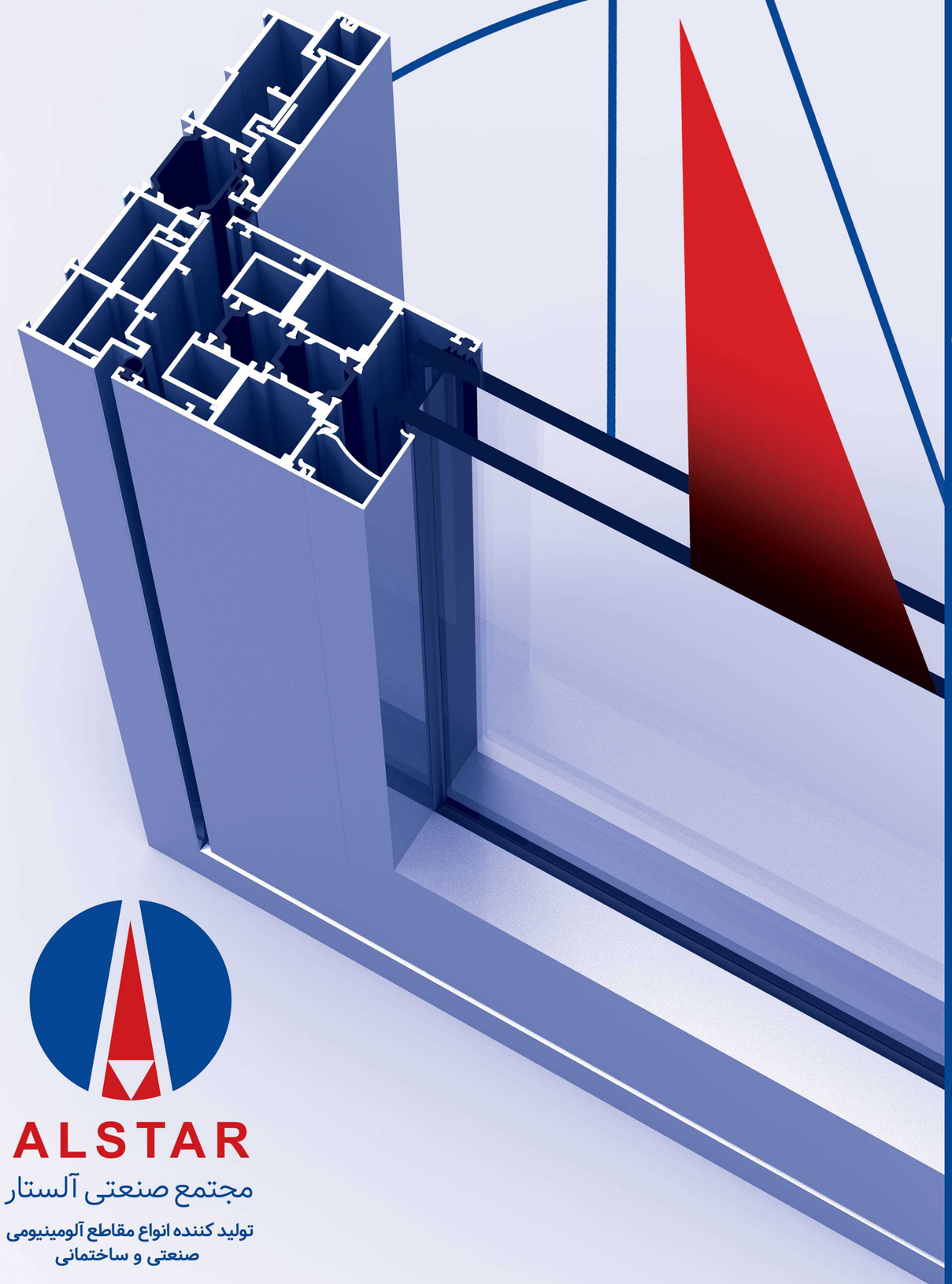
2024 Catalogue



ALSTAR

مجتمع صنعتی آلستار

تولید کننده انواع مقاطع آلومینیومی
صنعتی و ساختمانی

ALSTAR

2024 Catalogue

Center Office & Factory No.1
Km 4, Neka Road, Sari, Iran
011- 33434881- 4

Tehran Office
3th FLR,No.7,Isabeigy Alley,
Vafamanesh St.,Hosseinabad Sq.
021-22930010
021-22940010

Factory No.2
St. Narges 8, Azadi Blvd, Shams
Abad Town, Tehran, iran
021-56901595

ALSTAR

ALUMINIUM

PROFILE

PRODUCER

www.alstar.ir

info@alstar.ir

alstar.ir

alstar_co

دفتر مرکزی و کارخانه شماره ۱:
ساری، کیلومتر ۴ جاده نکا،
مجتمع صنعتی آلستار
تلفن: ۴- ۰۱۱۳۳۴۳۴۸۸۱

دفتر تهران:
میدان حسین آباد، خیابان وفامنش
ک عیسی بیگی، پلاک ۷، طبقه ۳
تلفن : ۰۲۱۲۲۹۳۰۰۱۰
۰۲۱۲۲۹۴۰۰۱۰

کارخانه شماره ۲:
تهران، شهرک صنعتی شمس آباد
بلوار آزادی، خیابان نرگس ۸
تلفن: ۰۲۱۵۶۹۰۱۵۹۵

ALSTAR
INDUSTRIAL
COMPLEX

www.alstar.ir

vorkan

alonzo
ALUMINIUM PROFILE



I N D E X

05	Intruduction	معرفی	۰۵
07	Profile Production Process	مراحل تولید پروفیل	۰۷
21	FLAT Door & Window System	سیستم درب و پنجره فلت	۲۱
55	UPVC STYLE Window System	سیستم پنجره یو پی وی سی استایل	۵۵
63	MASTER Door & Window System	سیستم درب و پنجره مستر	۶۳
71	GENERAL Door & Window System	سیستم درب و پنجره جنرال	۷۱
85	ISATIS System	سیستم ایساتیس	۸۵
91	HEAVY DUTY DOOR System	سیستم درب سنگین	۹۱
97	LIFT & SLIDE SYSTEM	سیستم لیفت اند اسلاید	۹۷
111	INOWA SYSTEM	سیستم اینُوا	۱۱۱
119	CURTAIN WALL FACADE SYSTEM	نمای کرتن وال	۱۱۷
127	FRAMELESS FACADE SYSTEM	نمای فریم لس	۱۲۵
128	HANDRAIL	نرده شیشه ای	۱۲۹
131	LOUVRE	لوور	۱۳۱



INTRODUCTION

With the help of Almighty God, we have been able to use the result of 40 years of experience in the aluminum industry in the field of production and sale of all kinds of industrial and construction sections, in a group called Alstar with a new attitude and taking into account the latest technology in the door and window industry and related industries. , in a space with an area of 40 thousand square meters, we have upgraded to provide a decent and honest service.

Alstar Industrial Complex is a combination of experience, skill and modern thinking in the country's industry, which uses the most advanced machines in the world in the field of aluminum section production and offers its products at the most desirable level of quality. This group started its development plan in 2010 and by building a factory for the production of aluminum profiles and electrostatic paint line in Shams Abad industrial town of Tehran and creating employment for 70 people, it has been able to take an effective step to support domestic production. In continuation of this excellent approach and the goals of the managers of this group, by employing expert and committed forces, the efforts have been fruitful and within a short period of time, with the acquisition of a favorable share of the target market and the satisfaction of customers, the level of production has increased, which has led to the implementation of the second development plan. And with the purchase and updating of factory machinery, located in the north of the country, from European brands, as well as the construction of the head office building in Sari city and the creation of a modern office space and a permanent and unique exhibition of final products, for the first time in the country, the second part of the development plan This collection has been implemented and the number of employees of this collection has increased to 200 people found. Various production units, including extrusion unit, electrostatic paint unit, decorative unit, anodizing unit and other parts with the aim of providing the most favorable products and services to customers, with comprehensive quality systems IMS are managed.

Satisfying customers, variety of products and maintaining quality are the main goals of this collection.

Factory NO.1 کارخانه شماره ۱

Factory NO.2 کارخانه شماره ۲



Center Office دفتر مرکزی

معرفی

با یاری خداوند متعال ، توانسته ایم حاصل ۴۰ سال تجربه در صنعت آلومینیوم را در زمینه تولید و فروش انواع مقاطع صنعتی و ساختمانی ، در مجموعه ای به نام آلستار با نگرشی نوین و لحاظ نمودن تکنولوژی روز دنیا ، در صنعت درب و پنجره و صنایع وابسته ، در فضایی به مساحت ۴۰ هزار متر مربع ارتقاء داده ، تا خدمتی شایان و صادقانه ارائه نماییم.

مجتمع صنعتی آلستار تلفیقی از تجربه ، مهارت و تفکر نوین در صنعت کشور می باشد که با بهره گیری از پیشرفته ترین ماشین آلات روز دنیا در زمینه تولید مقاطع آلومینیوم در مطلوب ترین سطح از کیفیت محصولات خود را عرضه می نماید.

این مجموعه در سال ۱۳۹۰ طرح توسعه خود را آغاز نموده وبا احداث کارخانه تولید پروفیل آلومینیوم و خط رنگ الکترواستاتیک در شهرک صنعتی شمس آباد تهران و ایجاد اشتغال برای ۷۰ نفر توانسته گام موثری را جهت حمایت از تولید داخل بردارد، در ادامه این رویکرد متعالی و اهداف مدیران این مجموعه با بکارگیری نیروهای متخصص و متعهد ، تلاش ها به ثمر نشسته و طی مدت کوتاهی با کسب سهم مطلوبی از بازار هدف و رضایتمندی مشتریان ، سطح تولیدات افزایش پیدا کرده که منجر به اجرای طرح دوم توسعه گردیده و با خرید و بروز رسانی ماشین آلات کارخانه ، واقع در شمال کشور ، از برندهای اروپایی و همچنین احداث ساختمان دفتر مرکزی در شهرستان ساری و ایجاد فضای اداری مدرن و نمایشگاه دائمی و بی نظیرمحصولات نهایی ، برای نخستین بار در کشور ، دومین بخش طرح توسعه این مجموعه اجرا گردیده و تعداد شاغلین این مجموعه به ۲۰۰ نفر افزایش یافته است. واحد های مختلف تولید از جمله واحد اکستروژن ، واحد رنگ الکترو استاتیک ، واحد دکورال ، واحد آنودایزینگ و قسمت های دیگر با هدف ارائه هر چه مطلوب تر محصولات و خدمات به مشتریان ، با سیستم های جامع کیفیت IMS اداره می شوند.

جلب رضایت مشتریان ، تنوع محصولات و حفظ کیفیت از اهداف اصلی این مجموعه می باشد.

واحد اکستروژن

مجتمع صنعتی آلستار با در اختیار داشتن دو دستگاه پرس اکستروژن ۸ اینچ اتوماتیک با قدرت ۲۳۰۰ تن، سالانه توانایی تولید پروفیل و مقاطع آلومینیومی تا ظرفیت ۴۰۰۰ تن جهت مصارف مختلف صنعتی و ساختمانی را دارا می باشد.

خطوط اکستروژن مجتمع صنعتی آلستار مجهز به میز خودکار بوده که از ساییدگی پروفیل آلومینیوم در هنگام عملیات اکستروژن توسط میز پرس ، جلوگیری می کند به نحوی که پس از انجام عملیات شاهد سطحی کاملاً صاف و یکنواخت روی پروفیل آلومینیوم تولید شده خواهیم بود.



پرس اکستروژن شماره ۲ Extrusion Press NO.2

EXTRUSION UNIT

Alstar Industial complex with using two automatic 8 inches extrusion machine with 2,300 ton power, has 4,000 tons annual capacity for producing aluminum profiles and sections for industrial and constructional purposes.

Alstar extrusion lines are equipped with automatic table which prevent aluminum profile erosion during extrusion process by press table so that we will have a smooth and uniform surface after finishing the operation.



پرس اکستروژن شماره۱ Extrusion press NO.1





Billet preheat furnace کوره پیش گرم بیلت

میز رباتیک واحد اکستروژن

در واحد تولید پروفیل مجتمع صنعتی آلستار با بهره گیری از پیشرفته ترین میزهای تمام اتوماتیک که مجهز به پولر های رباتیک میباشد،فرایند تولید را متفاوت کرده ایم به گونه ای که پس از خروج پروفیل از دهانه پرس،دستگاه پولر به صورت هوشمند با کشش ثابت و یکدست و سرعت یکنواخت ،پروفیل را تا انتهای میز ۴۲ متری هدایت نموده و از ایجاد هرگونه تغییر و اعوجاج در مقطع پروفیل جلوگیری مینماید که این امر موجب میشود پروفیل مطابق با جزئیات نقشه قالب با ابعاد دقیق و رعایت استاندارد ها تولید شود. وجود تسمه های نمدی برای جلوگیری از ضربه به پروفیل تولید شده از دیگر ویژگی های میز اتومات میباشد. این میز مجهز به استرچ، اره گرم بُر و سرد بُر نیز میباشد که به صورت خودکار، پروفیل تولید شده را در سایزهای طولی دلخواه برش زده و بوسیله رولیک های نمددار به انتهای میز منتقل میکند.



میز پرس اکستروژن شماره ۲ Extrusion Press Table NO.2

EXTRUSION PRESS TABLE

In Aluminum profile production plant of Alstar, one of the most advanced automatic table is used with 42 meter length which is equipped by full automated double puller that when the profile is extruded from the press, two pulling machines automatically steers the extruded profiles in turn directly and under a constant stretching force to the end of the table that this process leads a precision consideration of dimension and profile tolerance. Also 42 meters automated table due to having felt belt protect the profiles of impacting.

This table is equipped of stretching, hot saws and cold saws which cut the profiles ideally and convey it to end of table automatically.



میز پرس اکستروژن شماره ۱ Extrusion Press Table NO.1

کوره ایجینگ

جهت رسیدن به سختی و استحکام مورد نظر در پروفیل های تولیدی، از کوره ایجینگ استفاده میشود. دستگاه ایجینگ مجموعه صنعتی آلستار از نوع PLC با کنترلرهای دیجیتال بوده که با انجام عملیات حرارتی طبق نمودارهای استاندارد، سختی مورد نیاز مقاطع مختلف را تامین میکند.

A G I N G O V E N

In order to reach hardness and desire stability in extruded profile, aging oven is used. Alstar Aging machine is type of PLC with digital controllers which with heating process based on standard graphs, provides the considered hardness of diverse sections.

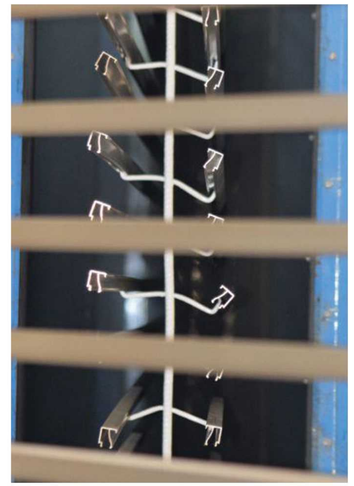


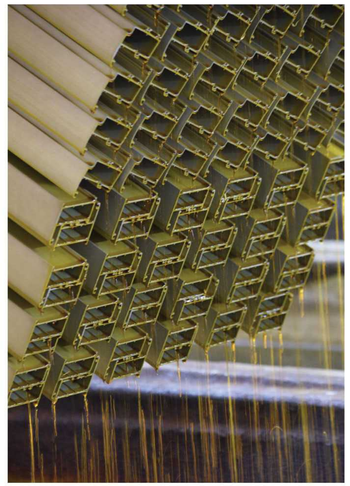


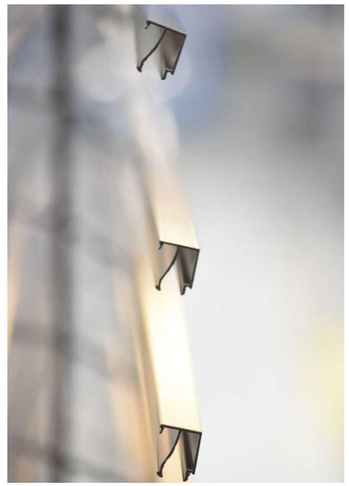




در این واحد ابتدا پروفیل ها جهت آماده شدن سطح با مواد مخصوص شستشو و چربی زدایی گردیده و با ورود به کوره خشک کن جهت پاشش رنگ آماده میگردد. در این مرحله انتقال پروفیل ها به وسیله خط ۱۵۰ متری کانوایر به کابین پاشش صورت گرفته و با ربات های کاملا هوشمند از کمپانی Sames فرانسه پاشش رنگ انجام می شود. از ویژگی های برترخط رنگ مجتمع صنعتی آلستار قابلیت کنترل پارامترهایی همچون میزان ضخامت پاشش رنگ (میکرون)، فشارباد، آمپر و ولتاژ، میزان شدت پاشش و سرعت پاشش به صورت اتومات می باشد. پروفیل های رنگ شده سپس به کوره هایی که مجهز به سیستم انرژی سیوینگ میباشد انتقال پیداکرده و در دمایی حدود ۱۸۰ الی ۲۲۰ درجه سانتیگراد پخته میشود، یکنواخت بودن دما در سراسر کوره پخت از نکات بسیار مهم در این فرآیند است. ضخامت پاشش رنگ در آلستار بین ۶۰ الی ۸۰ میکرون می باشد. تست هایی همچون میزان چسبندگی رنگ (کراس کات)، تست ضربه، تست ضخامت رنگ، تست سالت اسپری (مه نمکی یا پاشش نمک) و تست مطابقت با شید رنگی RAL مرجع از وظایف مسئول کنترل کیفیت QC در این واحد می باشد.









واحد پوشش رنگ پودری الکترواستاتیک



At first the aluminum profiles surface are degreased and pre-treatment implemented by sinking in particular solutions and by entering to preheating furnace they are thoroughly dried to get prepared for spray step. In this step the profiles are conveyed by 150 meter automatic conveyor line vertically to spray booth and painted by the French "SAMES" full smart machines. The top features of Alstar Industrial Complex painting line are capable of controlling parameters such as dye thickness (micron), inflating pressure, ampere and voltage, spray intensity and spray speed automatically. Then the painted profiles are transferred to energy saving equipped curing oven and are heated in 180-200 centigrade degree. Temperature uniformity throughout the curing oven is one of the sensitive points during this process,The sprayed paint thickness is between 60 micron to 80 micron in Alstar Complex. Some tests such as Cross cut (paint adhesion), impact test, coating thickness test,salt spray test and conformity test with RAL colored shade are the responsibilities of quality control (QC) department.





ELECTROSTATIC POWDER COATING UNIT

واحد پوشش رنگ های طرح چوب

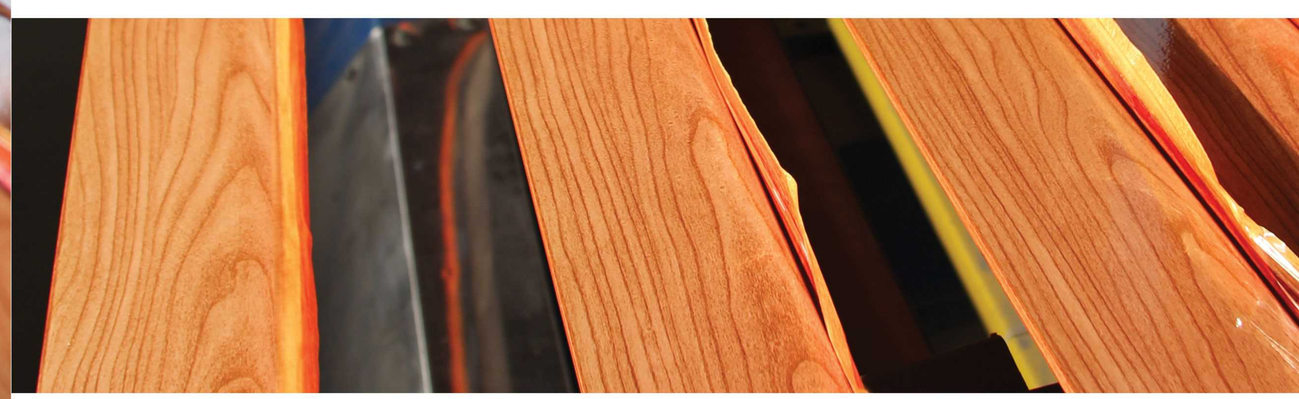
با آمدن نسل جدیدی از نوآوری در صنعت آلومینیوم، پایان استفاده از چوب در سراسر جهان در حال اتفاق است . ارمغان این نوآوری ایجاد طرح های بسیار زیبا وچشم نواز از چوب های طبیعی بر روی آلومینیوم میباشد، به گونه ای که توجه طیف وسیعی از معماران، مهندسان و سازندگان را به خود جلب کرده. سیستم دکورال یا همان طرح چوب بر روی آلومینیوم، مقاوم، مقرون به صرفه و ایده ای برای ایجاد ساختارهای سنتی در صنعت ساختمان می باشد. دراین فرآیند، پس از مرحله زیرسازی، پروفیل ها با رنگ مخصوص که لایه اول و پوشش سطح فلز محسوب میشود رنگ آمیزی و بعد از پخت در کوره الکترواستاتیک، برای عملیات دکور آماده میگردد. در این مرحله بعد از الصاق فیلم های مخصوص، پروفیل ها بر روی میز دکورال چیده شده و پس از ایجاد مکش درفیلم ها و ایجاد خلا در آن با قرار گرفتن داخل کوره در دمایی حدود ۲۰۰ الی ۲۲۰ درجه و زمانی معادل ۱۸۰ ثانیه، این فرآیند تکمیل میگردد و پس از بیرون آمدن پروفیل ها از کوره و جداسازی فیلم ها ،طرح چوب بر روی آلومینیوم نقش می بندد. عدم تغییر رنگ در برابر نور خورشید و مقاومت در برابر عوامل جوی قابلیت استفاده درنماهای خارجی و داخلی را میسر میسازد.

لازم به توضیح است که فیلم های مصرفی در مجموعه صنعتی آلستار از دو کمپانی بزرگ ایتالیایی (Memphis) و (Miroglio) خریداری و دارای ۲۰ سال ضمانت می باشد.

WOOD EFFECT COATING UNIT

With coming new generation of innovations in the aluminum industry, the end of wood usage is happening all over the world. This innovation souvenir is creating beautiful and eye-catching designs of natural wood on aluminum, so that the attention ofthe whole range of architects, engineers and builders are absorbed.The Decoral system or wood effect on aluminum, are durable, ffordable and an idea to implement traditional structures in the building industry. In this process, after substructure process, the profiles are painted with a special paint which is the first layer and the metal surface coat then they are prepared for the Decoral operation after curing in the electrostatic furnace. At this point, after inserting the special film, the profiles are located on Decoral table and after suctioning and vacuuming the film, by placing it in the oven at a temperature of about 200 to 220 °C for a period of 180 seconds this process is completed which after removing the profiles from the furnace and separating the films,the beautiful colors of the wood effect are drawn on the aluminum profile surface. Color non-changing by sunlight and resistance to atmospheric agents make it usable in exterior and interior sight.

It should be explained that the consuming films at the Alstar Industrial Complex are purchased from two major Italian companies (Memphis) and (Miroglio) which have 20 years warranty.





واحد آنودایزینگ

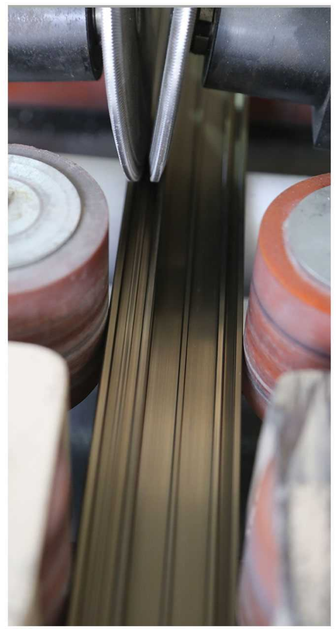
به تشکیل یک لایه نازک اکسیدی بر روی قطعات آلومینیومی که باعث افزایش سختی، مقاومت در برابر خوردگی، ایجاد نمای زیبا و تغییر برخی از خصوصیات فیزیکی آن ها میگردد؛آنودایزینگ میگویند. مکانیزم کلی آنودایزینگ با فرو بردن آلومینیوم به محلول اسید و انتقال جریان الکتریسیته از طریق محیط انجام میشود وکاتُد به داخل تانک آنودایز متصل میشود. آلومینیوم به عنوان یک آنُد عمل میکند، بنابراین یون های اکسیژن از الکترولیت آزاد میشوند تا با آلومینیوم در سطح آنودایز شده ترکیب شوند. در این صورت بر سطح آلومینیوم لایه نازکی از اکسید ایجاد میگردد. برخلاف اکثر فرآورده های دیگر، آنودایز بطور طبیعی بافت و زیبایی فلز را حفظ میکند. پوشش آنودایز سختی و دوام دارد، هرگز پوست نخواهد شد و در شرایط عادی هرگز از بین نخواهد رفت. آلومینیوم برای داشتن ظاهری زیبا، مقاومت در برابر خوردگی و سایش، افزایش ظرافت در کاربردهای صنعتی و برای برخی از دلایل تخصصی آنودایز میشود.

ANODIZING UNIT

Anodizing is called for chemically building a thin layer of oxide on aluminum parts, which causes increasing hardness, corrosion resistance, beautiful appearance and changes in some of its physical properties. The overall anodizing mechanism is performed by plunging aluminum into an acid solution and transferring electrical current through the environment. The cathode connects to the anodized tank. Aluminum acts as an anode, so oxygen ions are released from the electrolyte to be combined with anodized aluminum. In this case, a thin layer of aluminum oxide is built on the aluminum surface. Unlike most other products, Anodized naturally maintains its contexture and metallic beauty. The anodized coating has hardness and durability, and will never be desquamated and also destroyed under normal conditions. Aluminum is anodized for its beautiful appearance, corrosion resistance, hardness and abrasion resistance, elegance in industrial applications, and for a numerous specialized reasons.













واحد ترمال بریک

در واحد ترمال بریک مجتمع صنعتی آلستار با استفاده از دستگاه ایتالیایی کمپانی FOM و تیغه هایی از جنس پلی آمید که به عنوان عایق حرارت و برودت بین دو مقطع داخلی و بیرونی پروفیل آلومینیوم قرار میگیرد، فرآیند دوجداره شدن پروفیل انجام میشود. از دیگر ویژگی های خاص پروفیل های ترمال بریک،قابلیت انتخاب دو رنگ متفاوت برای نمای بیرونی و داخلی پنجره مطابق با طراحی نما و یا دکوراسیون داخل ساختمان می باشد.

THERMAL BREAK UNIT

In this section of Alstar group double glazing process of profile is performed in which thermal break polyamide strips are placed between two aluminum sections for heating and cooling insulation by means of Italian FOM machine. The other exclusive features of aluminum thermal break profiles is being able to choose two different colors of window for inside and outside view according to fa ade designing and interior decoration.



واحد چسباندن لیبل و بسته بندی



در این واحد پروفیل های رنگ شده پس از کنترل های انجام گرفته با دستگاه مخصوص نصب لیبل که مربوط به کمپانی Gazzeni ایتالیا می باشد به شیوه ای کاملا منظم جهت حفظ سطح پروفیل از ایجاد هرگونه خط وخش و آسیب دیدگی تا مرحله نهایی مصرف، پوشانده میشود و بعد از ان با دستگاه بسته بندی اتومات نایلون پیچ گردیده و جهت انتقال و ارسال برای مشتریان به سالن دپوی پروفیل تحویل میگردد.

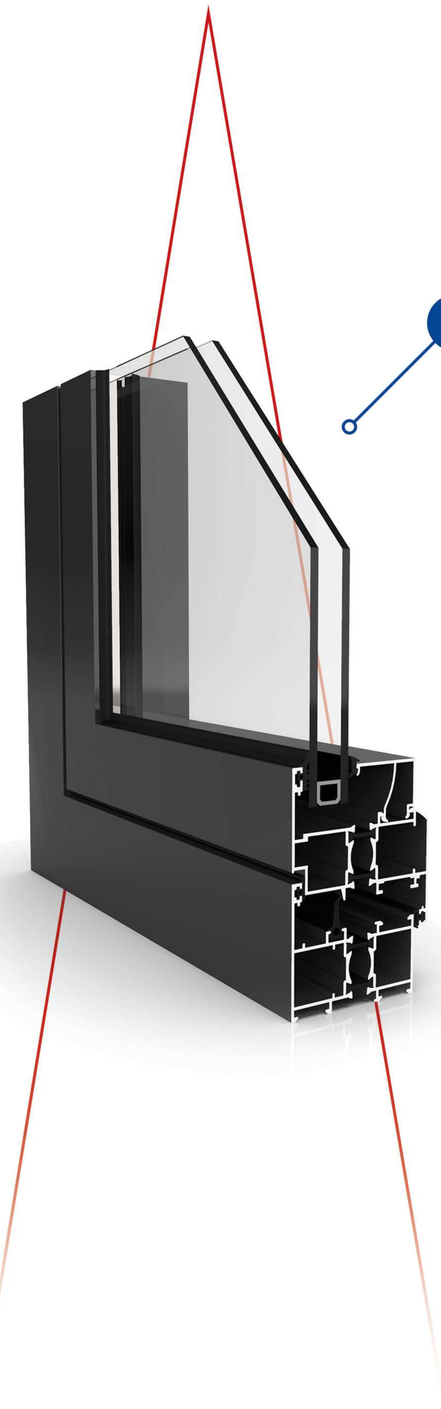




LABELING & PACKING UNIT

In this unit, the painted profiles are covered in a quite orderly manner to protect the profile surface from any scratches and damages to the final stage of consumption by a special labeling Italian" GAZZANI" machine and then they are wrapped with a nylon automatic wrapper and delivered to the Depot Profile Hall for dispatching and delivery to customers.

FLAT SYSTEM
INDEX




23 TH FLAT T65

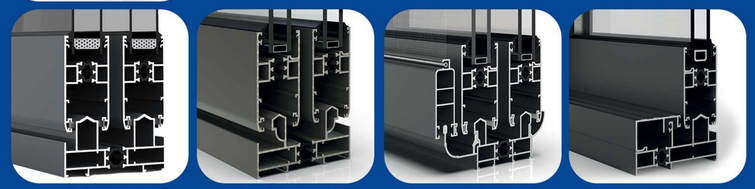

27 TH FLAT T75


29 TH FLAT T85


33 TH FLAT H.V

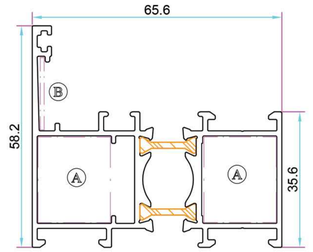

37 N FLAT T50


39 N FLAT T60

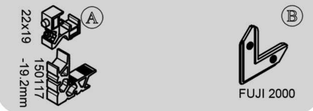

43 TH FLAT SL


51 N FLAT SL

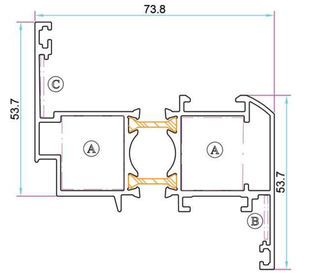
FRAME (1400 G/M)



Out Code:110602 / In Code:110601



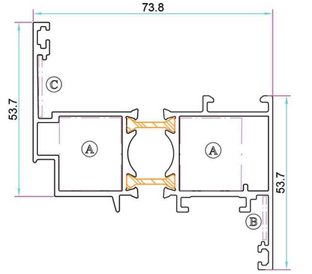
WINDOW SASH Type 1 (1570 G/M)



Out Code:110606 / In Code:110605



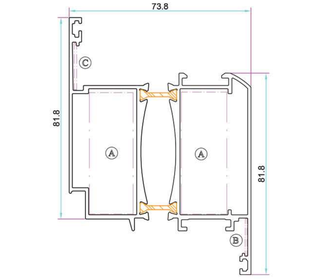
WINDOW SASH Type 2 (1570 G/M)



Out Code:110606 / In Code:110621



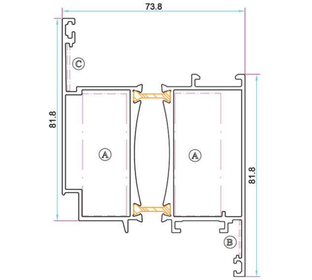
DOOR SASH Type 1 (2100 G/M)



Out Code:110604 / In Code:110603



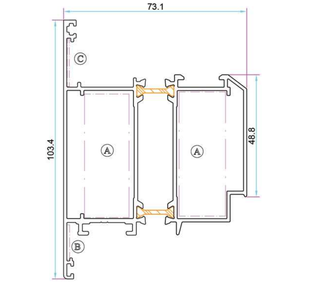
DOOR SASH Type 2 (2100 G/M)



Out Code:110604 / In Code:110617



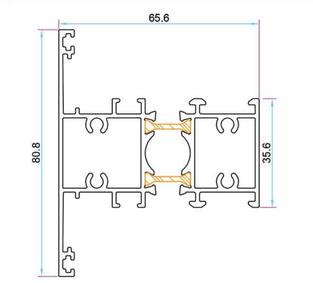
OUTSIDE DOOR SASH (2000 G/M)



Out Code:110648 / In Code:110647

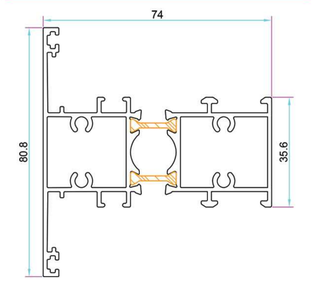


MULION TYPE 1 (1750 G/M)



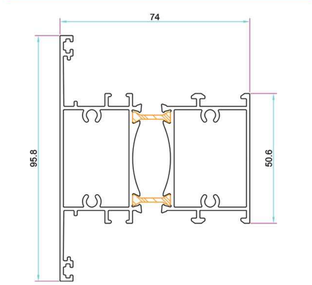
Out Code:110608 / In Code:110607

MULION TYPE 2 (1830 G/M)



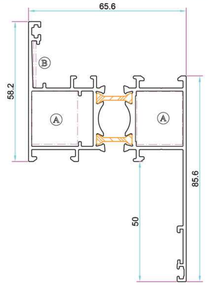
Out Code:110608 / In Code:110619

MULION TYPE 2 (2180 G/M)

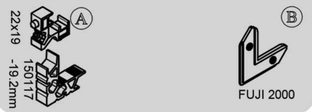


Out Code:110624 / In Code:110625

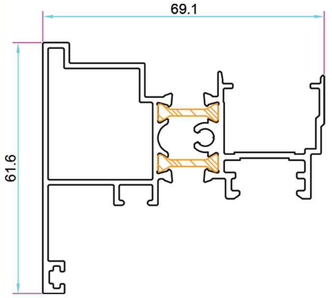
FRAME (1600 G/M)



Out Code:110602 / In Code:110643

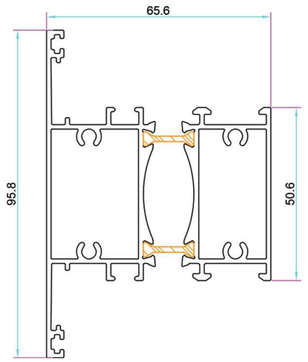


OVERHANG (1360 G/M)



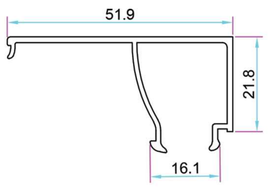
Out Code:110610 / In Code:110909

MULION TYPE 1 (2130 G/M)



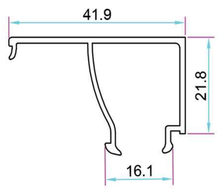
Out Code:110624 / In Code:110645

GLAZING (400 G/M)



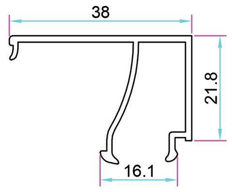
Code:110613

GLAZING (380 G/M)



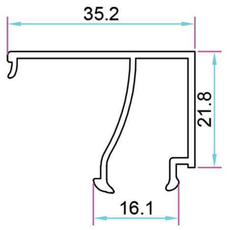
Code:110611

GLAZING (360 G/M)



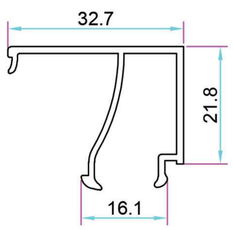
Code:110923

GLAZING (350 G/M)



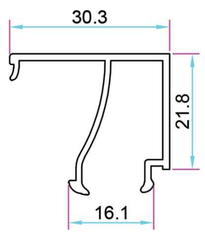
Code:110637

GLAZING (340 G/M)



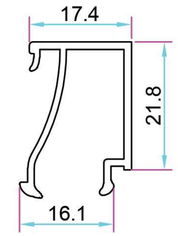
Code:110609

GLAZING (330 G/M)



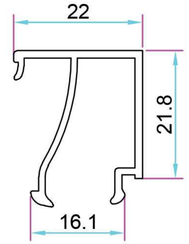
Code:110631

GLAZING (300 G/M)



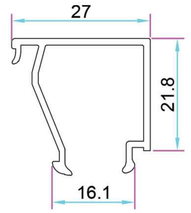
Code:110922

GLAZING (315 G/M)



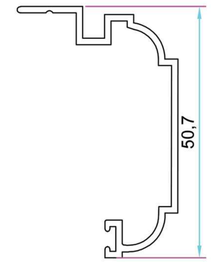
Code:110917

GLAZING (330 G/M)



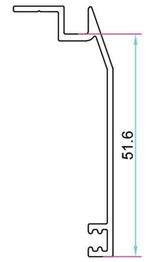
Code:110507

WALL COVER (420 G/M)



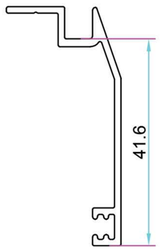
Code:150112

WALL COVER (380 G/M)



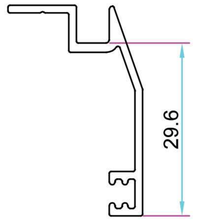
Code:150124

WALL COVER (345 G/M)



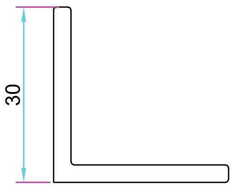
Code:150143

WALL COVER (300 G/M)



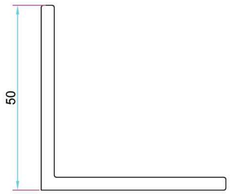
Code:150123

WALL COVER (480 G/M)



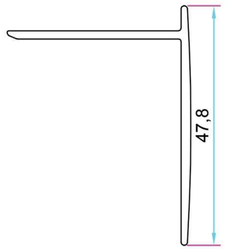
Code:150110

WALL COVER (1010 G/M)



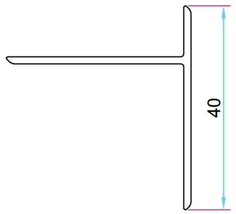
Code:150111

WALL COVER (400 G/M)



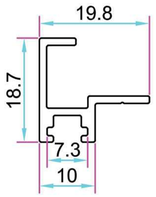
Code:150105

WALL COVER (310 G/M)



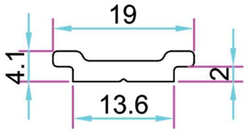
Code:150113

INTERCELL (210 G/M)



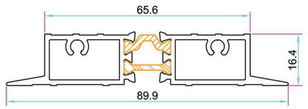
Code:110612

TIJ (147 G/M)



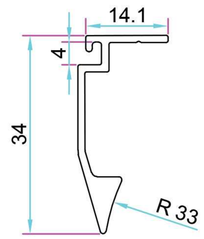
Code:150126

THRESHOLD (1050 G/M)



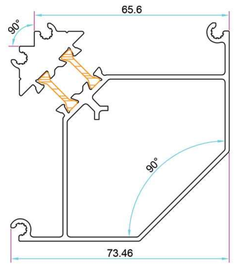
Out Code:110618 / In Code:110618

PIPE ADAPTOR 65 (250 G/M)



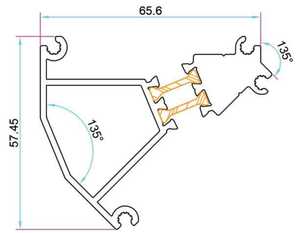
Code:110614

CORNER PROFILE 65 (2050 G/M)



Out Code:110628 / In Code:110629

CORNER PROFILE 65 (1900 G/M)



Out Code:110626 / In Code:110627

INTERCELL (550 G/M)

Code:110616

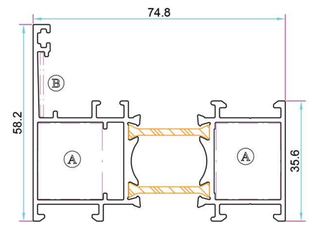
PIPE ADAPTOR 65 (210 G/M)

Code:110633

PIPE 65 (1320 G/M)

Out Code & In Code:110635

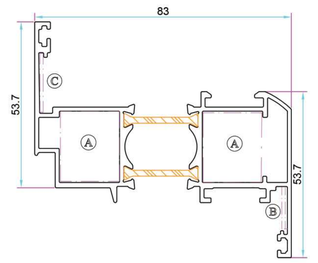
FRAME (1500 G/M)



Out Code:110602 / In Code:110601



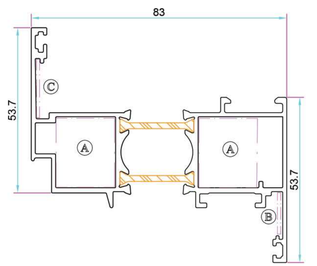
WINDOW SASH Type 1 (1670 G/M)



Out Code:110606 / In Code:110605



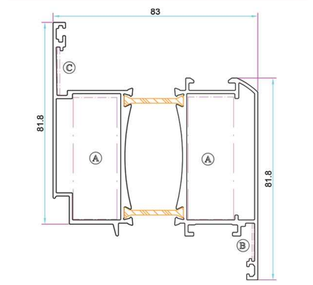
WINDOW SASH Type 2 (1670 G/M)



Out Code:110606 / In Code:110621



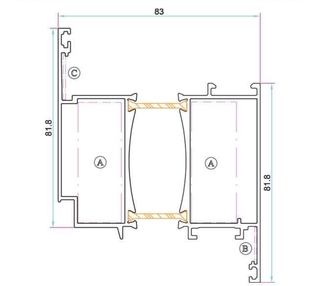
DOOR SASH Type 1 (2200 G/M)



Out Code:110604 / In Code:110603



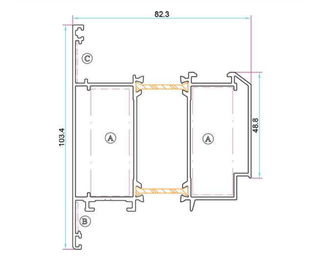
DOOR SASH Type 2 (2200 G/M)



Out Code:110604 / In Code:110617



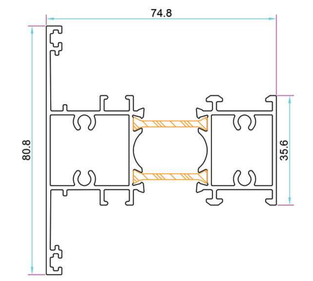
OUTSIDE DOOR SASH (2100 G/M)



Out Code:110648 / In Code:110647

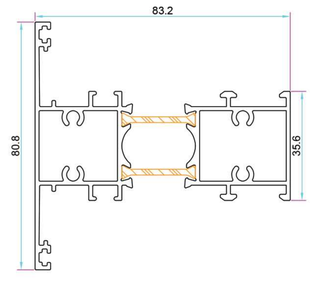


MULION TYPE 1 (1850 G/M)



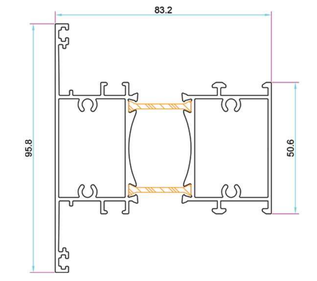
Out Code:110608 / In Code:110607

MULION TYPE 2 (1930 G/M)



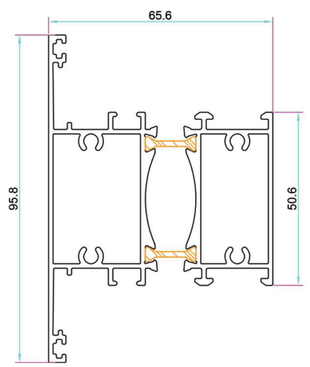
Out Code:110608 / In Code:110619

MULION TYPE 2 (2280 G/M)



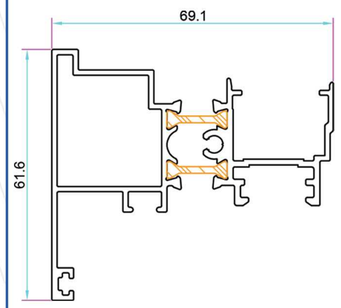
Out Code:110624 / In Code:110625

MULION TYPE 1 (2130 G/M)



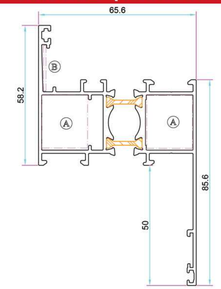
Out Code:110624 / In Code:110645

OVERHANG (1360 G/M)



Out Code:110610 / In Code:110909

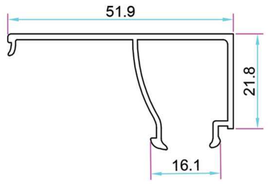
FRAME (1600 G/M)



Out Code:110602 / In Code:110643

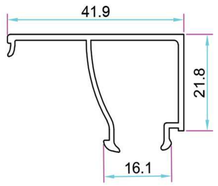


GLAZING (400 G/M)



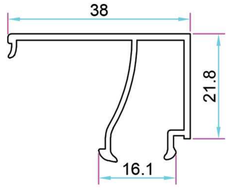
Code:110613

GLAZING (380 G/M)



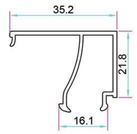
Code:110611

GLAZING (360 G/M)



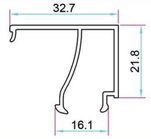
Code:110923

GLAZING (350 G/M)



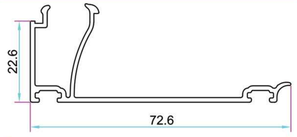
Code:110637

GLAZING (340 G/M)



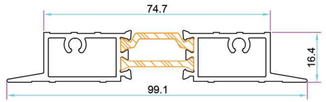
Code:110609

INTERCELL (515 G/M)



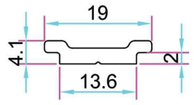
Code:110616

THRESHOLD (1050 G/M)



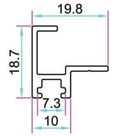
Out Code & In Code:110618

TIJ (147 G/M)



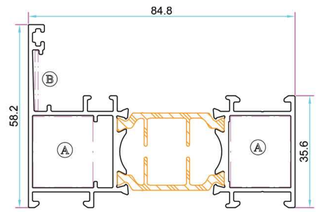
Code:150126

INTERCELL (210 G/M)



Code:110612

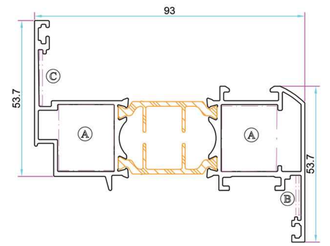
FRAME (1600 G/M)



Out Code:110602 / In Code:110601



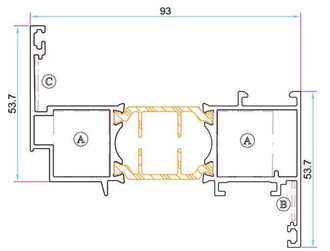
WINDOW SASH Type 1 (1770 G/M)



Out Code:110606 / In Code:110605



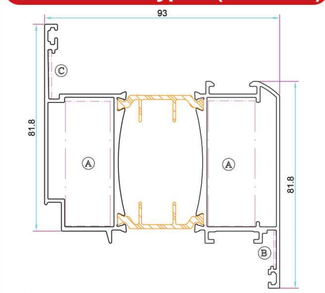
WINDOW SASH Type 2 (1770 G/M)



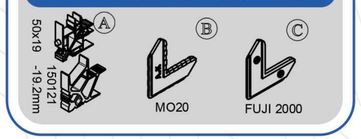
Out Code:110606 / In Code:110621



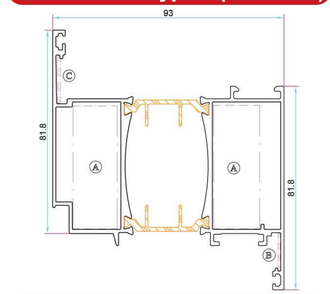
DOOR SASH Type 1 (2300 G/M)



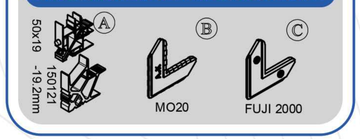
Out Code:110604 / In Code:110603



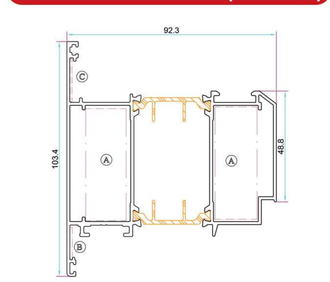
DOOR SASH Type 2 (2300 G/M)



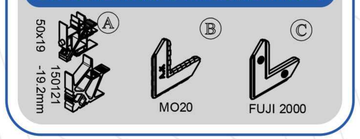
Out Code:110604 / In Code:110617



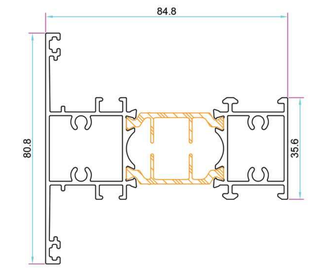
OUTSIDE DOOR SASH (2200 G/M)



Out Code:110648 / In Code:110647

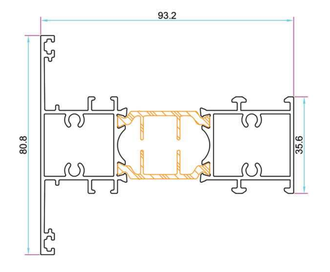


MULION TYPE 1 (1950 G/M)



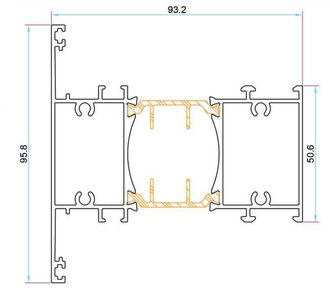
Out Code:110608 / In Code:110607

MULION TYPE 2 (2030 G/M)



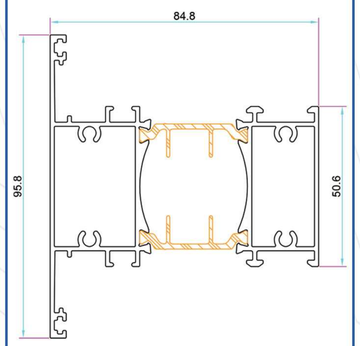
Out Code:110608 / In Code:110619

MULION TYPE 2 (2380 G/M)



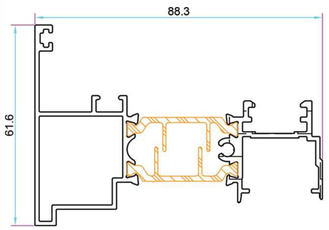
Out Code:110624 / In Code:110625

MULION TYPE 1 (2330 G/M)



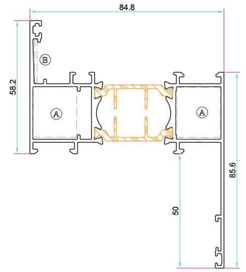
Out Code:110624 / In Code:110645

OVERHANG (1560 G/M)

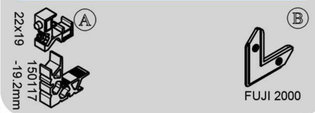


Out Code:110610 / In Code:110909

FRAME (1800 G/M)



Out Code:110602 / In Code:110643



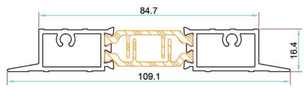
GLAZING (400 G/M)

Code:110613

GLAZING (380 G/M)

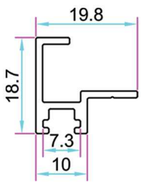
Code:110611

THRESHOLD (1080 G/M)



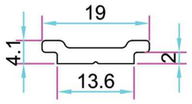
Out Code:110618 / In Code:110618

INTERCELL (210 G/M)



Code:110612

TIJ (147 G/M)



Code:150126

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



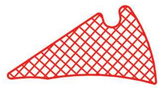
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 8 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



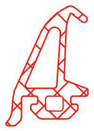
LOCATION: SASH
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 802



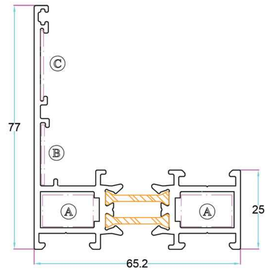
LOCATION: FRAME & MULION
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 813

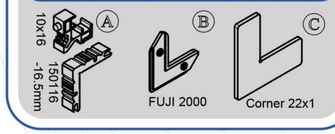


LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

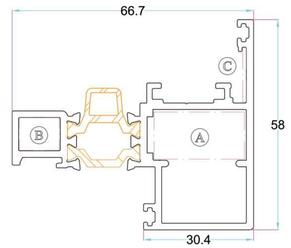
FRAME (1800 G/M)



Out Code:110502 / In Code:110501



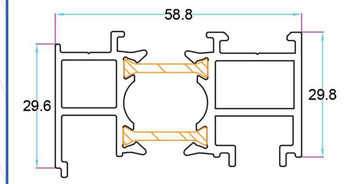
SASH (1640 G/M)



Out Code:110504 / In Code:110503

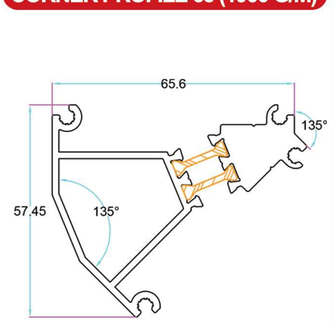


ADAPTOR (1250 G/M)



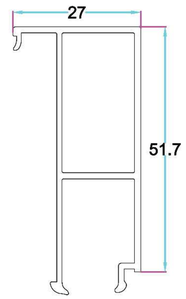
Out Code:110506 / In Code:110505

CORNER PROFILE 65 (1900 G/M)



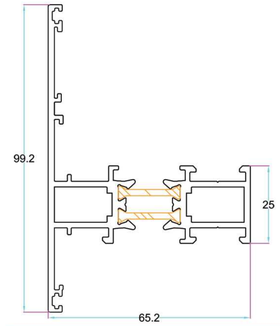
Out Code:110626 / In Code:110627

FIX GLAZING (547 G/M)



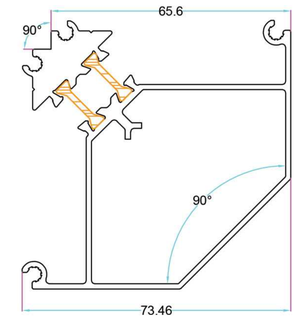
Code:110510

MULION (1940 G/M)



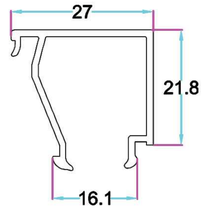
Out Code:110508 / In Code:110501

CORNER PROFILE 65 (2050 G/M)



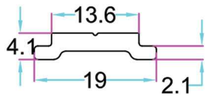
Out Code:110628 / In Code:110629

FIX GLAZING (330 G/M)



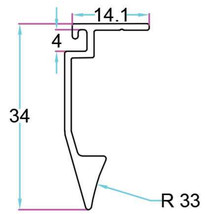
Code:110507

TIJ (147 G/M)



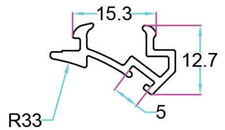
Code:150126

PIPE ADAPTOR 65 (250 G/M)



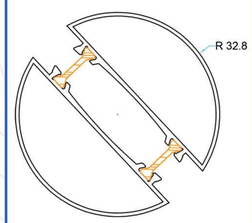
Code:110614

PIPE ADAPTOR 65 (210 G/M)



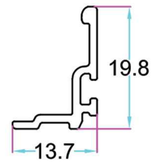
Code:110633

PIPE 65 (1320 G/M)



Out Code & In Code:110635

SASH GLAZING (135 G/M)

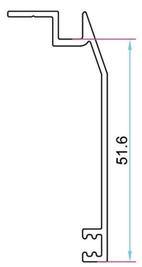


Code:110509

WALL COVER (1010 G/M)

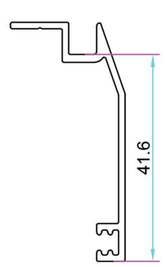
Code:150111

WALL COVER (380 G/M)



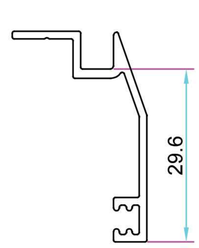
Code:150124

WALL COVER (345 G/M)



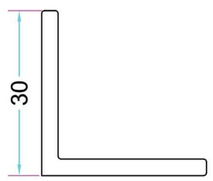
Code:150143

WALL COVER (300 G/M)



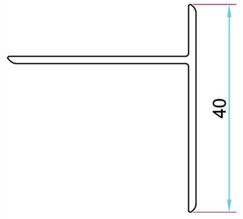
Code:150123

WALL COVER (480 G/M)



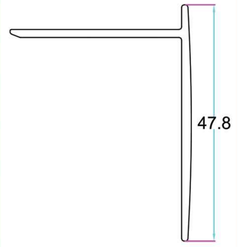
Code:150110

WALL COVER (310 G/M)



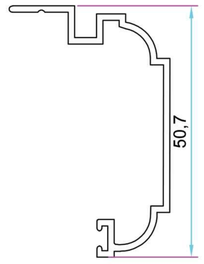
Code:150113

WALL COVER (400 G/M)



Code:150105

WALL COVER (420 G/M)



Code:150112



TH FLAT H.V GASKETS
لاستیک های فلت ترمال بریک لولایی لنگه مخفی

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 729



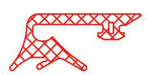
LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



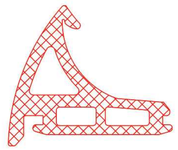
LOCATION: SASH
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 810



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 820



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

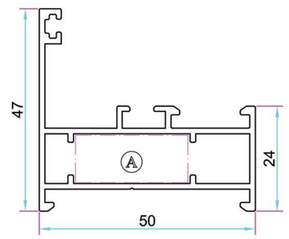
CODE: B 802



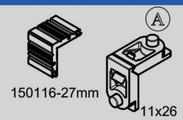
LOCATION: WALL COVER
USAGE: SEAL
MATERIAL: EPDM

N FLAT T50
فلت نرمال لولایی سری۵۰

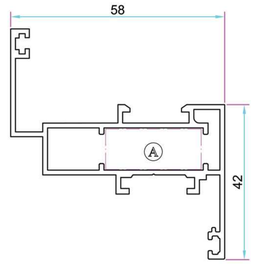
FRAME (800 G/M)



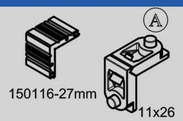
Code:111401



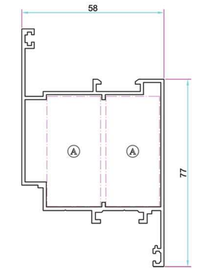
WINDOW SASH (980 G/M)



Code:111403



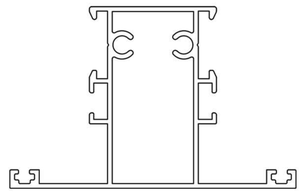
DOOR SASH (1250 G/M)



Code:111402

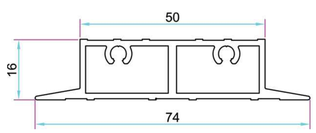


MULION (1100 G/M)



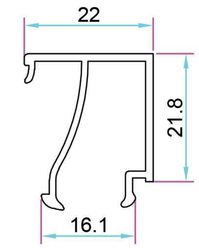
Code:111404

THRESHOLD (880 G/M)



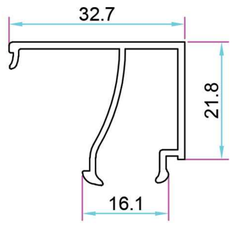
Code:111405

GLAZING (315 G/M)



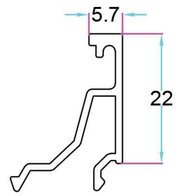
Code:110917

GLAZING (340 G/M)



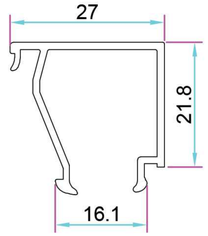
Code:110609

GLAZING (250 G/M)



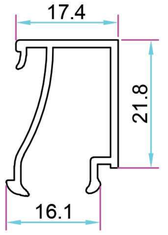
Code:110308

GLAZING (330 G/M)



Code:110507

GLAZING (300 G/M)



Code:110922

N FLAT T50 GASKETS
لاستیک های فلت نرمال لولایی سری۵۰

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



LOCATION: FRAME & SASH & MULION
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4



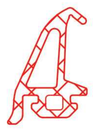
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5



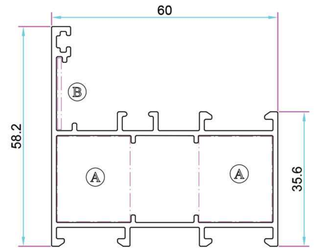
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 813

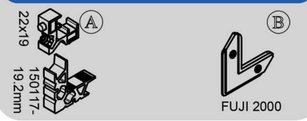


LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

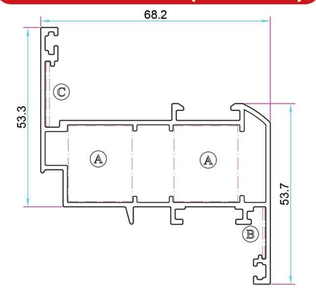
FRAME (1070 G/M)



Code:110701



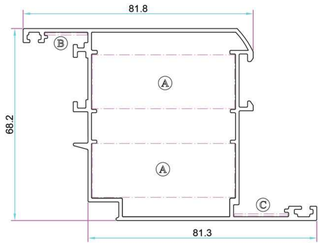
WINDOW SASH (1240 G/M)



Code:110703



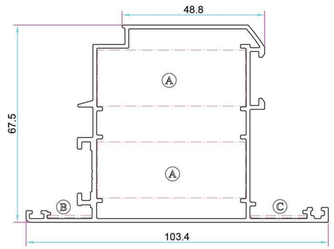
DOOR SASH (1450 G/M)



Code:110702



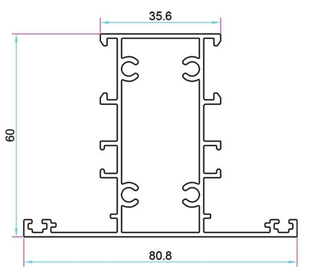
OUTSIDE DOOR SASH (1450 G/M)



Code:110706

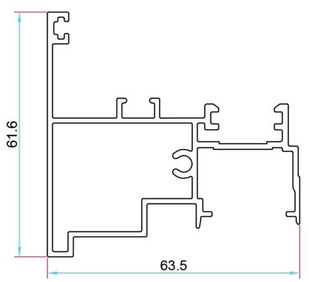


MULION (1390 G/M)



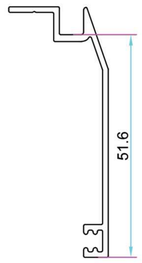
Code:110704

OVERHANG (1130 G/M)



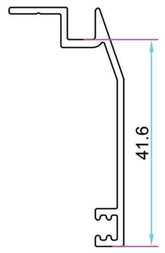
Code:110707

WALL COVER (380 G/M)



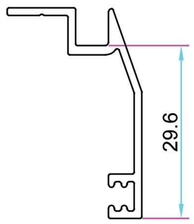
Code:150124

WALL COVER (345 G/M)



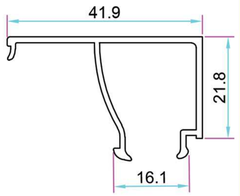
Code:150143

WALL COVER (300 G/M)



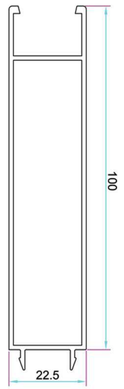
Code:150123

GLAZING (380 G/M)



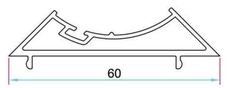
Code:110611

PANEL (1000 G/M)



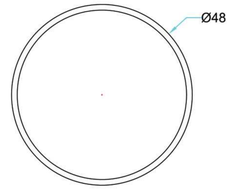
Code:150114

PIPE ADAPTOR (550 G/M)



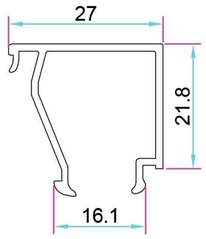
Code:150104

PIPE (650 G/M)



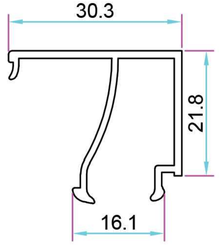
Code:150103

GLAZING (330 G/M)



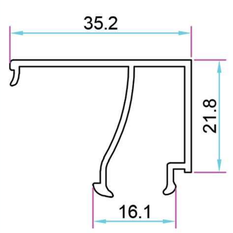
Code:110507

GLAZING (310 G/M)



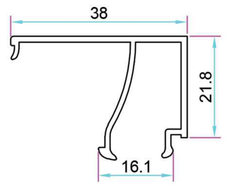
Code:110631

GLAZING (350 G/M)



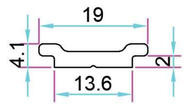
Code:110637

GLAZING (360 G/M)



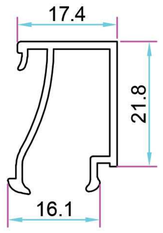
Code:110923

TIJ (147 G/M)



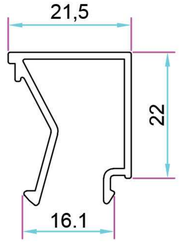
Code:150126

GLAZING (300 G/M)



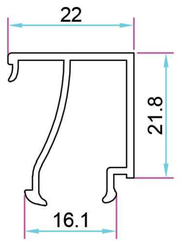
Code:110922

GLAZING (300 G/M)



Code:110307

GLAZING (315 G/M)



Code:110917



N FLAT T60 GASKETS
لاستیک های فلت نرمال لولایی سری۶۰

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



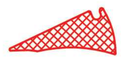
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



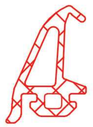
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 813



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



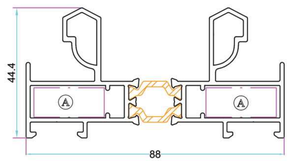
LOCATION: SASH
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 802

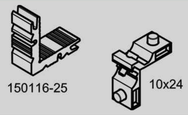


LOCATION: FRAME & MULION
USAGE: BUMPER
MATERIAL: EPDM

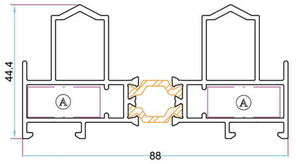
FRAME (1690 G/M)



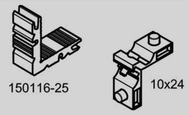
Out Code:120403 / In Code:120403



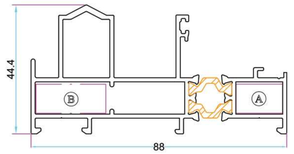
FRAME (1750 G/M)



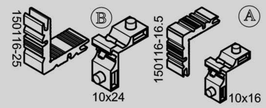
Out Code:120412 / In Code:120412



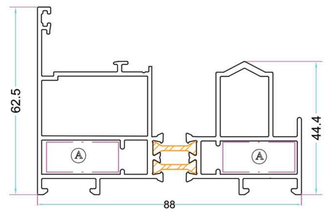
FRAME (1570 G/M)



Out Code:120414 / In Code:120409



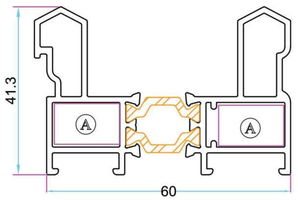
FRAME (1980 G/M)



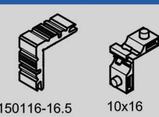
Out Code:120418 / In Code:120412



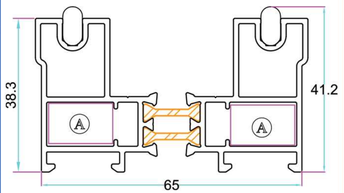
FRAME (1350 G/M)



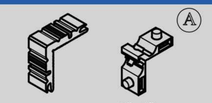
Out Code:120402 / In Code:120401



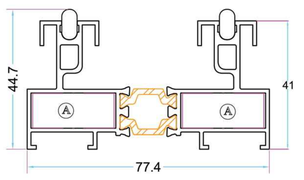
FRAME (1450 G/M)

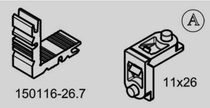


Out Code:120411 / In Code:120411



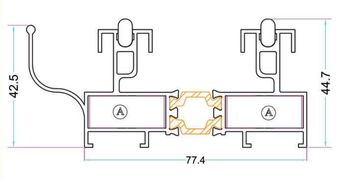
FRAME (1550 G/M)

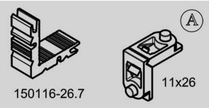




Out Code & In Code:120502

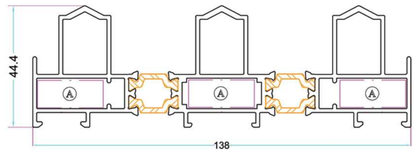
FRAME (1700 G/M)



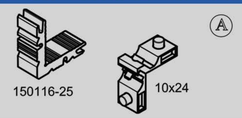


Out Code:120501 / In Code:120502

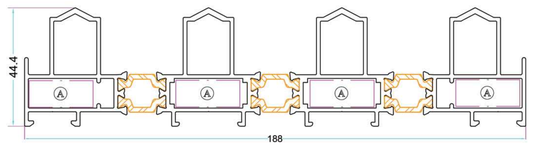
FRAME (2700 G/M)



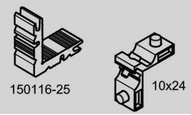
Out Code:120412 / Cent Code:120413 / In Code:120412



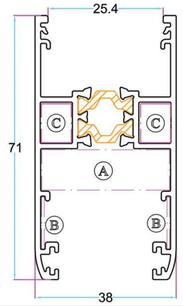
FRAME (3600 G/M)



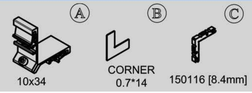
Out Code:120412 / Cent Code:120413 / In Code:120412



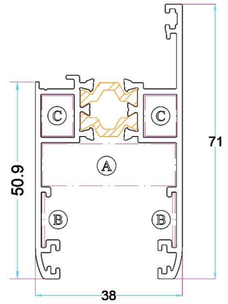
SASH (1300 G/M)



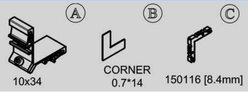
Out Code & In Code:120406



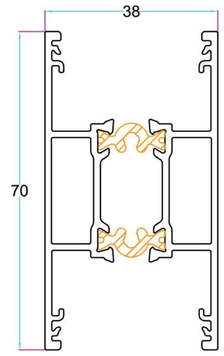
SASH (1200 G/M)



Out Code:120404 / In Code:120405

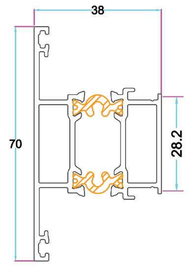


MULION (1360 G/M)



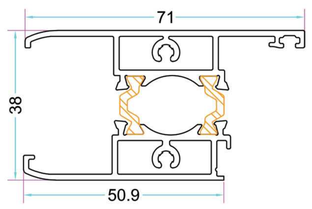
Out Code & In Code:120410

MULION (1140 G/M)



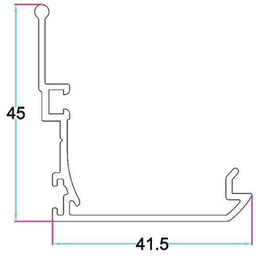
Out Code:120408 / In Code:120407

MULION (1390 G/M)



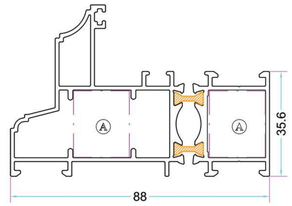
Out Code:120416 / In Code:120415

INTERLOCK (450 G/M)



Code:120107

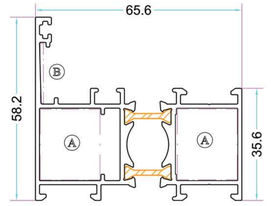
ENGRAVING FRAME 88 (1820 G/M)



Out Code:110620 / In Code:110601



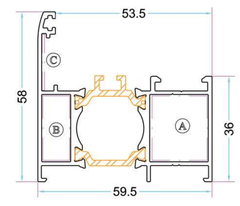
ENGRAVING FRAME 65 (1400 G/M)



Out Code:110602 / In Code:110601



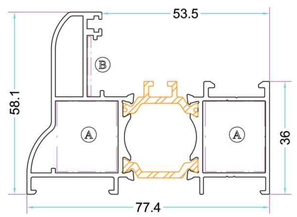
ENGRAVING FRAME 60 (1350 G/M)



Out Code:110902 / In Code:110901



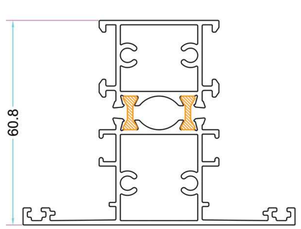
ENGRAVING FRAME 77 (1650 G/M)



Out Code:110916 / In Code:110901

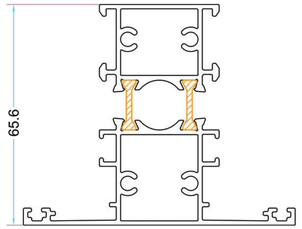


MULION ENGRAVING 60 (1550 G/M)



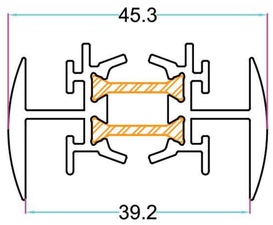
Out Code:110608 / In Code:110607

MULION ENGRAVING 65 (1750 G/M)



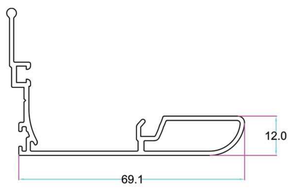
Out Code:110608 / In Code:110607

INTERCELL (1000 G/M)



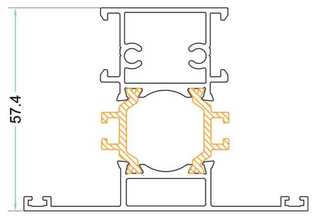
Out Code & In Code:163609

INTERLOCK (700 G/M)



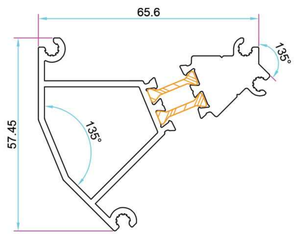
Code:120122

MULION ENGRAVING 60 (1600 G/M)



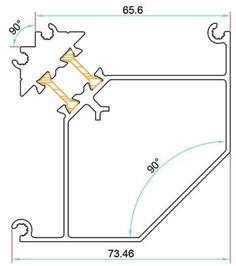
Out Code:110912 / In Code:110911

CORNER PROFILE 65 (1900 G/M)



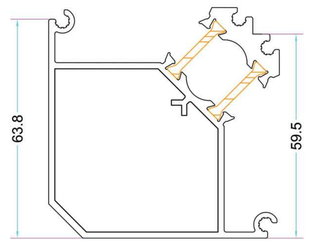
Out Code:110626 / In Code:110627

CORNER PROFILE 65 (2050 G/M)



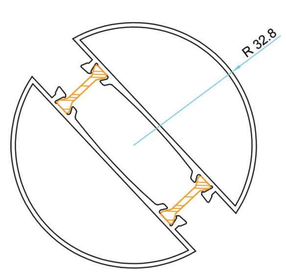
Out Code:110628 / In Code:110629

CORNER PROFILE 60 (2000 G/M)



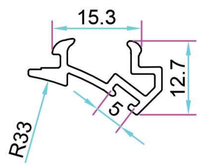
Out Code:110810 / In Code:110809

PIPE 65 (1320 G/M)



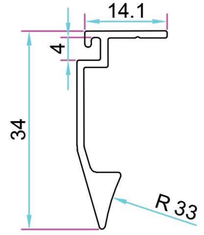
Out Code & In Code:110635

PIPE ADAPTOR 65 (210 G/M)



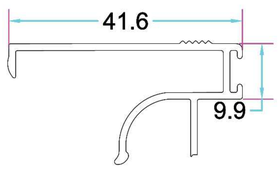
Code:110633

PIPE ADAPTOR 65 (250 G/M)



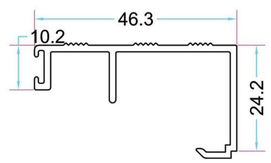
Code:110614

CAP (INTERNAL SASH) (360 G/M)



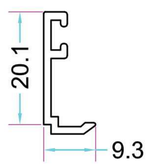
Code:120119

CAP (EXTERNAL SASH) (460 G/M)



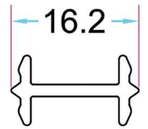
Code:120117

GLAZING (150 G/M)



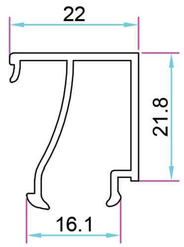
Code:120505

ENGRAVING RAIL (120 G/M)



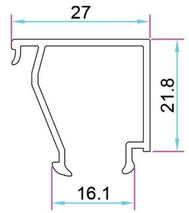
Code:121015

GLAZING (315 G/M)



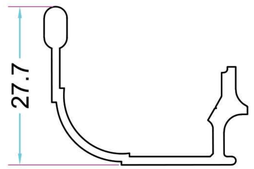
Code:110917

GLAZING (330 G/M)



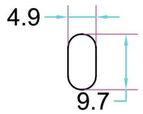
Code:110507

LACE RAIL (390 G/M)



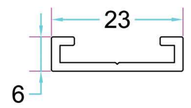
Code:120109

ALUMINIUM RAIL (130 G/M)



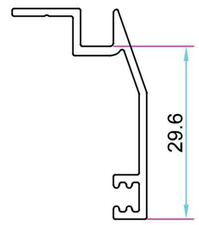
Code:120508

TIJ RAIL (150 G/M)



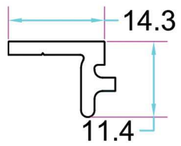
Code:150125

WALL COVER (300 G/M)



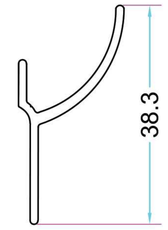
Code:150123

ENGRAVING RAIL (165 G/M)



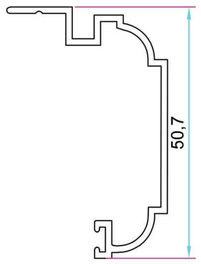
Code:120113

COLLET WATER RAIL (240 G/M)



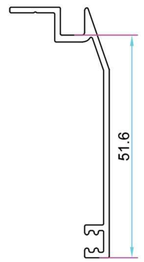
Code:120110

WALL COVER (420 G/M)



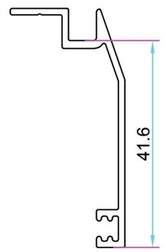
Code:150112

WALL COVER (380 G/M)



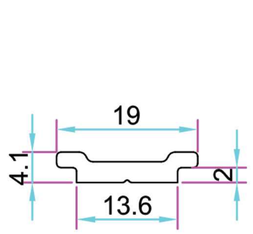
Code:150124

WALL COVER (345 G/M)



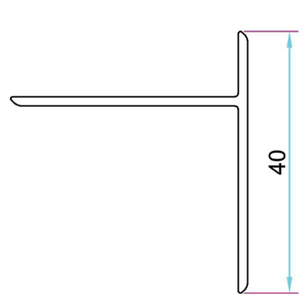
Code:150143

TIJ (147 G/M)



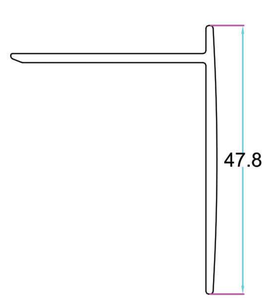
Code:150126

WALL COVER (310 G/M)



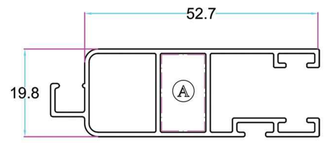
Code:150113

WALL COVER (400 G/M)

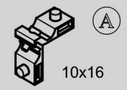


Code:150105

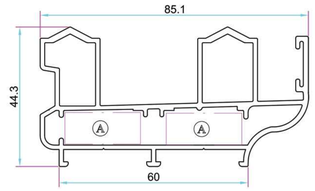
LACE (600 G/M)



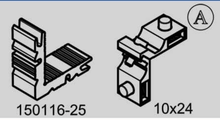
Code:140204



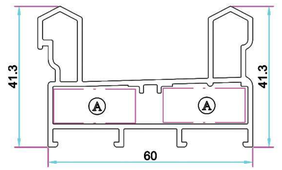
FRAME (1350 G/M)



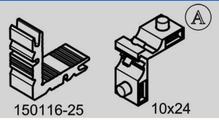
Code:120114



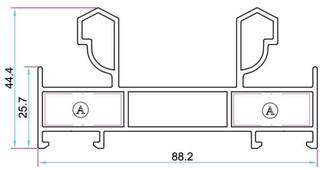
FRAME (1180 G/M)



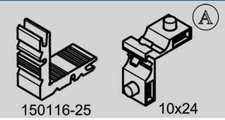
Code:120102



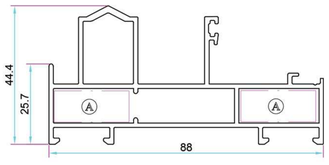
FRAME (1600 G/M)



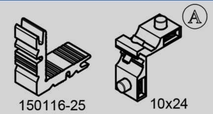
Code:120101



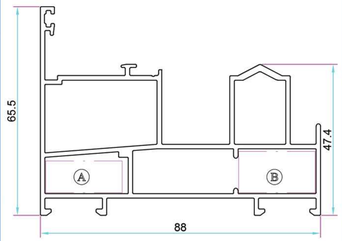
FRAME (1460 G/M)



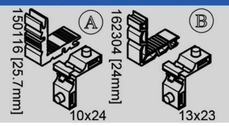
Code:120116



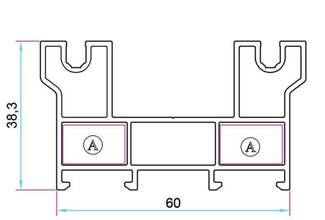
FRAME (1860 G/M)



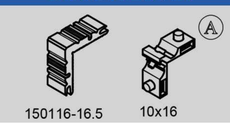
Code:120120



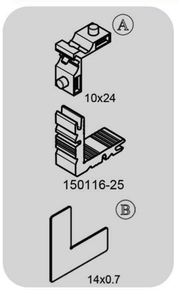
FRAME (1260 G/M)

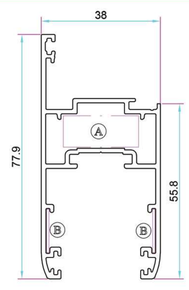


Code:120121



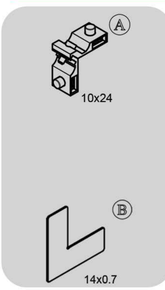
SASH (1150 G/M)

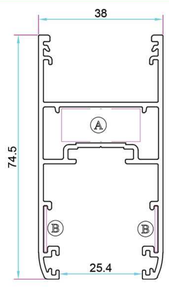




Code:120105

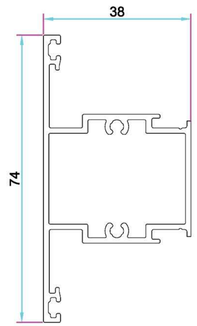
SASH (1210 G/M)





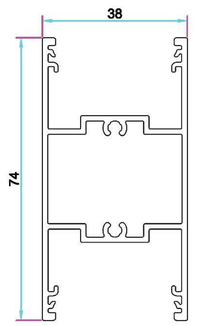
Code:120103

MULION (936 G/M)



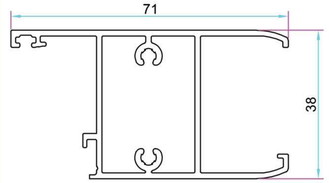
Code:120106

MULION (1190 G/M)



Code:120104

MULION (1230 G/M)

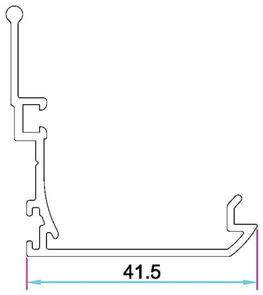


Code:120118

INTERLOCK (700 G/M)

Code:120122

INTERLOCK (450 G/M)



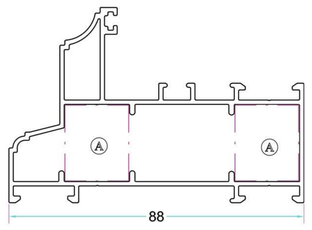
Code:120107

MULION (1390 G/M)

Code:120106

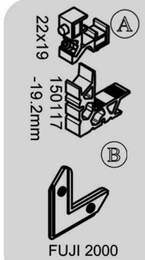
ENGRAVING FRAME 88 (1500 G/M)

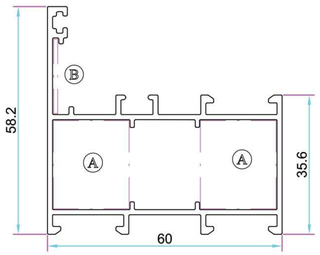




Code:110705

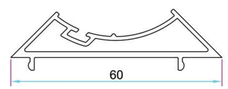
ENGRAVING FRAME 60 (1070 G/M)





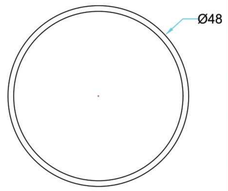
Code:110701

PIPE ADAPTOR (550 G/M)



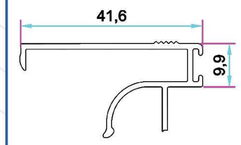
Code:150104

PIPE (650 G/M)



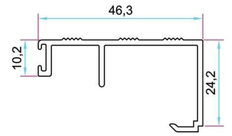
Code:150103

INTERNAL SASH CAP (345 G/M)



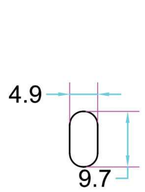
Code:120119

EXTERNAL SASH CAP (445 G/M)



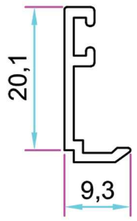
Code:120117

ALUMINIUM RAIL (130 G/M)



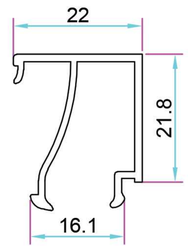
Code:120508

GLAZING (145 G/M)



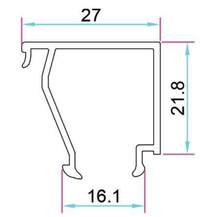
Code:120505

GLAZING (315 G/M)



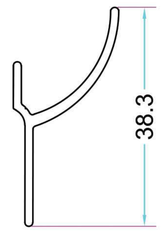
Code:110917

GLAZING (330 G/M)



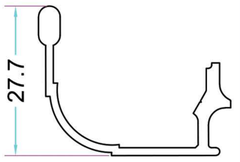
Code:110507

COLLECT WATER RAIL (240 G/M)



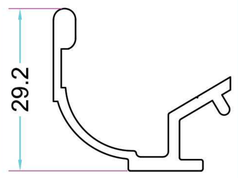
Code:120110

LACE RAIL (390 G/M)



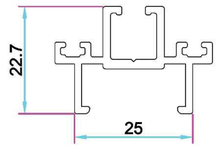
Code:120109

LACE RAIL (410 G/M)



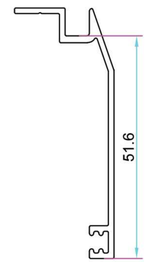
Code:120115

INTERCELL (450 G/M)



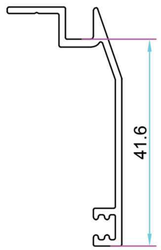
Code:120108

WALL COVER (380 G/M)



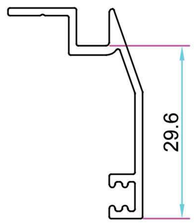
Code:150124

WALL COVER (345 G/M)



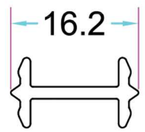
Code:150143

WALL COVER (300 G/M)



Code:150123

ENGRAVING RAIL (120 G/M)



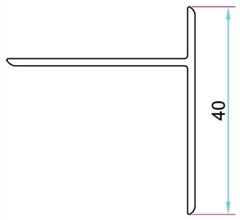
Code:121015

TIJ (147 G/M)



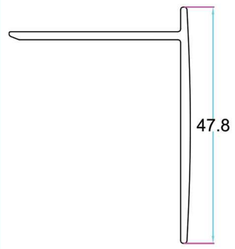
Code:150126

WALL COVER (310 G/M)



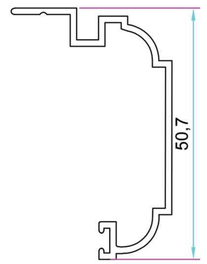
Code:150113

WALL COVER (400 G/M)



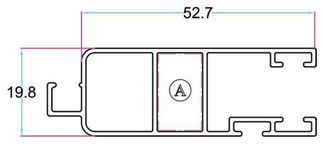
Code:150105

WALL COVER (420 G/M)

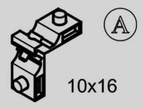


Code:150112

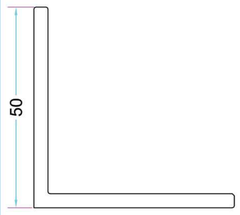
LACE (600 G/M)



Code:140204

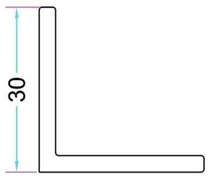


WALL COVER (1010 G/M)



Code:150111

WALL COVER (480 G/M)



Code:150110

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



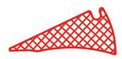
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



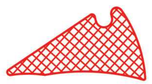
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 8 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: 69×900



LOCATION: INTERLOCK
USAGE: BRUSHING
MATERIAL: PLASTIC

CODE: B 802



LOCATION: WALL COVER & INTERCELL
USAGE: BUMPER & SEAL
MATERIAL: EPDM

CODE: B 758



LOCATION: INTERLOCK
USAGE: BUMPER & SEAL
MATERIAL: EPDM

CODE: B 901



LOCATION: CAP
USAGE: SEAL
MATERIAL: EPDM

CODE: 69×1200



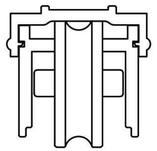
LOCATION: SASH
USAGE: BRUSHING
MATERIAL: PLASTIC

CODE: 69×700



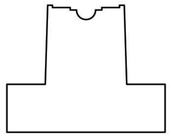
LOCATION: SASH & CAP
USAGE: BRUSHING
MATERIAL: PLASTIC

BEARING



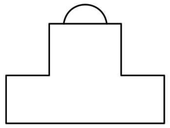
LOCATION: SASH
USAGE: SASH SLIDING
MATERIAL: STEEL

BALANCER



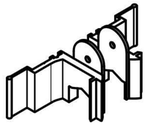
LOCATION: SASH
USAGE: BALANCING
MATERIAL: PLASTIC

STOPER



LOCATION: SASH
USAGE: BUMPER
MATERIAL: PLASTIC

INTERLOCK CAP



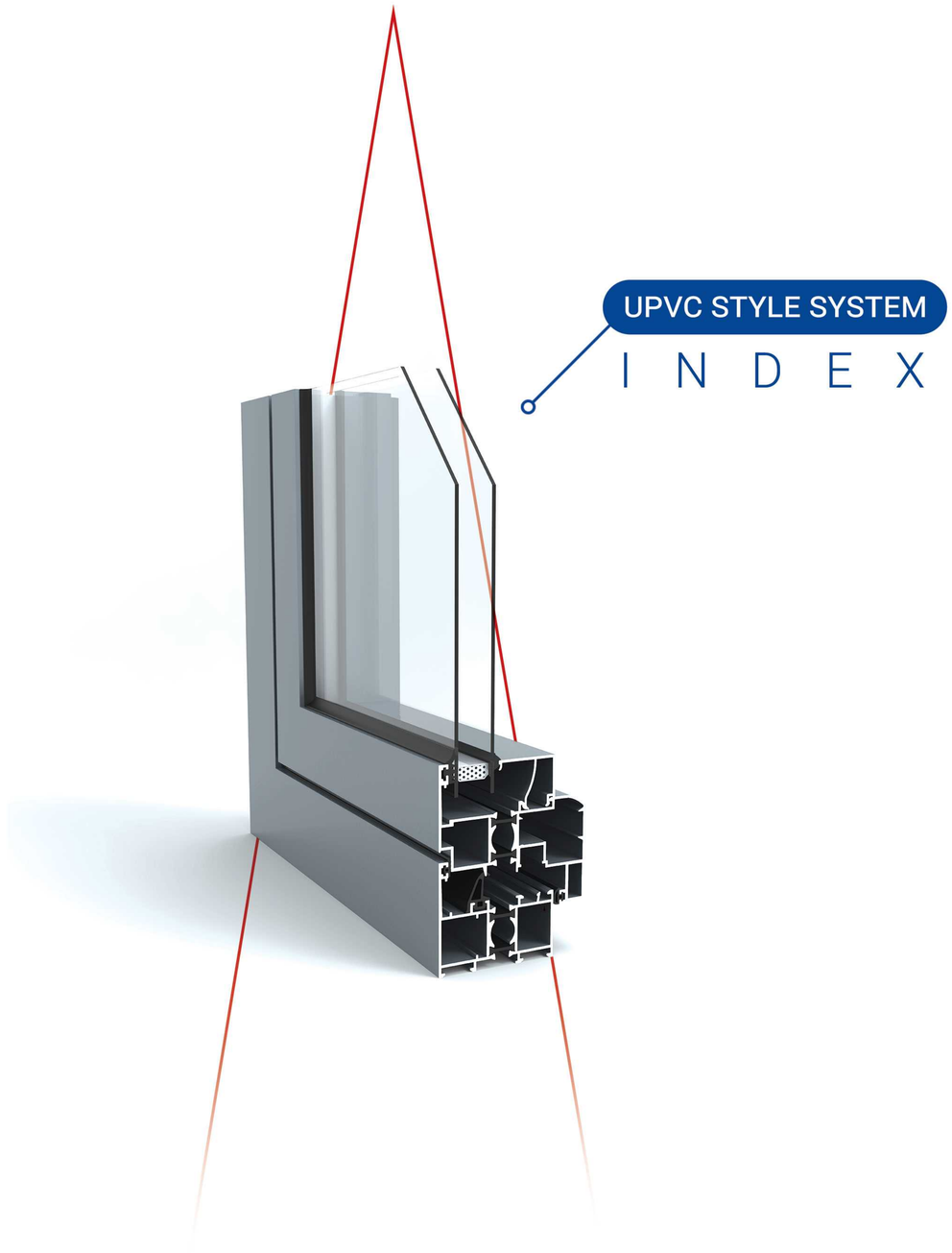
LOCATION: INTERLOCK
USAGE: SECURITY
MATERIAL: PLASTIC



57 TH UPVC STYLE



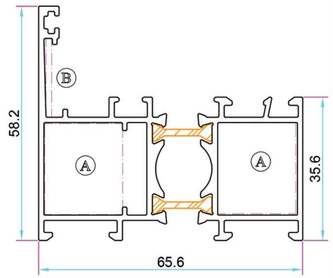
59 N UPVC STYLE



UPVC STYLE SYSTEM

INDEX

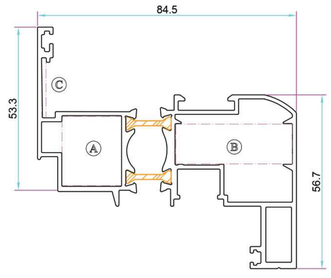
FRAME (1445 G/M)



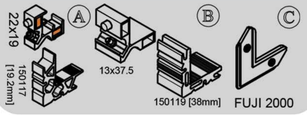
Out Code:110602 / In Code:110615



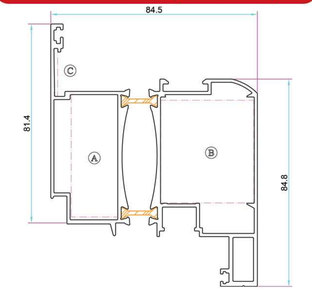
WINDOW SASH (1880 G/M)



Out Code:110606 / In Code:110641



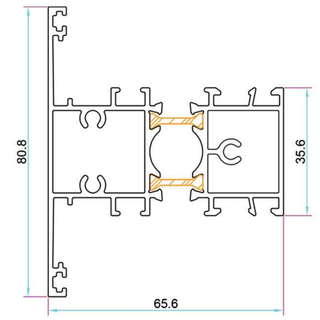
DOOR SASH (2400 G/M)



Out Code:110604 / In Code:110639

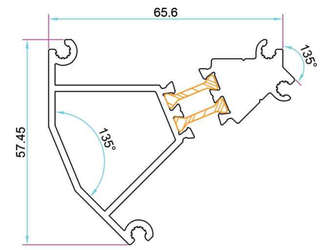


MULION (1770 G/M)



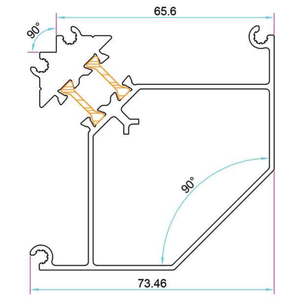
Out Code:110608 / Code:110623

CORNER PROFILE 65 (1900 G/M)



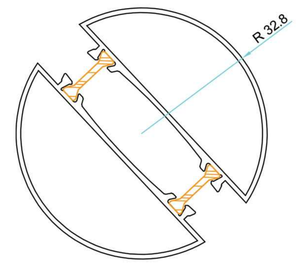
Out Code:110626 / Code:110627

CORNER PROFILE 65 (2050 G/M)



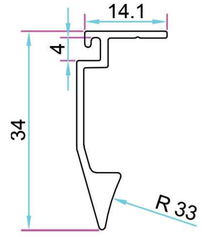
Out Code:110628 / In Code:110629

PIPE 65 (1320 G/M)



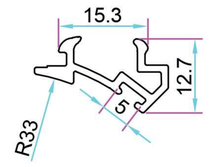
Out Code & In Code:110635

PIPE ADAPTOR 65 (250 G/M)



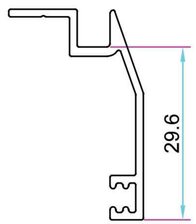
CODE:110614

PIPE ADAPTOR 65 (210 G/M)



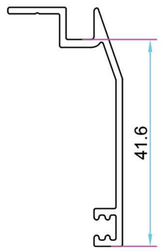
CODE:110633

WALL COVER (300 G/M)



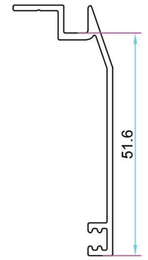
Code:150123

WALL COVER (345 G/M)



Code:150143

WALL COVER (380 G/M)

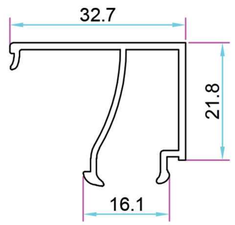


Code:150124

GLAZING (350 G/M)

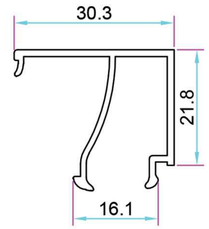
Code:110637

GLAZING (340 G/M)



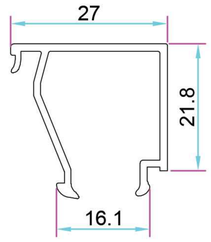
Code:110609

GLAZING (310 G/M)



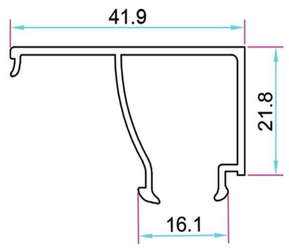
Code:110631

GLAZING (330 G/M)



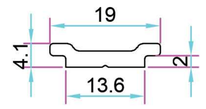
Code:110507

GLAZING (380 G/M)



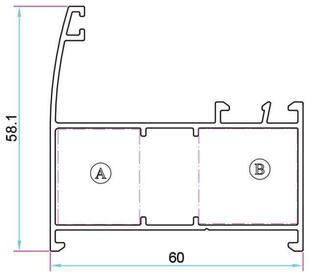
Code:110611

TIJ (147 G/M)

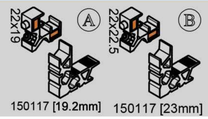


Code:150126

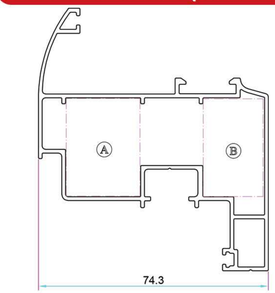
FRAME (880 G/M)



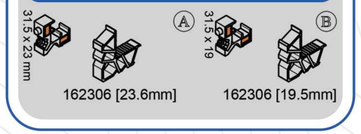
CODE:111001



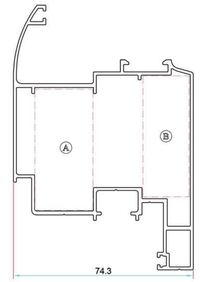
WINDOW SASH (1350 G/M)



CODE:111002



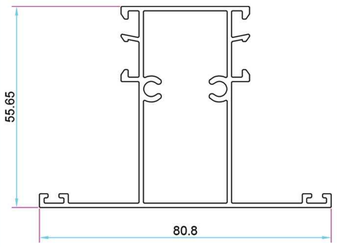
DOOR SASH (1670 G/M)



CODE:111004

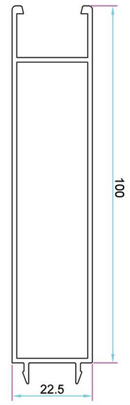


MULION (1070 G/M)



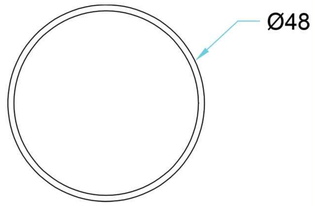
CODE:111003

PANEL (1000 G/M)



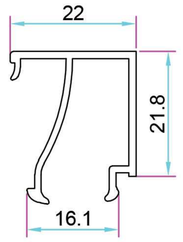
CODE:150114

PIPE (650 G/M)



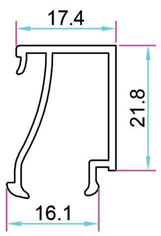
CODE:150103

GLAZING (315 G/M)



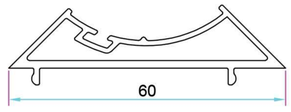
Code:110917

GLAZING (300 G/M)



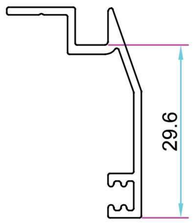
Code:110922

PIPE ADAPTOR (550 G/M)



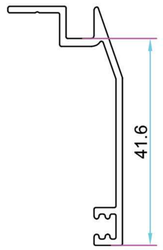
CODE:150104

WALL COVER (300 G/M)



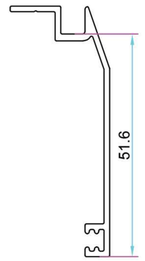
Code:150123

WALL COVER (345 G/M)



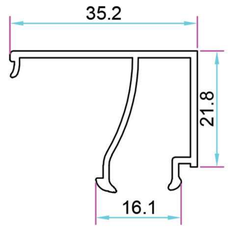
Code:150143

WALL COVER (380 G/M)



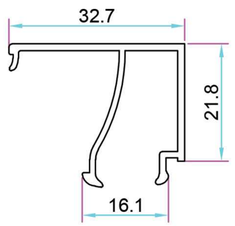
Code:150124

GLAZING (350 G/M)



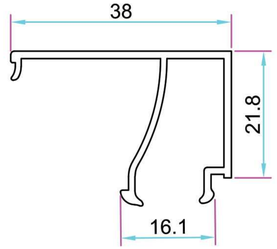
Code:110637

GLAZING (340 G/M)



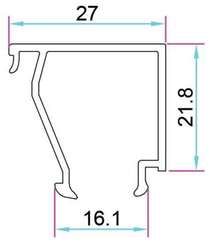
Code:110609

GLAZING (360 G/M)



Code:110923

GLAZING (330 G/M)



Code:110507

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



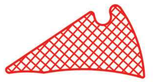
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 8 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



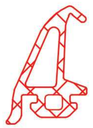
LOCATION FOR TUS: SASH
LOCATION FOR NUS:FRAME & SASH
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 802



LOCATION FOR TUS: FRAME & MULION
LOCATION FOR NUS: WALL COVER
USAGE TUS:BUMPER/USAGE NUS:SEAL
MATERIAL: EPDM

CODE: B 813



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & MULION & SASH
USAGE: GLASS CLIPPER
MATERIAL: EPDM



65 TH MASTER T

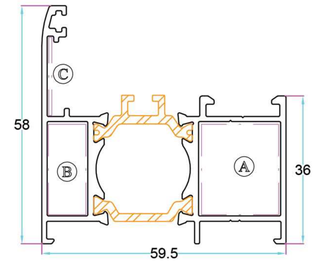


67 N MASTER T

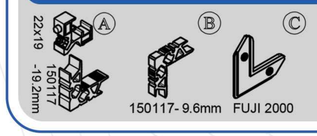


MASTER SYSTEM
INDEX

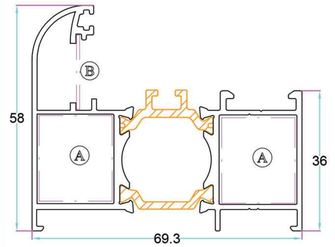
FRAME (1350 G/M)



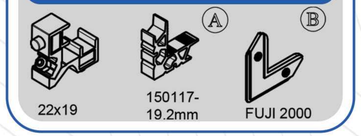
Out Code:110902 / In Code:110901



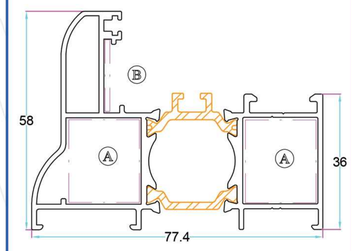
FRAME (1500 G/M)



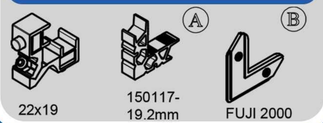
Out Code:110918 / In Code:110901



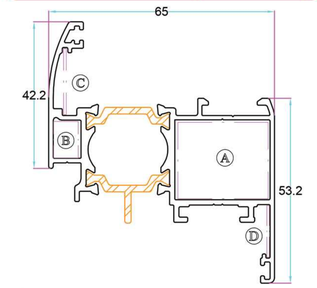
FRAME (1650 G/M)



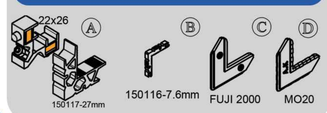
Out Code:110916 / In Code:110901



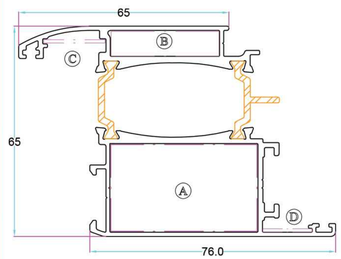
WINDOW SASH (1620 G/M)



Out Code:110906 / In Code:110905



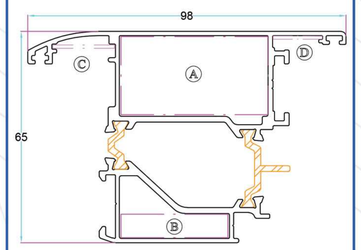
DOOR SASH (2050 G/M)



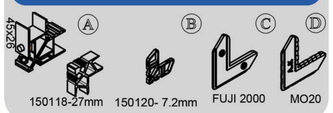
Out Code:110904 / In Code:110903



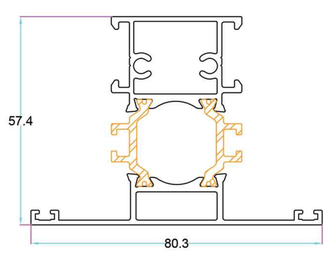
OUTSIDE DOOR SASH (2050 G/M)



Out Code:110914 / In Code:110913

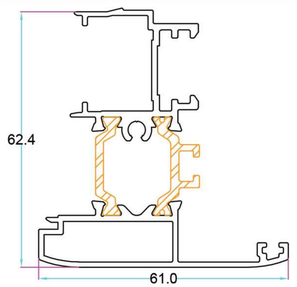


MULION (1550 G/M)



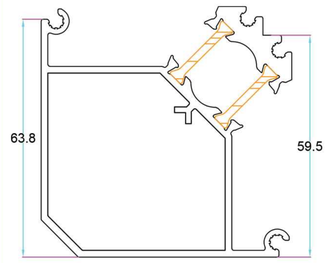
Out Code:110912 / In Code:110911

OVERHANG (1300 G/M)



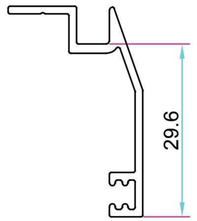
Out Code:110910 / In Code:110909

CORNER PROFILE (2000 G/M)



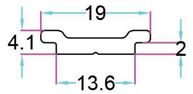
Out Code:110810 / In Code:110809

WALL COVER (300 G/M)



Code:150123

TIJ (147 G/M)



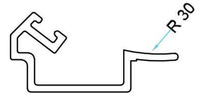
Code:150126

PIPE ADAPTOR (205 G/M)



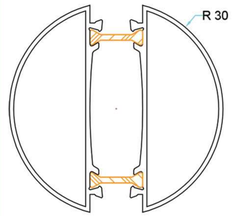
Code:150128

PIPE ADAPTOR (220 G/M)



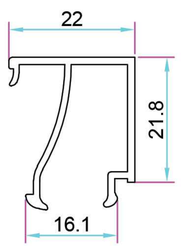
Code:150127

PIPE (1330 G/M)



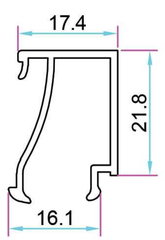
Out Code & In Code:110915

GLAZING (315 G/M)



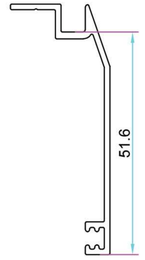
Code:110917

GLAZING (300 G/M)



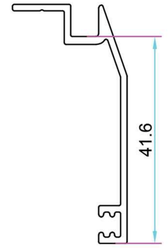
Code:110922

WALL COVER (380 G/M)



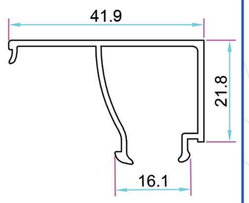
Code:150124

WALL COVER (345 G/M)



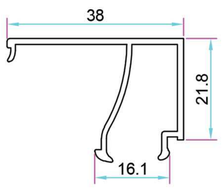
Code:150143

GLAZING (380 G/M)



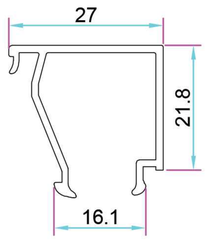
Code:110611

GLAZING (360 G/M)



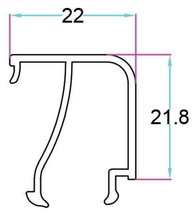
Code:110923

GLAZING (330 G/M)



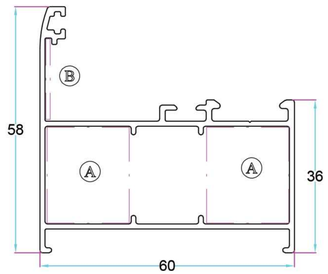
Code:110507

GLAZING (315 G/M)



Code:110919

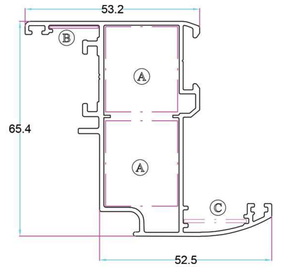
FRAME (910 G/M)



Code:110401



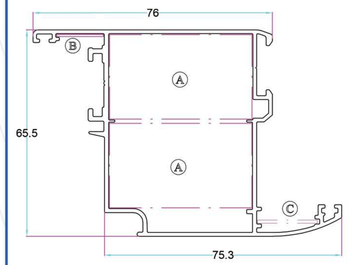
WINDOW SASH (1100 G/M)



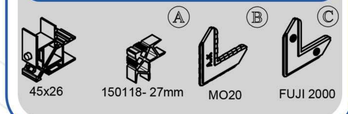
Code:110403



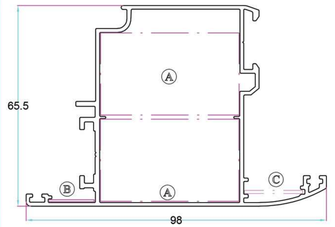
DOOR SASH (1300 G/M)



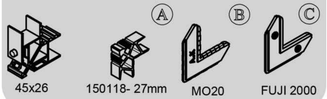
Code:110402



OUTSIDE DOOR SASH (1300 G/M)



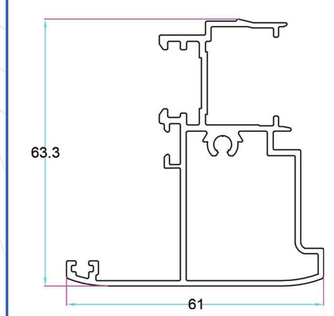
Code:110406



MULION (1180 G/M)

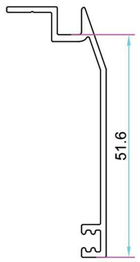
Code:110404

OVERHANG (1070 G/M)



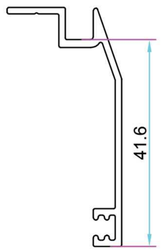
Code:110407

WALL COVER (380 G/M)



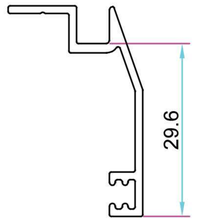
Code:150124

WALL COVER (345 G/M)



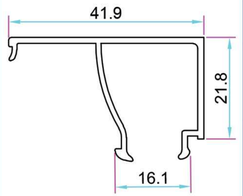
Code:150143

WALL COVER (300 G/M)



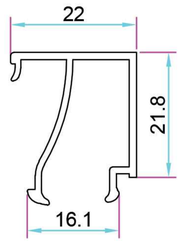
Code:150123

GLAZING (380 G/M)



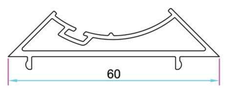
Code:110611

GLAZING (315 G/M)



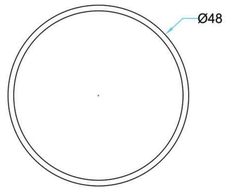
Code:110917

PIPE ADAPTOR (550 G/M)



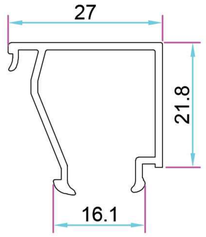
Code:150104

PIPE (650 G/M)



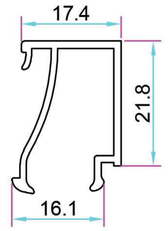
Code:150103

GLAZING (330 G/M)



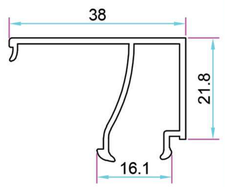
Code:110507

GLAZING (300 G/M)



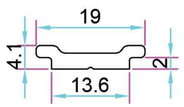
Code:110922

GLAZING (360 G/M)



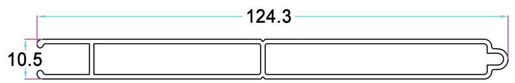
Code:110923

TIJ (147 G/M)



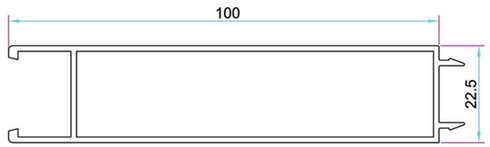
Code:150126

PANEL (950 G/M)



Code:150106

PANEL (1000 G/M)



Code:150114



TMT & NMT GASKETS
لاستیک های مستر ترمال بریک و نرمال لولایی

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



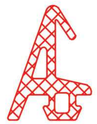
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 785/2



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



LOCATION: FRAME & SASH & MULION
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 802



LOCATION: WALL COVER
USAGE: BUMPER & SEAL
MATERIAL: EPDM





73 N GENERAL T







77 N GENERAL SL







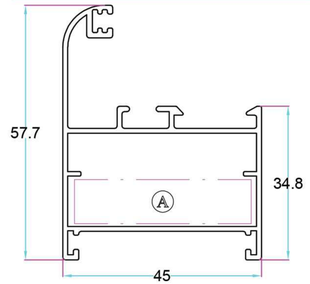
83 N GENERAL SL55

GENERAL SYSTEM

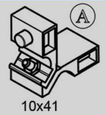
INDEX



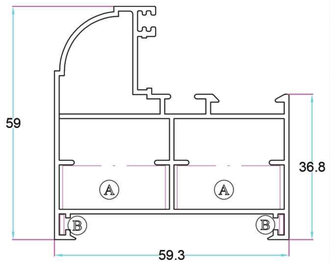
FRAME T45 (770 G/M)



Code:110310



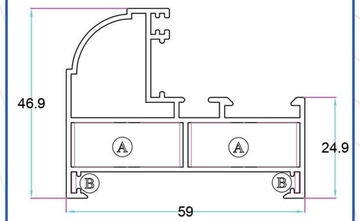
FRAME (1100 G/M)



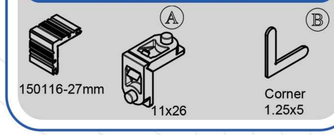
Code:110311



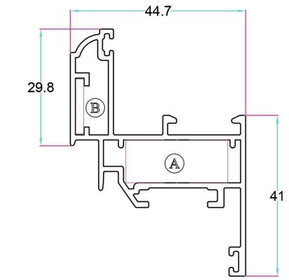
FRAME (1000 G/M)



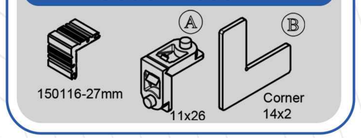
Code:110302



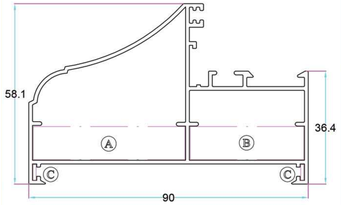
WINDOW SASH (885 G/M)



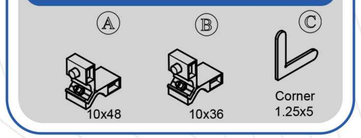
Code:110304



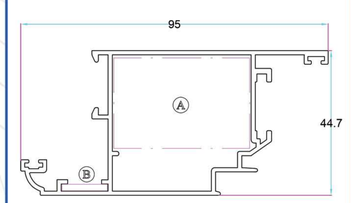
DOOR FRAME (1280 G/M)



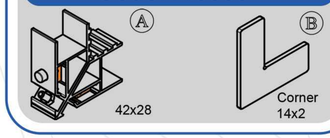
Code:110313



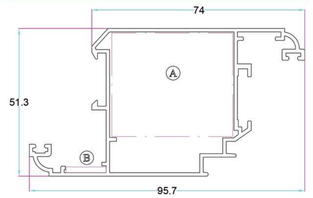
DOOR SASH (1160 G/M)



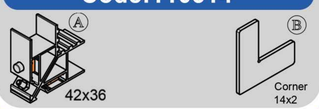
Code:110303



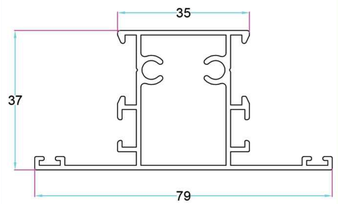
DOOR SASH (1190 G/M)



Code:110314

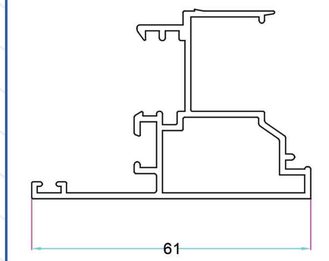


MULION (960 G/M)



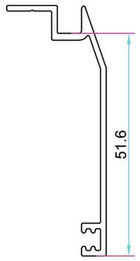
Code:110312

OVERHANG (814 G/M)



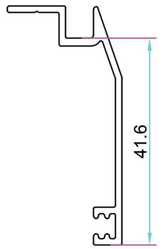
Code:110316

WALL COVER (380 G/M)



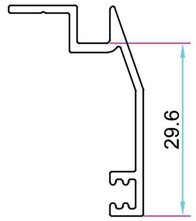
Code:150124

WALL COVER (345 G/M)



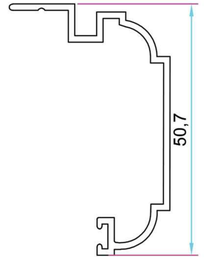
Code:150143

WALL COVER (300 G/M)



Code:150123

WALL COVER (420 G/M)

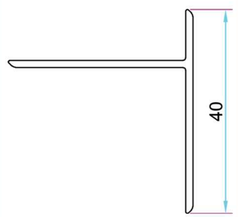


Code:150112

WALL COVER (400 G/M)

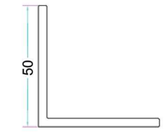
Code:150105

WALL COVER (310 G/M)



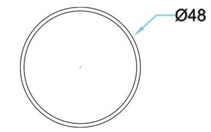
Code:150113

WALL COVER (1010 G/M)



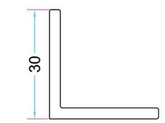
Code:150111

PIPE (650 G/M)



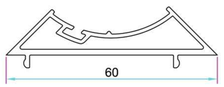
Code:150103

WALL COVER (480 G/M)



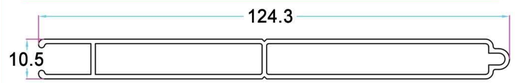
Code:150110

PIPE ADAPTOR (550 G/M)



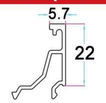
Code:150104

PANEL (950 G/M)



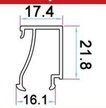
Code:150106

GLAZING (250 G/M)



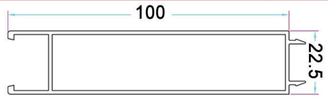
Code:110308

GLAZING (300 G/M)



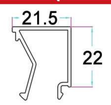
Code:110922

PANEL (1000 G/M)



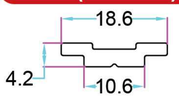
Code:150114

GLAZING (300 G/M)



Code:110307

TIJ (145 G/M)



Code:150101



N GENERAL T GASKETS لاستیک های جنرال نرمال لولایی

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



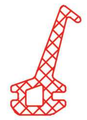
LOCATION: FRAME & SASH & MULION
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 729



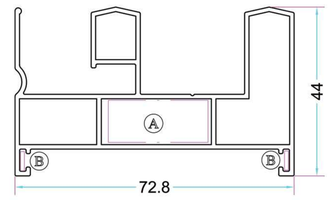
LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 602



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

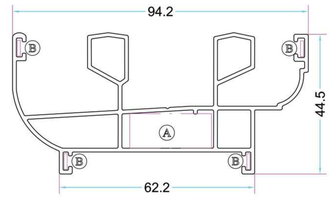
FRAME (1210 G/M)



Code:120301



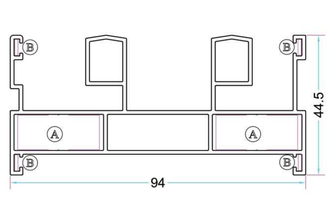
FRAME (1450 G/M)



Code:120302



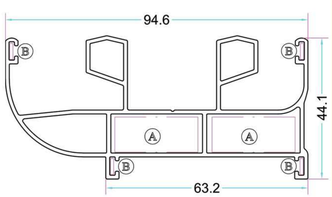
FRAME (1590 G/M)



Code:120303



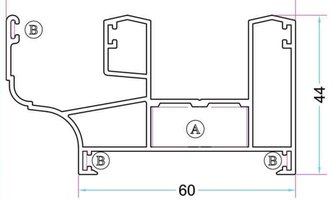
FRAME (1500 G/M)



Code:120304



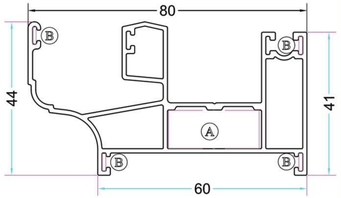
FRAME (1290 G/M)



Code:120305



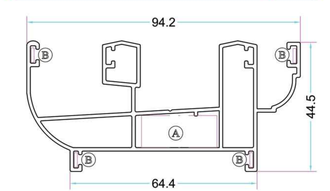
FRAME (1280 G/M)



Code:120306



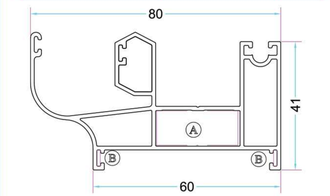
FRAME (1530 G/M)



Code:120307



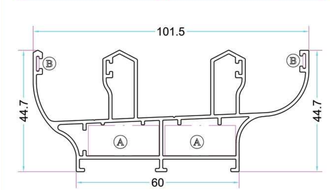
FRAME (1250 G/M)



Code:120308



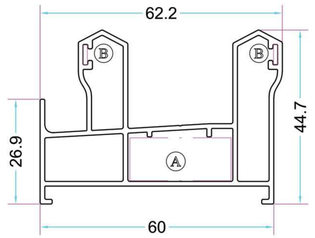
FRAME (1480 G/M)



Code:120316



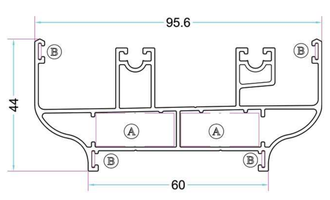
FRAME (1110 G/M)



Code:120317



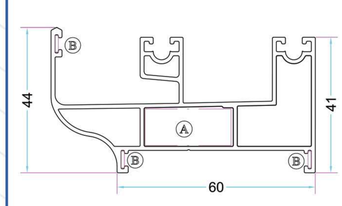
FRAME (1500 G/M)



Code:120322



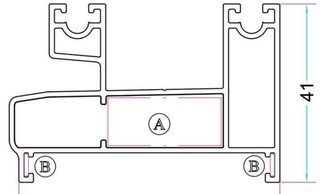
FRAME (1320 G/M)



Code:120323



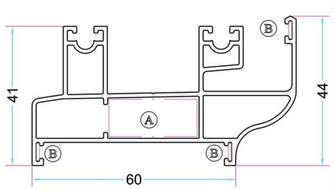
FRAME (1050 G/M)



Code:120326



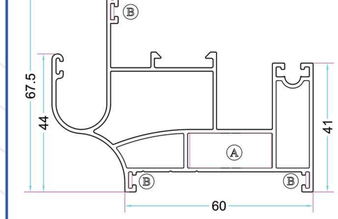
FRAME (1290 G/M)



Code:120327



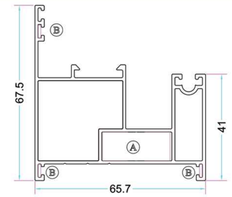
FRAME (1460 G/M)



Code:120309



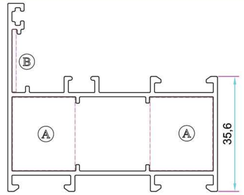
FRAME (1220 G/M)



Code:120319



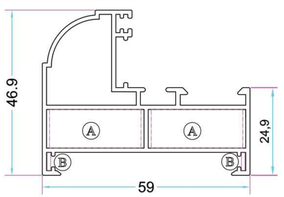
ENGRAVING FRAME (1200 G/M)



Code:110315



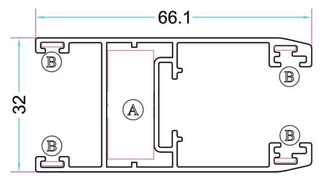
ENGRAVING FRAME (1000 G/M)



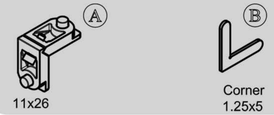
Code:110302



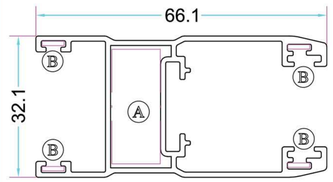
SASH (913 G/M)



Code:120311



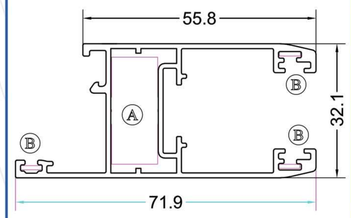
SASH (913 G/M)



Code:120310



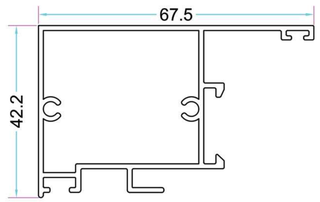
SASH (920 G/M)



Code:120324

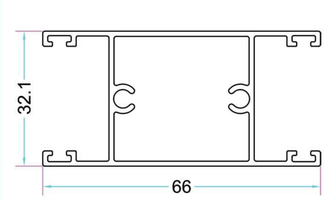


MONORAIL FRAME MULION (900 G/M)



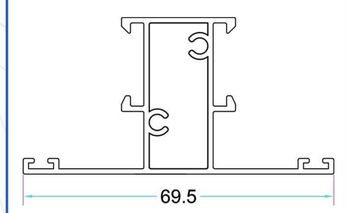
Code:120318

SASH MULION (850 G/M)



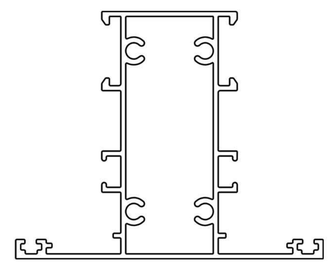
Code:120312

DIVIDER MULION (750 G/M)



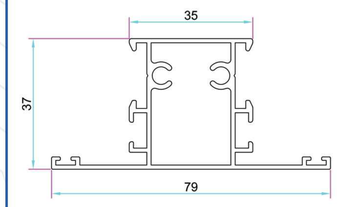
Code:120320

MULION (1450 G/M)



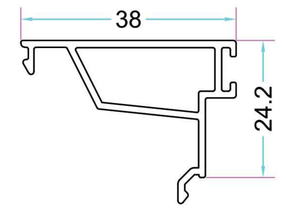
Code:110317

MULION (920 G/M)



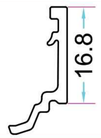
Code:110312

CAP (400 G/M)



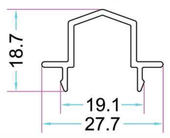
Code:120321

GLAZING (140 G/M)



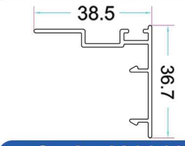
Code:120325

INTERCELL (220 G/M)



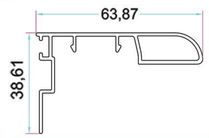
Code:120314

INTERLOCK (350 G/M)



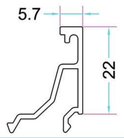
Code:120313

INTERLOCK (600 G/M)



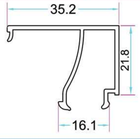
Code:120330

GLAZING (250 G/M)



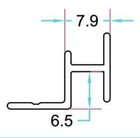
Code:110308

GLAZING (350 G/M)



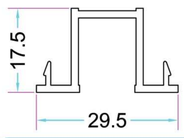
Code:110637

INGRAVING RAIL (120 G/M)



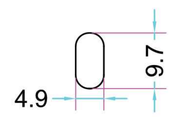
Code:150131

GLASS ADAPTOR (300 G/M)



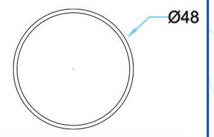
Code:120315

ALUMINIUM RAIL (130 G/M)



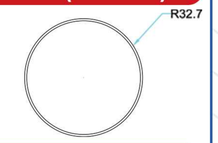
Code:120508

PIPE (650 G/M)



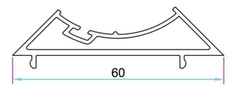
Code:150103

PIPE (720 G/M)



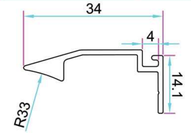
Code:120329

PIPE ADAPTOR (550 G/M)



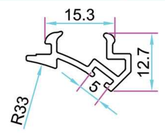
Code:150104

PIPE ADAPTOR (330 G/M)



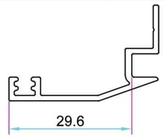
Code:110614

PIPE ADAPTOR (190 G/M)



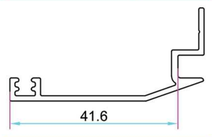
Code:110633

WALL COVER (300 G/M)



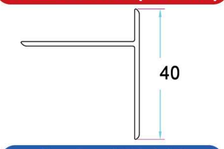
Code:150123

WALL COVER (345 G/M)



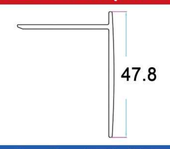
Code:150143

WALL COVER (310 G/M)



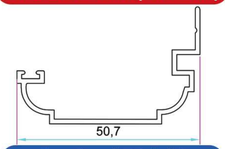
Code:150113

WALL COVER (400 G/M)



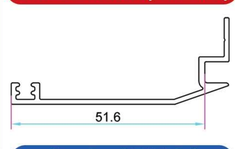
Code:150105

WALL COVER (420 G/M)



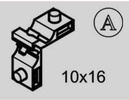
Code:150112

WALL COVER (380 G/M)

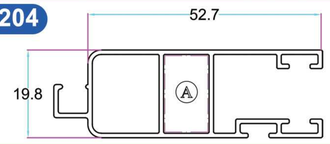


Code:150124

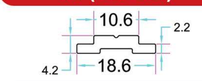
LACE (600 G/M)



Code:140204



TIJ (145 G/M)



Code:150101

N GENERAL SL GASKETS
لاستیک های جنرال نرمال کشویی

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



LOCATION: PIPE ADAPTOR
USAGE: SEAL
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: 69×1200



LOCATION: SASH & CAP
USAGE: BRUSHING
MATERIAL: PLASTIC

CODE: B 802



LOCATION: WALL COVER
USAGE: SEAL
MATERIAL: EPDM

N GENERAL SL GASKETS & ACCESSORIES
لاستیک ها و ملحقات جنرال نرمال کشویی

CODE: 69×900



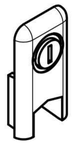
LOCATION: INTERLOCK
USAGE: BRUSHING
MATERIAL: PLASTIC

CODE: 69×700



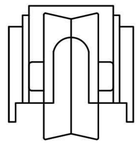
LOCATION: SASH & CAP
USAGE: BRUSHING
MATERIAL: PLASTIC

INTERLOCKCAP



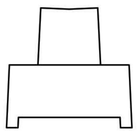
LOCATION: INTERLOCK
USAGE: SECURITY
MATERIAL: PLASTIC

BEARING



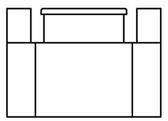
LOCATION: SASH
USAGE: SASH SLIDING
MATERIAL: STEEL

BALANCER



LOCATION: SASH
USAGE: BALANCING
MATERIAL: PLASTIC

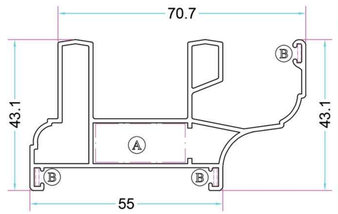
STOPER



LOCATION: SASH
USAGE: BUMPER
MATERIAL: PLASTIC

N GENERAL SL55 جنرال نرمال کشویی سری ۵۵

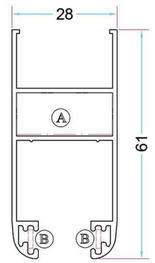
FRAME (1060 G/M)



Code:120701



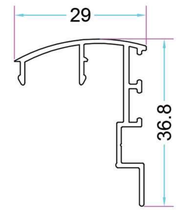
SASH (710 G/M)



Code:120702



INTERLOCK (290 G/M)



Code:120703

N GENERAL SL55 GASKETS & ACCESSORIES لاستیک ها و ملحقات جنرال نرمال کشویی سری ۵۵

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: 69×900



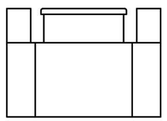
LOCATION: INTERLOCK
USAGE: BRUSHING
MATERIAL: PLASTIC

CODE: 69×700



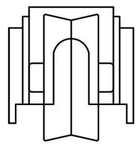
LOCATION: SASH & CAP
USAGE: BRUSHING
MATERIAL: PLASTIC

STOPER



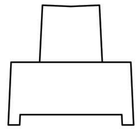
LOCATION: SASH
USAGE: BUMPER
MATERIAL: PLASTIC

BEARING



LOCATION: SASH
USAGE: SASH SLIDING
MATERIAL: STEEL

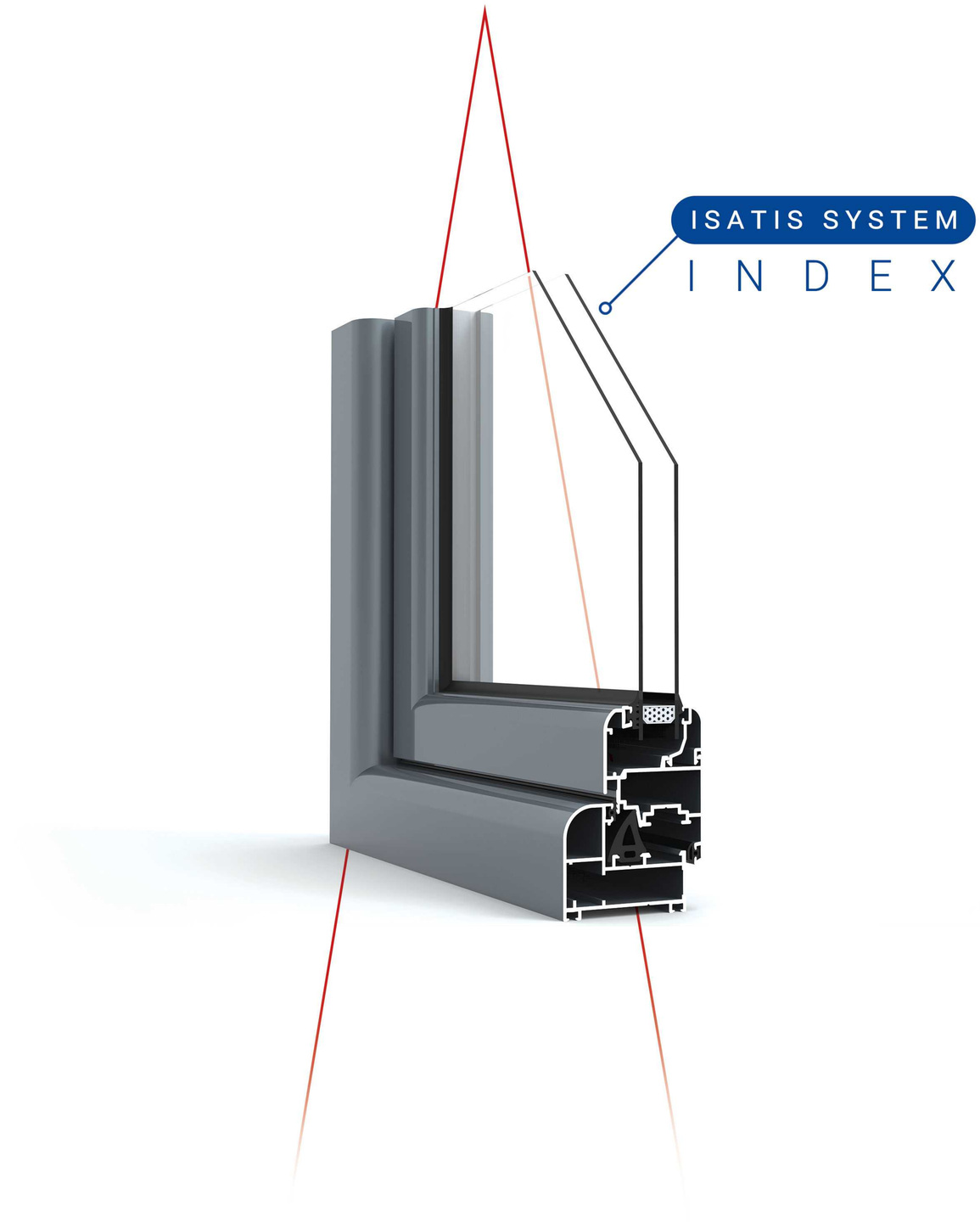
BALANCER



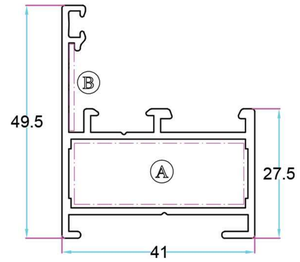
LOCATION: SASH
USAGE: BALANCING
MATERIAL: PLASTIC



87 ISATIS



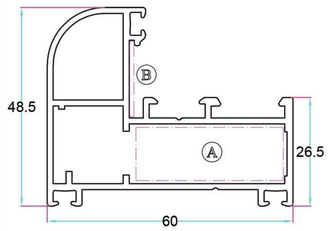
FRAME (825 G/M)



Code:111104



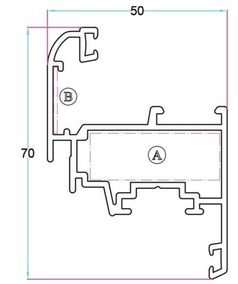
FRAME (1210 G/M)



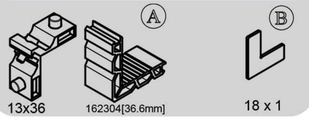
Code:111101



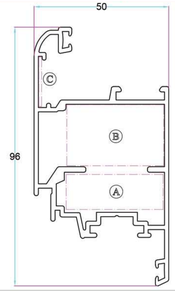
WINDOW SASH (1265 G/M)



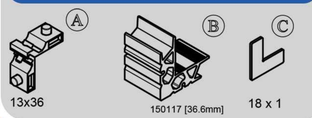
Code:111103



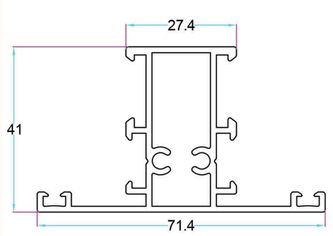
DOOR SASH (1700 G/M)



Code:111102

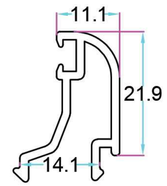


MULION (1090 G/M)



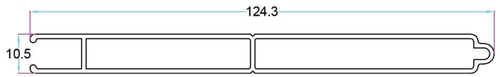
Code:111105

GLAZING (320 G/M)



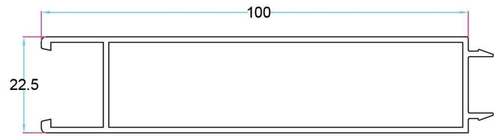
Code:111106

PANEL (950 G/M)



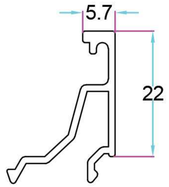
Code:150106

PANEL (1000 G/M)



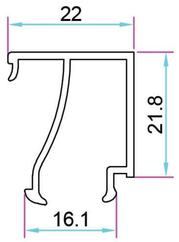
Code:150114

GLAZING (250 G/M)



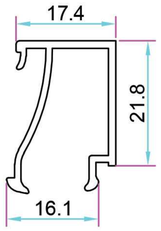
Code:110308

GLAZING (315 G/M)



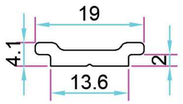
Code:110917

GLAZING (300 G/M)



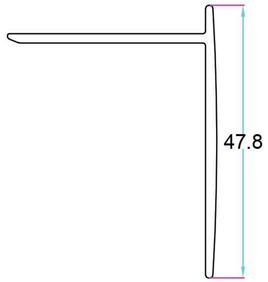
Code:110922

TIJ (300 G/M)



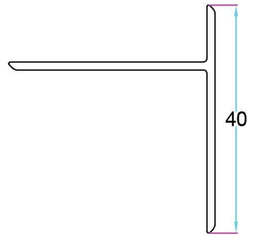
Code:150126

WALL COVER (400 G/M)



Code:150105

WALL COVER (310 G/M)



Code:150113



ISATIS GASKETS
لاستیک‌های ایساتیس

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



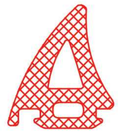
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 821



LOCATION: FRAME & MULION
USAGE: THERMAL INSULATION
MATERIAL: EPDM

CODE: B 729



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 680



LOCATION: SASH
USAGE: BUMPER
MATERIAL: EPDM

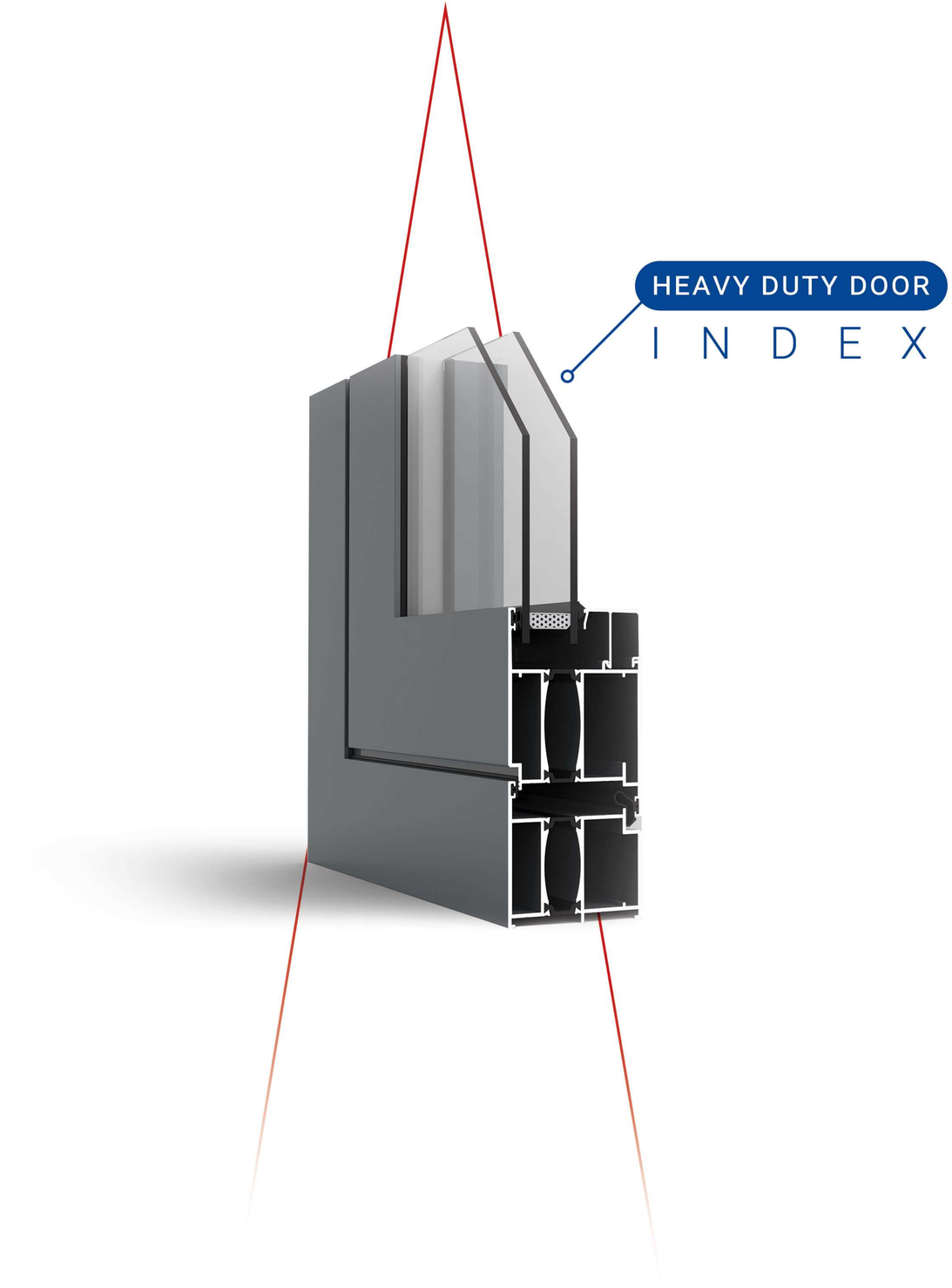
CODE: B 802



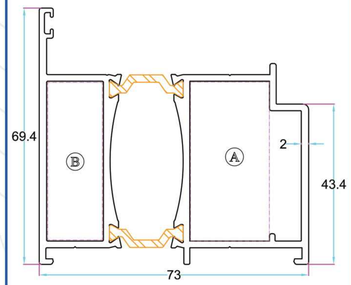
LOCATION: FRAME & MULION
USAGE: BUMPER
MATERIAL: EPDM



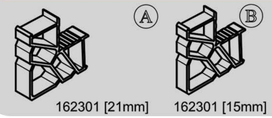
93 HEAVY DUTY DOOR



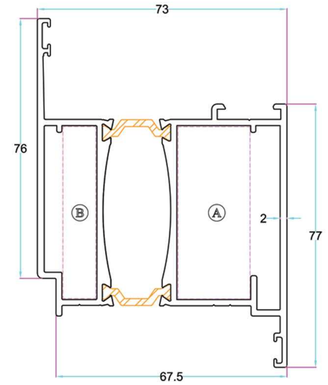
FRAME (2170 G/M)



Out Code:111202 / In Code:111201



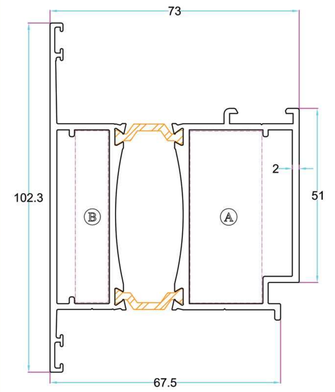
SASH (2600 G/M)



Out Code:111204 / In Code:111203



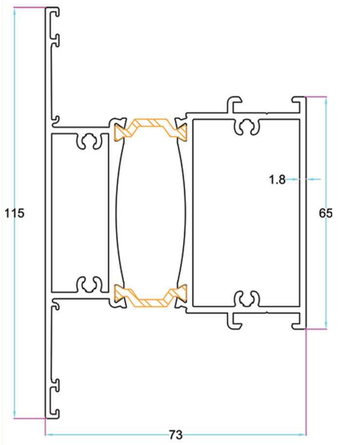
OUTSIDE SASH (2500 G/M)



Out Code:111214 / In Code:111215

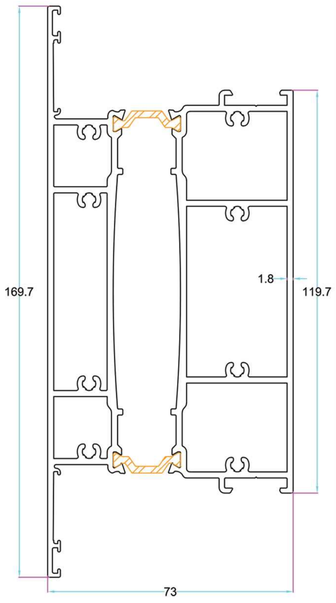


MULION (2800 G/M)



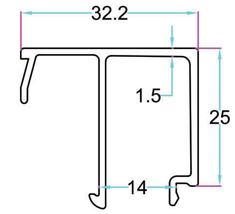
Out Code:111206 / In Code:111205

MULION (4700 G/M)



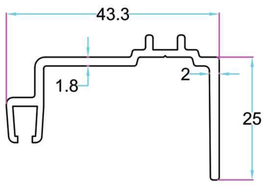
Out Code:111208 / In Code:111207

GLAZING (400 G/M)



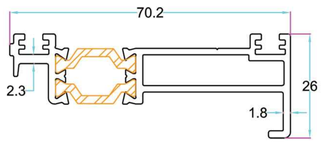
Code:111223

INTERCELL (470 G/M)



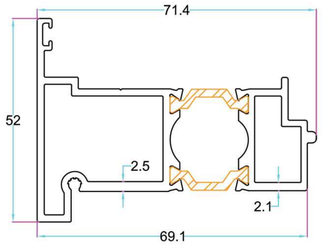
Code:111209

INTERCELL (1100 G/M)



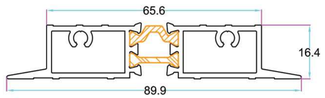
Out Code:111218 / In Code:111217

INTERCELL (1650 G/M)



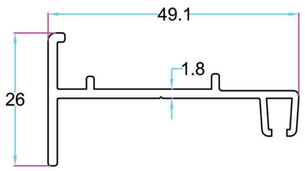
Out Code:111212 / In Code:111213

THRESHOLD (1050 G/M)



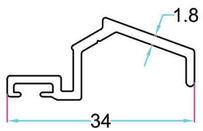
Out Code & In Code:110618

INTERCELL (445 G/M)



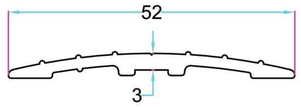
Code:111216

INTERCELL (270 G/M)



Code:111210

THRESHOLD (380 G/M)



Code:111211



HEAVY DUTY DOOR GASKETS
لاستیک های درب سنگین

CODE: B 160



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



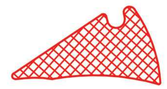
LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 767



LOCATION: FRAME & SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 8 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 822

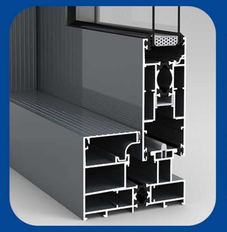


LOCATION: BUMPER & SEAL
USAGE: EPDM
MATERIAL: EPDM

CODE: B 802



LOCATION: FRAME & ADAPTOR & MULION
USAGE: BUMPER
MATERIAL: EPDM

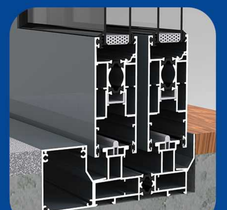




99 TH LIFT 94 MONO



TH LIFT 94 DOUBLE



TH LIFT 94 DOUBLE WITH GUTTER



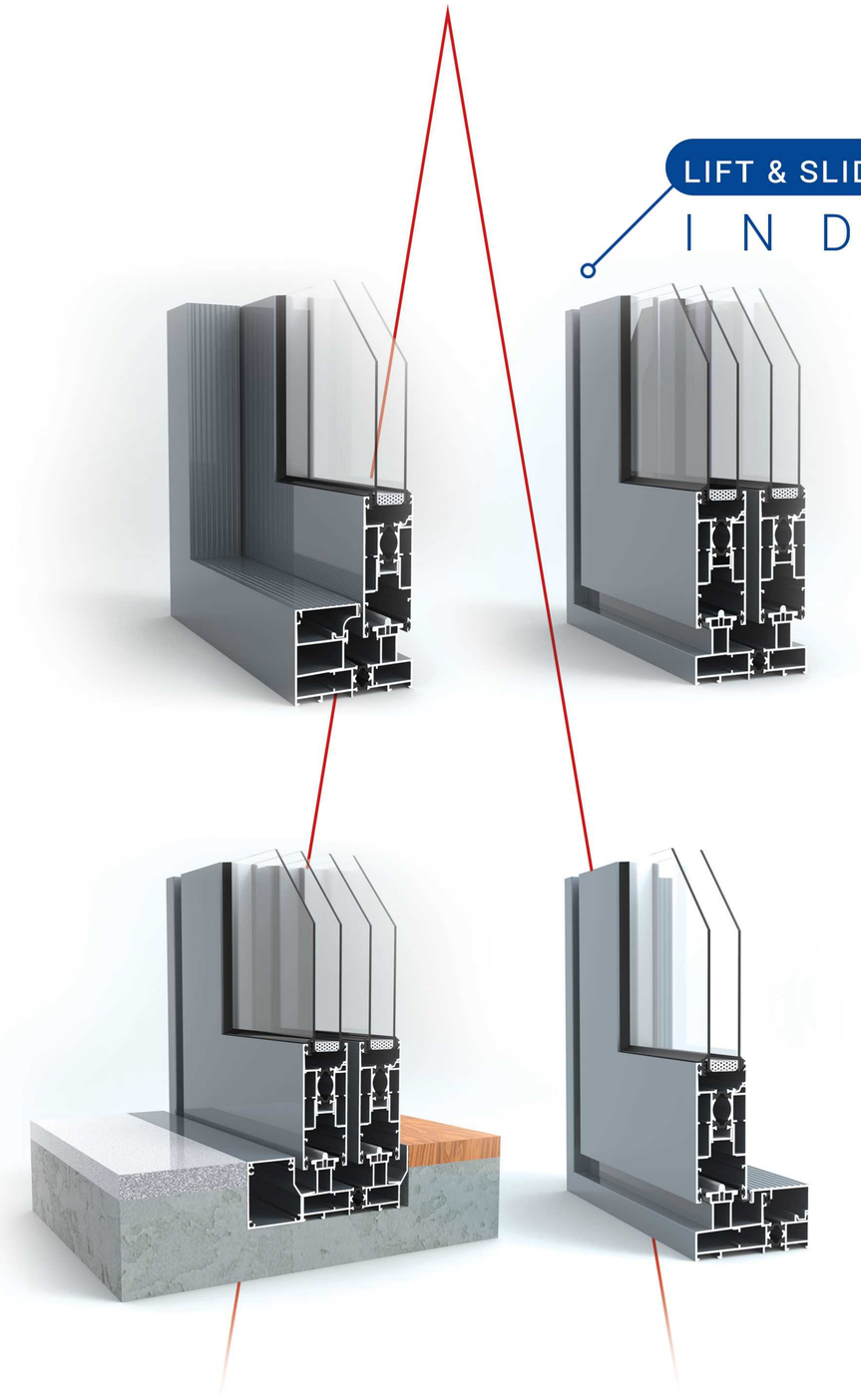
TH LIFT 94 TRIPLE



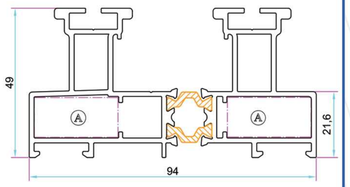
TH LIFT 94 QUADRUPLE

LIFT & SLIDE 94

INDEX



FRAME (2350 G/M)

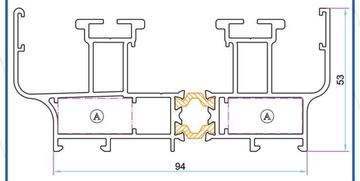


Out Code:121002 / In Code:121001


150119-27.4


13x27

FRAME (2800 G/M)

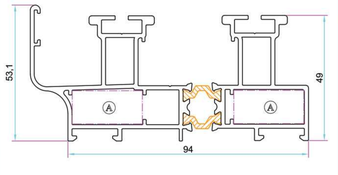


Out Code:121004 / In Code:121003


150119-27.4


13x27

FRAME (2600 G/M)

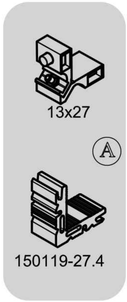


Out Code:121004 / In Code:121001

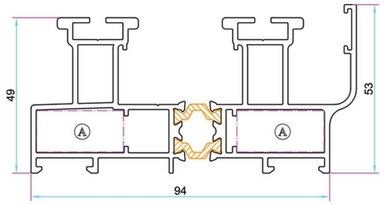

150119-27.4


13x27

FRAME (2570 G/M)


13x27

150119-27.4

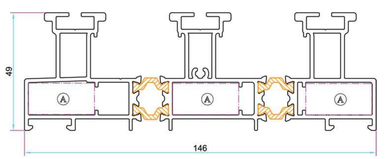


Out Code:121002 / In Code:121003

FRAME (3600 G/M)

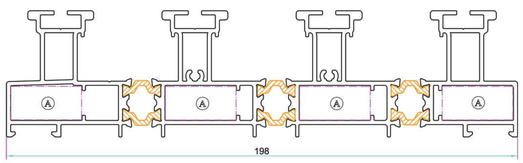

13x27

150119-27.4



Out Code:121002 /Cent Code:121031/ In Code:121001

FRAME (4800 G/M)

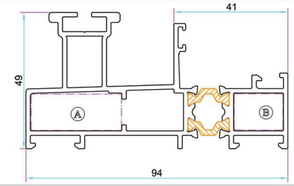


Out Code:121002 /Cent Code:121031/ In Code:121001


150119-27.4


13x27

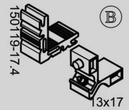
FRAME (2100 G/M)



Out Code:121012 / In Code:121021

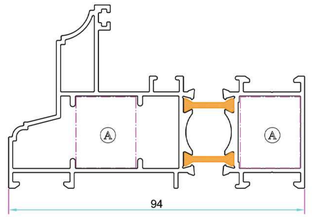

150119-32.4


13x32


150119-17.4

13x17

ENGRAVING FRAME (1850 G/M)

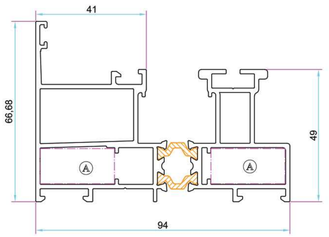


Out Code:110620 / In Code:110601


150117 [19.2mm]


22x19

FRAME (2640 G/M)

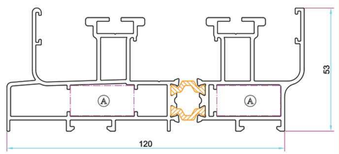


Out Code:121018 / In Code:121001


150119-27.4


13x27

FRAME (3200 G/M)

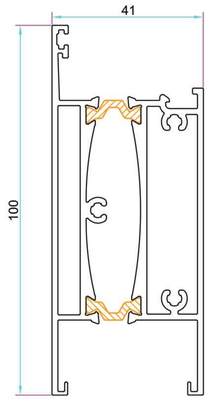


Out Code:121022 / In Code:121003


150119-27.4

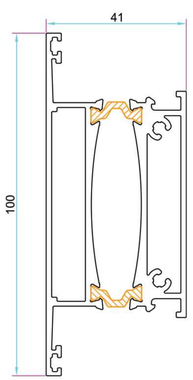

13x27

MONORAIL FRAME MULION (2300 G/M)



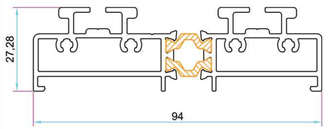
Out Code:121014 / In Code:121023

SASH MULION (2250 G/M)



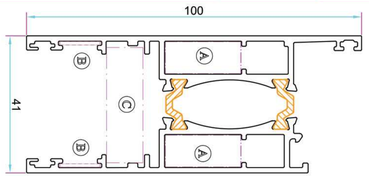
Out Code:121008 / In Code:121007

SLIM FRAME (1900 G/M)



Out Code:121016 / In Code:121027

SLIDE SASH (2150 G/M)



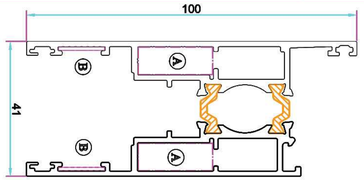
Out Code:121010 / In Code:121009


150117-9.6


12x1

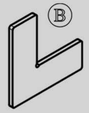

10x34

LIFT SASH (2050 G/M)

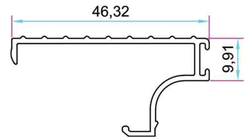


Out Code:121006 / In Code:121005


150117-8.3

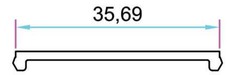

14x1

CAP (INTERNAL SASH) (350 G/M)



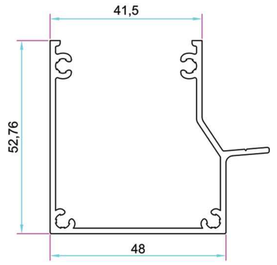
Code:121029

GUTTER CAP (180 G/M)



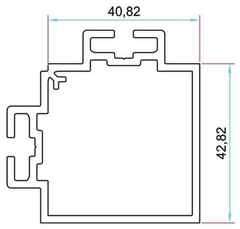
Code:120816

GUTTER (900 G/M)



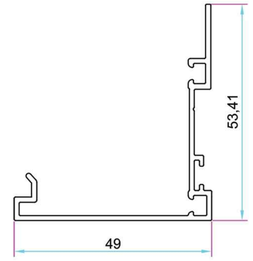
Code:120817

CORNER PROFILE (517 G/M)



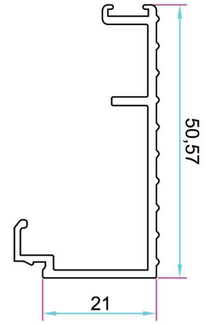
Code:121026

INTERLOCK (500 G/M)



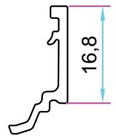
Code:121011

CAP (EXTERNAL SASH) (460 G/M)



Code:121019

GLAZING (140 G/M)



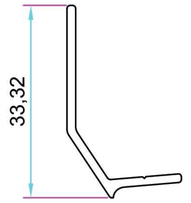
Code:120325

TIJ (300 G/M)



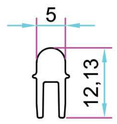
Code:121013

COLLET WATER RAIL (220 G/M)



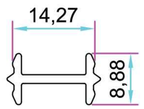
Code:120819

ALUMINIUM RAIL (130 G/M)



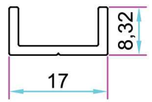
Code:120815

ENGRAVING RAIL (120 G/M)



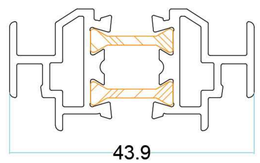
Code:121015

INTERCELL (140 G/M)



Code:121017

INTERCELL (780 G/M)



Out Code & In Code:121024

CODE: B 768/1



LOCATION: SASH
USAGE: SEAL
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 767



LOCATION: FRAME
USAGE: SEAL
MATERIAL: EPDM

CODE: B 756



LOCATION: INTERLOCK
USAGE: BUMPER & SEAL
MATERIAL: EPDM

CODE: 69×600



LOCATION: INTERLOCK
USAGE: BRUSH
:MATERIAL

CODE: B 729



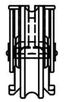
LOCATION: FRAME & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: 69×900



LOCATION: CAP
USAGE: BRUSH
MATERIAL: PLASTIC

BEARING



LOCATION: SASH
USAGE: LIFT & SLIDING
MATERIAL: STEEL

BEARING



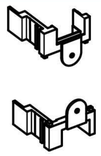
LOCATION: SASH
USAGE: SLIDING
MATERIAL: STEEL

BALANCER



LOCATION: SASH
USAGE: BALANCING
MATERIAL: PLASTIC

INTERLOCK CAP



LOCATION: INTERLOCK
USAGE: SECURITY
MATERIAL: PLASTIC

LIFT & SLIDE 128
INDEX





107 TH LIFT 128 MONO



TH LIFT 128 DOUBLE

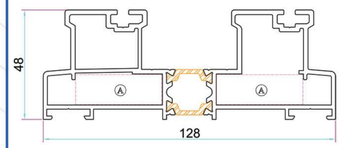


TH LIFT 128 TRIPLE

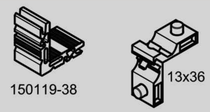


TH LIFT 128 TRIPLE WITH GUTTER

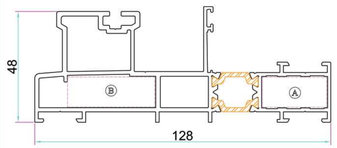
FRAME (3050 G/M)



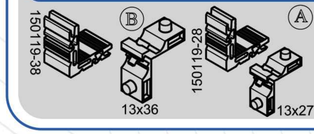
Out Code:120802 / In Code:120801



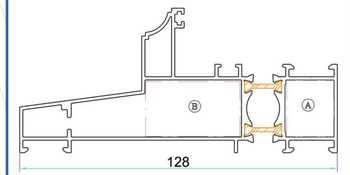
FRAME (2900 G/M)



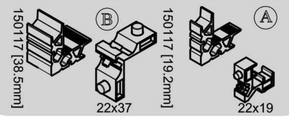
Out Code:121004 / In Code:121003



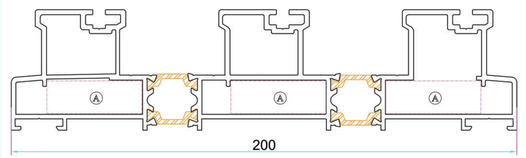
FRAME (2000 G/M)



Out Code:110622 / In Code:110601



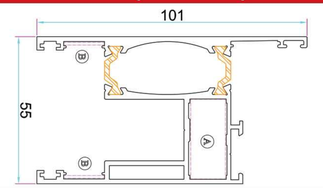
FRAME (4800 G/M)



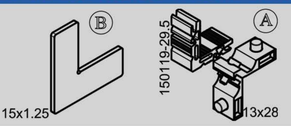
Out Code:120802 /Cent Code:120807/ In Code:120801



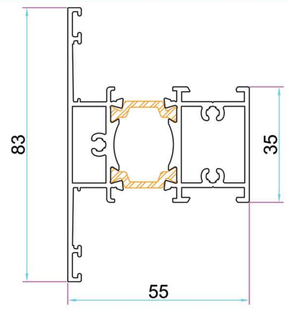
SASH (2350 G/M)



Out Code:120804 / In Code:120803

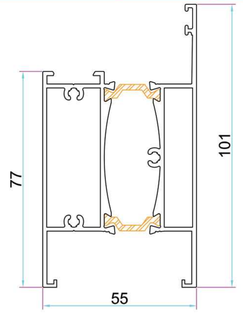


MULION (1750 G/M)



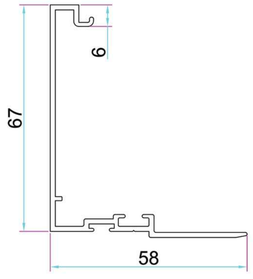
Out Code:120808 / In Code:120809

MULION (2100 G/M)



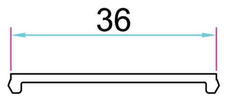
Out Code:120822 / In Code:120821

INTERLOCK (700 G/M)



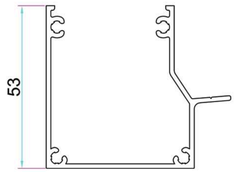
Code:120805

GUTTER CAP (180 G/M)



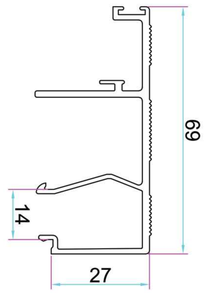
Code:120816

GUTTER (900 G/M)



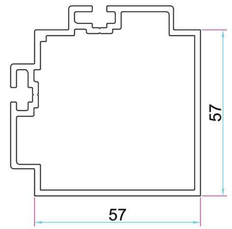
Code:120817

CAP (950 G/M)



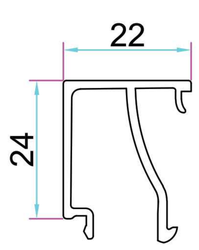
Code:120814

CORNER PROFILE (1700 G/M)



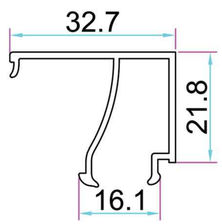
Code:120818

GLAZING (350 G/M)



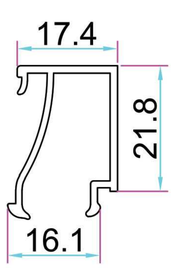
Code:120806

GLAZING (340 G/M)



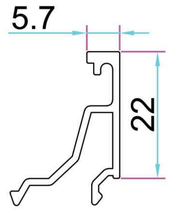
Code:110609

GLAZING (300 G/M)



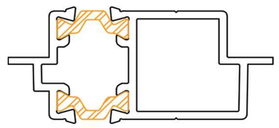
Code:110922

GLAZING (250 G/M)



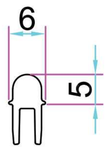
Code:110308

INTERCELL (900 G/M)



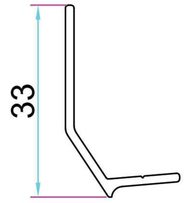
Out Code:120810 / In Code:120811

ALUMINIUM RAIL (130 G/M)



Code:120815

COLLECT WATER RAIL (200 G/M)



Code:120819

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 767



LOCATION: FRAME & SASH
USAGE: SEAL
MATERIAL: EPDM

CODE: B 768



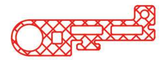
LOCATION: SASH
USAGE: SEAL
MATERIAL: EPDM

CODE: 69×900



LOCATION: INTERLOCK
USAGE: BRUSH
:MATERIAL

CODE: B 757/1



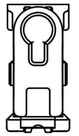
LOCATION: INTERLOCK
USAGE: BUMPER
MATERIAL: EPDM

CODE: 69×700



LOCATION: CAP
USAGE: BRUSH
MATERIAL: PLASTIC

BEARING



LOCATION: SASH
USAGE: LIFT & SLIDING
MATERIAL: STEEL

CODE: B 802



LOCATION: WALL COVER
USAGE: SEAL
MATERIAL: EPDM

INTERLOCK CAP



LOCATION: TOP OF INTERLOCK
USAGE: SECURITY
MATERIAL: PLASTIC

BALANCER



LOCATION: SASH
USAGE: BALANCING
MATERIAL: PLASTIC

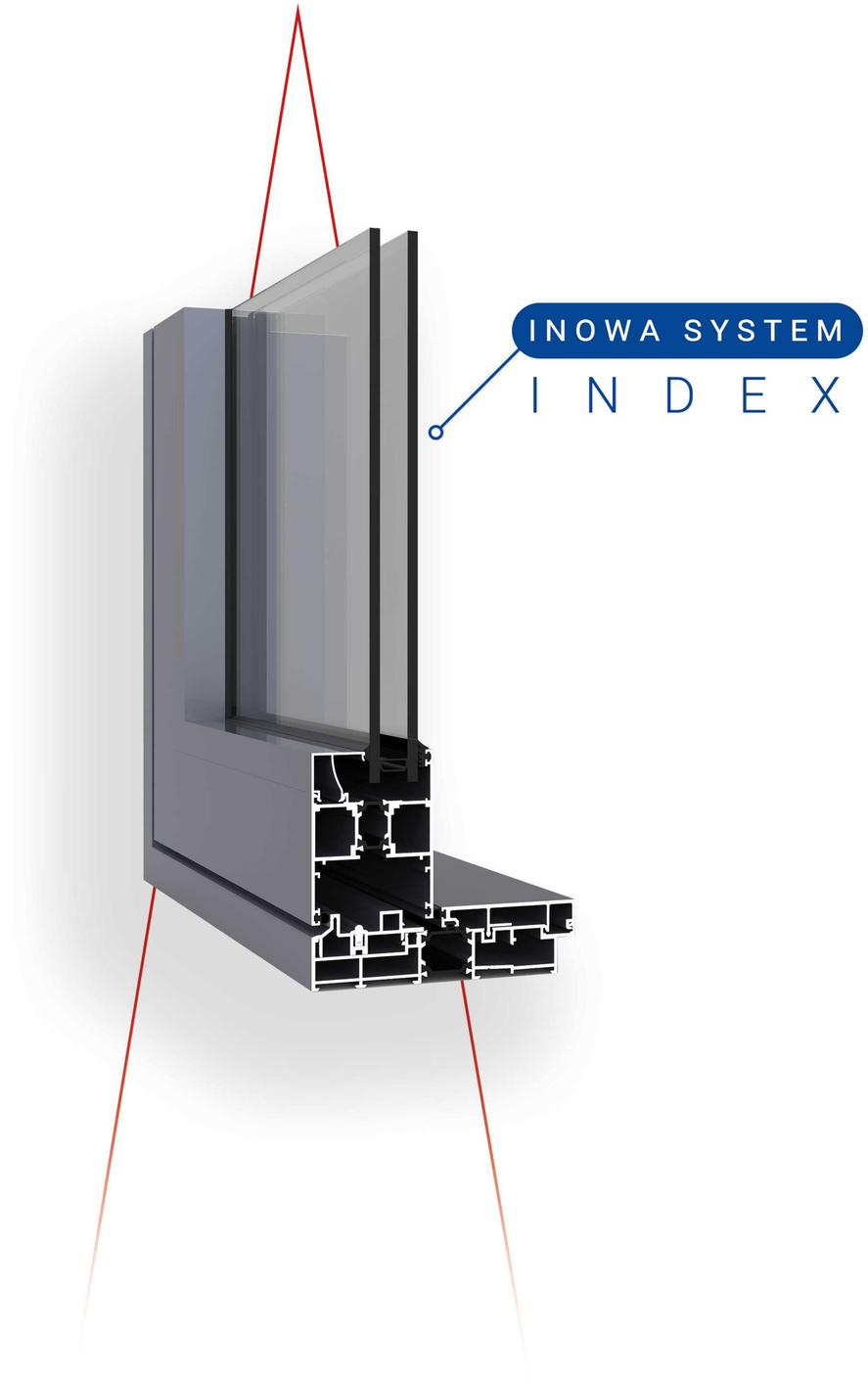
INTERLOCK CAP



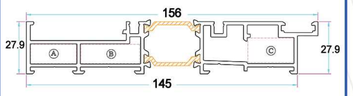
LOCATION: BOTTOM OF INTERLOCK
USAGE: SECURITY
MATERIAL: PLASTIC



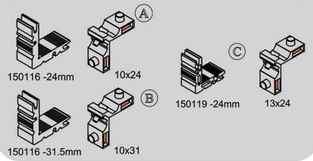
113 INOWA



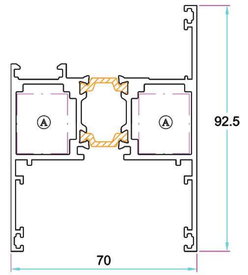
FRAME (2430 G/M)



Out Code:121102 / In Code:121101



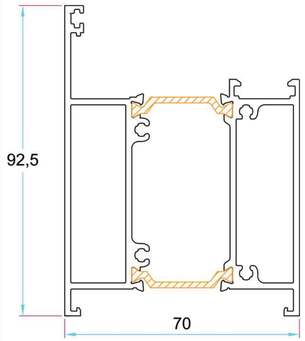
SASH (2325 G/M)



Out Code:121104 / In Code:121103

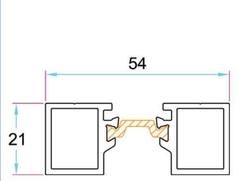


MULION (2355 G/M)



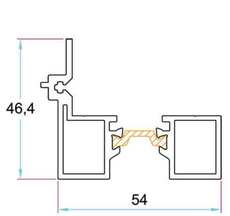
Out Code:121106 / In Code:121105

INSERT 1 (865 G/M)



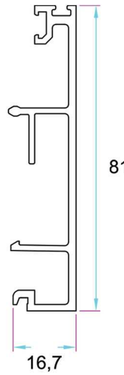
Out Code & In Code:121108

INSERT 2 (1130 G/M)



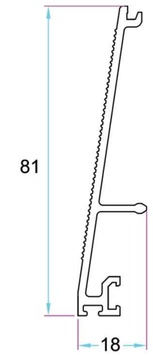
Out Code:121122
In Code:121108

COVER TYPE 1 (870 G/M)



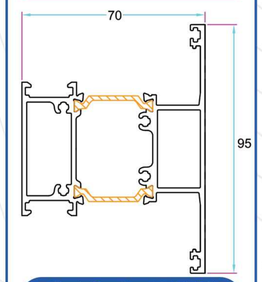
Code:121110

COVER TYPE 2 (695 G/M)



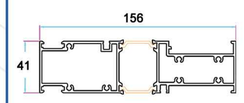
Code:121112

MULION (2230 G/M)



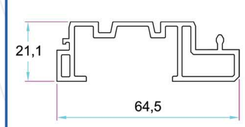
Out Code:121126
In Code:121127

MULION (3000 G/M)



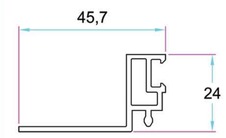
Out Code:121128
In Code:121129

RAIL UP 1 (863 G/M)



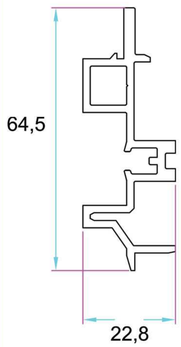
Code:121109

GLAZING (459 G/M)



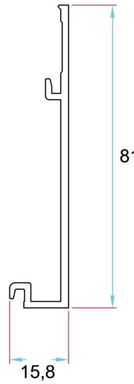
Code:121121

RAIL DOWN (835 G/M)



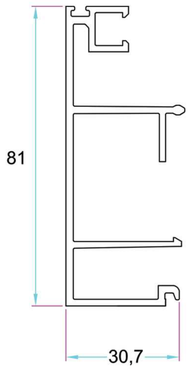
Code:121107

COVER SASH (604 G/M)



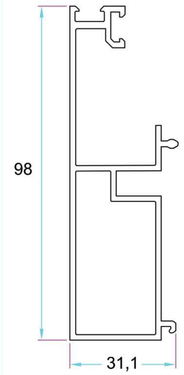
Code:121118

COVER UP (1173 G/M)



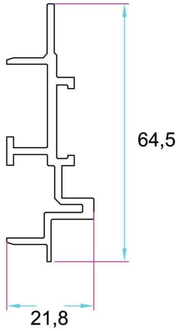
Code:121114

WALL COVER (1245 G/M)



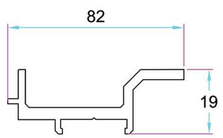
Code:121113

RAIL LOCK (1390 G/M)



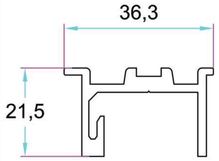
Code:110917

RAIL LOCK CENTER (658 G/M)



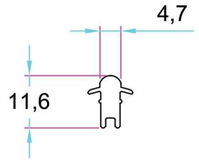
Code:110922

RAIL UP 2 (583 G/M)



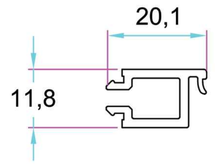
Code:121111

RAIL (141 G/M)



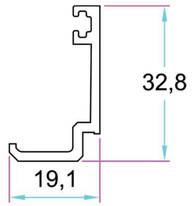
Code:121120

GLAZING (253 G/M)



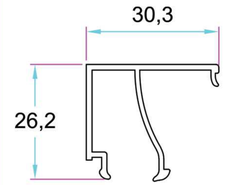
Code:121119

GLAZING (322 G/M)



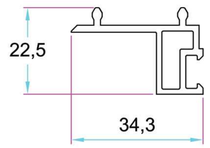
Code:121116

GLAZING (310 G/M)

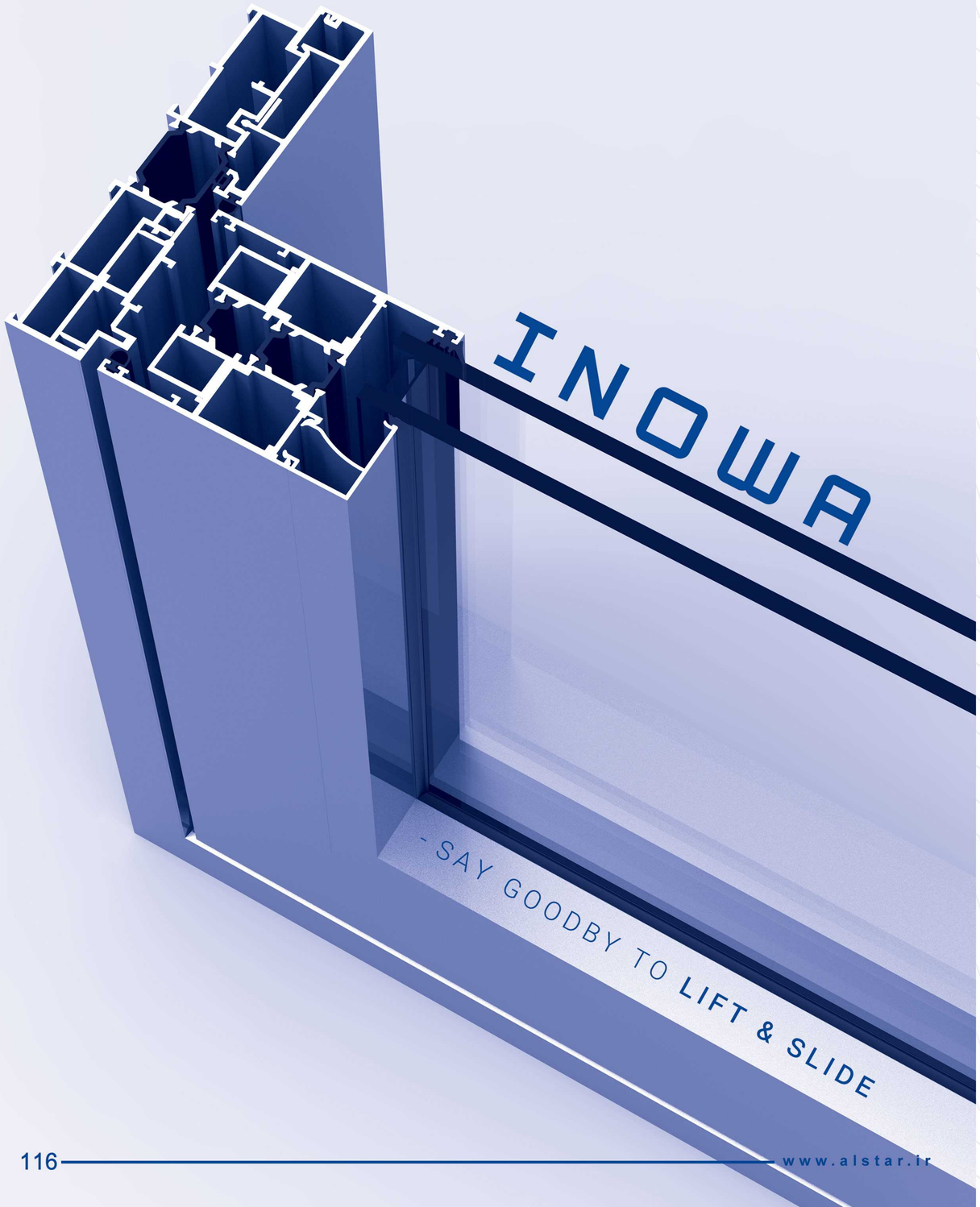


Code:110631

GLAZING (656 G/M)



Code:121121



INOWA GASKETS
لاستیک های اینُوا

CODE: B 588



LOCATION: COVER UP
USAGE: SEAL
MATERIAL: EPDM

CODE: B 152



LOCATION: GLAZING
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 767



LOCATION: COVER TYPE 1
USAGE: SEAL
MATERIAL: EPDM

CODE: B 603 OR B 680



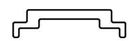
LOCATION: COVER & SASH
USAGE: SEAL
MATERIAL: EPDM

CODE: B 729



LOCATION: SASH & MULION
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: 150149



LOCATION: SASH
USAGE: LOCK UP
MATERIAL: ALUMINIUM

INSERT SASH



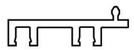
LOCATION: SASH
USAGE: SEAL
MATERIAL: PVC

INSERT DOWN



LOCATION: FRAME
USAGE: THERMAL INSULATION
MATERIAL: PVC

INSERT UP

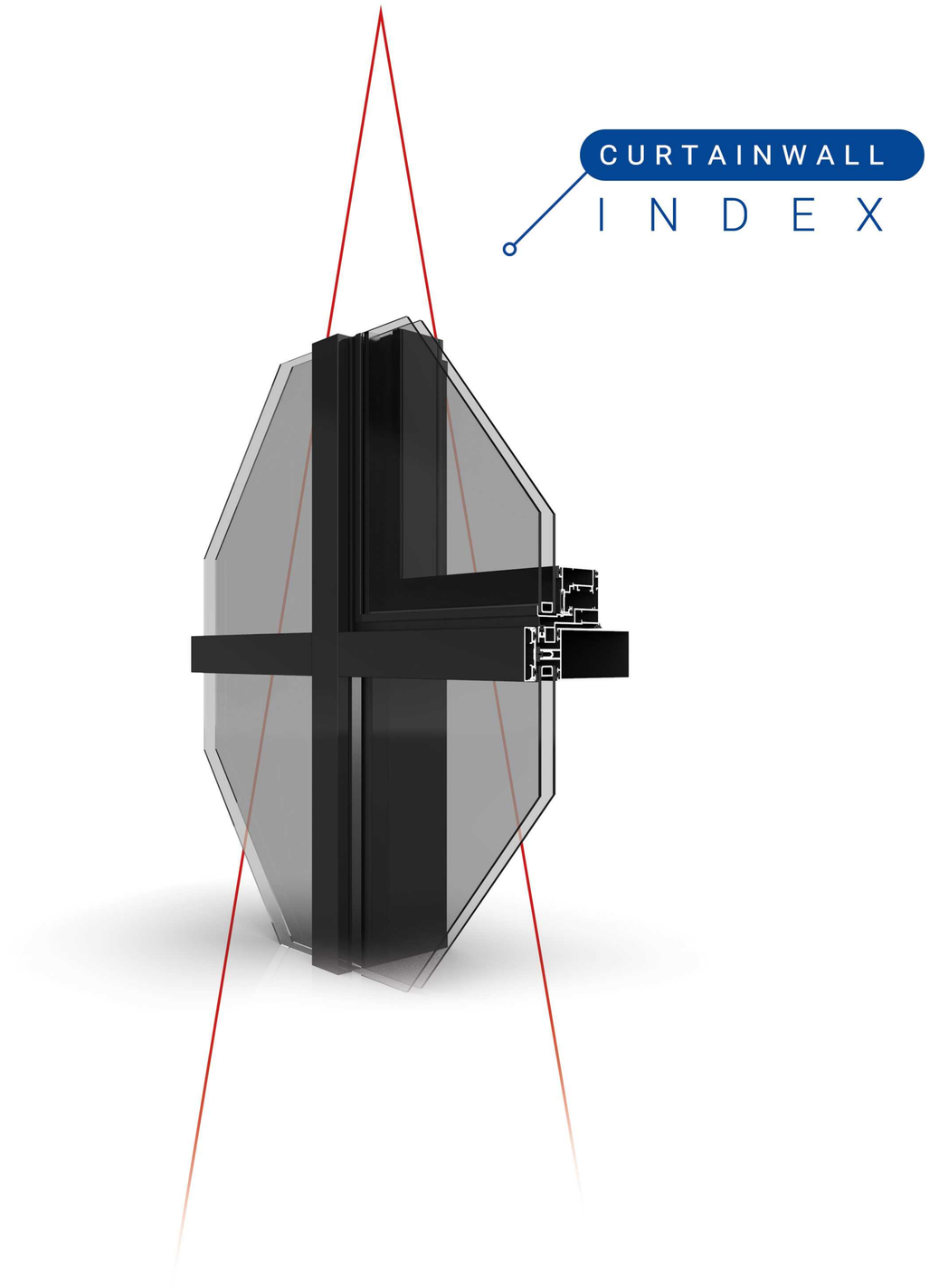


LOCATION: FRAME
USAGE: THERMAL INSULATION
MATERIAL: PVC

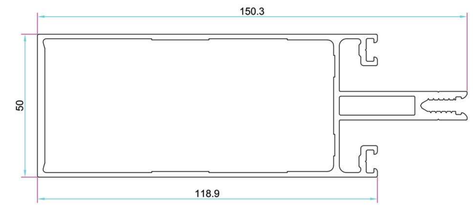


119 CURTAINWALL

CURTAINWALL
INDEX

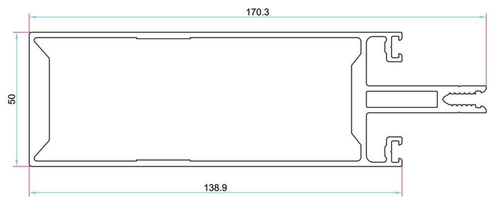


V LAMEL 120 (2600 G/M)



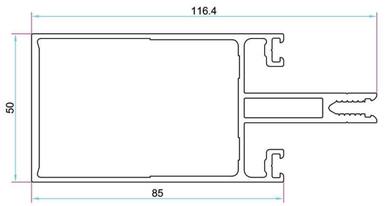
CODE:130101 Jx:248 / Jy:32.5

V LAMEL 140 (3960 G/M)



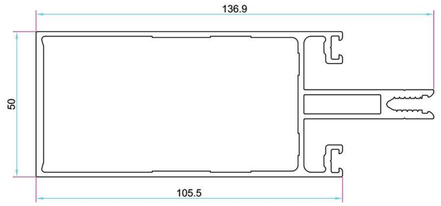
CODE:130118 Jx:460 / Jy:42.2

V LAMEL 85 (2280 G/M)



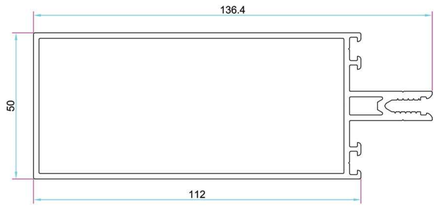
CODE:130115 Jx:99 / Jy:22.6

V LAMEL 105 (2490 G/M)



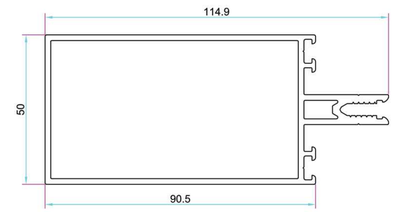
CODE:130114 Jx:156.5 / Jy:26.8

H LAMEL 110 (2280 G/M)



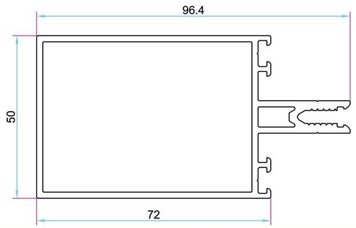
CODE:130102 Jx:153 / Jy:28.3

H LAMEL 90 (2035 G/M)



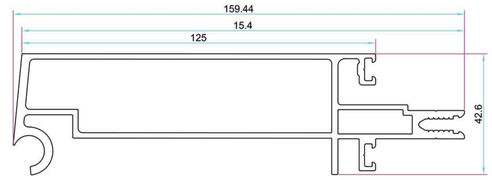
CODE:130116 Jx:98 / Jy:24

H LAMEL 70 (1830 G/M)



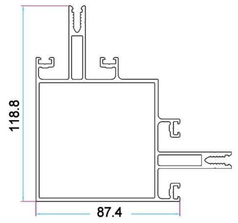
CODE:130117 Jx:58 / Jy:19.5

CORNER LAMEL (3100 G/M)



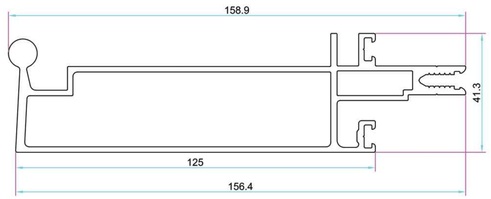
CODE:130127 Jx:267 / Jy:16

CORNER LAMEL 90 (3550 G/M)



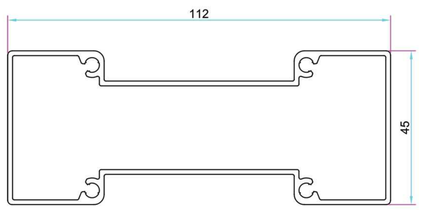
CODE:130113 Jx:146 / Jy:146

CORNER LAMEL (3100 G/M)



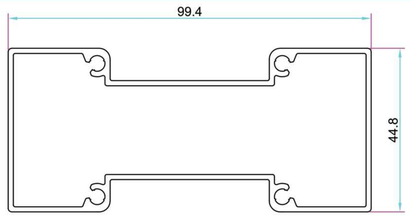
CODE:130128 Jx:266 / Jy:15.7

DELATATION (V LAMEL 140) (1510 G/M)



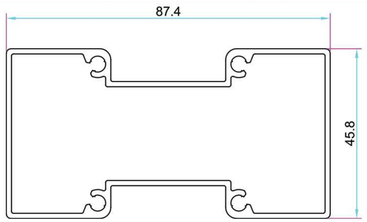
CODE:130119 Jx:78 / Jy:14.8

DELATATION (V LAMEL 120) (1420 G/M)



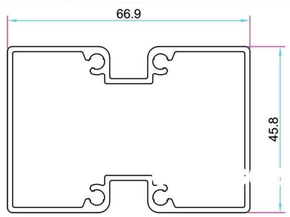
CODE:130120 Jx:57 / Jy:14

DELATATION (V LAMEL 105) (1320 G/M)



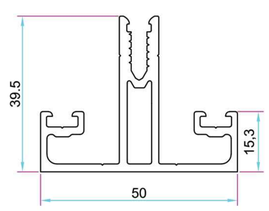
CODE:130121 Jx:41 / Jy:14.3

DELATATION (V LAMEL 85) (1155 G/M)



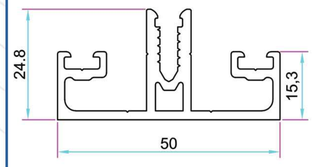
CODE:130122 Jx:20.5 / Jy:13.3

LAMEL (1140 G/M)



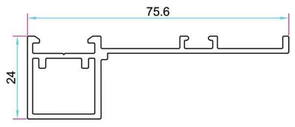
CODE:130125

LAMEL (920 G/M)



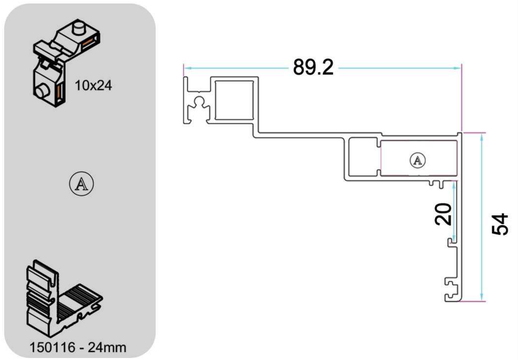
CODE:130137

LAMEL (700 G/M)



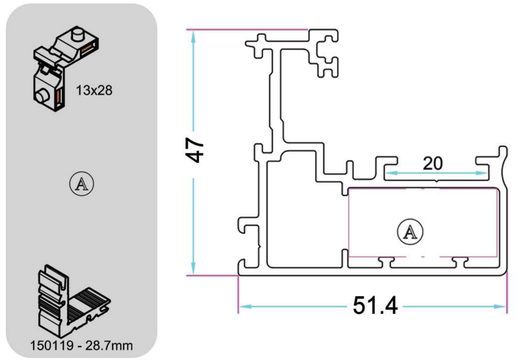
CODE:130133

FACADE OPENING FRAME (1210 G/M)



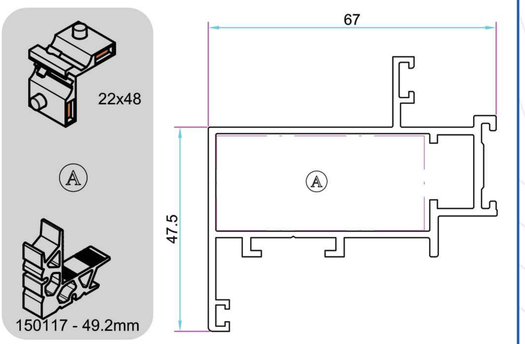
CODE:130105

FACADE OPENING VENT (1000 G/M)



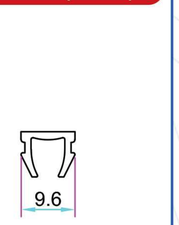
CODE:130106

FACADE OPENING VENT (1230 G/M)



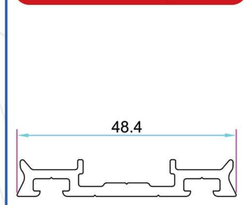
CODE:130134

INTERCELL (90 G/M)



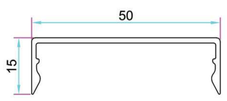
Code:130136

PRESSURE PLATE (460 G/M)



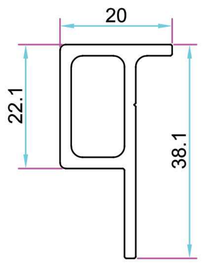
Code:130104

CAP (310 G/M)



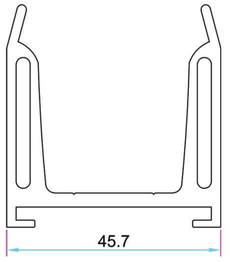
Code:130103

CORNER ADAPTOR (500 G/M)



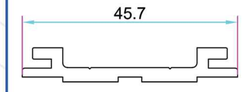
Code:130130

TRANSOM CONECTION (1410 G/M)



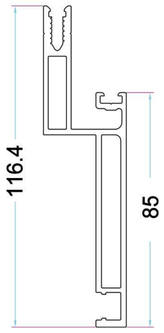
Code:130109

TRANSOM CONECTION RAIL(440 G/M)



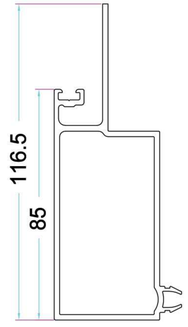
Code:130110

LAMEL (1720 G/M)



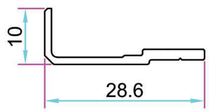
CODE:130132

LAMEL (1680 G/M)



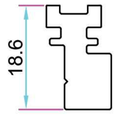
CODE:130135

RETAINING PROFILE (1135 G/M)



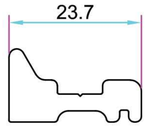
Code:130126

ADAPTOR (400 G/M)



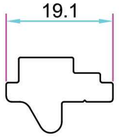
CODE:130124

ADAPTOR (420 G/M)



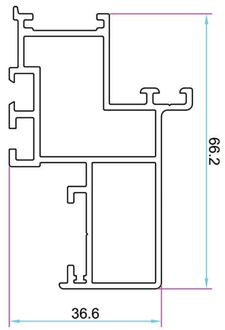
CODE:130131

ADAPTOR (410 G/M)



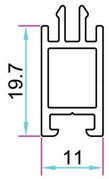
CODE:130129

CASET PROFILE (1135 G/M)



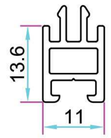
CODE:130123

ADAPTOR (255 G/M)



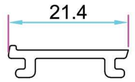
CODE:130111

ADAPTOR (210 G/M)



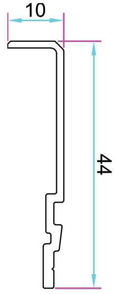
CODE:130112

BONINING PROFILE (160 G/M)



Code:130108

RETAINING PROFILE (225 G/M)



Code:130107



CURTAINWALL GASKETS لاستیک های نمای کرتن وال

CODE: B 152



LOCATION: FRAME
USAGE: SEAL
MATERIAL: EPDM

CODE: B 903



LOCATION: FRAME
USAGE: SEAL
MATERIAL: EPDM

CODE: B 590



LOCATION: PRESSURE PLATE
USAGE: GLASS CLIPER
MATERIAL: EPDM

CODE: B 592



LOCATION: LAMEL
USAGE: SEAL
MATERIAL: EPDM

CODE: B 588



LOCATION: V LAMEL
USAGE: GLASS CLIPER
MATERIAL: EPDM

CODE: B 589



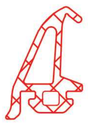
LOCATION: H LAMEL
USAGE: GLASS CLIPER
MATERIAL: EPDM

CODE: B 680



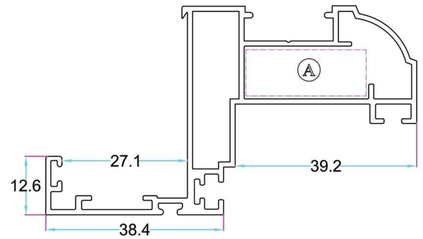
LOCATION: OPENING VENT
USAGE: BUMPER
MATERIAL: EPDM

CODE: B 813



LOCATION: SEMI LAMEL
USAGE: THERMAL INSULATION
MATERIAL: EPDM

FIX FRAME (970 G/M)



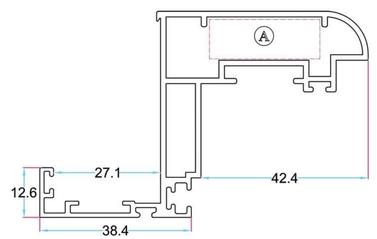
CODE:130301


10X24

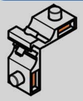


150116 [26.5mm]

OPENNIG FRAME (2020 G/M)



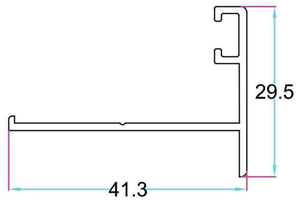
CODE:130302


10X27



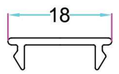
150116 [28.8mm]

INTERCELL (300 G/M)



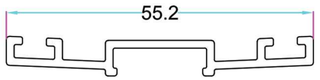
Code:130303

CAP (95 G/M)

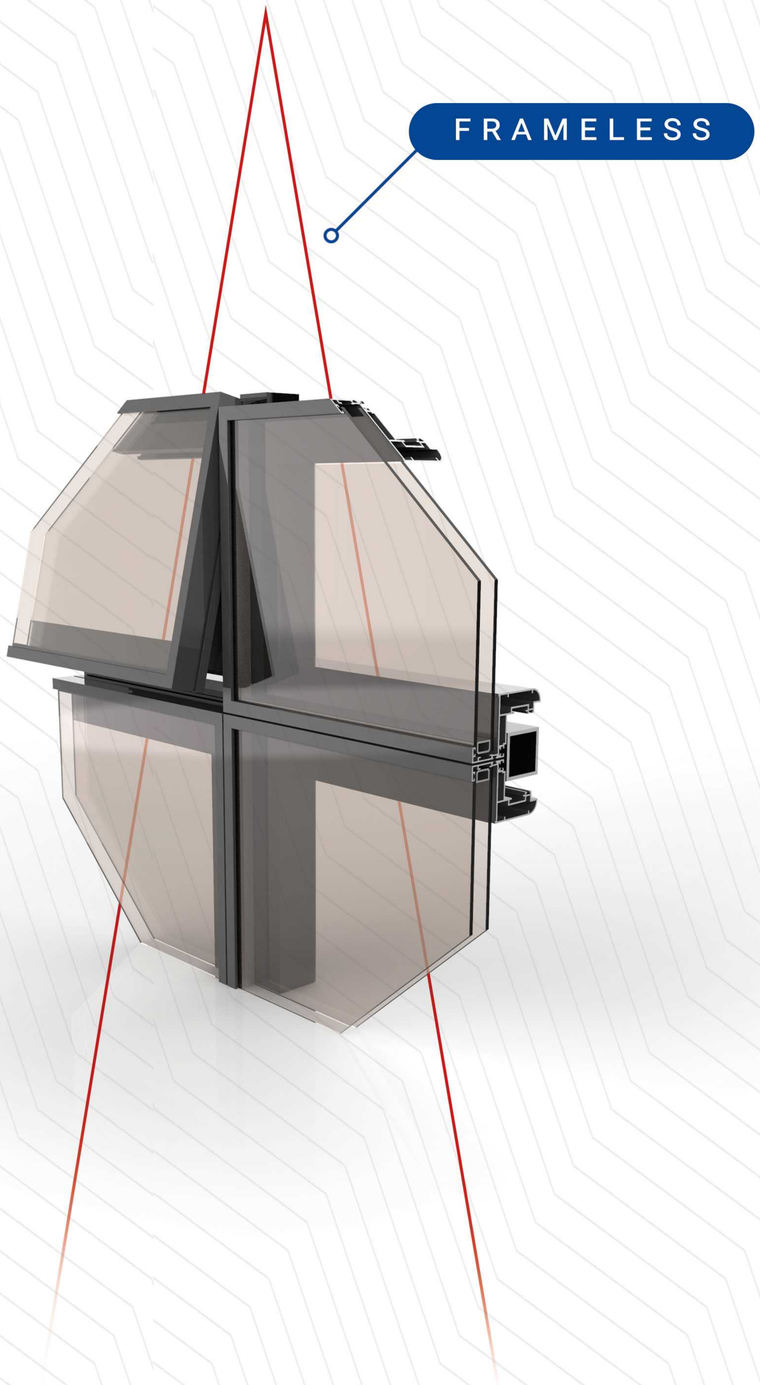


Code:130304

INSIDE COVER (350 G/M)



Code:130305





FRAMELESS GASKETS لاستیک های نمای فریم لس

CODE: B 152



LOCATION: FRAME
USAGE: GLASS CLIPER
MATERIAL: EPDM

CODE: B 903



LOCATION: FRAME
USAGE: GLASS CLIPER
MATERIAL: EPDM

CODE: B 152 - 4 mm



LOCATION: FRAME
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 152 - 5 mm



LOCATION: FRAME
USAGE: GLASS CLIPPER
MATERIAL: EPDM

CODE: B 718



LOCATION: FRAME
USAGE: SEAL
MATERIAL: EPDM

CODE: B 680



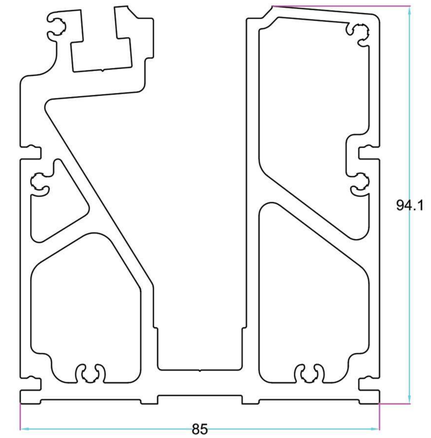
LOCATION: FRAME & CAP & COVER
USAGE: SEAL & BUMPER
MATERIAL: EPDM

CODE: B 590



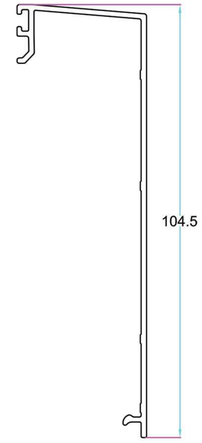
LOCATION: COVER
USAGE: SEAL & BUMPER
MATERIAL: EPDM

BACE (5900 G/M)



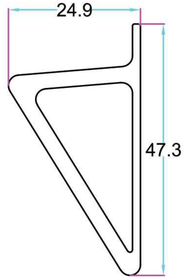
CODE:130701

CAP (580 G/M)



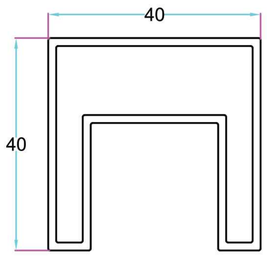
CODE:130702

TRIANGLE (750 G/M)



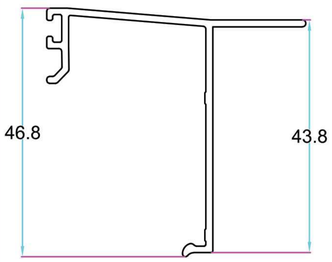
Code:130703

SQUARE (850 G/M)



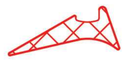
Code:162201

CAP (450 G/M)



Code:130704

CODE: B 160



CODE: B 152



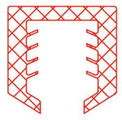
CODE: B 152 - 4 mm



CODE: B 824 - 10 mm



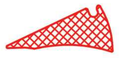
CODE: B 823 - 16 mm

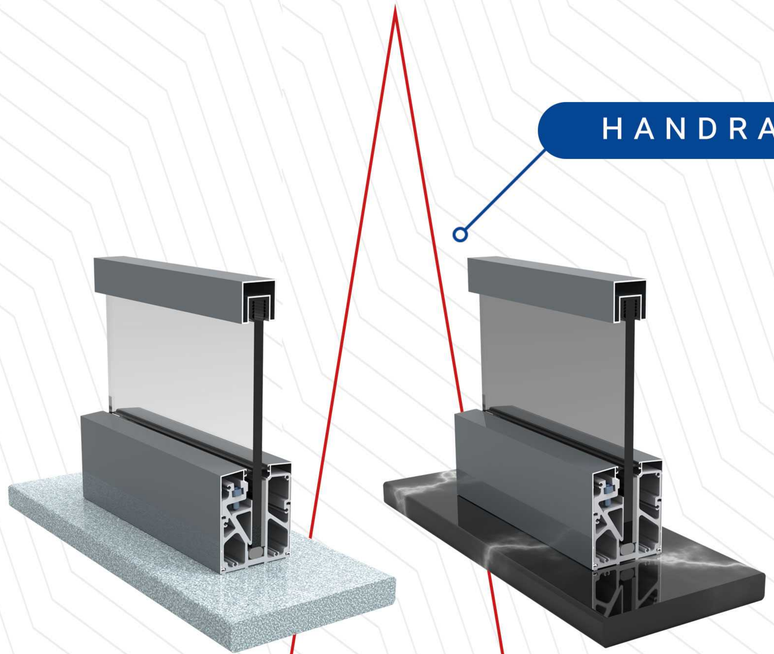


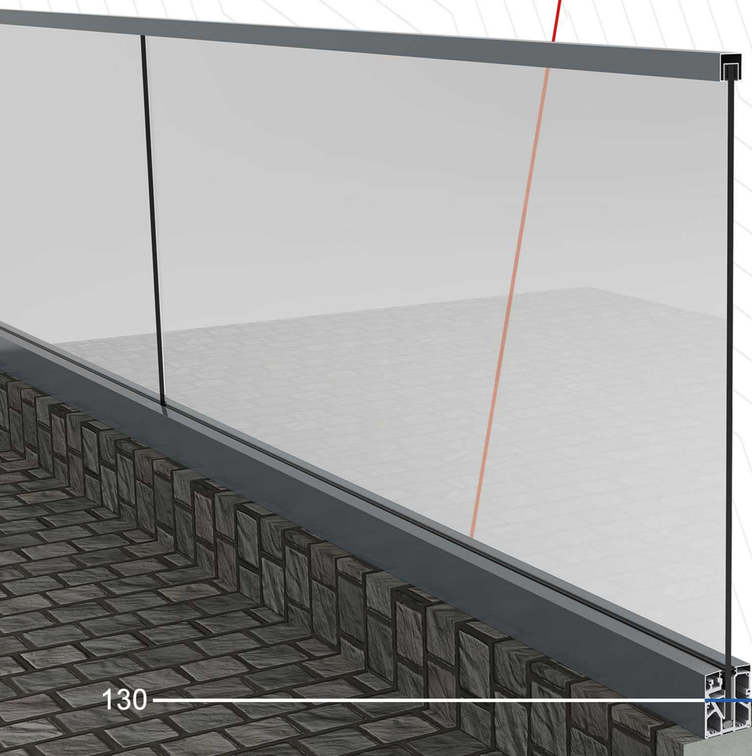
CODE: B 718



CODE: B152-5 mm

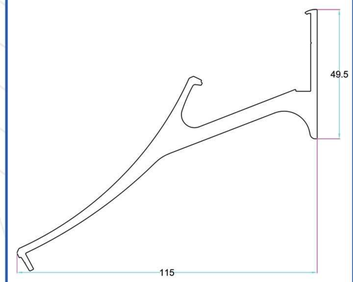






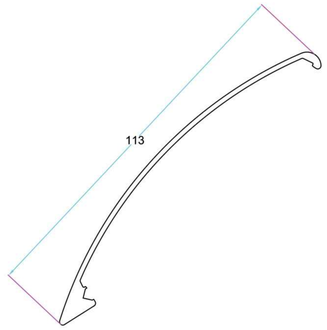


BACE (2600 G/M)



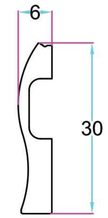
Code:130401

LOUVRE (800 G/M)



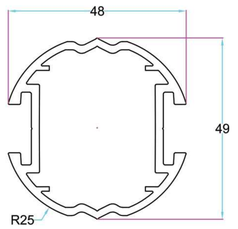
Code:130402

CAP (1250 G/M)



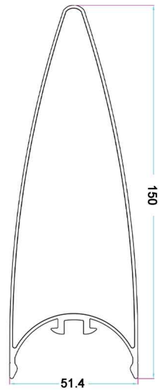
Code:130403

PIPE (1150 G/M)



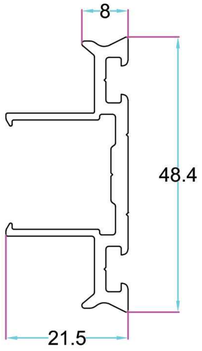
Code:130405

LOUVRE (1500 G/M)

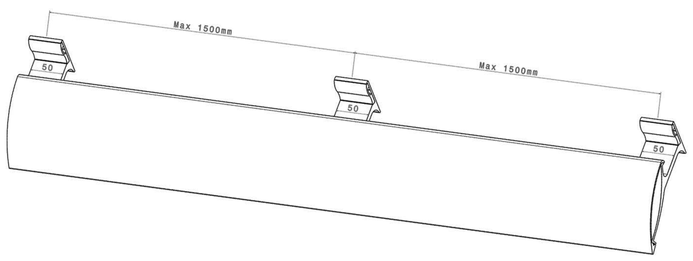


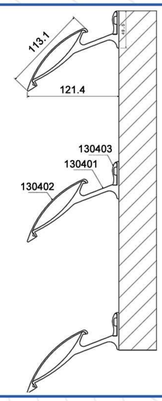
Code:130404

PRESSURE PLATE (600 G/M)

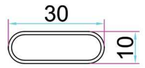


Code:130138



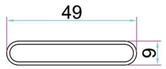


GRILL (300 G/M)



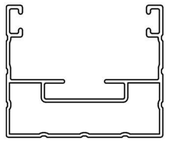
Code:150146

GRILL (400 G/M)



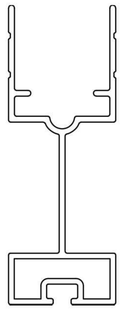
Code:150122

LACE FRAME (400 G/M)



Code:140101

LACE (470 G/M)



Code:140102

CORNER CLAMP (2900 G/M)



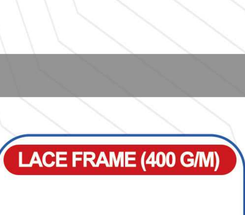
Code:150107

CORNER CLAMP (2500 G/M)



Code:150109

CORNER CLAMP (2700 G/M)



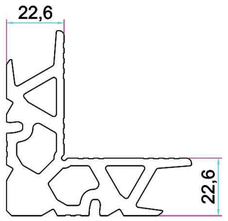
Code:150116

CORNER CLAMP (2700 G/M)



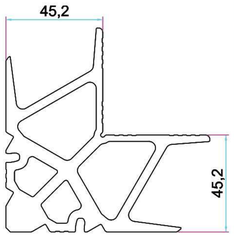
Code:150119

CORNER CLAMP (3800 G/M)



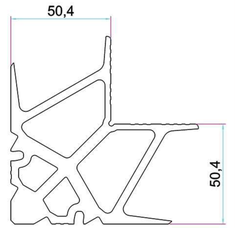
Code:150117

CORNER CLAMP (5800 G/M)



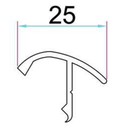
Code:150118

CORNER CLAMP (5900 G/M)



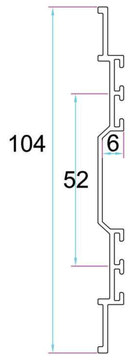
Code:150121

DRAINING WATER (200 G/M)



Code:150132

DUSTER (600 G/M)



Code:150115

RAIL (140 G/M)



Code:121120

RAIL (130 G/M)



Code:120815

RAIL (130 G/M)



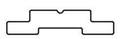
Code:120508

TIJ (147 G/M)



Code:150126

TIJ (145 G/M)



Code:150101

TIJ (110 G/M)



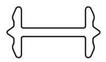
Code:150149

TIJ COVER (150 G/M)



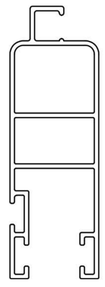
Code:150125

ENGRAVING RAIL (120 G/M)



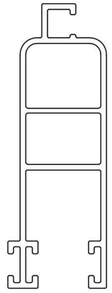
Code:121015

LACE (600 G/M)



Code:140204

LACE (700 G/M)



Code:140301



گواهینامه فنی

وزارت راه و شهرسازی
مرکز تحقیقات راه، مسکن و شهرسازی

گواهینامه فنی

بررسی عملکرد محصول تولیدی

شماره : ۱۵۶۲۹-۲۵-۰۲
تاریخ صدور: ۱۴۰۲/۰۸/۰۶

مدیریت عامل محترم شرکت نوین صنعت آلستار شمال

به استناد جزء (ه) بند دوم ماده (۲) اساسنامه مرکز تحقیقات راه، مسکن و شهرسازی و ماده ۱۶ آیین نامه اجرایی ماده ۱۴ قانون ساماندهی و حمایت از تولید و عرضه مسکن مصوب ۱۳۹۵، این گواهینامه به محصول تولیدی **شرکت نوین صنعت آلستار شمال** با شناسه ملی ۱۴۰۰۸۴۰۵۹۷۴ به شرح زیر اعطاء شده‌است:

- **نام محصول: پروفیل آلومینیومی گرماشکن با نام تجاری آلستار؛**
- **قابل استفاده در: ساخت در و پنجره های داخلی و خارجی ساختمان؛**
- مطابق با ضوابط فنی مورد قبول این مرکز و با رعایت الزامات راهنمای نصب پنجره های ساختمانی به شماره نشر گ-۷۷۶ مرکز تحقیقات راه مسکن و شهرسازی؛
- تولید شرکت نوین صنعت آلستار شمال، کیلومتر ۳۵ جاده تهران-قم، شهرک صنعتی شمس‌آباد، خیابان آزادی، کوچه نرگس ۸؛
- محل تولید: کیلومتر ۳۵ جاده تهران-قم، شهرک صنعتی شمس آباد، خیابان آزادی، کوچه نرگس ۸.

این گواهینامه نشان می‌دهد که الزامات مربوط به عملکرد این محصول براساس نتایج آزمایش‌های انجام شده مطابق با الزامات و ضوابط مورد قبول این مرکز، برای دامنه کاربرد درج شده در این گواهینامه و گزارش فنی پیوست، که جزء لاینفک آن است، ارزیابی و تایید شده است و مسئولیت کنترل و حفظ کیفیت آن به‌عهده تولیدکننده می‌باشد.

این گواهینامه اولین بار در تاریخ ۱۴۰۲/۰۸/۰۶ صادر و تا تاریخ ۱۴۰۳/۰۸/۰۵ نیز چنانچه ضوابط فنی مورد استناد برای اعطای این گواهینامه، کیفیت محصول و شرایط تولید، تغییر نکند و همچنین گواهینامه تعلیق یا لغو نشده باشد، معتبر خواهد بود.

محمد مهدی حیدری
سرپرست مرکز تحقیقات راه، مسکن و شهرسازی

اعتبار این گواهینامه منوط به درج نام دارنده گواهینامه و مشخصات محصول در سامانه https://www.bhrc.ac.ir/Certificate می‌باشد و بمنظور اطلاع از آخرین وضعیت این گواهینامه باید از طریق سامانه مذکور استعلام انجام شود.