



# IDEAL 70

## Window & Door Systems

→ The system is distinguished for its many advanced design features, enabling simple and economic manufacturing and installation. The IDEAL 70 a considerable degree advanced design will definitely prove its outstanding features, allowing the system to stride current trends and potential future requirements of UK Building Regulations. The advantages of the system:

- the 5 chamber structure of the main profiles
- a perfect solution for both windows opening outwards and inwards with the internal glazing
- fused gaskets allow faster and efficient installation, eliminating the problem of gasket shrinking
- a wide range of glazing options between 10 mm to 40 mm
- compatible with the entire Aluplast range of products
- an extensive array of ancillary extension and connector profiles.



70

frame  
depth  
[mm]

5

chambers

2

gaskets

40

glazing  
maximum  
thickness [mm]

## ➔ Matching bead and profile design

The bead shape mirrors the shape of the upstand to the glazing rebate to provide a beautiful balanced appearance with identical sightlines. The finished window looks identical viewed from inside or outside; simply stunning! 28 mm or 24 mm glazing options While 28 mm high performance double glazed sealed units have become the performance standard in the domestic sector, IDEAL 70 recognises the need for the option of 24 mm glazing depth to meet a wider range of window and door specifications for other market sectors. Glazing beads for both 28 mm and 24 mm sealed units both offer a fully sculptured appearance that perfectly complements the sculptured profile detail. Triple glazing can easily be produced utilizing our 36 40 mm glazing beads.

## ➔ Fully sculptured profiles

We know of no better looking window available on the market today. IDEAL 70's cleverly designed sculptured shape makes for simply stunning windows and doors. Beautiful both inside and out, IDEAL 70 windows and doors are perfect for replacing the replacements; an important development for the future of the industry. IDEAL 70 windows and doors are eminently desirable for the end user. IDEAL 70 is as easy to fabricate as it is stunning to look at. The positive stops at either extreme of the sculptured shape give defined datum points for modern window fabrication machinery and also make fabrication easier in more basic fabrication environments. IDEAL 70 combines stunning good looks with ease of fabrication.

## ➔ Co-extruded gaskets

IDEAL 70's co-extruded gaskets eliminate the need for the time consuming application of weatherseals and gaskets to frames and sashes following the welding process as part of fabrication. The time saved will provide an increase in fabrication efficiency in the region of 15%. Using IDEAL 70 with its co-extruded gaskets will also enable the fabricator to reduce stockholding. IDEAL 70 gaskets provide outstanding weather performance and complement the profiles' elegant sightlines. Co-extruded gaskets eliminate "the shrinking back" effect typical of old gasket systems and therefore prevent any gaps in corners. IDEAL 70 windows and doors are also easier to fit and cleaner to glaze as the co-extruded gaskets eliminate the need for messy lubricants.

## ➔ The IDEAL 70 system provides for easy and cost effective fabrication of the following product types:

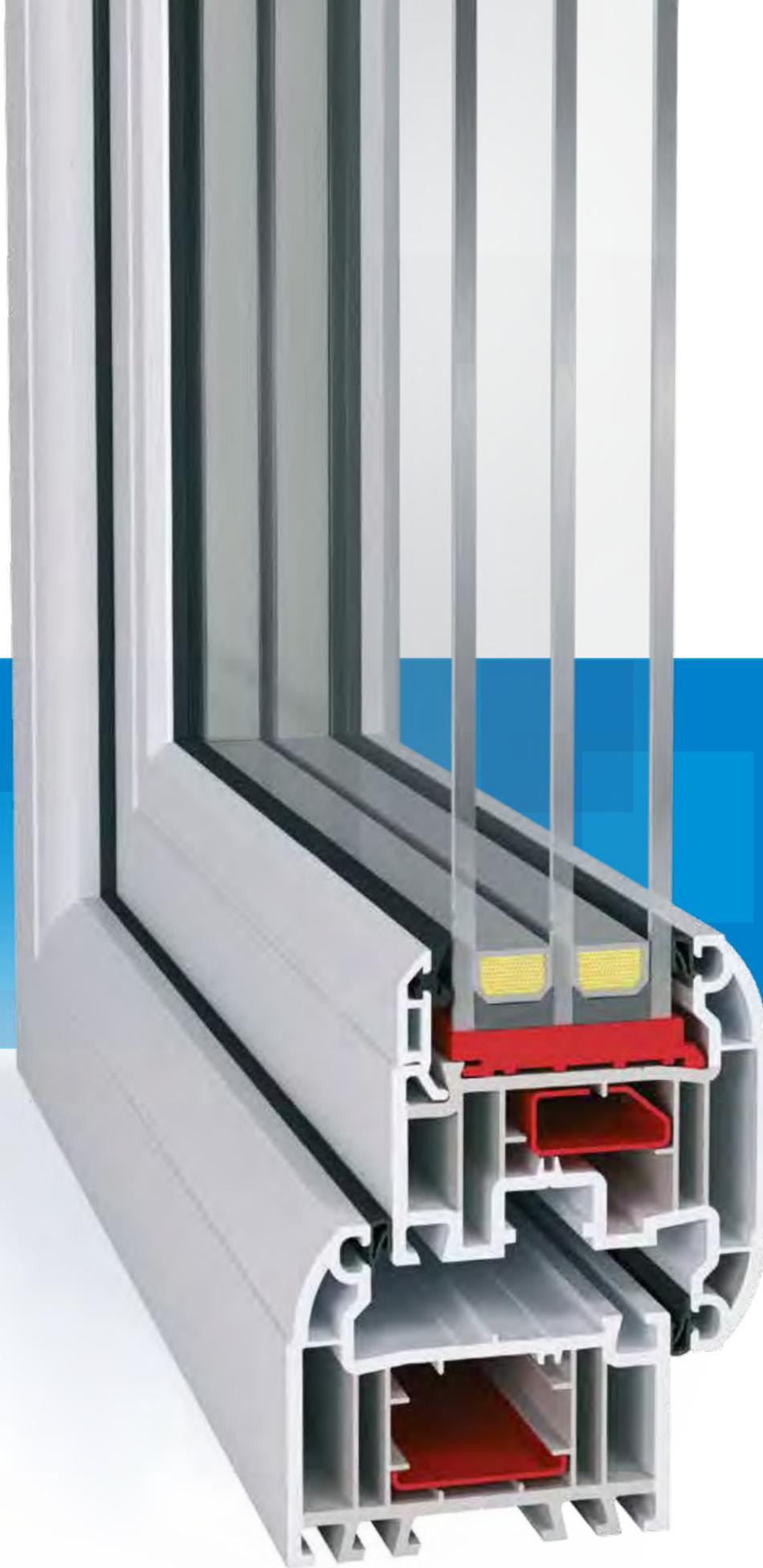
- Outward opening Casement Windows
- Inward opening Tilt windows
- Inward opening Turn windows
- French Window or Double Casement Windows inward or outward opening
- French or Double Doors – inward or outward opening

## ➔ Single leg glazing bead

IDEAL 70 employs a single leg 'knock-in' or J-bead design. The single leg bead makes for faster, easier installation and provides the cleanest glazing platform. Installers love the way the single leg bead locates and the single leg format affords both stability and security while also easily accommodating normal glazing tolerances.

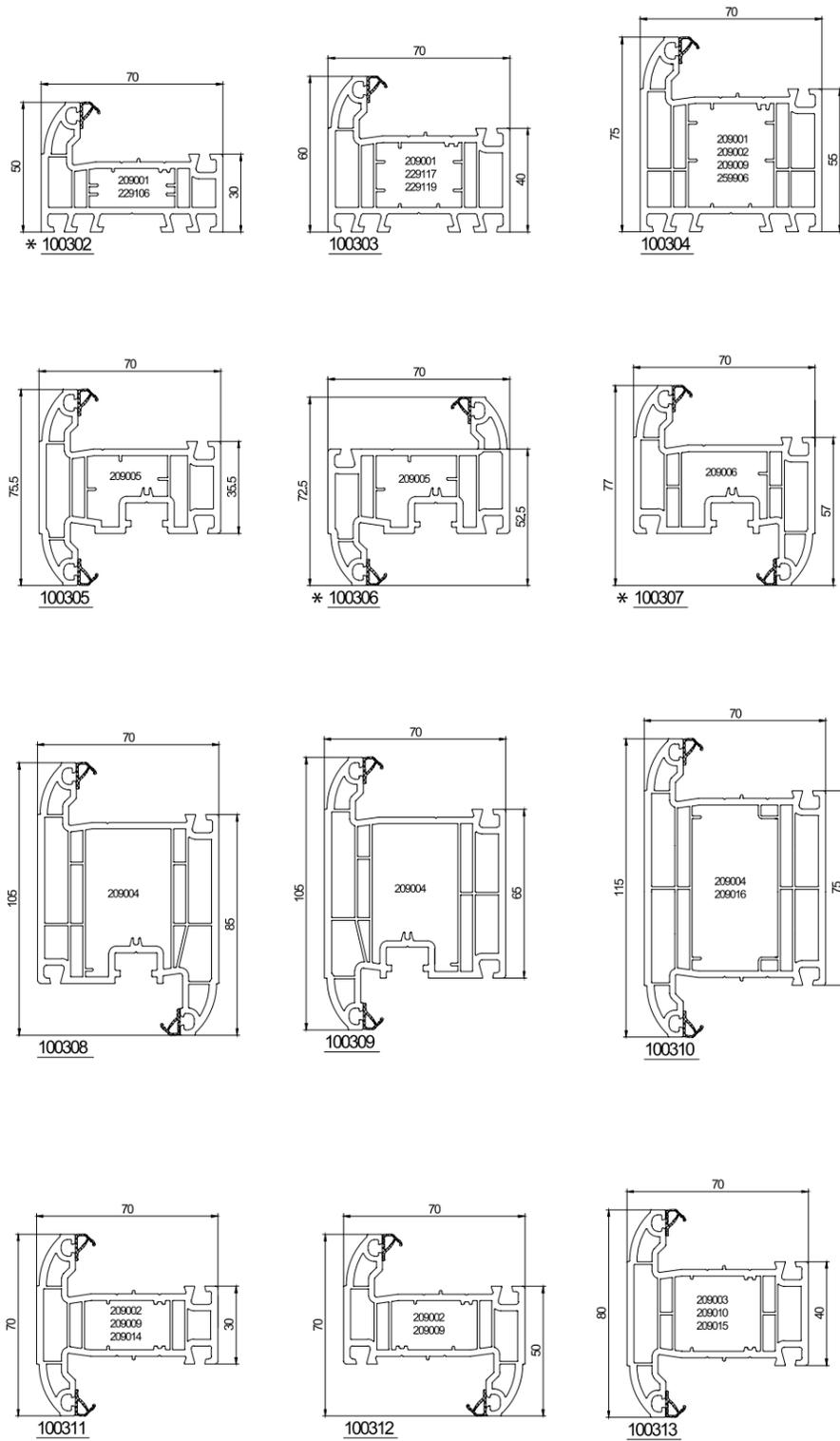
## ➔ Equal V notching

Internally glazed casement windows have steadily grown in popularity and today enjoy market dominance in most sectors. To achieve an internal glazing detail in both opening and fixed light sections of the window requires 'reverse butt' welding of the outer frame profiles. In previous generation PVC-U systems this resulted in an untidy 'dog leg' effect at transom and mullion joints which marred the overall appearance of the finished window. IDEAL 70 has been cleverly designed to utilize equal V-notching for transoms and mullions resulting in a balanced appearance with equal length feature grooves that complement the stunning appearance of the IDEAL 70 window.

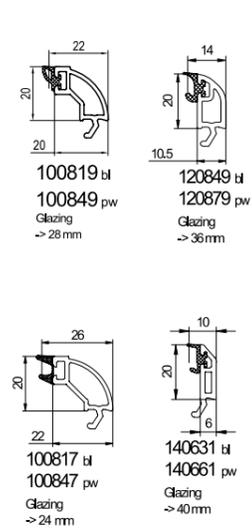


# Charts IDEAL 70

## Main profiles

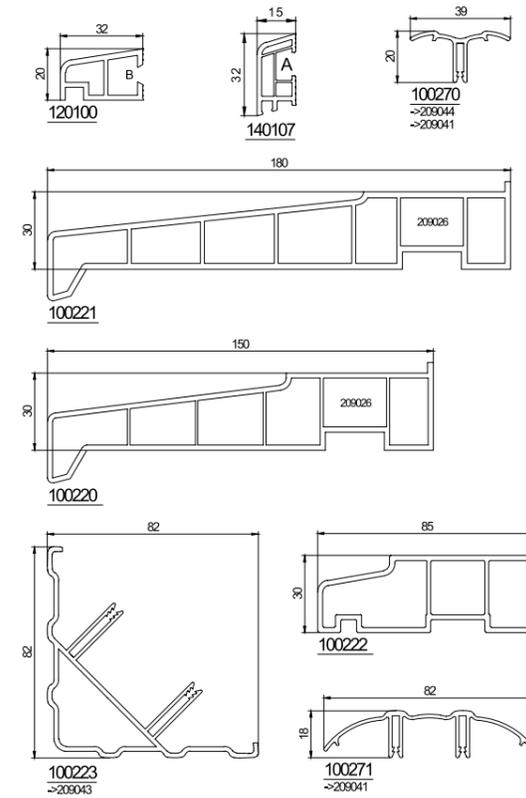


## Glazing beads

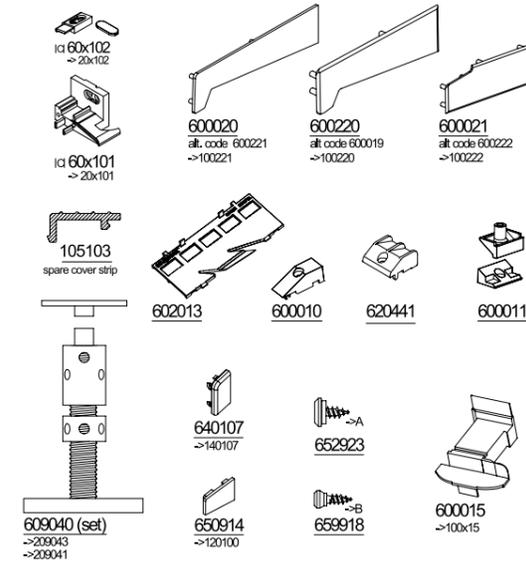


# Charts IDEAL 70

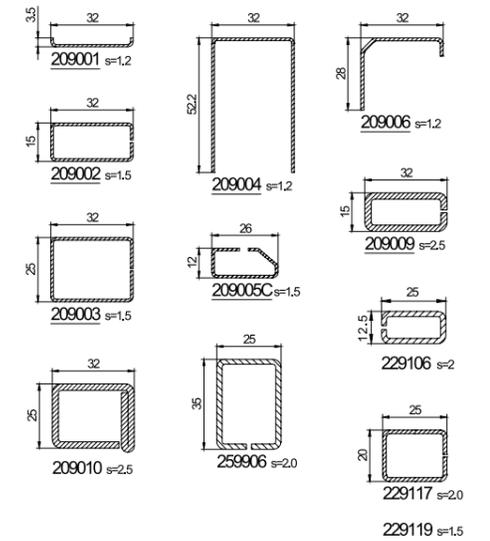
## Additional profiles



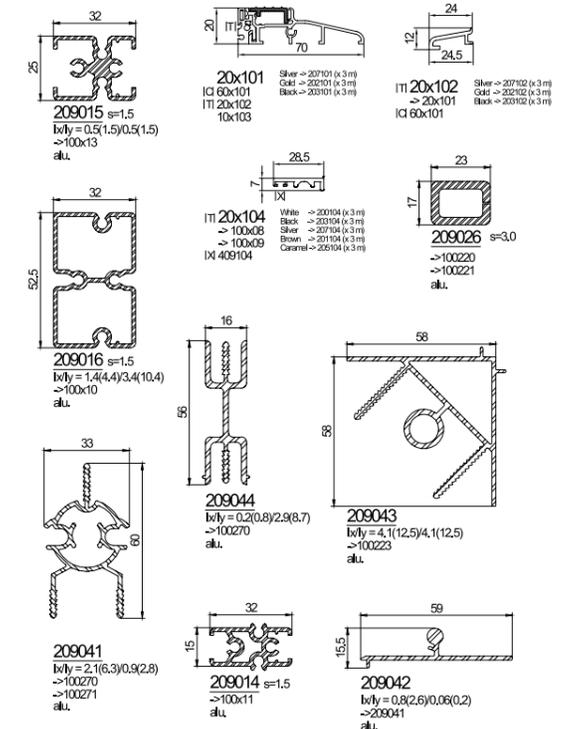
## Equipment



## Reinforcements



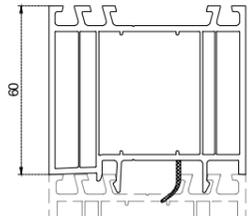
## Aluminium profiles



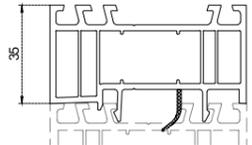
\* Available soon.

## → Charts IDEAL 70

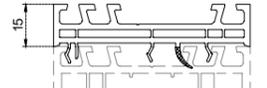
### Outerframe extension profiles



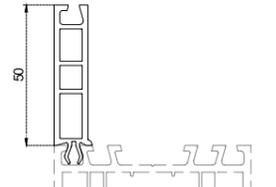
140207 - Frame Extension 60mm



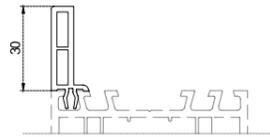
140205 - Frame Extension 35mm



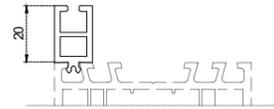
140209 - Frame Extension 15mm



120102 - Single Leg Extension 50mm



120237 - Single Leg Extension 30mm

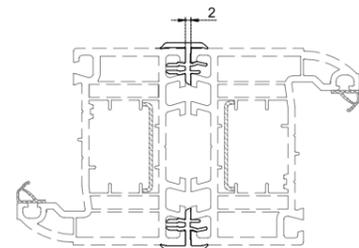


120106 - Single Leg Extension 20mm

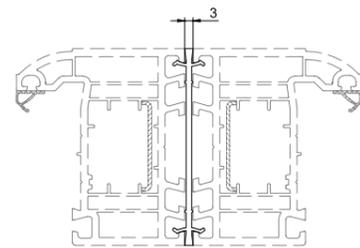


120236 - Single Leg Extension 15mm

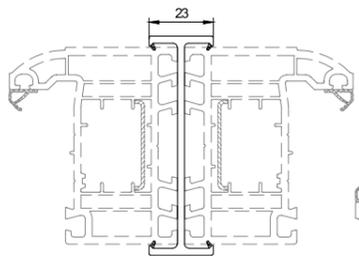
### Couplings



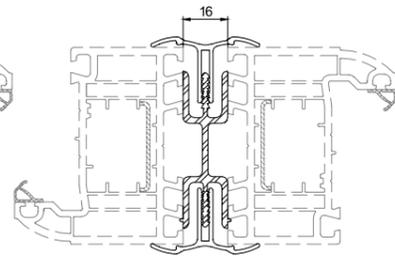
120224 - Coupling Single Sided



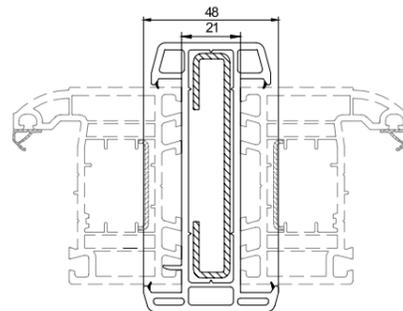
140203 - Coupling Full Width (white only)



140267 - Coupling Full Width



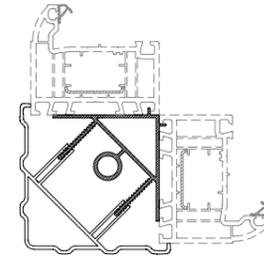
209044 + 2x 100270 - Multi Vista Coupler



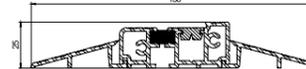
140218 (229018) - Structural Coupling

## → Charts IDEAL 70

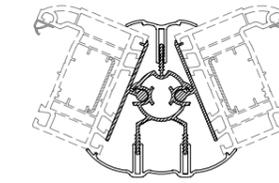
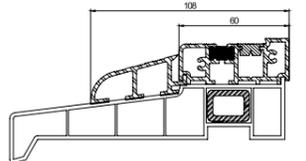
### Assemblies



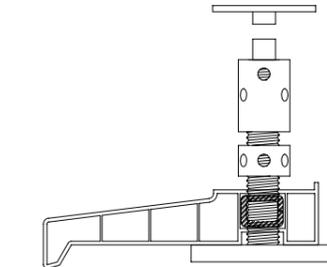
90° Aluminum Post (209043)  
+ Decorative Cover (100223)



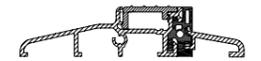
Low Aluminum Threshold (200040)  
+ 2x Standard Ramp (200041)



Variable Angle Bay Post (209041) + Adapters (209042)  
+ covers (100270 + 100271)

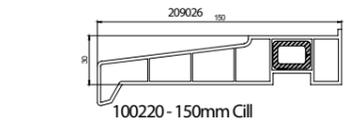


Residential door low threshold (20x101) + ramp 20x102

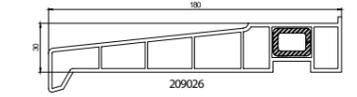


Jack (609040) for 209041 and 209043 - available for 100220  
and 100221 only

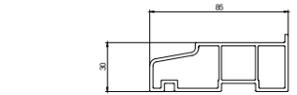
### Sills



100220 - 150mm Cill

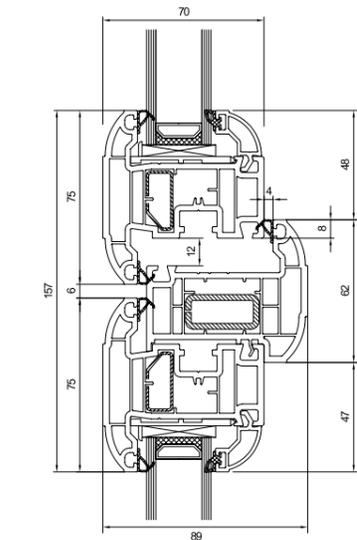


100221 - 180mm Cill

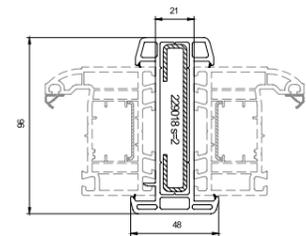


100222 - 85mm Stub Cill

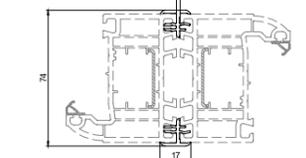
### Low threshold



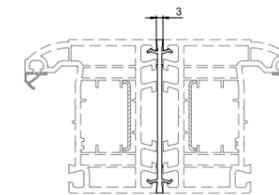
### Assemblies



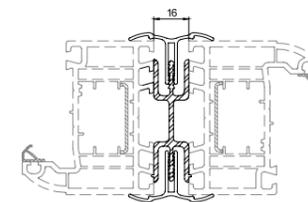
140218 - In line structural Coupler (PVC)



120236 - In line Coupler (PVC)  
2x 120236 - In line Coupler (PVC)



140203  
140203 - In line Coupler (PVC)  
Available in white only



209044 / 100270  
209043 - In line Coupler (Aluminum)  
2x 100270 - Internal Cover (PVC)  
For non-load bearing solutions