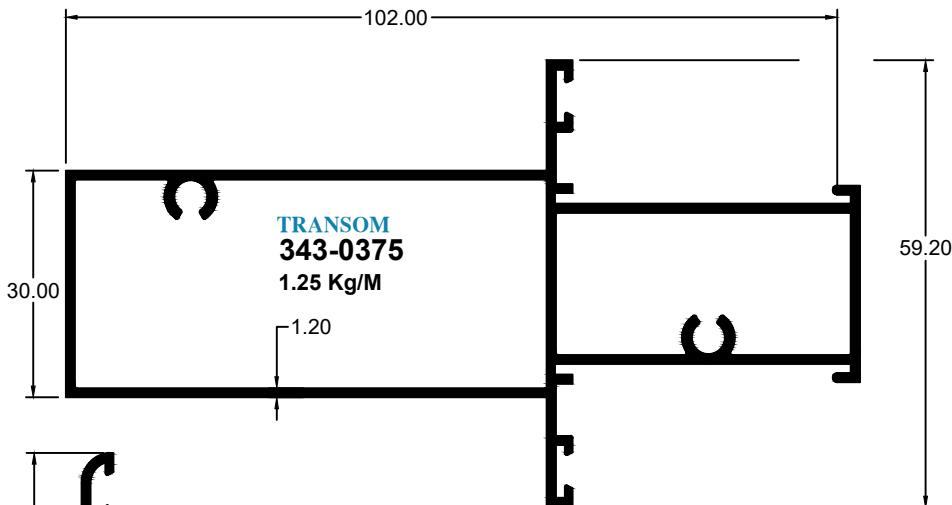
1.05 Kg/M



TRANSOM

343-0375

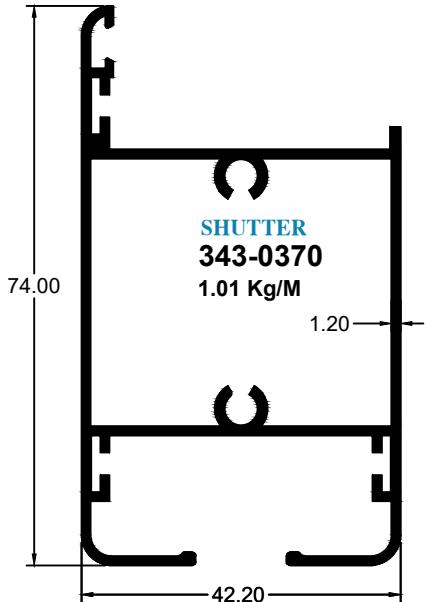
1.25 Kg/M



SHUTTER

343-0370

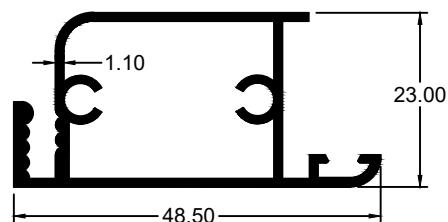
1.01 Kg/M



MOSQUITO SHUTTER

343-0345

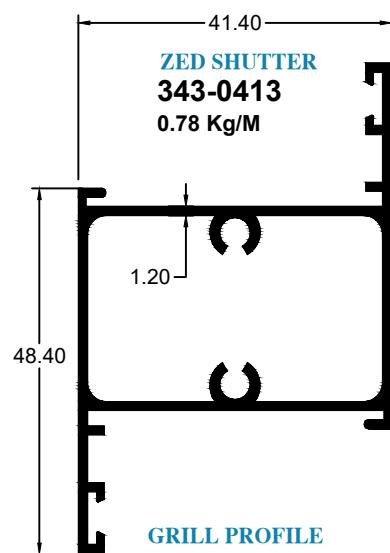
0.54 Kg/M



ZED SHUTTER

343-0413

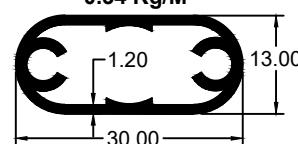
0.78 Kg/M



GRILL PROFILE

343-0340

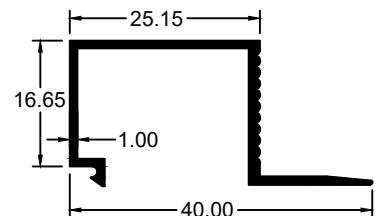
0.34 Kg/M



SINGLE GLAZE BEADING

216-0344

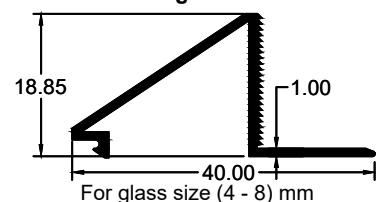
0.25 Kg/M



SINGLE GLAZE BEADING

343-0390

0.22 Kg/M



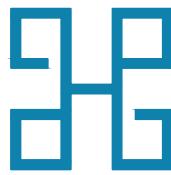
1. All dimensions are in mm

2. The weight shared is for Mill finish

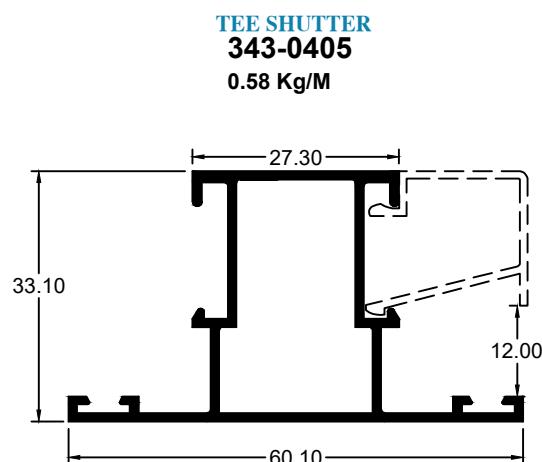
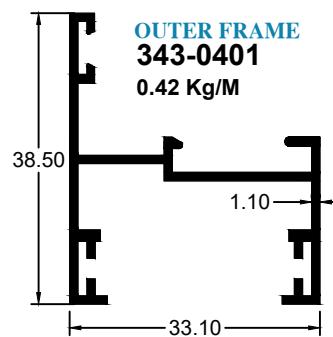
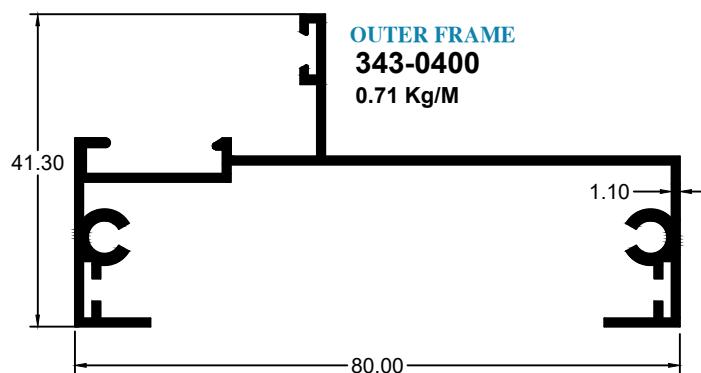
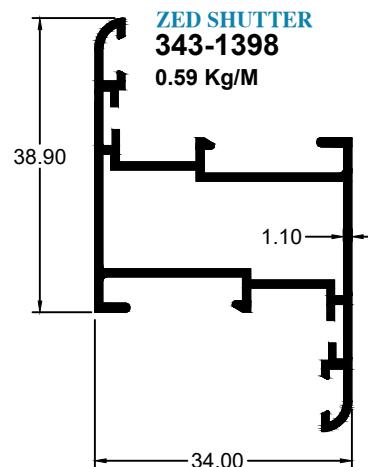
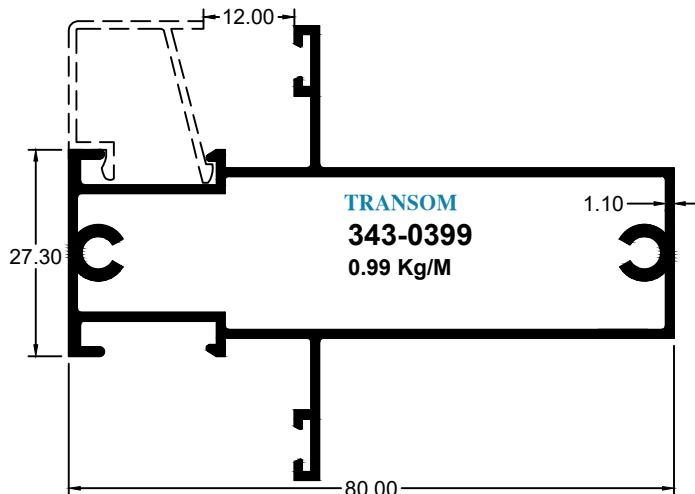
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

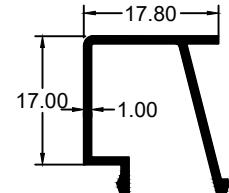
(Gasket sizes vary depending on the preferred glass size)



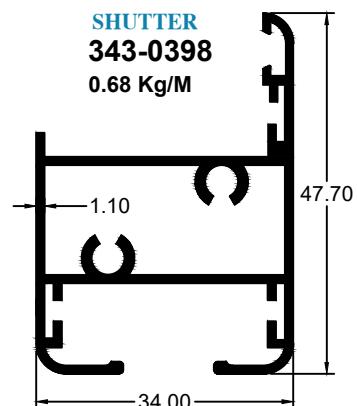
NYL CASEMENT SERIES



SINGLE GLAZE BEADING
219-0558
0.19 Kg/M

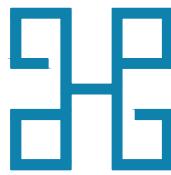


For glass size (4 - 8) mm
(Gasket sizes vary depending on the preferred glass size)



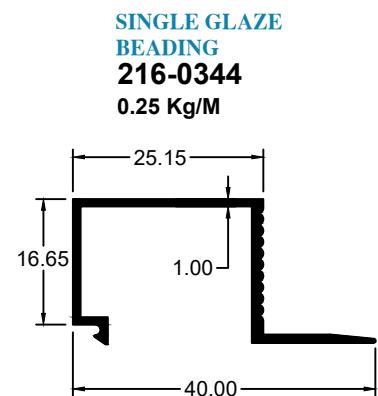
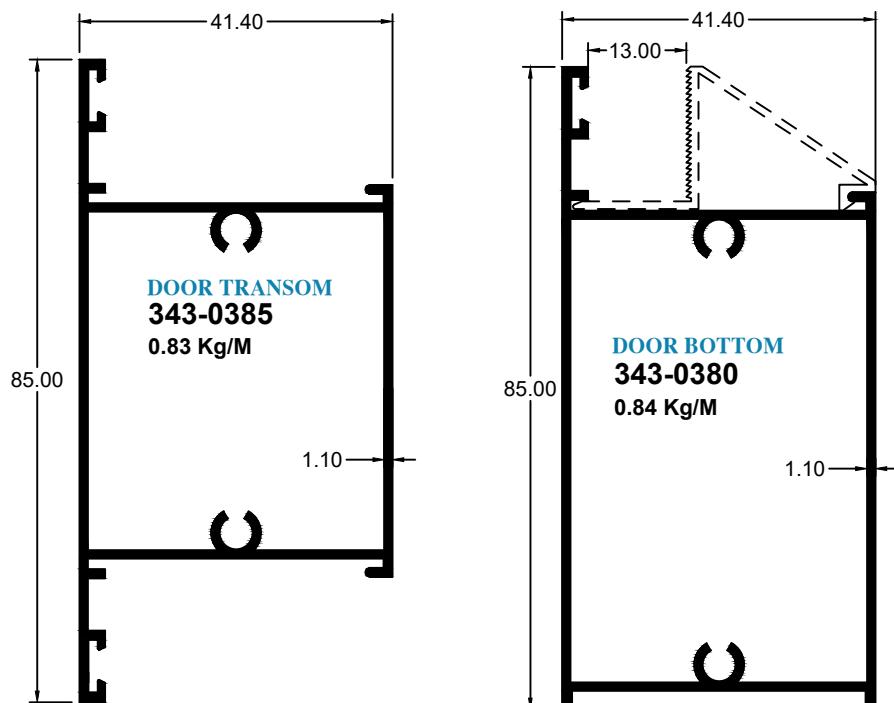
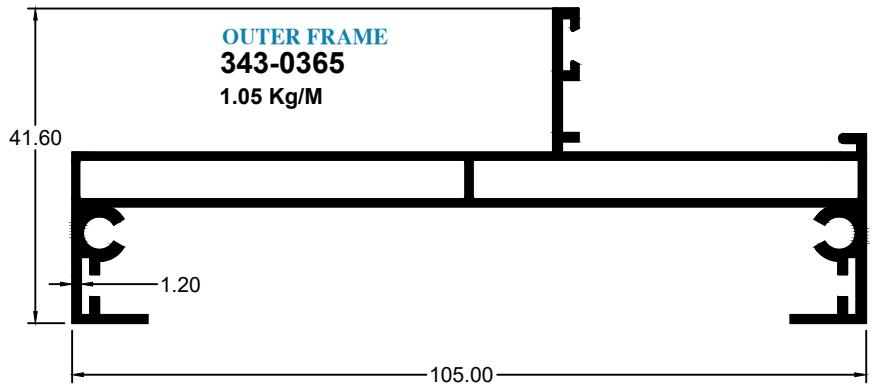
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

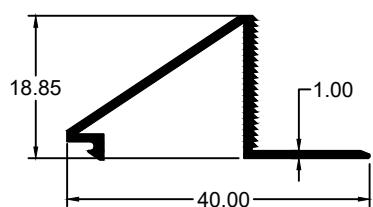
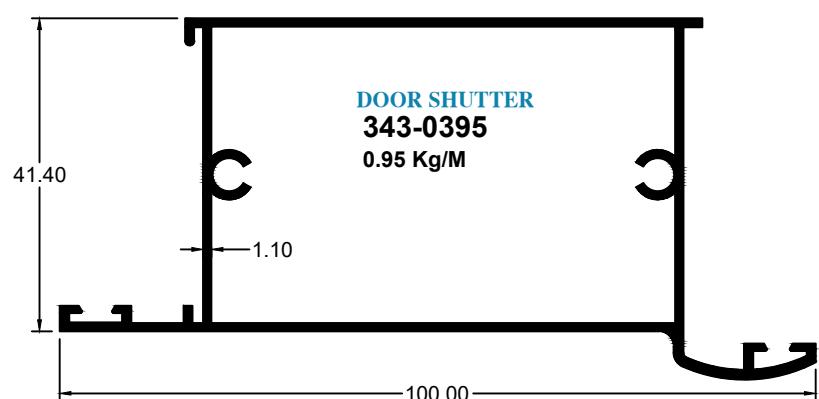


HYDRO ALUMINIUM LTD

NYL DOOR SERIES



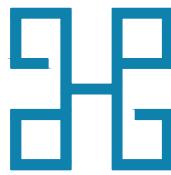
For glass size (4 - 8) mm
(Gasket sizes vary depending
on the preferred glass size)



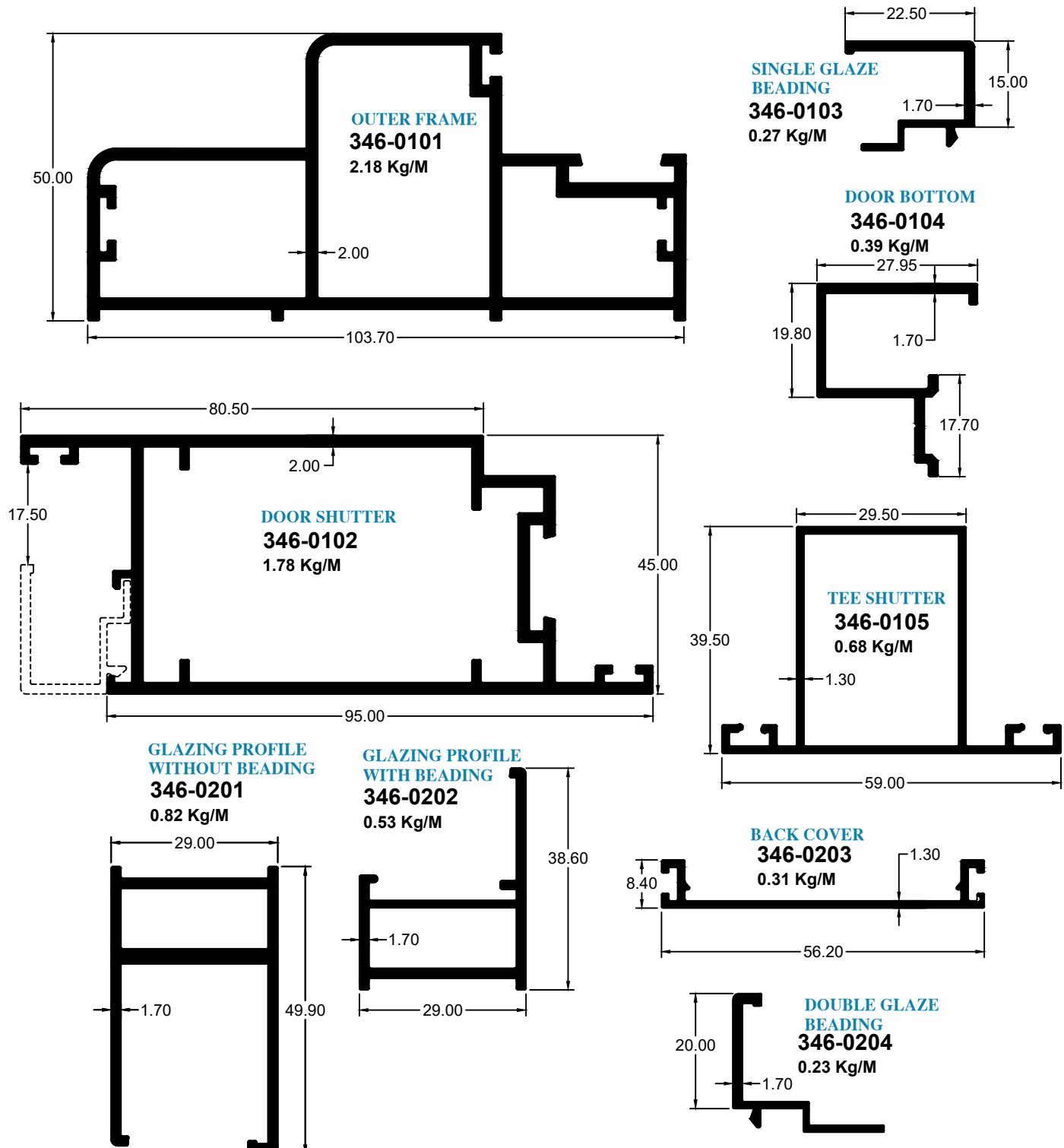
For glass size (4 - 8) mm
(Gasket sizes vary depending
on the preferred glass size)

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

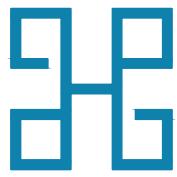


SINGLE/DOUBLE PARTITION



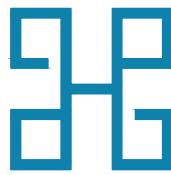
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

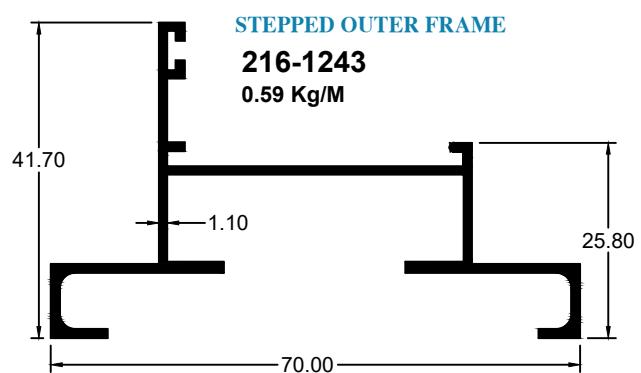
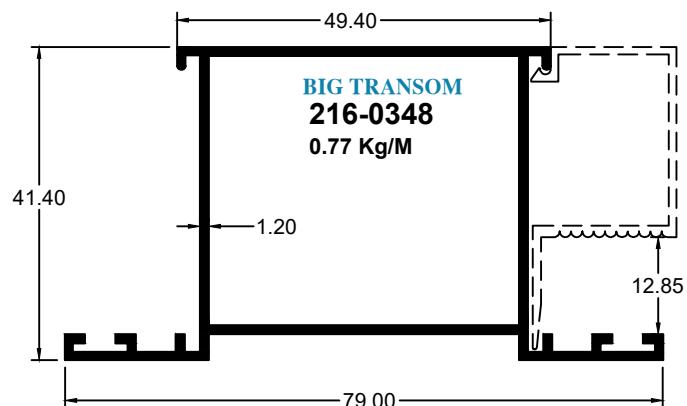
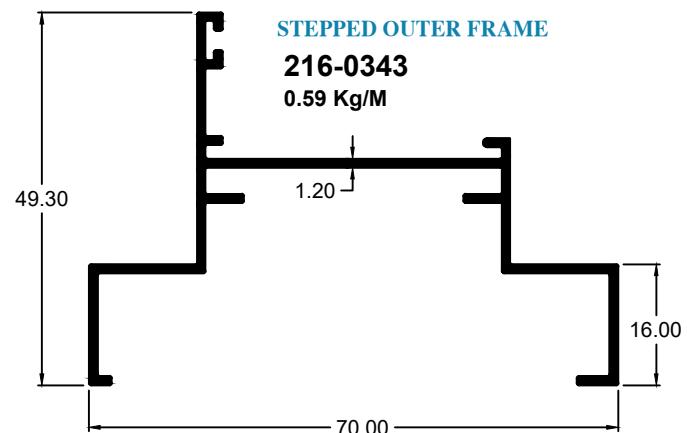
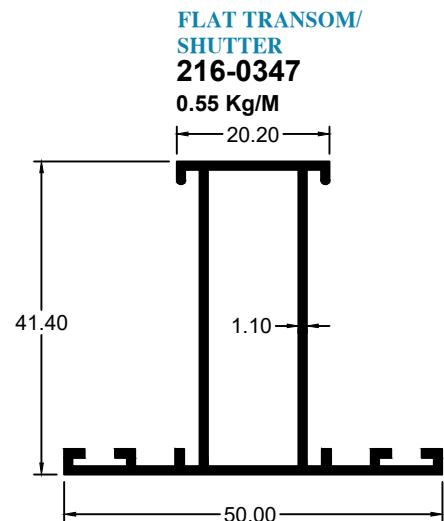
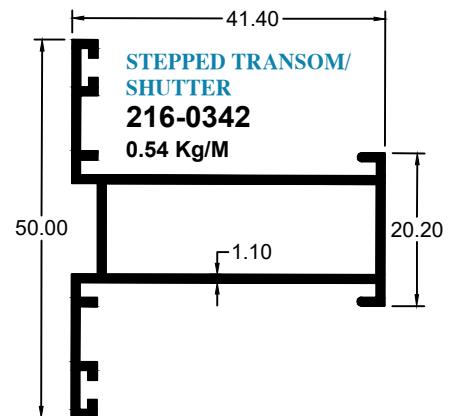
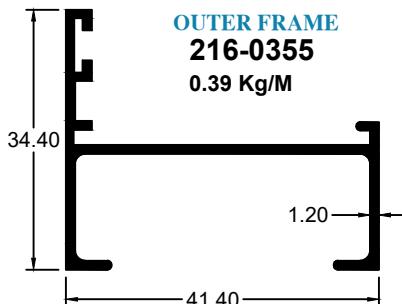
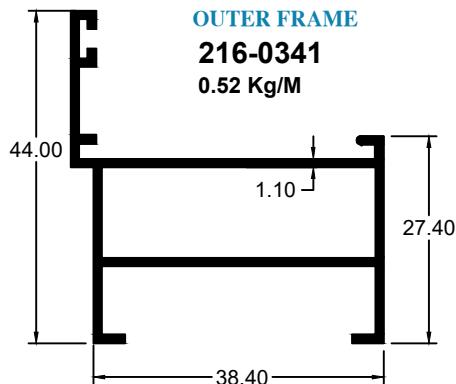


HYDRO ALUMINIUM LTD

PROJECTING WINDOWS

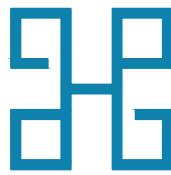


GENERAL CASEMENT



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

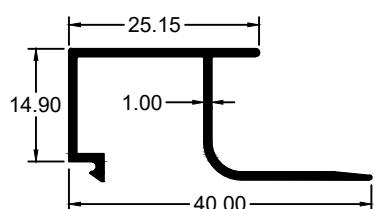


GENERAL CASEMENT

SINGLE GLAZE BEADING

216-0354

0.23 Kg/M

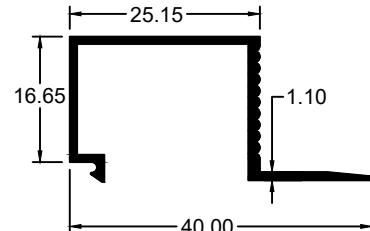


For glass size (4 - 8) mm

SINGLE GLAZE BEADING

216-0344

0.25 Kg/M

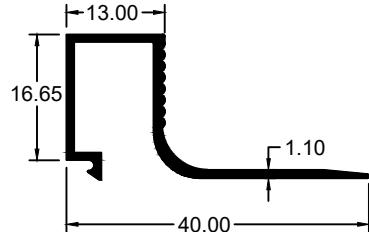


For glass size (4 - 8) mm

DOUBLE GLAZE BEADING

216-0349

0.25 Kg/M

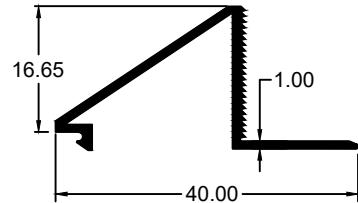


For glass size (12 - 18) mm

SINGLE GLAZE BEADING

343-0390

0.22 Kg/M

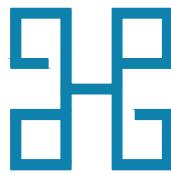


For glass size (4 - 8) mm

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

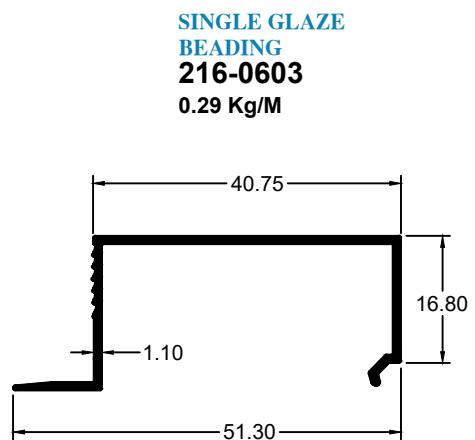
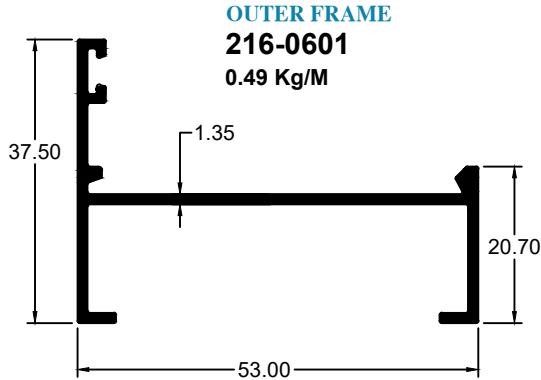
Disclaimer; The right to make alterations is reserved to HAL.

For glass size (4 - 8) mm
(Gasket sizes vary depending
on the preferred glass size)

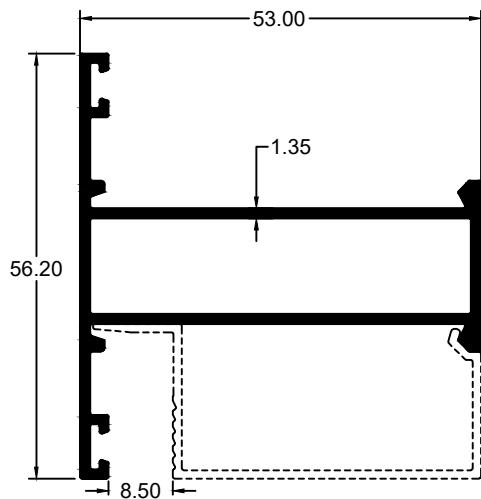


HYDRO ALUMINIUM LTD

HEAVY CASEMENT

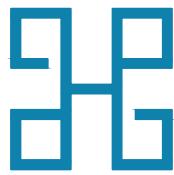


For glass size (4 - 6) mm
(Gasket sizes vary depending
on the preferred glass size)



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

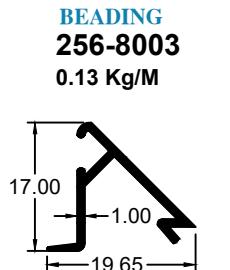
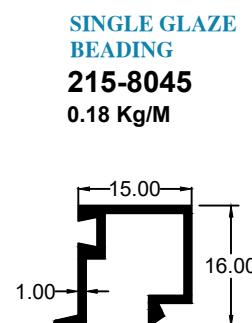
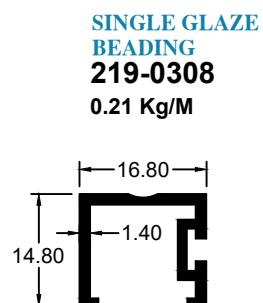
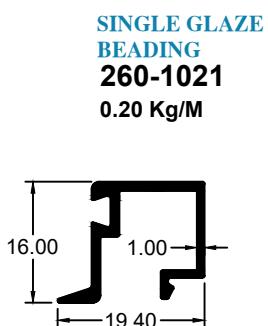
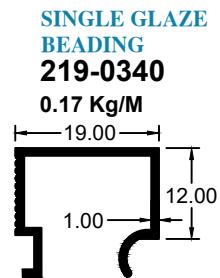
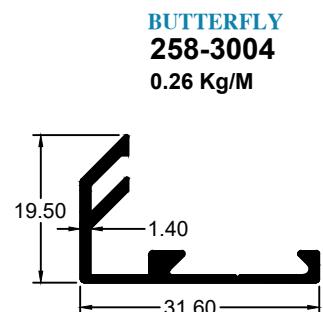
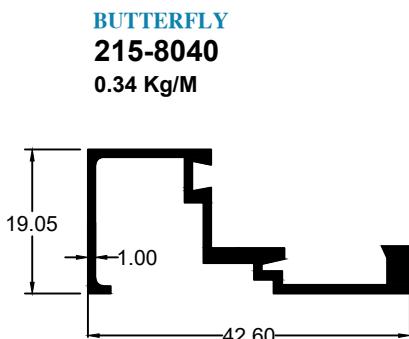
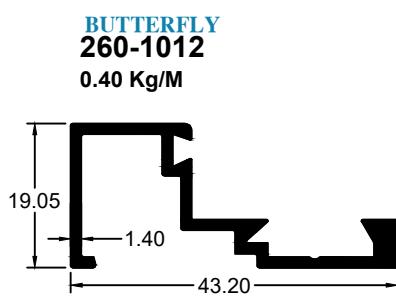
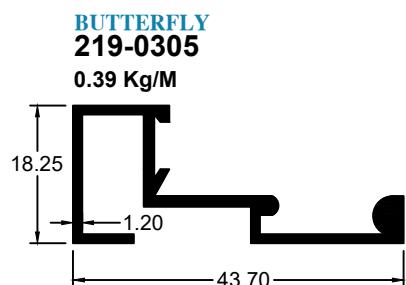


HYDRO ALUMINIUM LTD

PARTITIONS SHOP-FRONTS

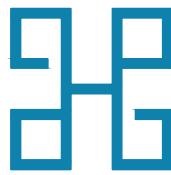


BUTTERFLY PROFILES



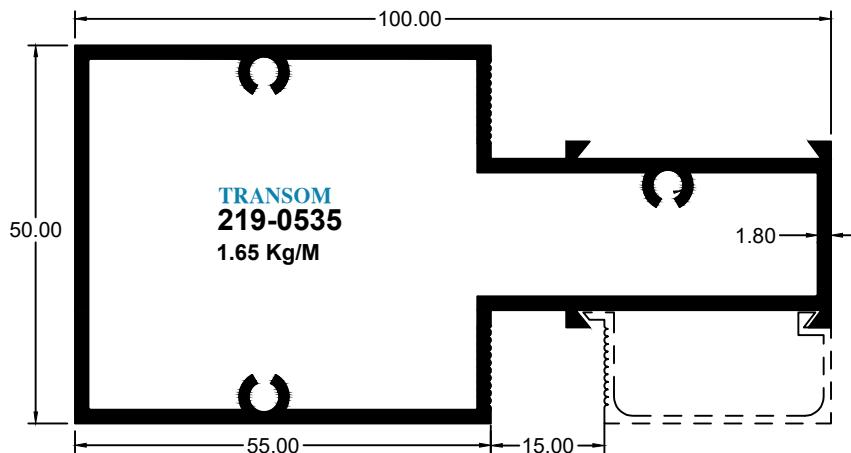
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

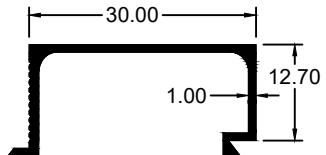


HYDRO ALUMINIUM LTD

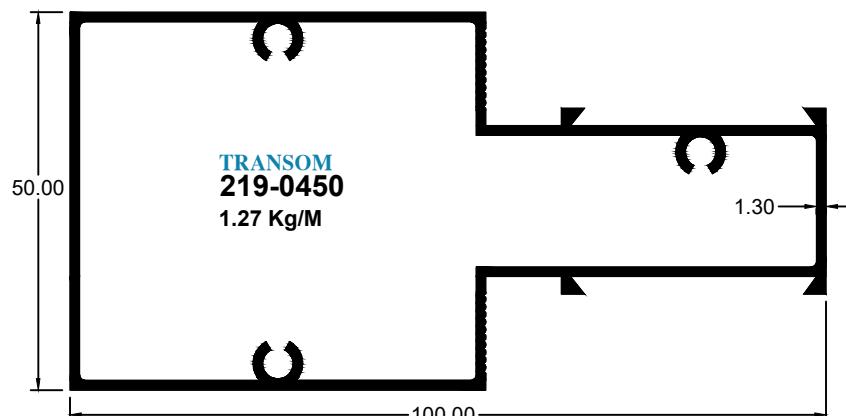
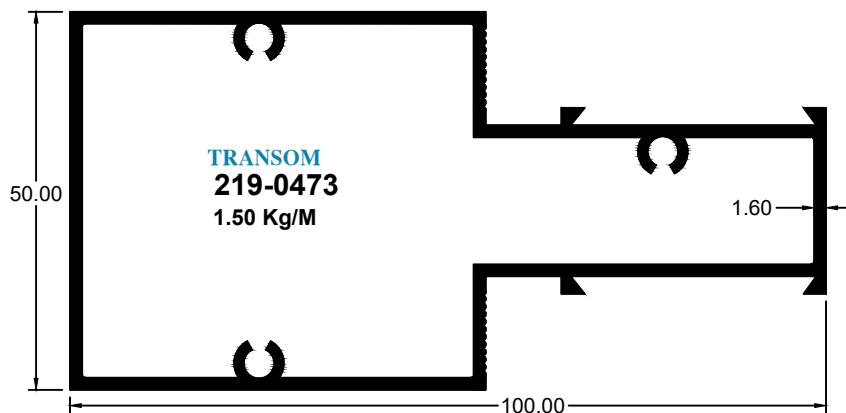
HAD 100 PARTITION SERIES



SINGLE GLAZE BEADING
219-0460
0.20 Kg/M

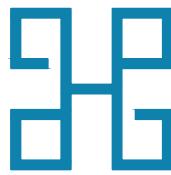


For glass size (6 - 10) mm
(Gasket sizes vary depending on the preferred glass size)



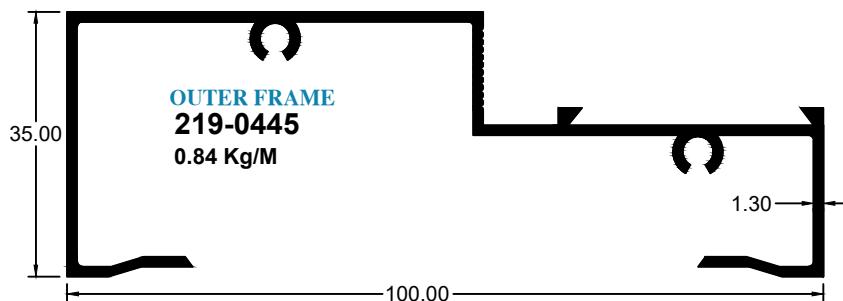
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



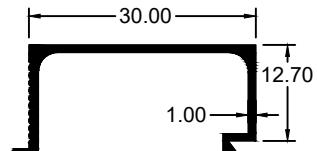
HYDRO ALUMINIUM LTD

HAD 100 PARTITION SERIES

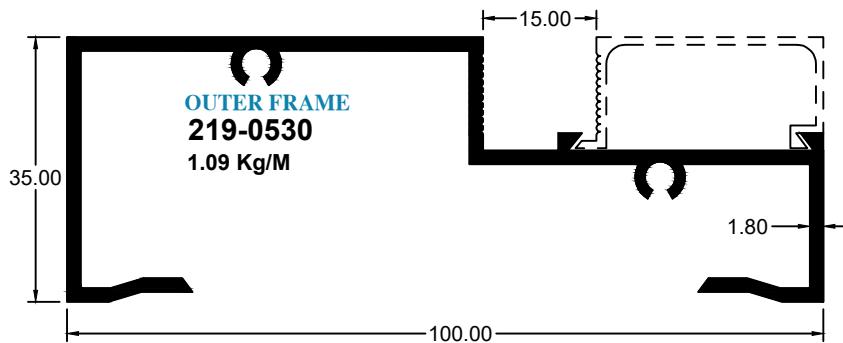


OUTER FRAME
219-0445
0.84 Kg/M

SINGLE GLAZE BEADING
219-0460
0.20 Kg/M

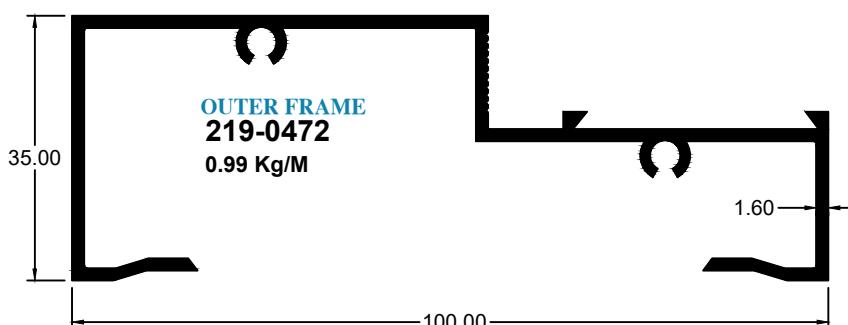


For glass size (6 - 10) mm
(Gasket sizes vary depending on the preferred glass size)

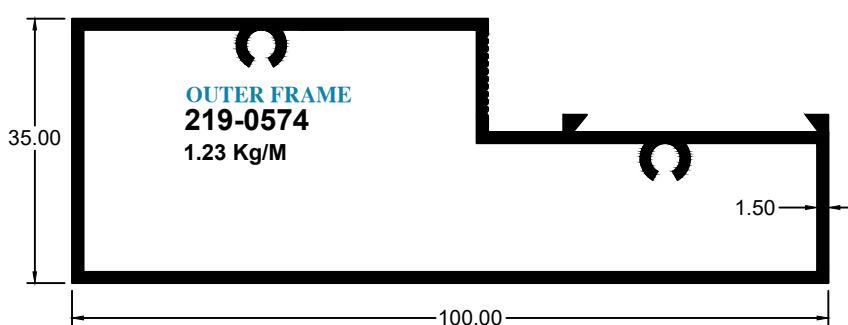
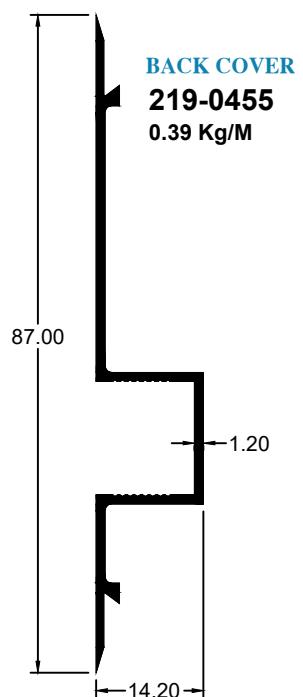


OUTER FRAME
219-0530
1.09 Kg/M

BACK COVER
219-0455
0.39 Kg/M



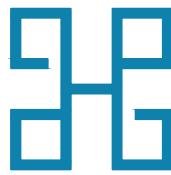
OUTER FRAME
219-0472
0.99 Kg/M



OUTER FRAME
219-0574
1.23 Kg/M

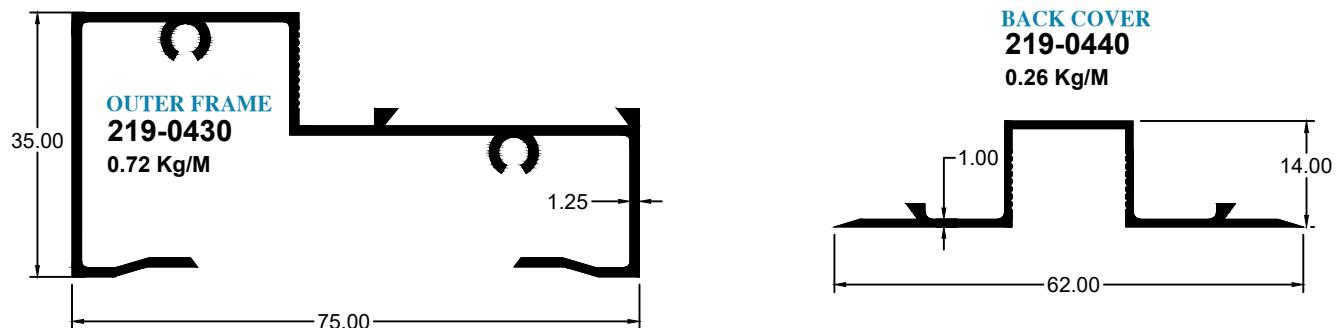
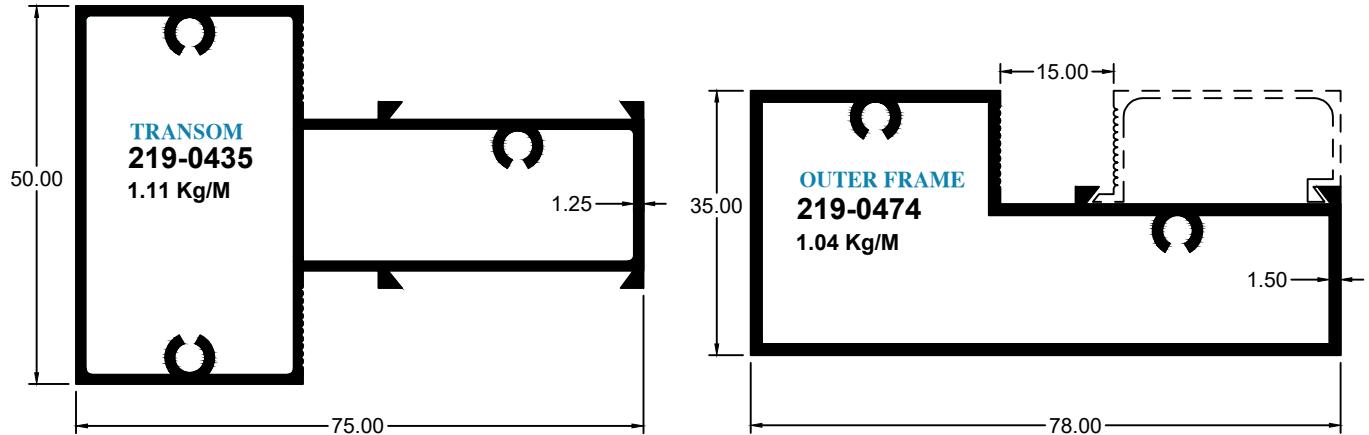
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

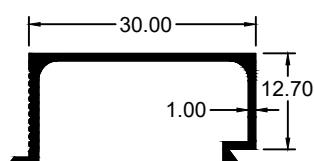


HYDRO ALUMINIUM LTD

HAD 75 PARTITION SERIES



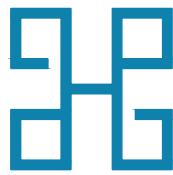
**SINGLE GLAZE
BEADING**
219-0460
0.20 Kg/M



For glass size (6 - 10) mm
(Gasket sizes vary depending
on the preferred glass size)

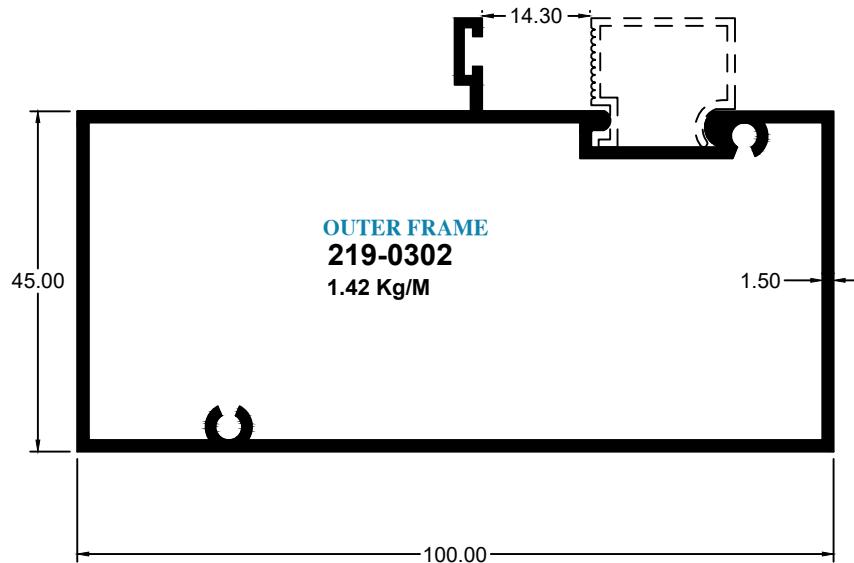
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

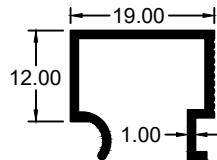


HYDRO ALUMINIUM LTD

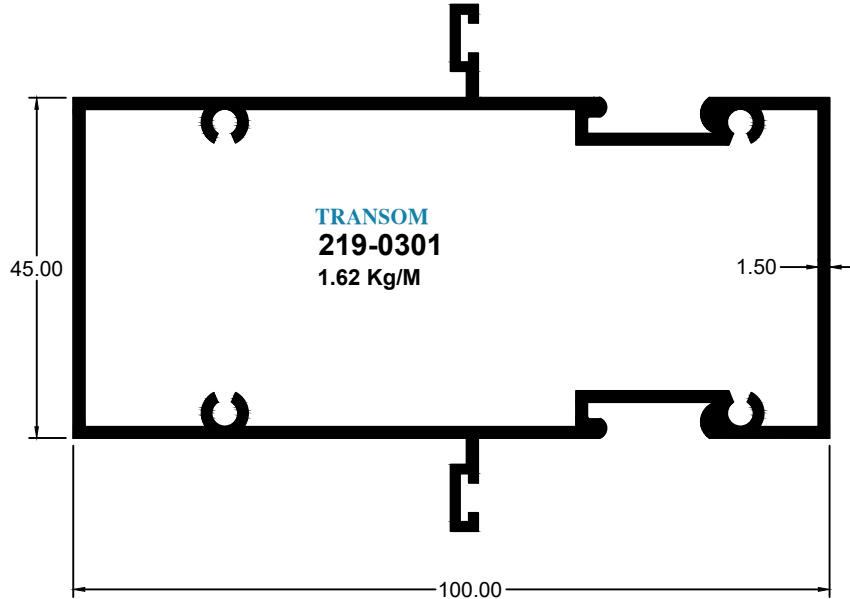
HAD PARTITION SERIES



SINGLE GLAZE
BEADING
219-0340
0.17 Kg/M

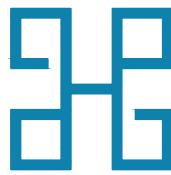


For glass size (6 - 10) mm
(Gasket sizes vary depending
on the preferred glass size)



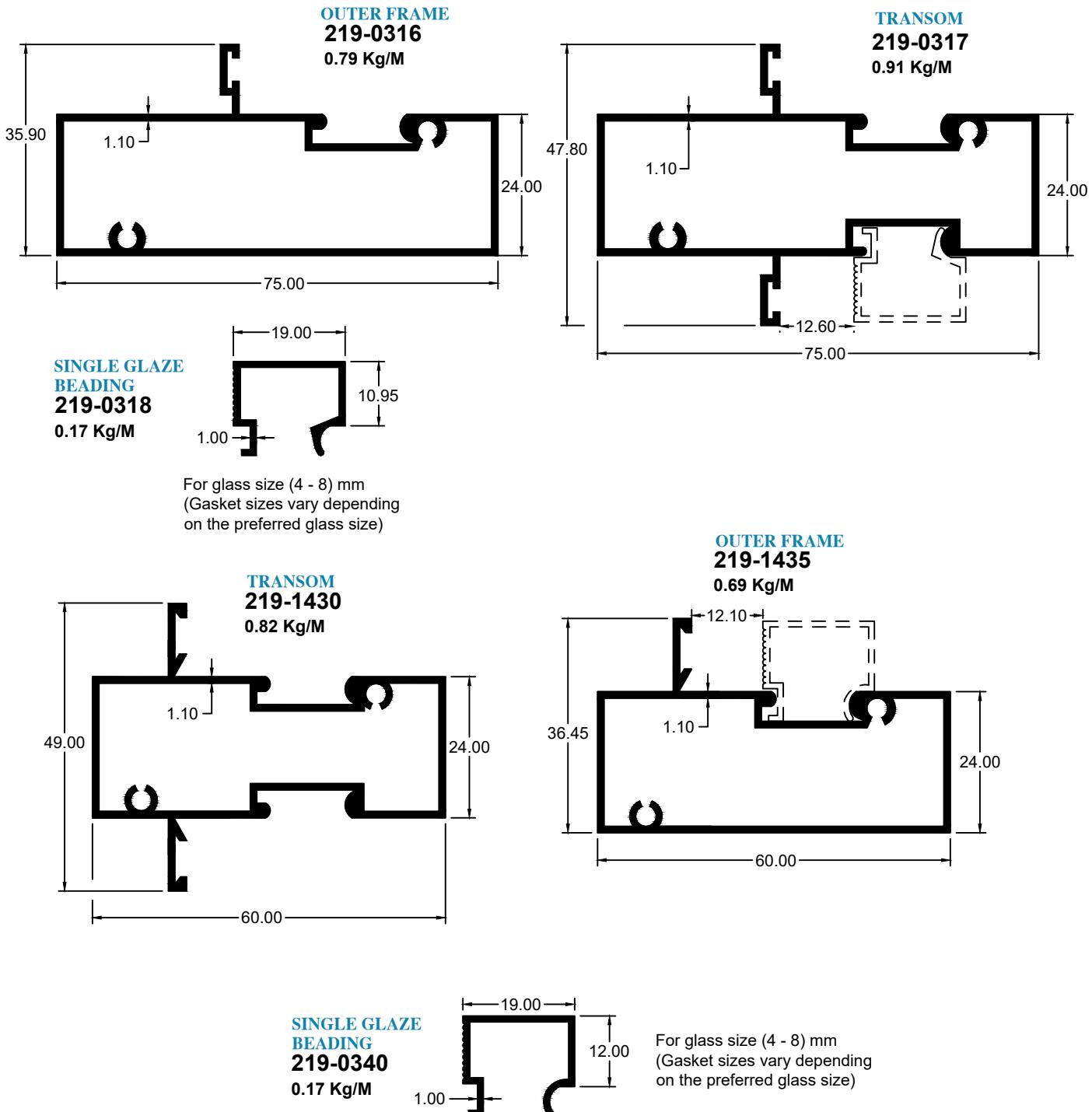
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



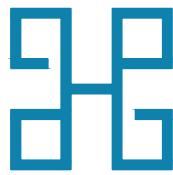
HYDRO ALUMINIUM LTD

HAD PARTITION SERIES



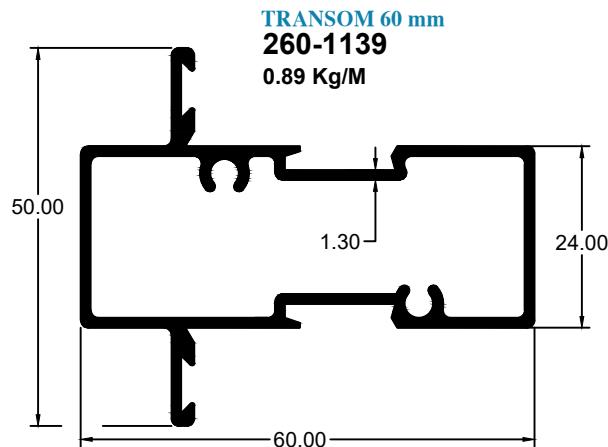
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

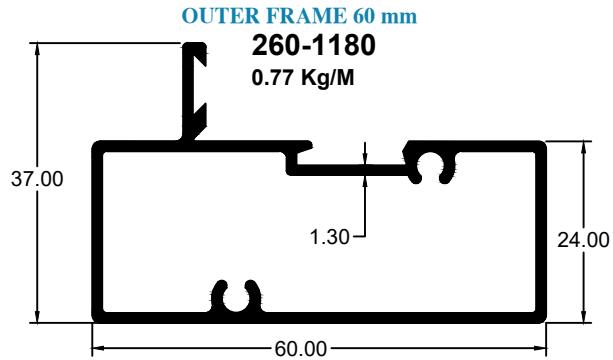


HYDRO ALUMINIUM LTD

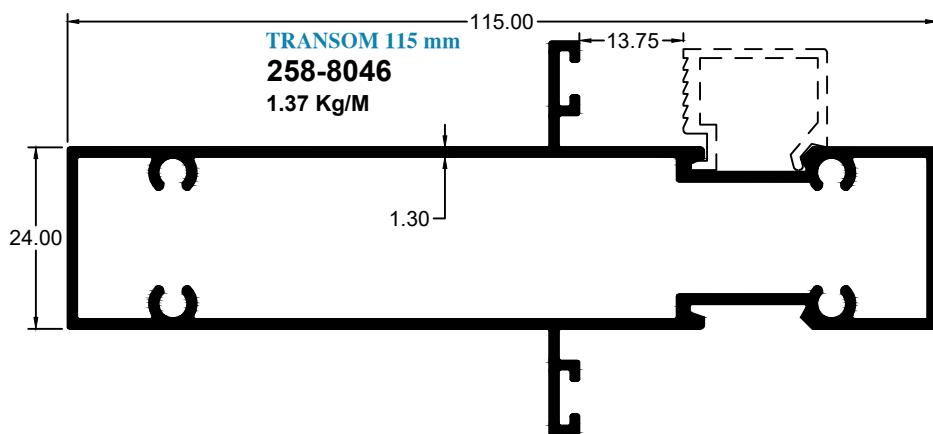
FIXED PARTITION SERIES



TRANSOM 60 mm
260-1139
0.89 Kg/M

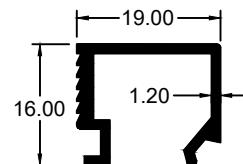


OUTER FRAME 60 mm
260-1180
0.77 Kg/M

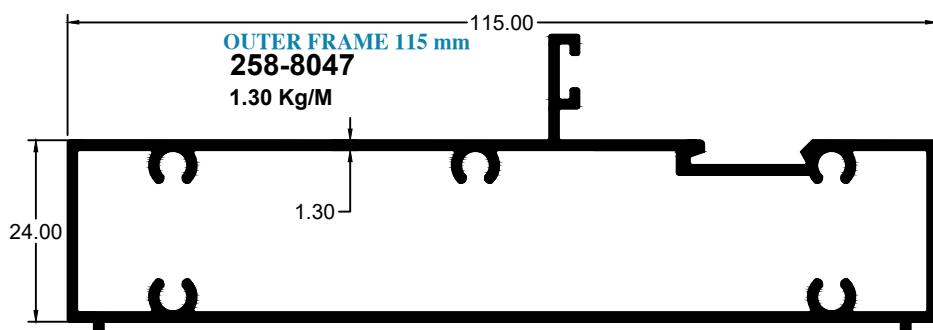


TRANSOM 115 mm
258-8046
1.37 Kg/M

SINGLE GLAZE BEADING
260-1142
0.22 Kg/M



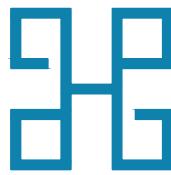
For glass size (6 - 10) mm
(Gasket sizes vary depending on the preferred glass size)



OUTER FRAME 115 mm
258-8047
1.30 Kg/M

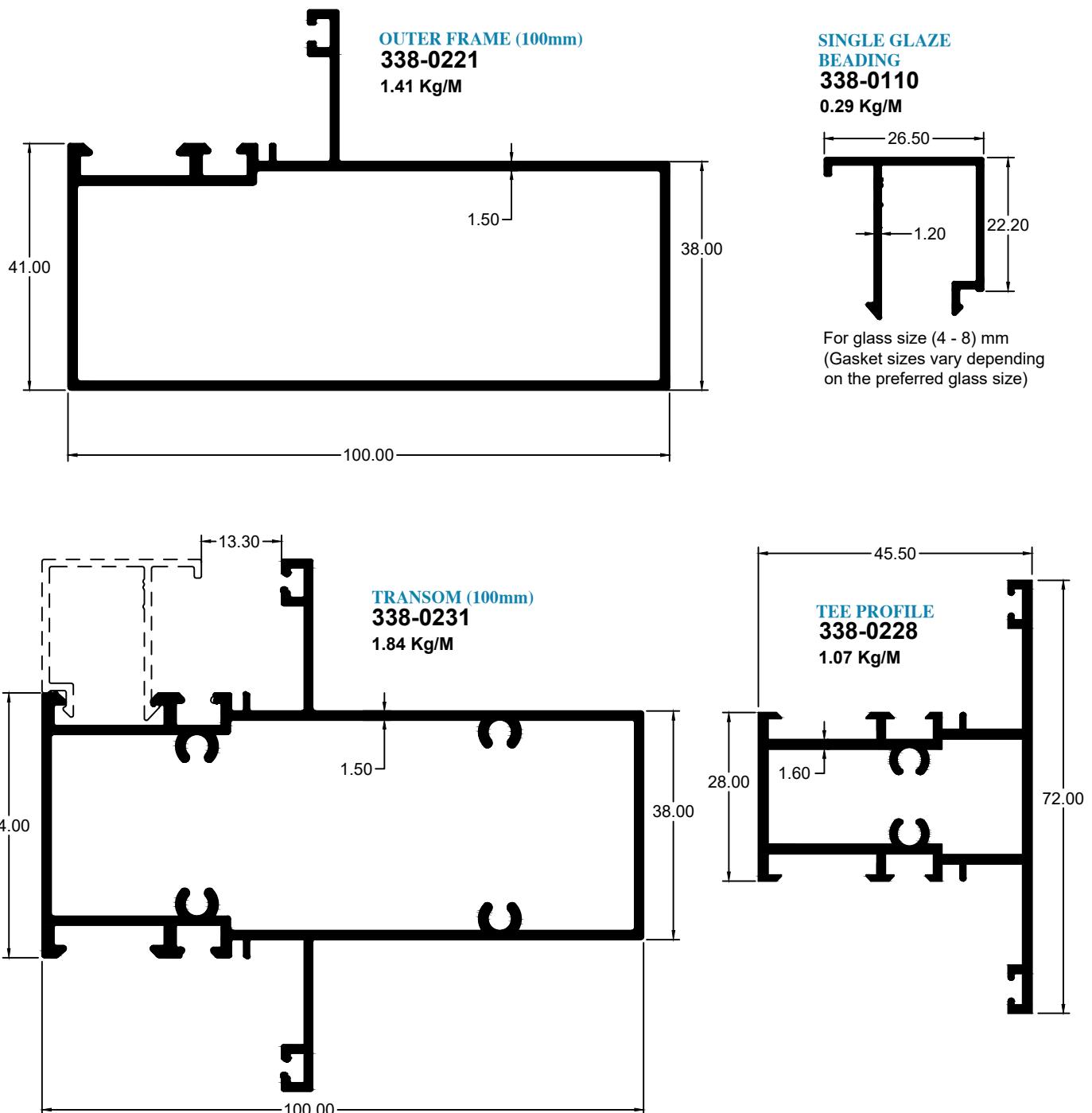
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



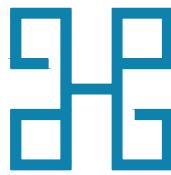
HYDRO ALUMINIUM LTD

FIXED 100 PARTITION SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

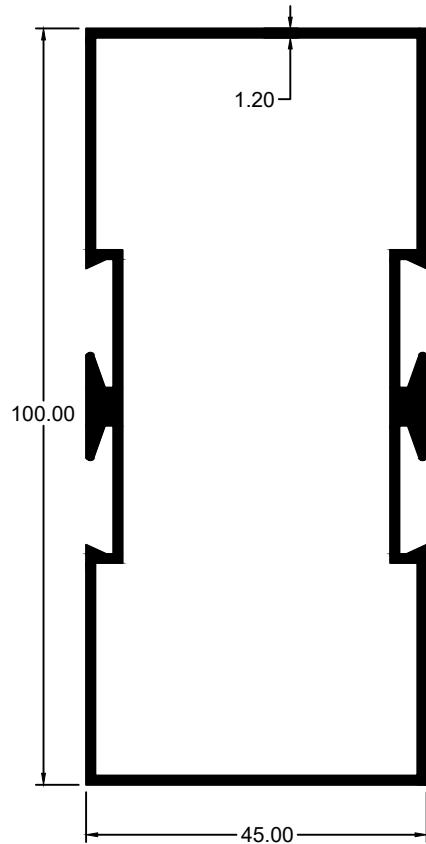
Disclaimer: The right to make alterations is reserved to HAL.



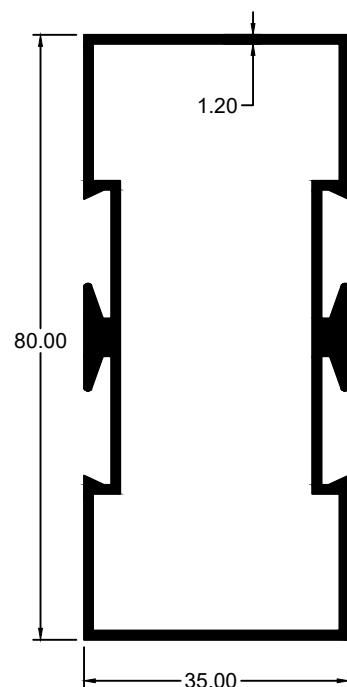
HYDRO ALUMINIUM LTD

HAD DOUBLE BEADING PARTITION SERIES

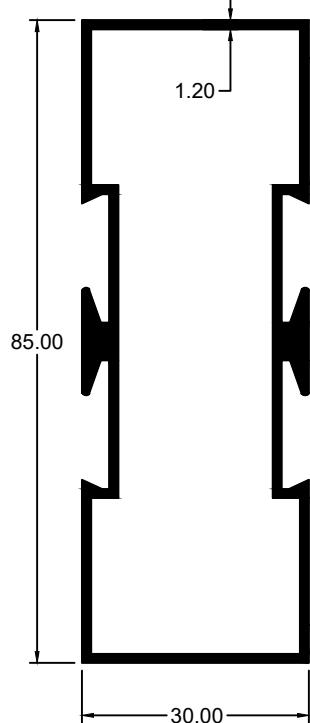
**DOUBLE BEADING
PARTITION 100 mm
219-0415
1.23 Kg/M**



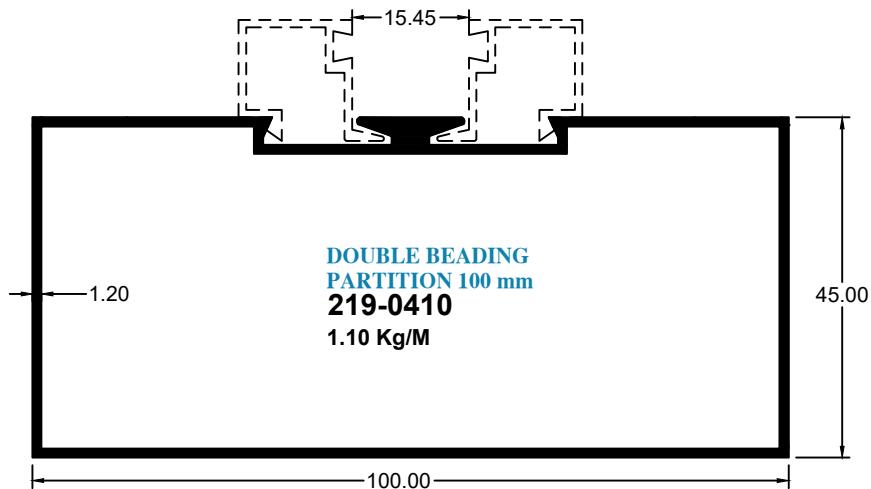
**DOUBLE BEADING
PARTITION 80 mm
219-0420
1.03 Kg/M**



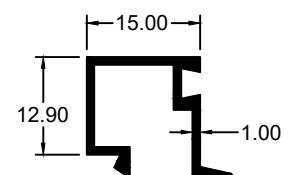
**DOUBLE BEADING
PARTITION 85 mm
219-0425
1.03 Kg/M**



**DOUBLE BEADING
PARTITION 100 mm
219-0410
1.10 Kg/M**



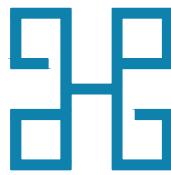
**SINGLE GLAZE
BEADING
215-8045
0.18 Kg/M**



For glass size (4 - 10) mm
(Gasket sizes vary depending
on the preferred glass size)

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

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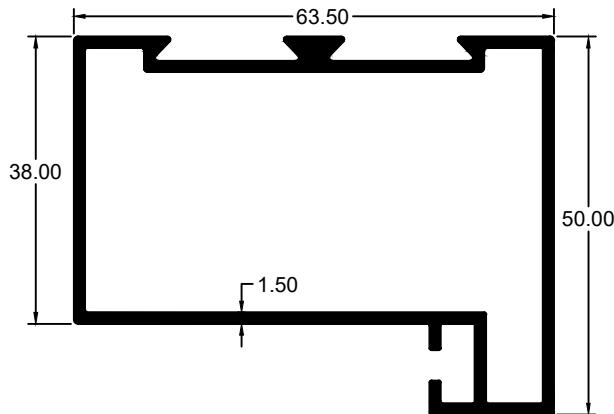
HYDRO ALUMINIUM LTD

63 DOUBLE BEADING PARTITION

DOUBLE BEADING WITH
DOOR PARTITION 63.5 mm

256-8007

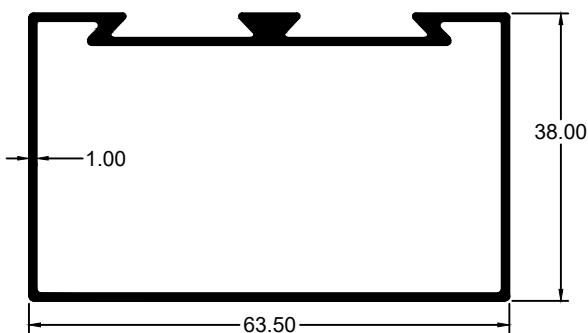
1.10 Kg/M



DOUBLE BEADING OUTER
PARTITION 63.5 mm

256-8008

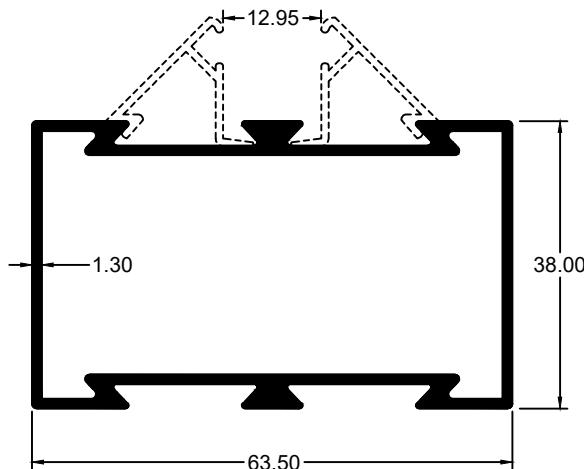
0.68 Kg/M



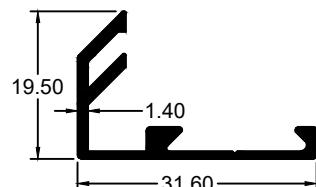
DOUBLE BEADING TRANSOM
PARTITION 63.5 mm

256-8001

0.99 Kg/M



BUTTERFLY
258-3004
0.26 Kg/M

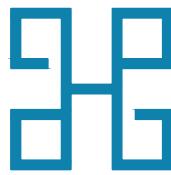


SINGLE GLAZE
BEADING
256-8003
0.13 Kg/M



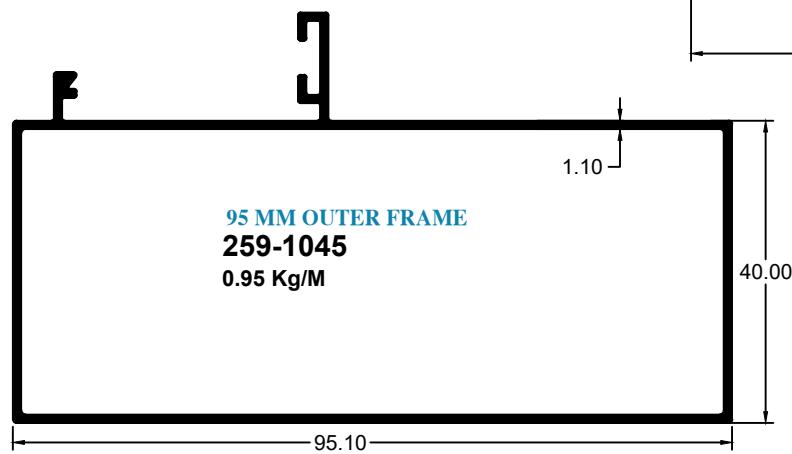
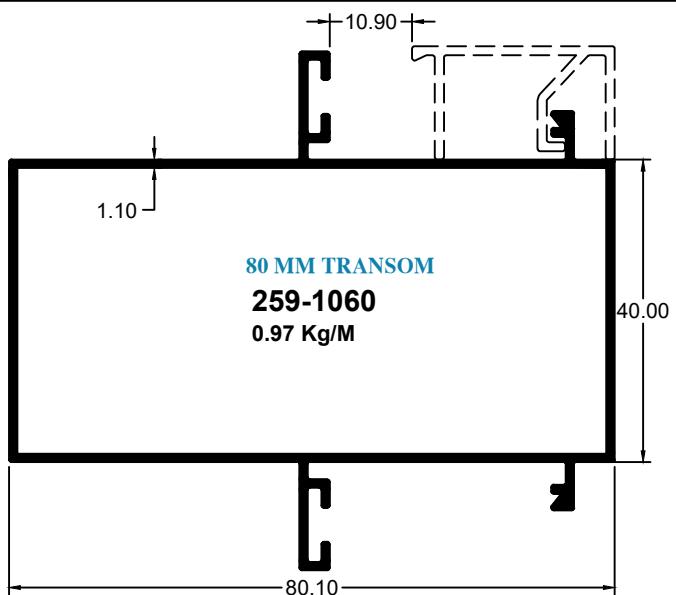
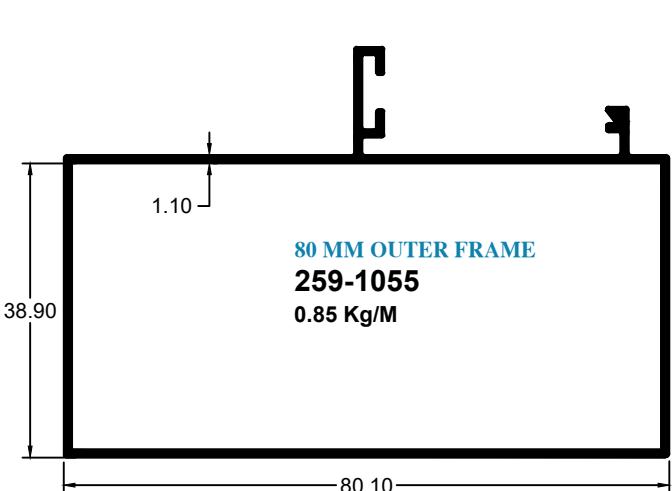
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.

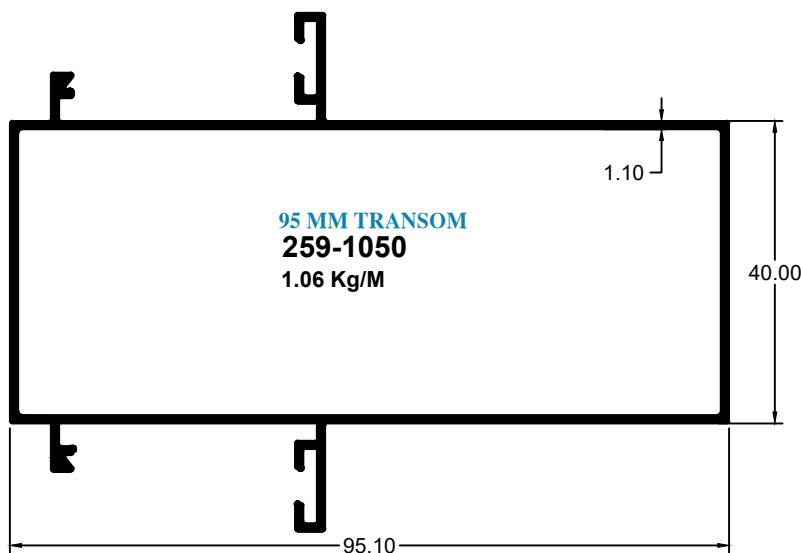
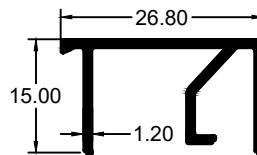


HYDRO ALUMINIUM LTD

HYD PARTITION SERIES



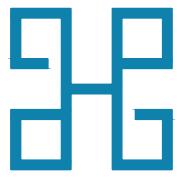
SINGLE GLAZE
BEADING
259-1065
0.25 Kg/M



For glass size (4 - 6) mm
(Gasket sizes vary depending
on the preferred glass size)

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

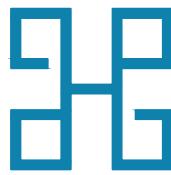
Disclaimer: The right to make alterations is reserved to HAL.



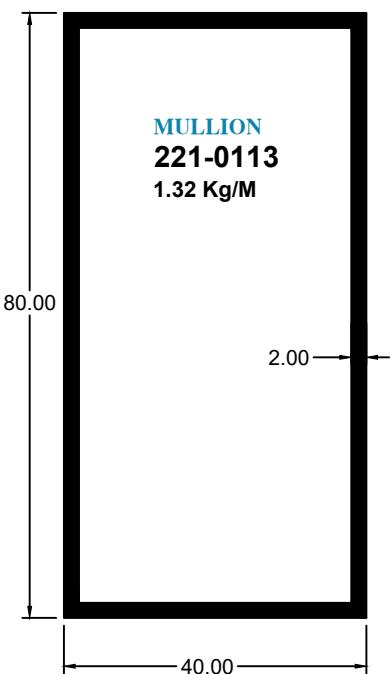
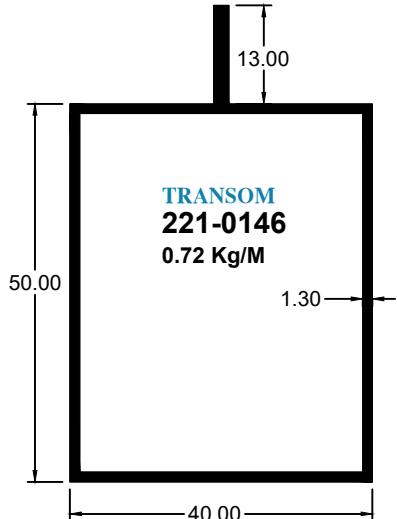
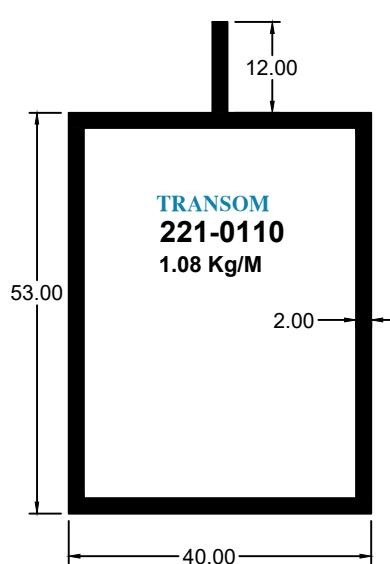
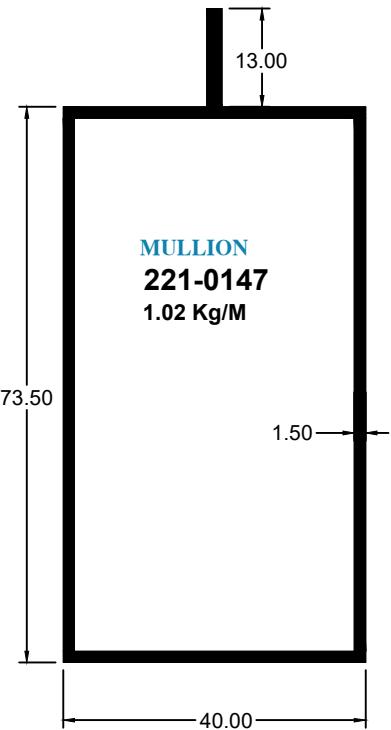
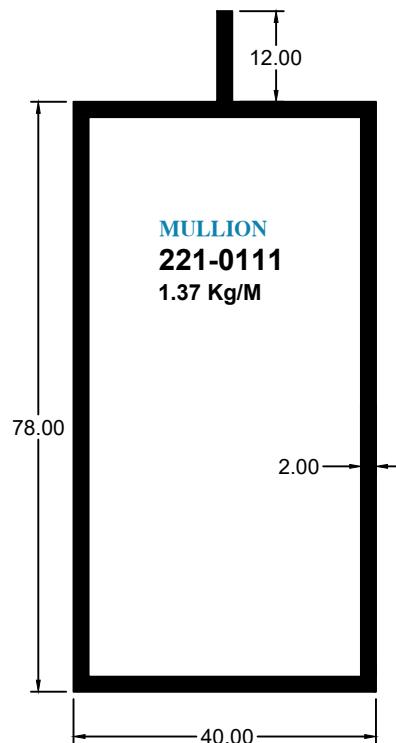
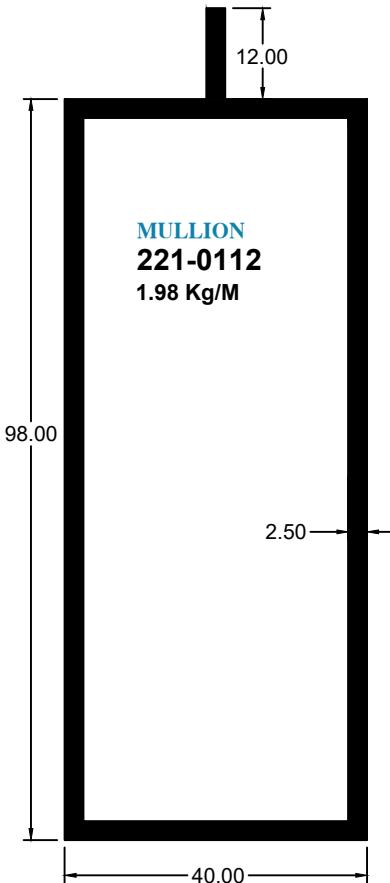
HYDRO ALUMINIUM LTD

FACADES

**CURTAIN
WALLING**

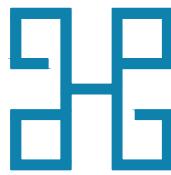


FAÇADE 40 SERIES



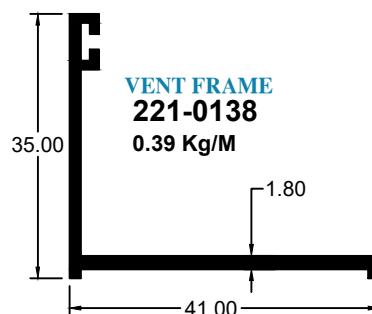
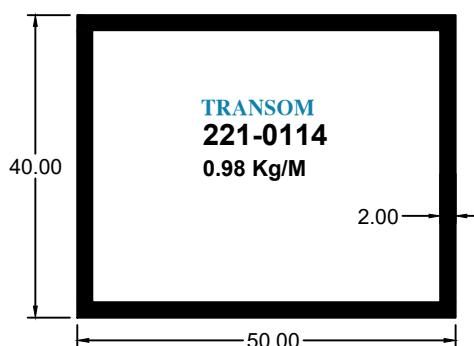
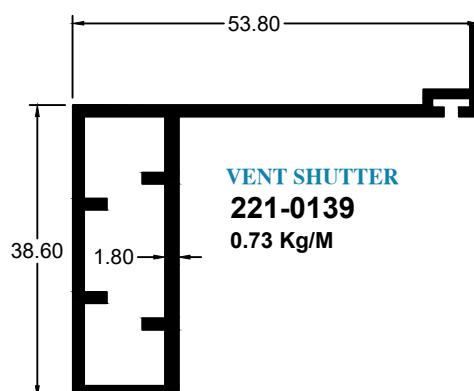
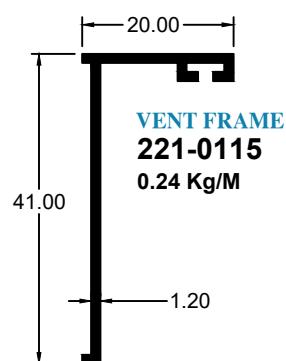
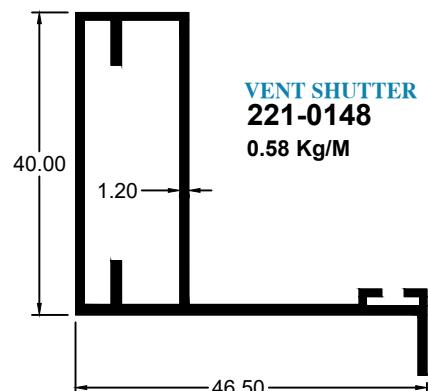
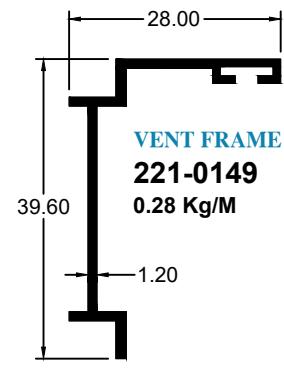
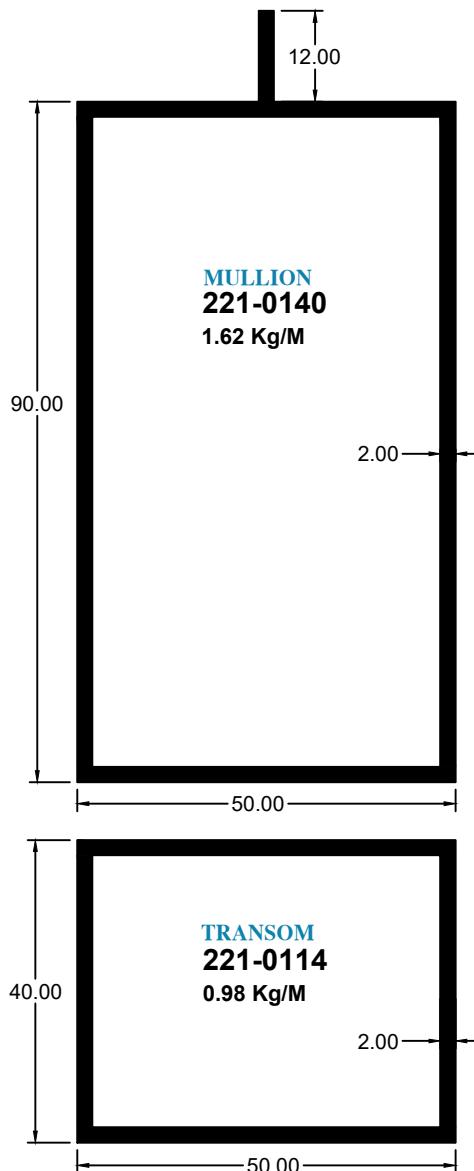
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



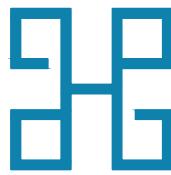
HYDRO ALUMINIUM LTD

FACADE 40 SERIES



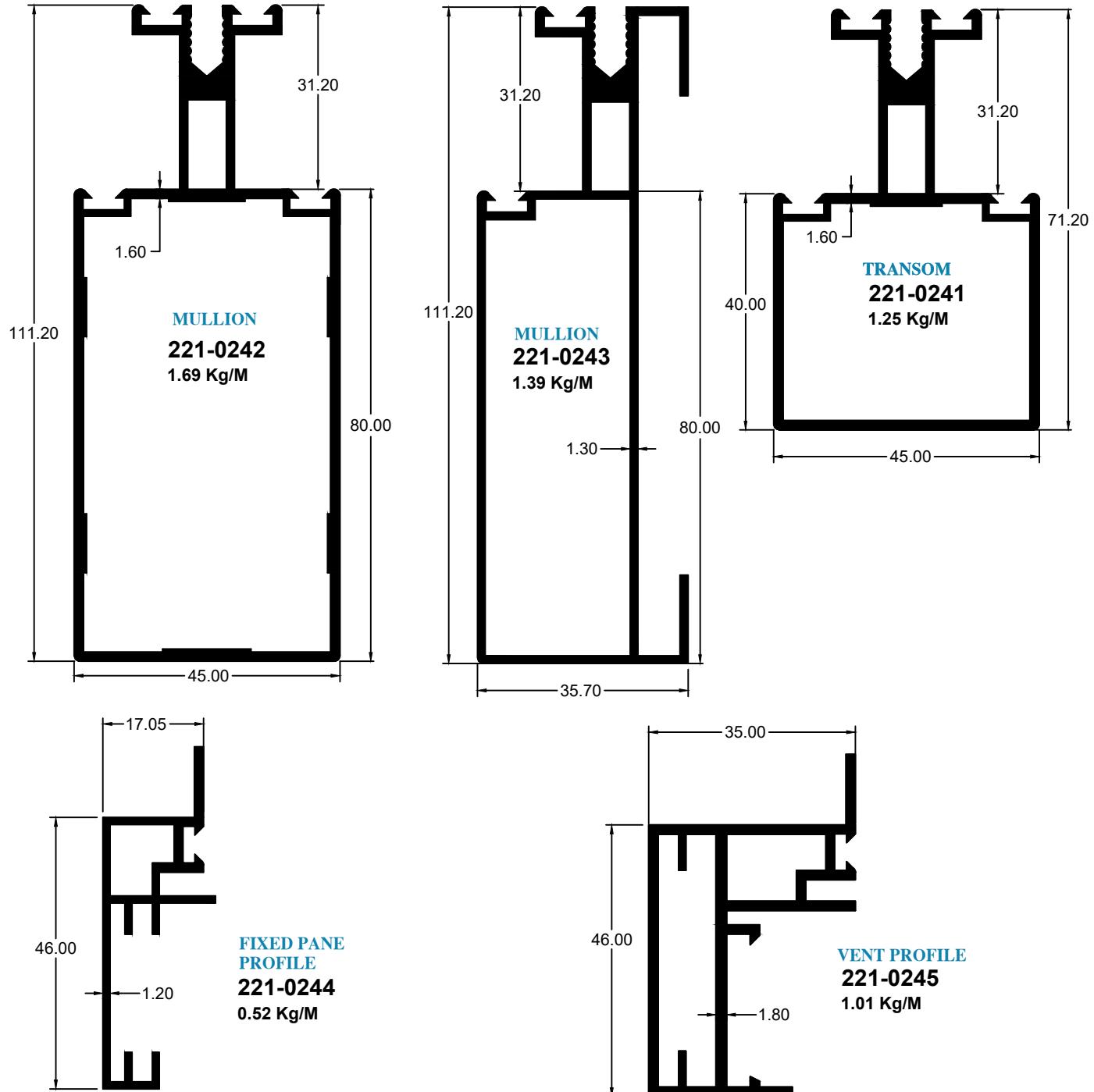
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

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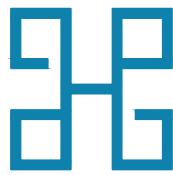
HYDRO ALUMINIUM LTD

FLASH-GLAZING 45 SERIES



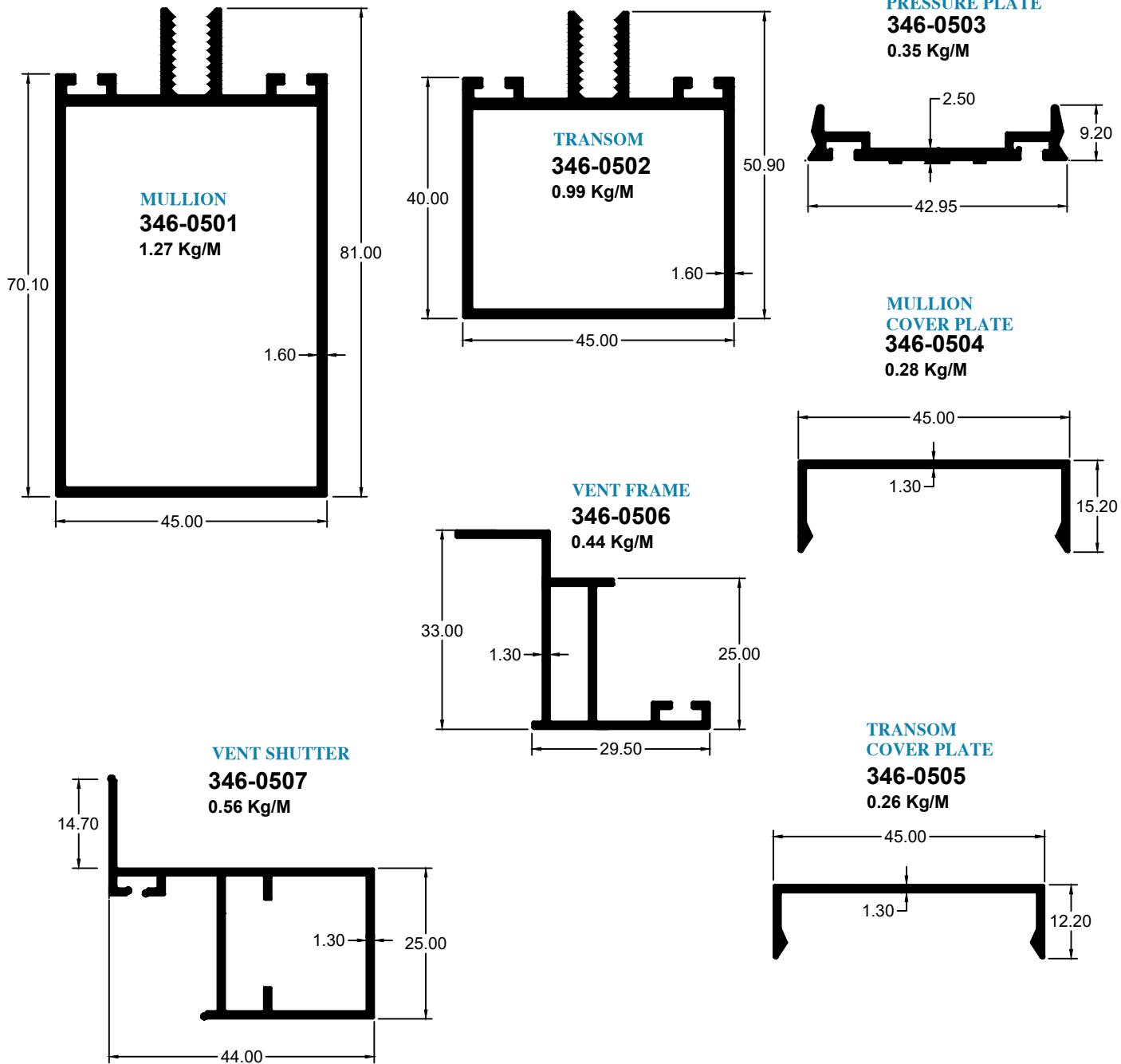
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



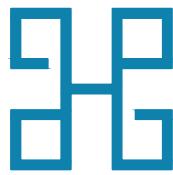
HYDRO ALUMINIUM LTD

FACADE 45 SERIES



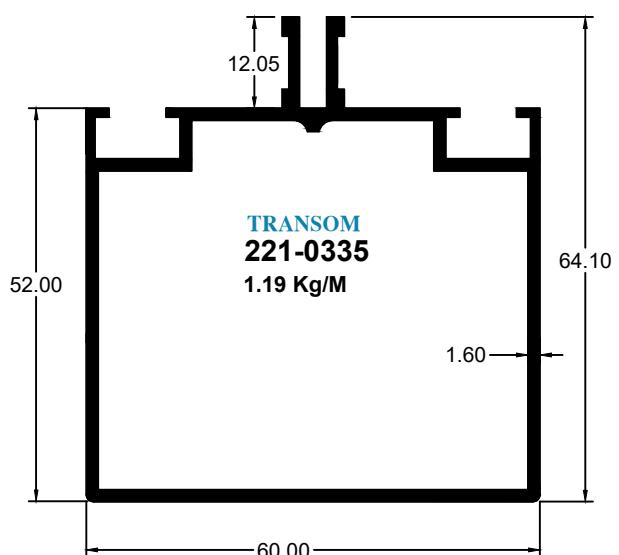
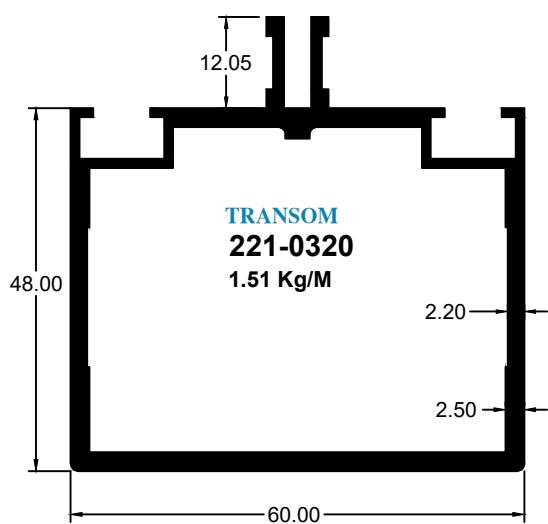
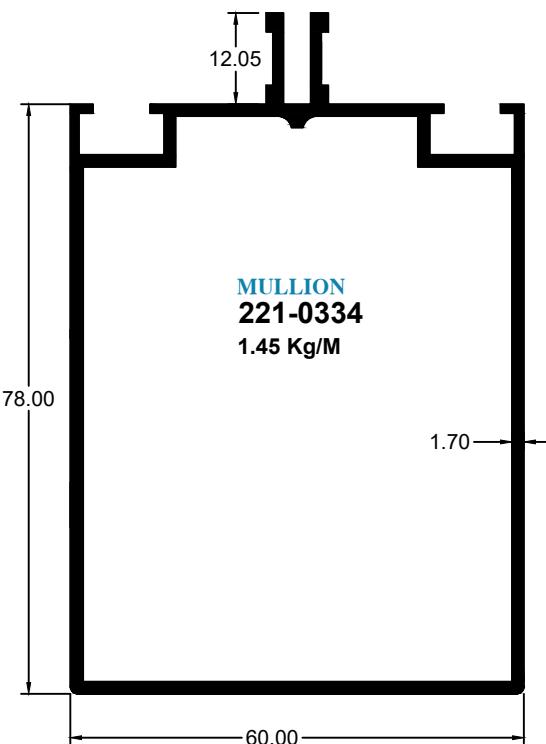
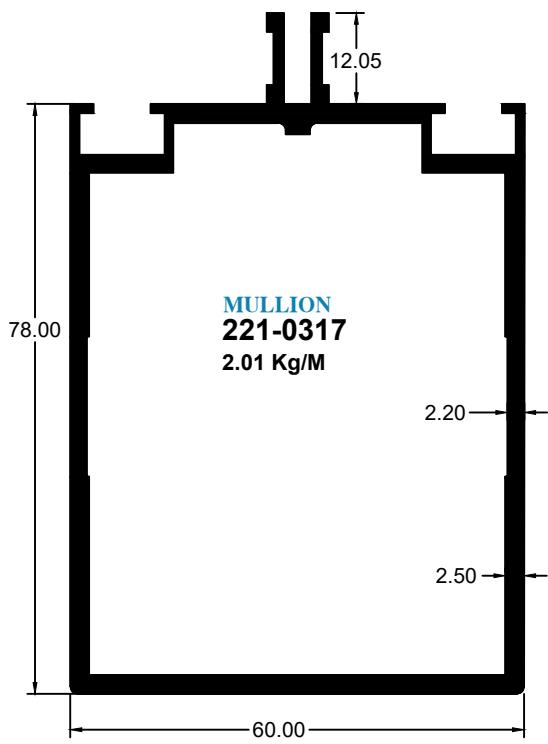
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

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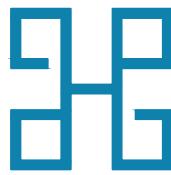
HYDRO ALUMINIUM LTD

FACADE 60 SERIES



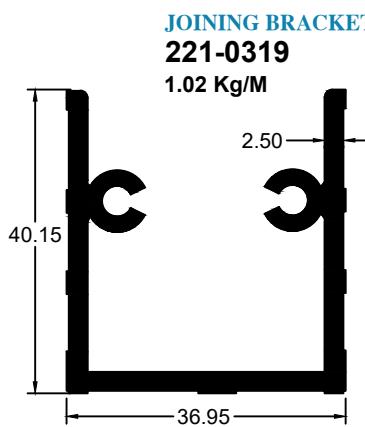
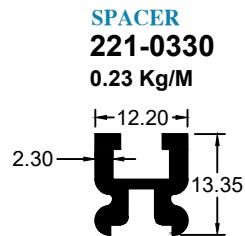
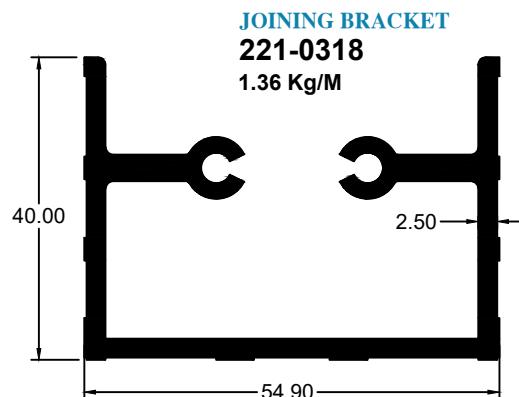
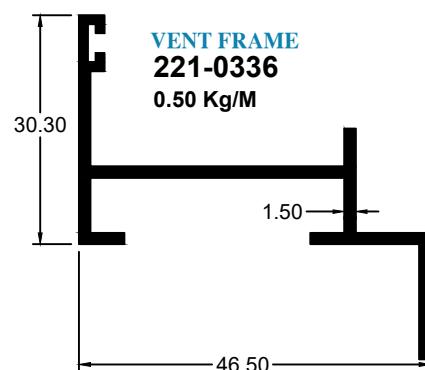
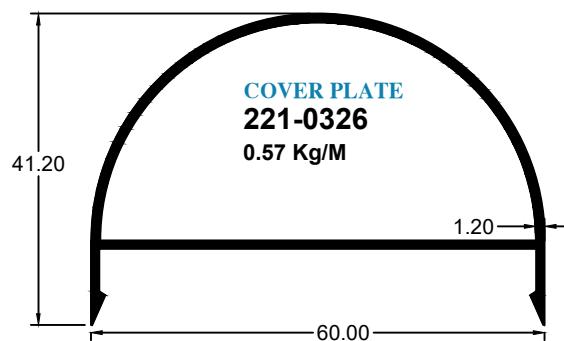
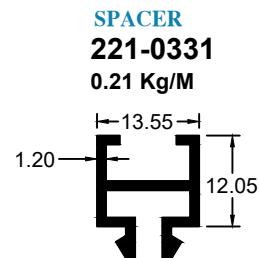
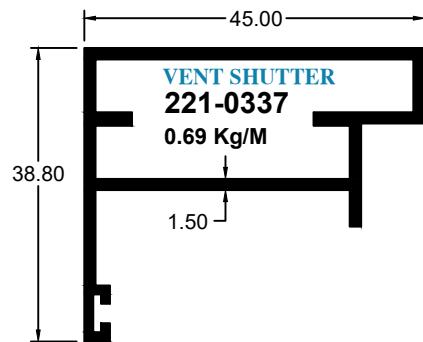
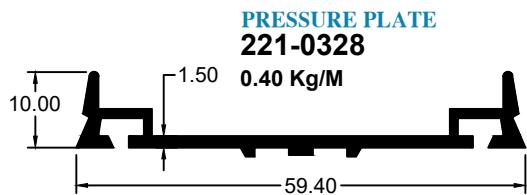
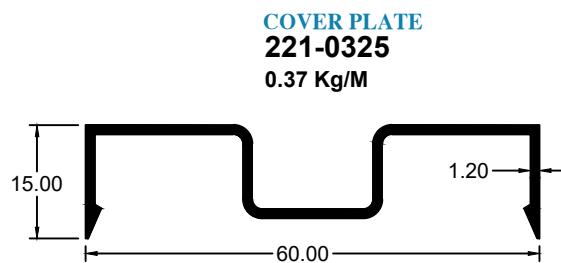
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



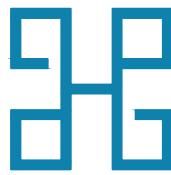
HYDRO ALUMINIUM LTD

FACADE 60 SERIES



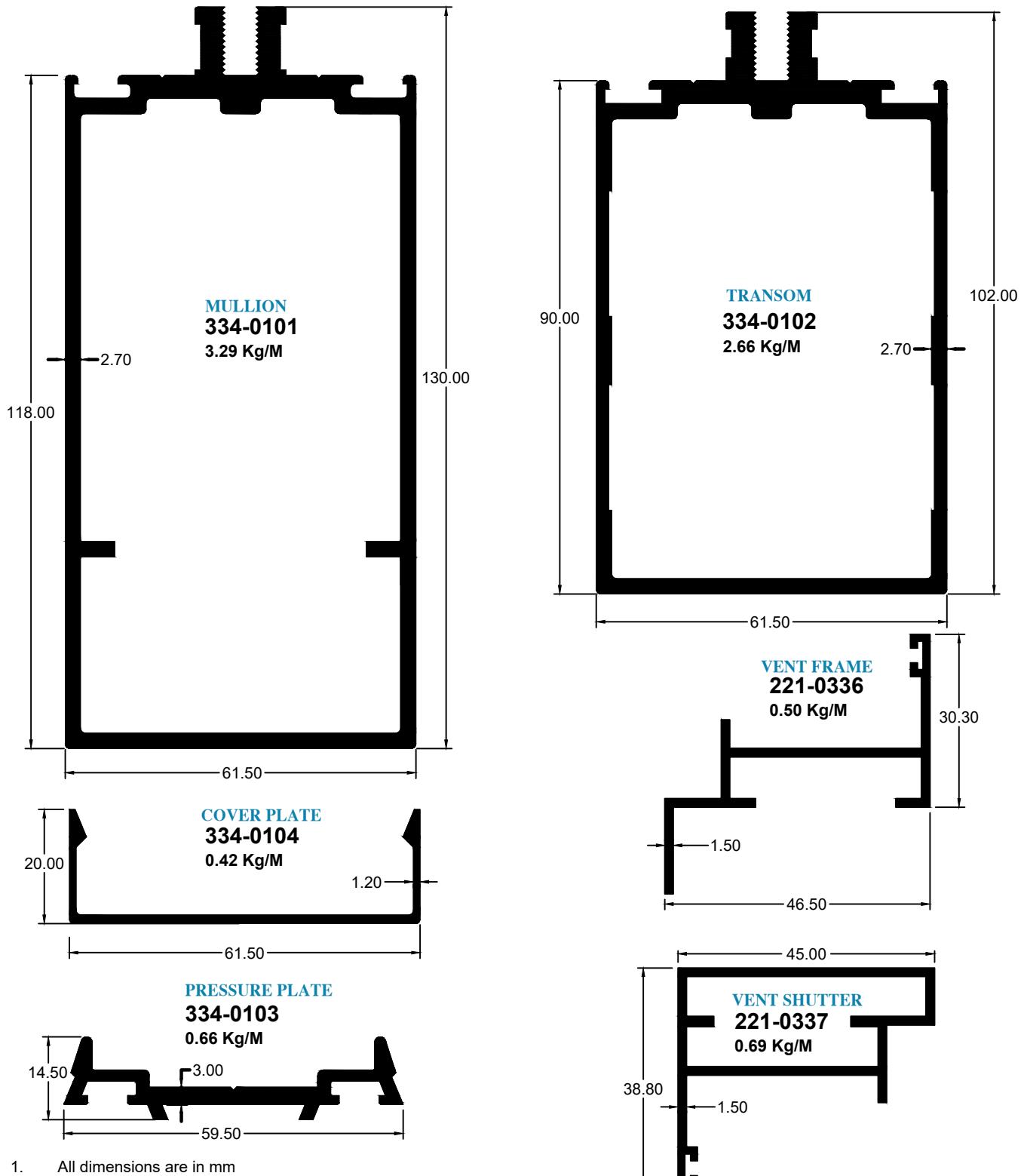
1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.



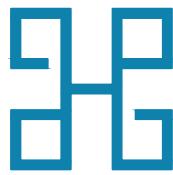
HYDRO ALUMINIUM LTD

FACADE 60 DELUXE SERIES



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer: The right to make alterations is reserved to HAL.



HYDRO ALUMINIUM LTD

JOINING CLEATS

LADDERS

AUTOMOTIVE

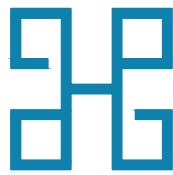
LOUVRES

SUN BREAKERS

ROLLING SHUTTERS

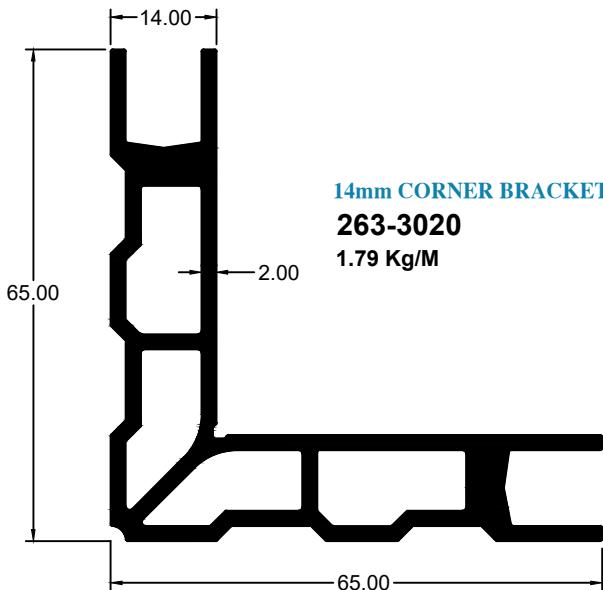
SOLAR

GENERAL PROFILES

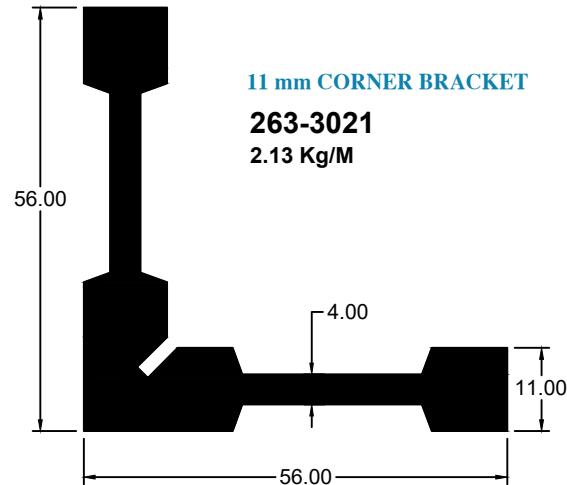


HYDRO ALUMINIUM LTD

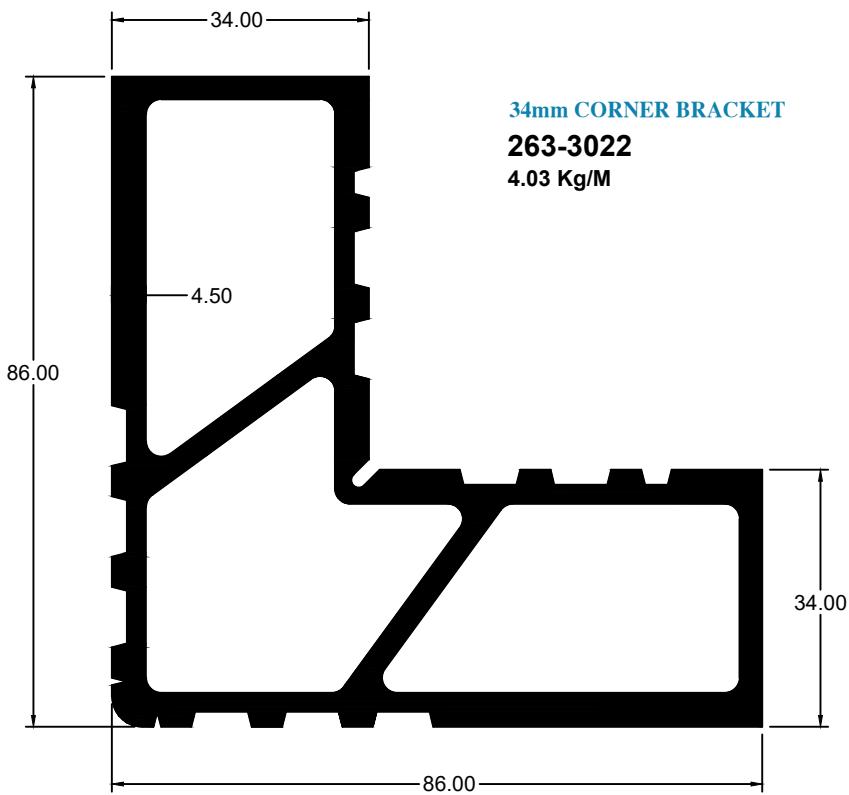
JOINING CLEATS



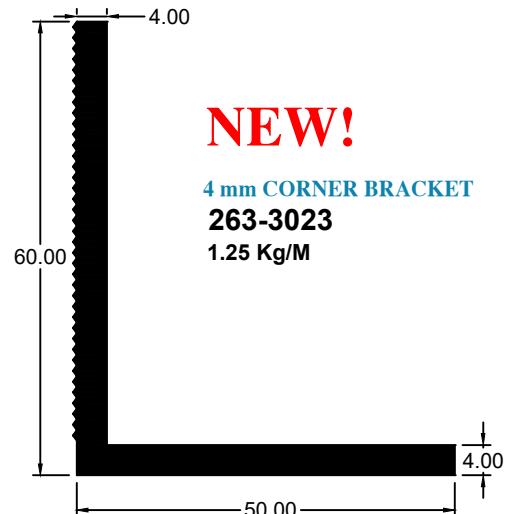
14mm CORNER BRACKET
263-3020
1.79 Kg/M



11 mm CORNER BRACKET
263-3021
2.13 Kg/M



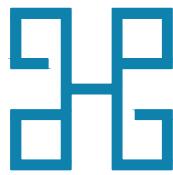
34mm CORNER BRACKET
263-3022
4.03 Kg/M



NEW!
4 mm CORNER BRACKET
263-3023
1.25 Kg/M

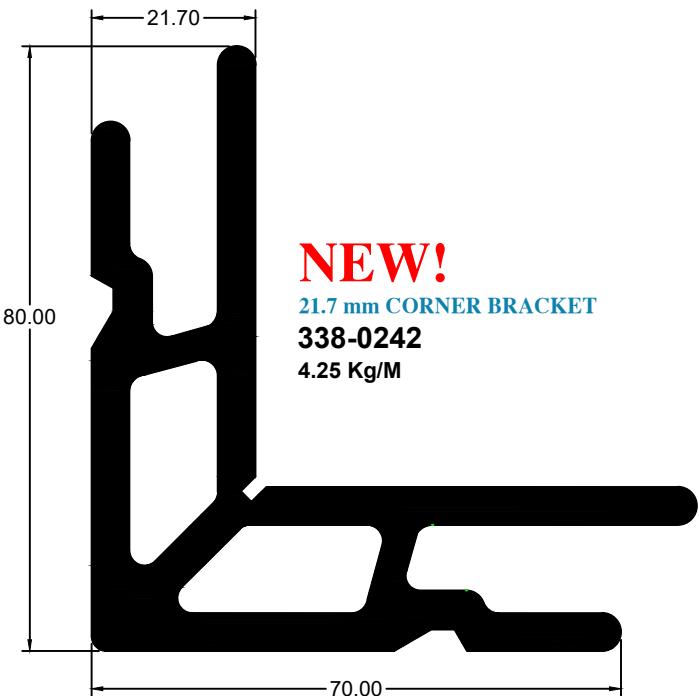
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JOINING CLEATS

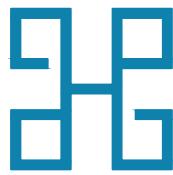


NEW!
40 mm CORNER BRACKET
338-0243
4.67 Kg/M

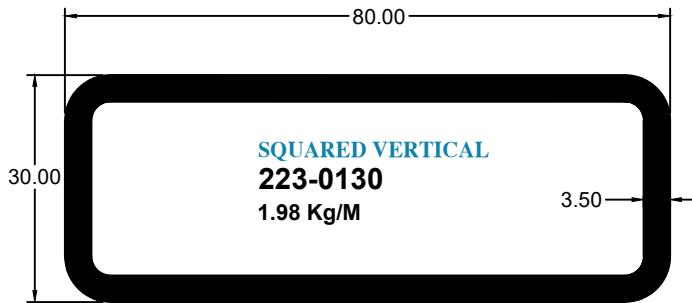


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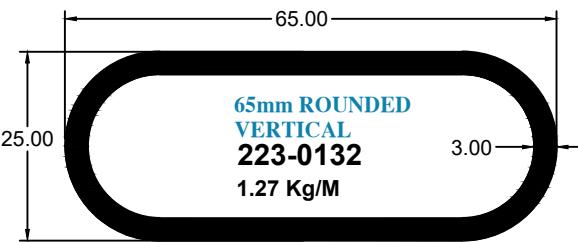
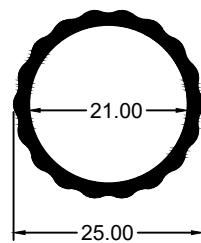
LADDER PROFILES



SQUARED VERTICAL
223-0130
1.98 Kg/M

STEPPING ROD

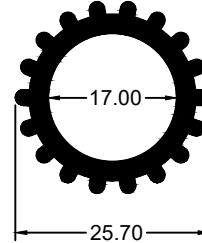
223-0131
0.36 Kg/M



**65mm ROUNDED
VERTICAL**
223-0132
1.27 Kg/M

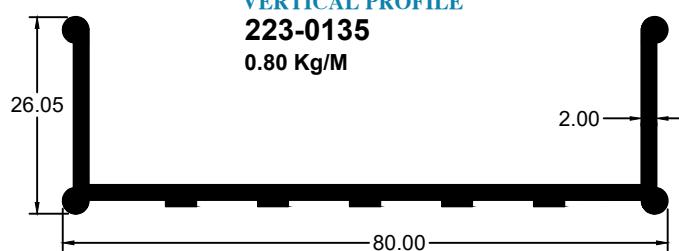
STEPPING ROD

223-0133
0.61 Kg/M

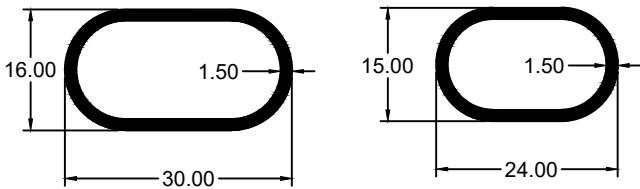


**30mm ROUNDED
VERTICAL**
223-0134
0.32 Kg/M

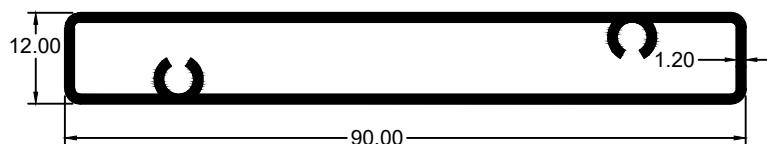
**24mm ROUNDED
VERTICAL**
223-0136
0.26 Kg/M



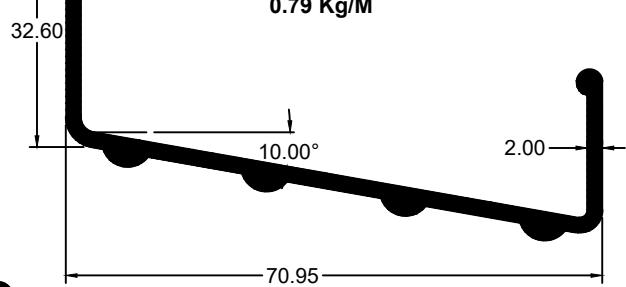
VERTICAL PROFILE
223-0135
0.80 Kg/M



**90mm RECTANGULAR
PROFILE**
223-0137
0.74 Kg/M

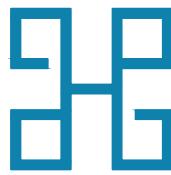


STEPPING PROFILE
223-0138
0.79 Kg/M



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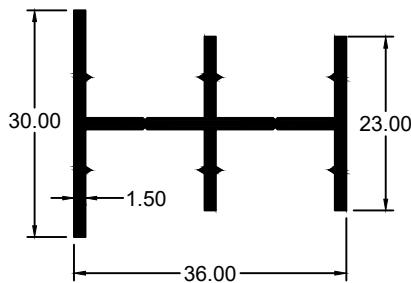
Disclaimer; The right to make alterations is reserved to HAL.



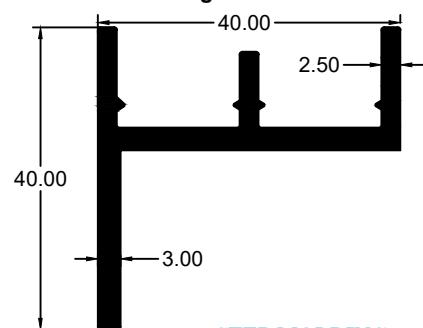
HYDRO ALUMINIUM LTD

AUTOMOTIVE WINDOW

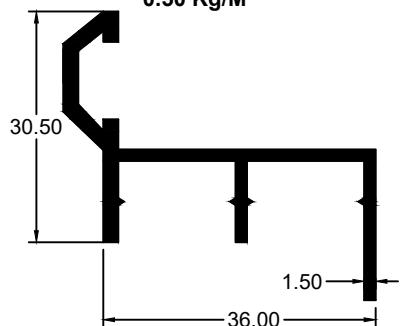
**WINDOW PARTITION
225-1050**
0.47 Kg/M



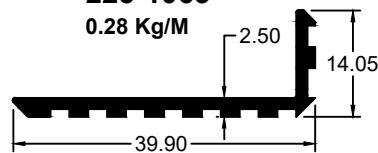
**WINDOW FRAME
225-1052**
0.81 Kg/M



**WINDOW FRAME
226-1082**
0.50 Kg/M



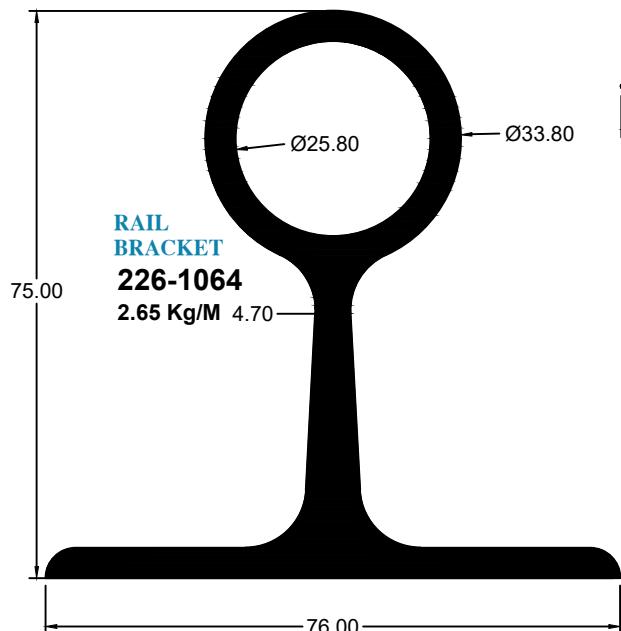
**STEP MOLDING
225-1063**
0.28 Kg/M



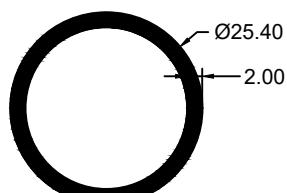
**DECORATIVE
MOLDING
226-1073**
0.10 Kg/M



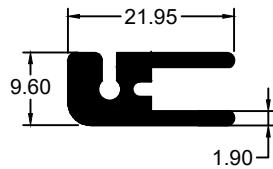
**RAIL
BRACKET
226-1064**
2.65 Kg/M 4.70



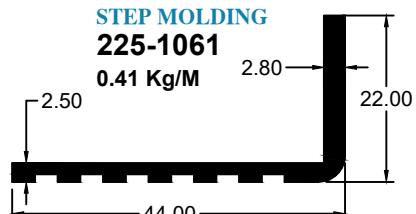
**ROUND PROFILE
225-1060**
0.42 Kg/M



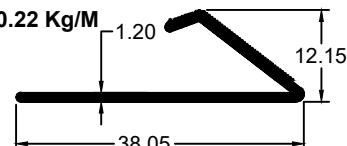
**GLASS HOLDER
225-1056**
0.36 Kg/M



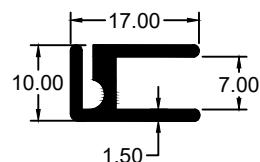
**STEP MOLDING
225-1061**
0.41 Kg/M



**CARPET END
226-1079**
0.22 Kg/M

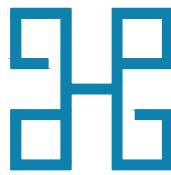


**GLASS HOLDER
226-1078**
0.22 Kg/M



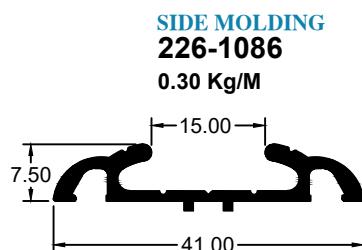
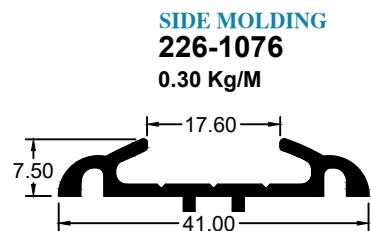
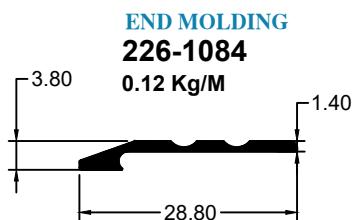
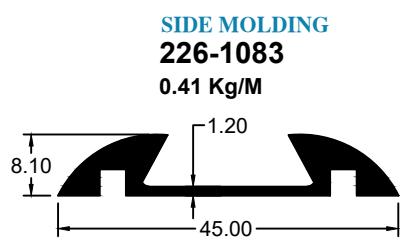
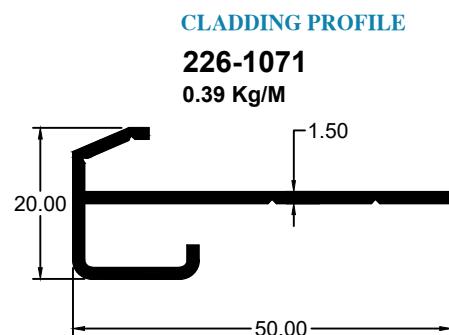
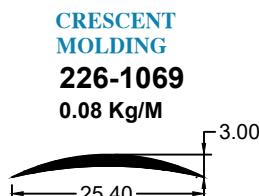
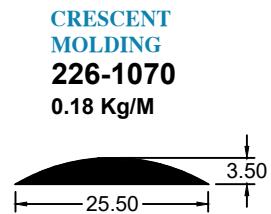
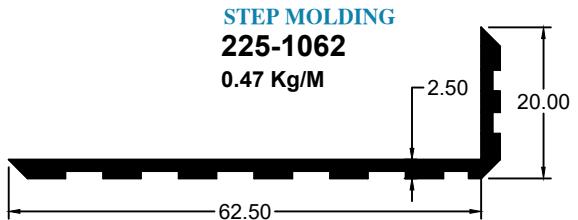
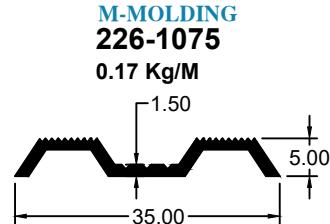
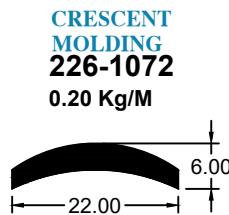
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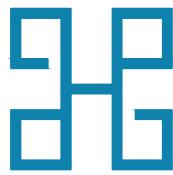
HYDRO ALUMINIUM LTD

AUTOMOTIVE BODY

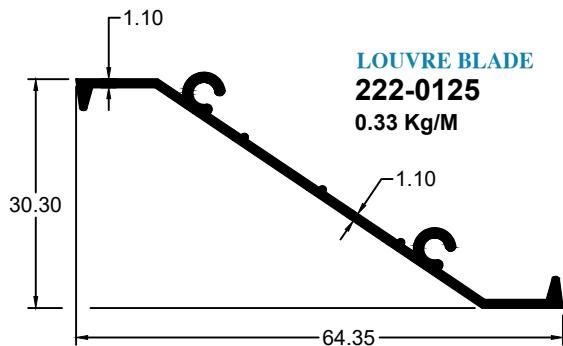


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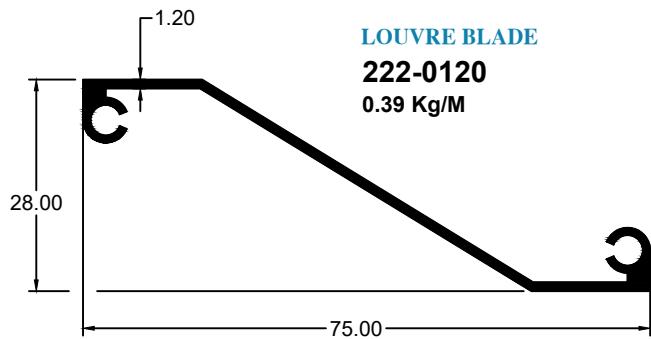
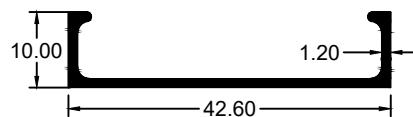
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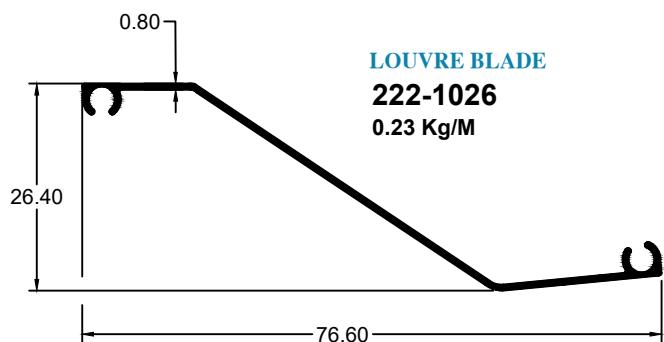
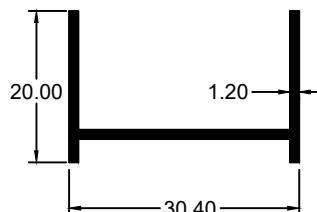
LOUVRE PROFILES



LOUVRE FRAME
222-0127
0.23 Kg/M

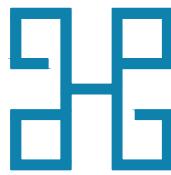


LOUVRE FRAME
222-0121
0.24 Kg/M



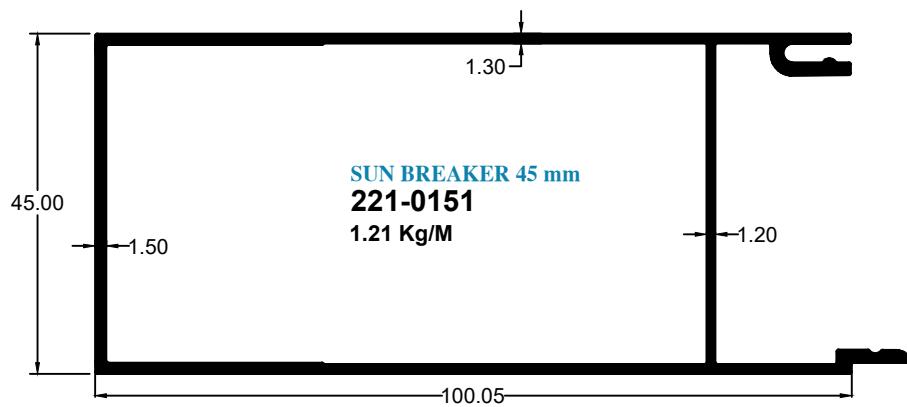
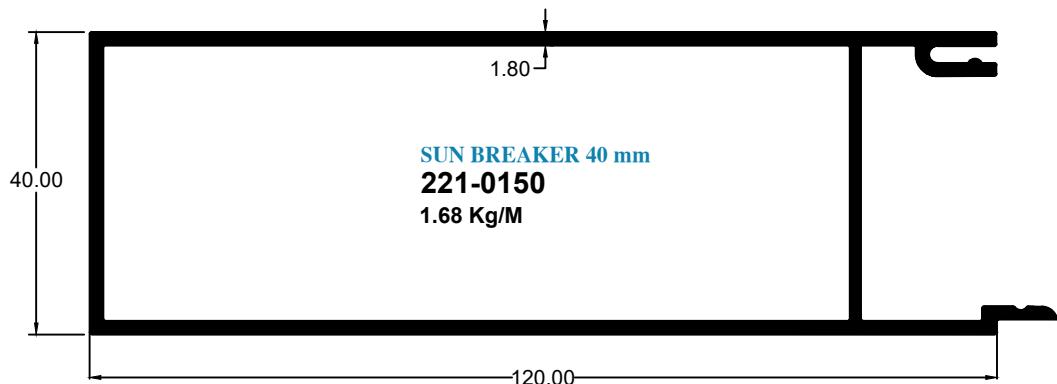
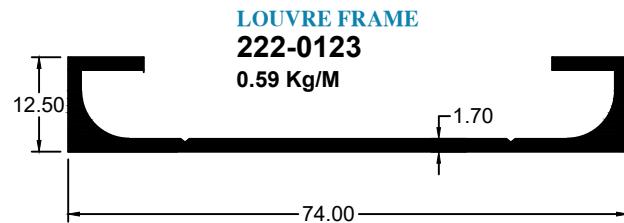
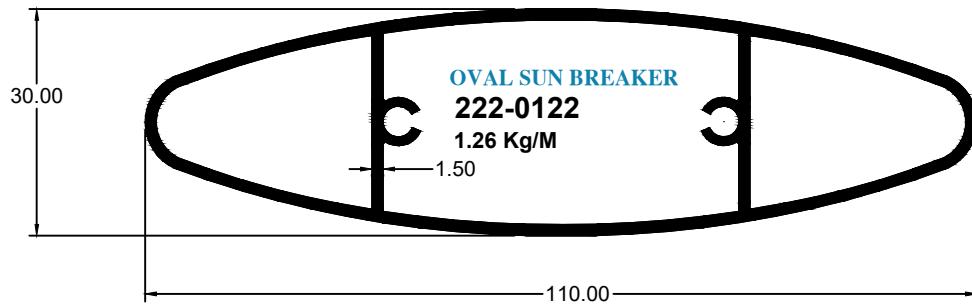
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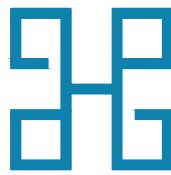
HYDRO ALUMINIUM LTD

SUN BREAKER PROFILES

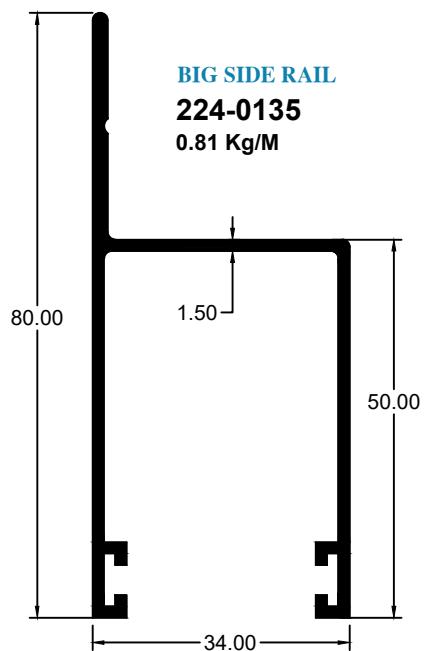
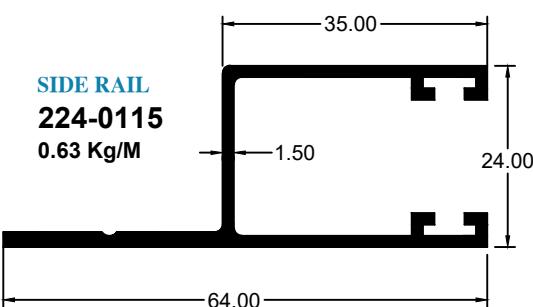
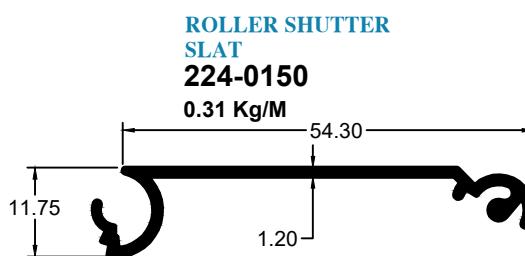
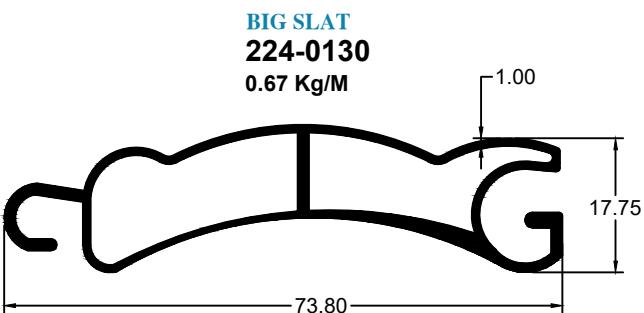
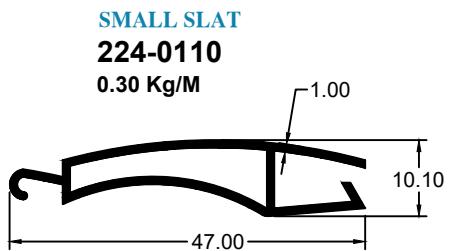
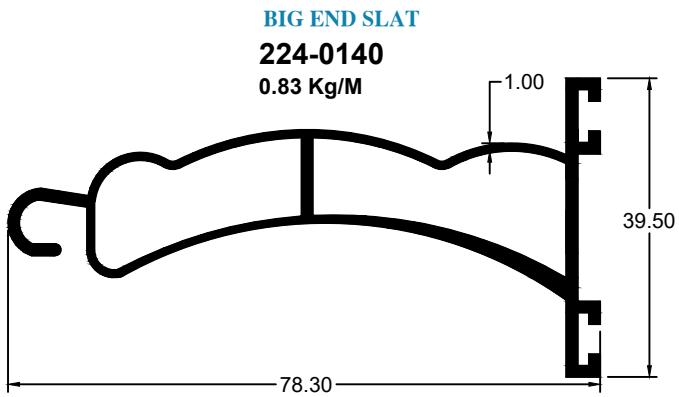
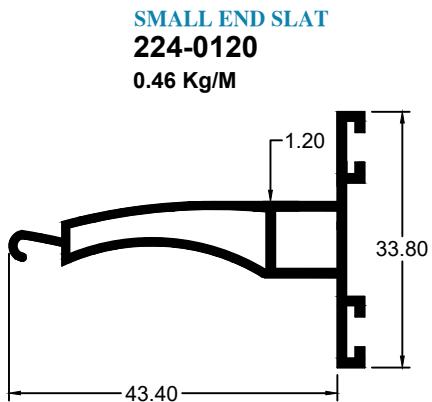


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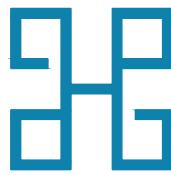


ROLLER SHUTTER PROFILES

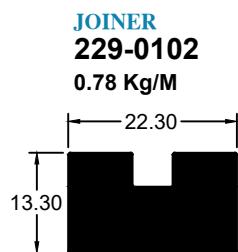
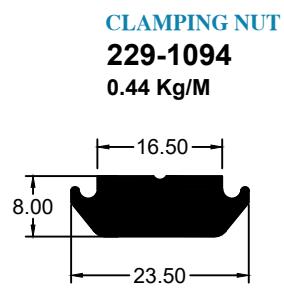
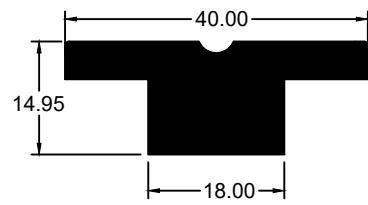
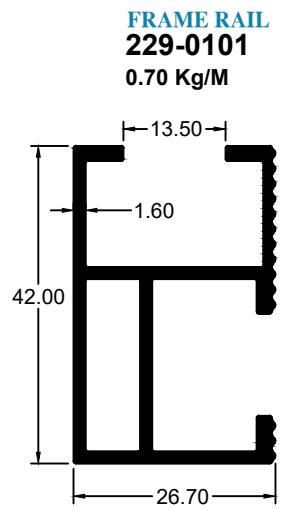
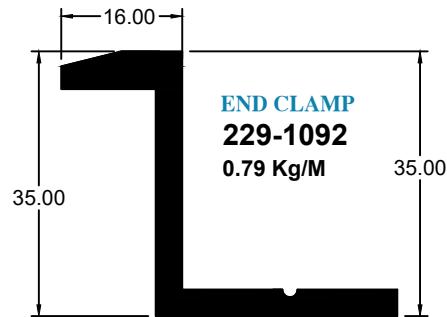
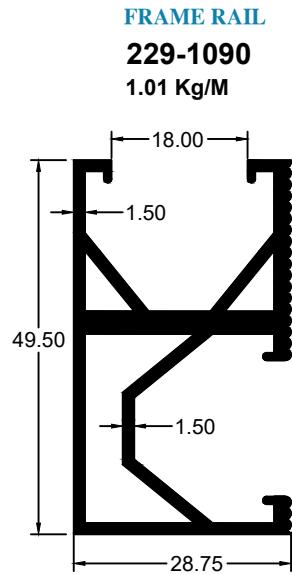


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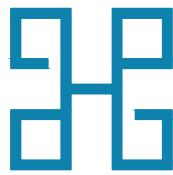


SOLAR PROFILES



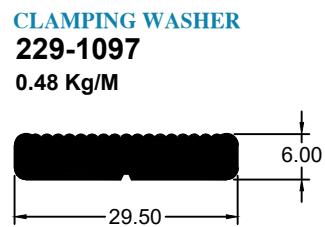
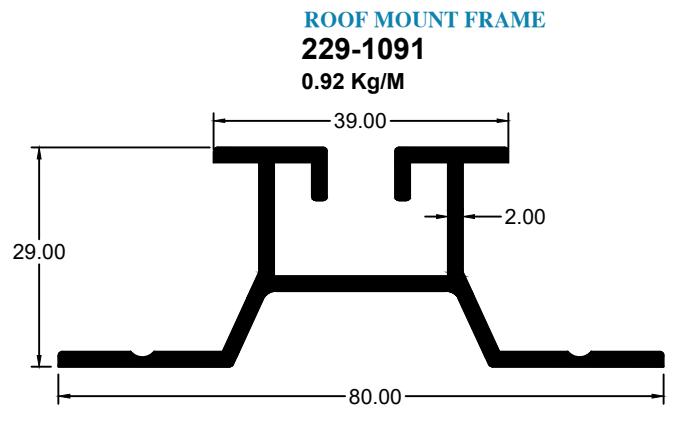
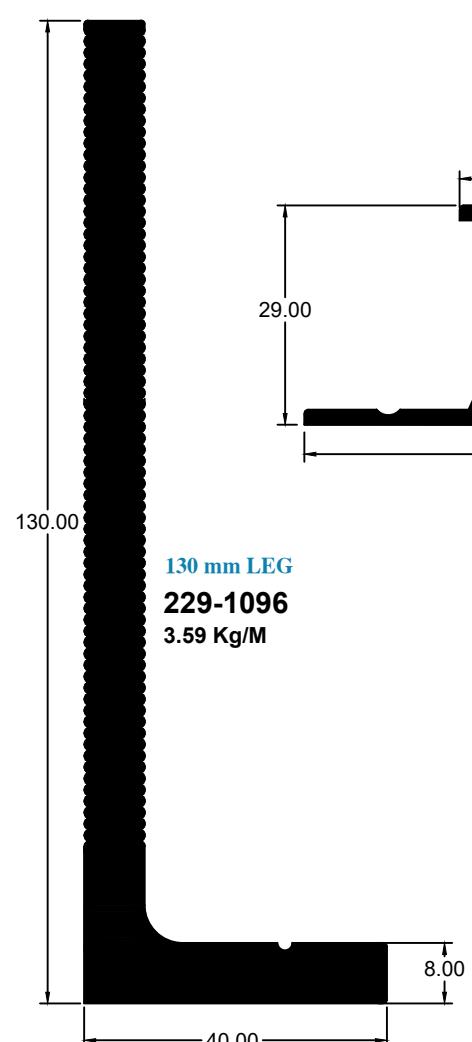
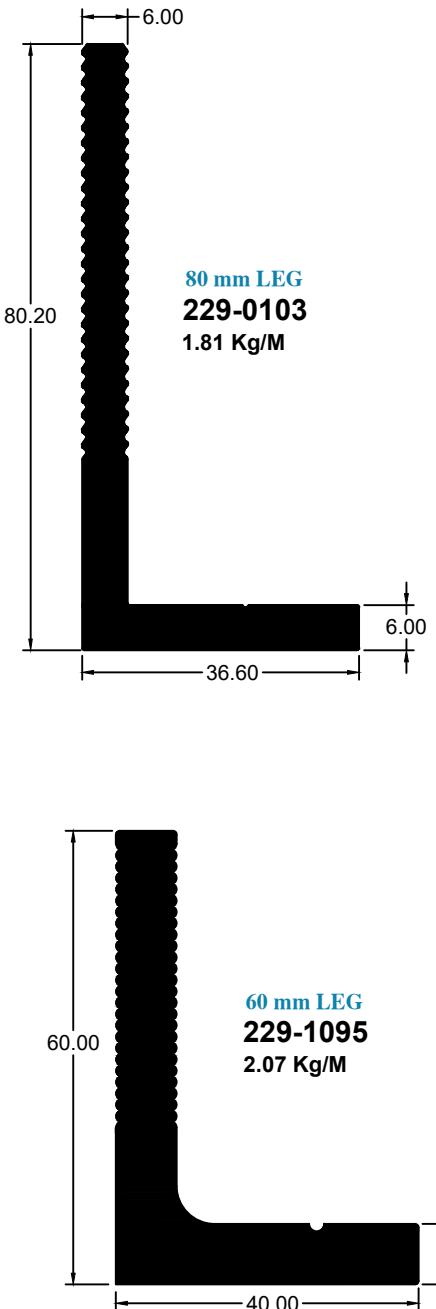
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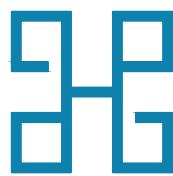
HYDRO ALUMINIUM LTD

SOLAR PROFILES



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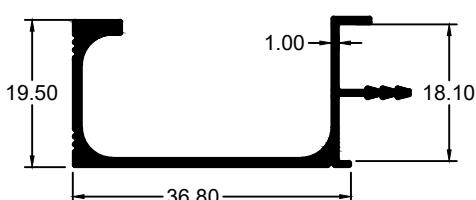


GENERAL PROFILES

SQUARE DRAWER HANDLE

350-0144

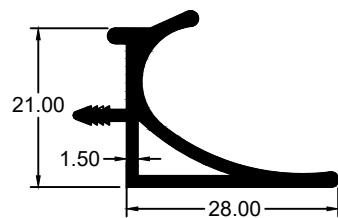
0.35 Kg/M



CURVED DRAWER HANDLE

350-0141

0.41 Kg/M

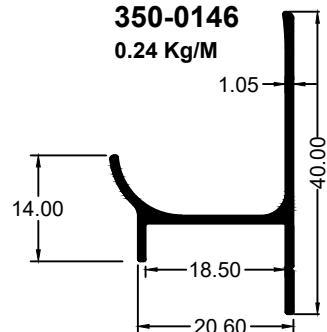
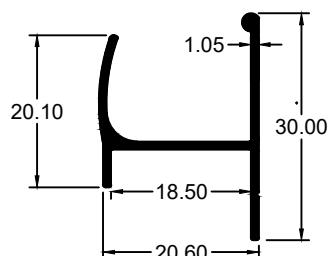
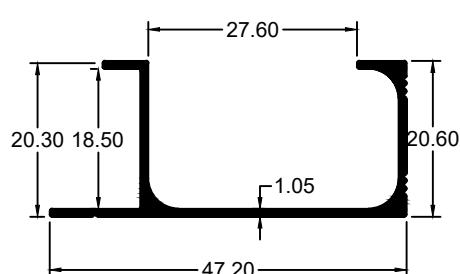
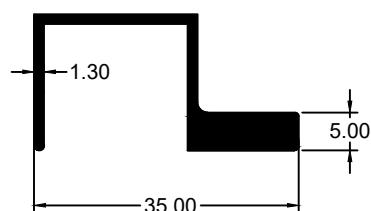


NEW!

DRAWER HANDLE

350-0146

0.24 Kg/M

NEW! DRAWER HANDLE
350-0147
0.23 Kg/MNEW! DRAWER HANDLE
350-0148
0.32 Kg/MWARDROBE HANDLE
350-0140
0.40 Kg/M

FLAT BOTTOM TRACK

250-0101

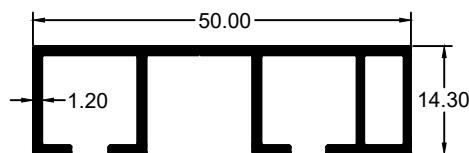
0.25 Kg/M



TOP TRACK

250-0102

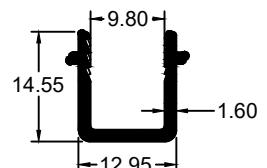
0.45 Kg/M



BOARD BINDING PROFILE

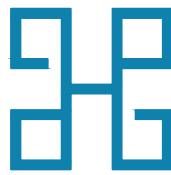
260-1050

0.18 Kg/M

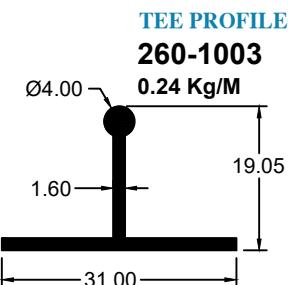


1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

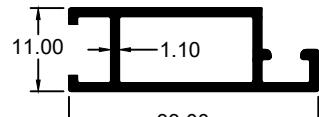
Disclaimer: The right to make alterations is reserved to HAL.



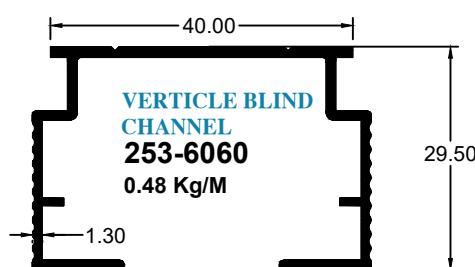
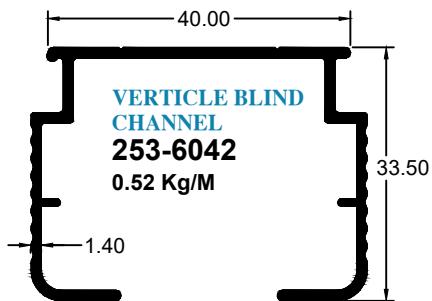
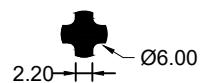
GENERAL PROFILES



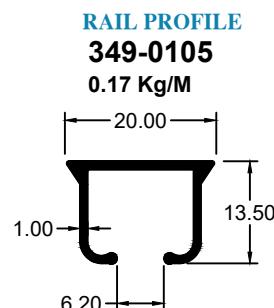
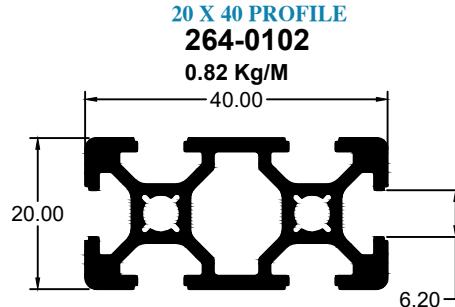
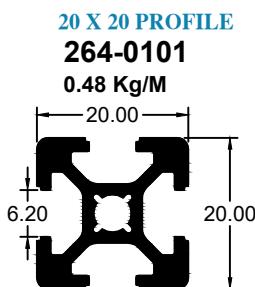
NET PROFILE
254-1095
0.27 Kg/M



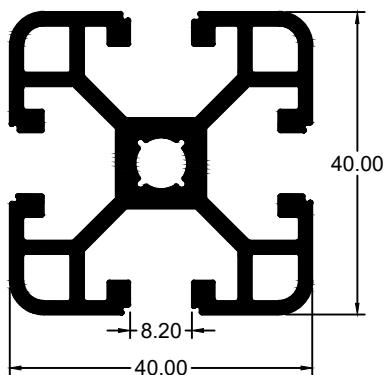
TILT ROD 6mm
253-6002
0.07 Kg/M



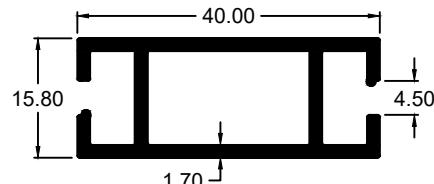
TILT ROD 7mm
253-6041
0.08 Kg/M



40 X 40 PROFILE
264-0201
1.49 Kg/M

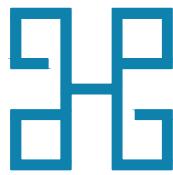


RAIL PROFILE
264-0301
0.59 Kg/M



1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

Disclaimer; The right to make alterations is reserved to HAL.

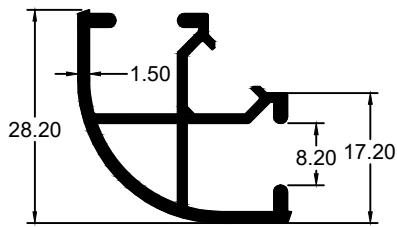


GENERAL PROFILES

SHOP DISPLAY
CORNER PROFILE

254-1038

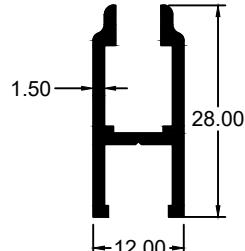
0.45 Kg/M



SHOP DISPLAY GLASS
BOTTOM PROFILE

254-1035

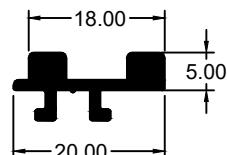
0.30 Kg/M



SHOP DISPLAY
BOTTOM ROLLER

260-1339

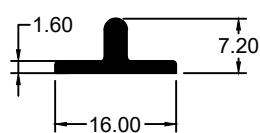
0.23 Kg/M



TEE

350-0142

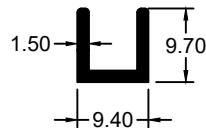
0.12 Kg/M



U CHANNEL

350-0143

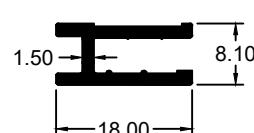
0.11 Kg/M



DISPLAY SHUTTER

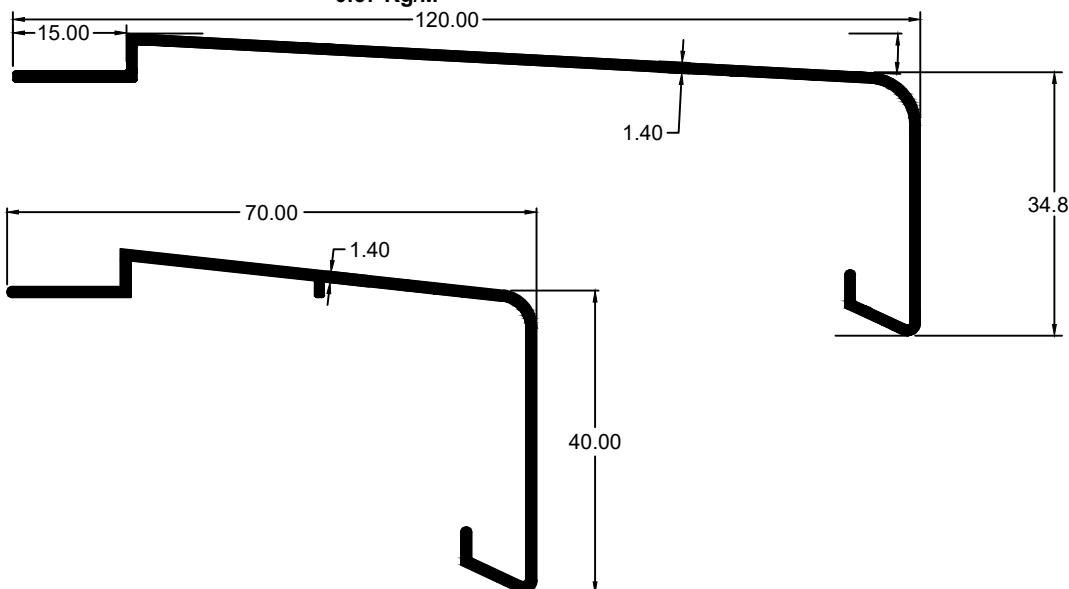
350-0145

0.19 Kg/M



WINDOW CILL
338-0443

0.67 Kg/M



NEW!

WINDOW CILL

338-0442

0.51 Kg/M

1. All dimensions are in mm
2. The weight shared is for Mill finish
3. When powder coated there will be a slight variance in weight.

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