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INTRODUCTION

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INTRODUCTION

COMAR 7Pi ECO LT DOOR SYSTEM

The Comar 7Pi ECO LT door has been designed to provide high performance solutions for today's specification demands.

Utilising Comar's trademark P.i. (Polyamide Insulation) themal break technology, it delivers superior thermal performance with an aesthetic edge.

Aesthetics comes from its slim 75 mm profiles, seamlessly integrating with the Comar 5Pi ECO LT casement window system.

Offering single or double doors that can open out, the door is ideally suited to light commercial, residential or social housing projects.

Comar 7Pi ECO LT has been tested to PAS 23 which ensures the door performs well against the rigours of the British weather, reducing draughts and providing excellent weather proofing.

Security concerns are alleviated with the Comar 7Pi. ECO LT door exceeding the requirements of PAS 24 with its secured by design multi-point locking system and key cylinder that is both bump resistant and snap resistant, ensuring the highest levels of reassurance against intruder attack.

Comar 7Pi ECO LT comes with various threshold options, such as rebated for weather performance or low-rise for compliance with the Disability Discrimination Act. (D.D.A).

The glazed area has the capacity to accept glazed units from 24mm up to 33mm thick.

Comar 7Pi ECO LT doors provide a realm of design opportunities with dual colour options: the internal and external faces of the profiles can be polyester powder coated or anodised in a multitude of colours and finishes.

Rebated doors are internally beaded for domestic applications that allow for multi-light construction.

Tooling is available, ensuring that preparations are accurate and wastage reduced. The door uses spring loaded cleats to enable fast-track manufacture.

All technical aspects of the product range are covered in this Product Manual and further information is available from Comar's Technical Department for specific contract requirements.

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SYSTEM SPECIFICATION

COMAR 7Pi ECO LT DOOR SYSTEM

The product was successfully tested to PAS 23 & PAS 24.

For Open In arrangement:-	Water Tightness:	450Pa
Class 3	Air Permiability:	600Pa
	Wind Resistance:	1200Pa

For Open Out arrangement:-	Water Tightness:	900Pa
Class 4	Air Permiability:	600Pa
	Wind Resistance:	1200Pa

Test reports are available on request.

In addition the door system conforms to recognised industry standards as adopted by Centre for Windows and Cladding Technology and trade associations.
i.e. The Council for Aluminium in Building.

Profiles are extruded from Aluminium Alloy 6063TF or TB, to BS EN 12020 & BS EN 755.

Profiles may be finished to the following specifications:-

Anodising to BS EN 12373 & BS 3987.

Liquid organic coatings to BS 4842.

Powder organic coating to BS 6496.

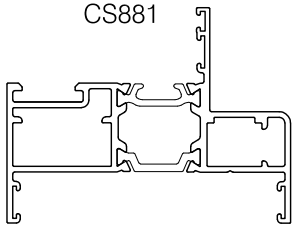
Weather strip and glazing to BS 6375 & BS 4255-1.

Glass and glazing to BS 6262.

The doors are mitre jointed using stainless steel chevrons, alignment cleats and spring loaded cleats. All mitre joints incorporate aluminium adhesive for added strength.

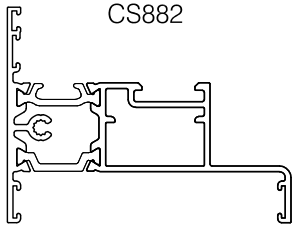
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CS881



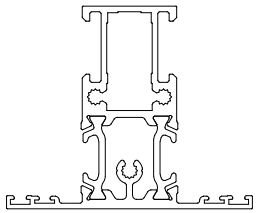
Door Frame- Open Out

CS882



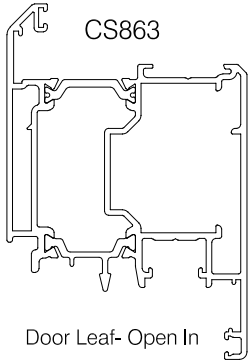
Door Frame- Open In

CS867



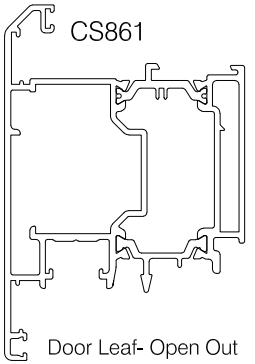
Meeting Style-
Eco Door Mullion

CS863



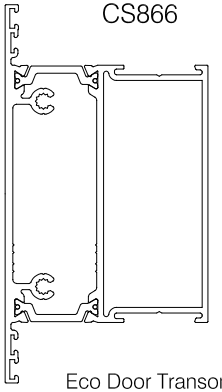
Door Leaf- Open In

CS861



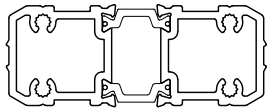
Door Leaf- Open Out

CS866



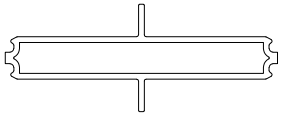
Eco Door Transom
Midrail (Open In)

CS844



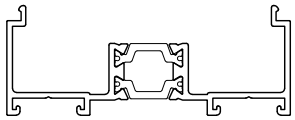
Reinforcement Coupler

CS866



PVC Coupling Locator

CS852



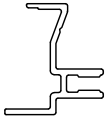
Outer Frame Extension

CS745



Door Low Threshold

CS859



Adapter
Open In / Out Door

CS842



Euro Groove Infill

CS885



Sloped Bead

CS827



Sloped Bead

CS227



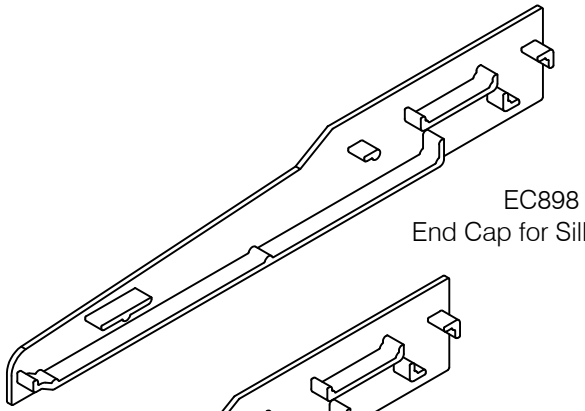
Square Bead

CS884

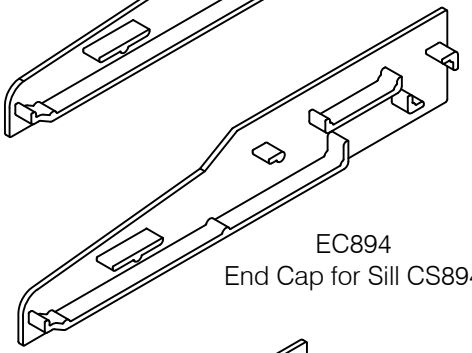


Square Bead

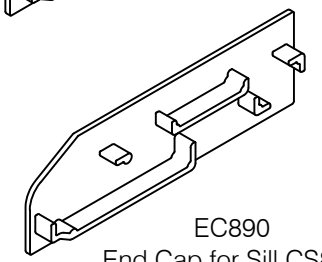
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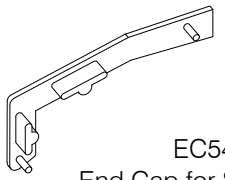
EC898
End Cap for Sill CS898



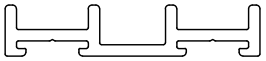
EC894
End Cap for Sill CS894



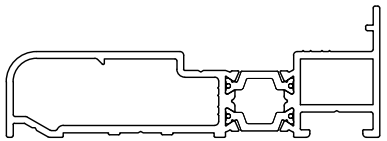
EC890
End Cap for Sill CS890



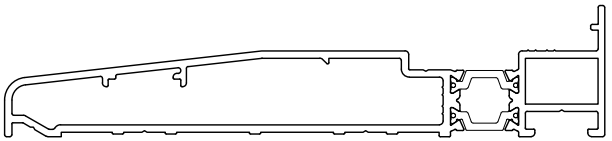
EC541
End Cap for Sill Sosing



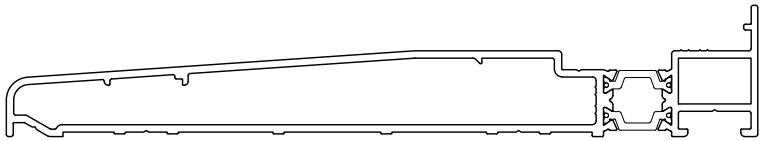
GK865XSLF
Cavity Closer
(CS815,CS817,CS818,CS819)



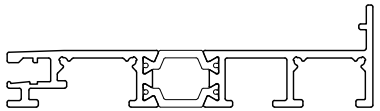
CS890
95mm Sill



CS894
155mm Sill



CS898
195mm Sill



CS485
Framework Sub Sill (T.B.)



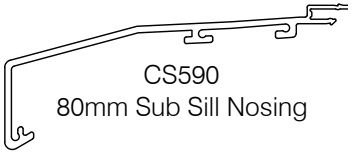
CS 215
Window Drip



CS 583
Door & Window Drip



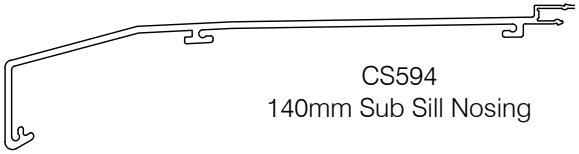
CS588
52mm Sub
Sill Nosing



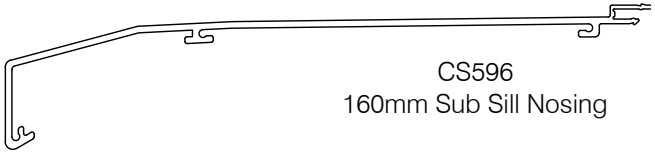
CS590
80mm Sub Sill Nosing



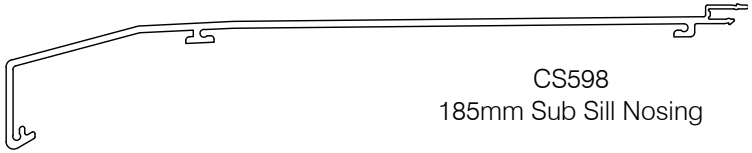
CS592
110mm Sub Sill Nosing



CS594
140mm Sub Sill Nosing



CS596
160mm Sub Sill Nosing



CS598
185mm Sub Sill Nosing

comar 7P.i ECO LT

INTRODUCTION 1

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Broadsheet
Profiles

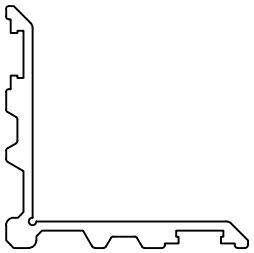
Scale1:1

R0 - 10-02-2020

1.04

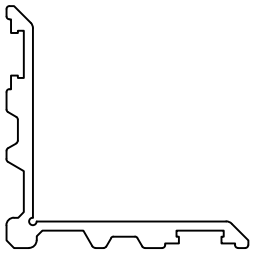
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WS890XSLF



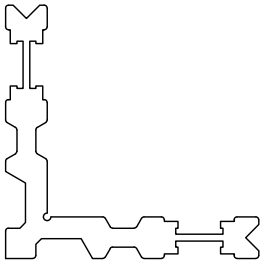
Window Corner Cleat
16.5mm cut from CS546

WS891XSLF



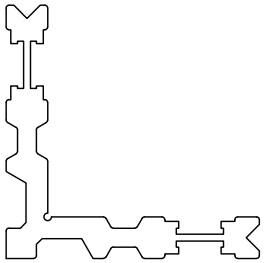
Window Corner Cleat
21.5mm cut from CS546

WS892XSLF



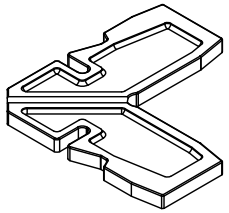
Door Corner Cleat
25.5mm cut from CS246

WS893XSLF



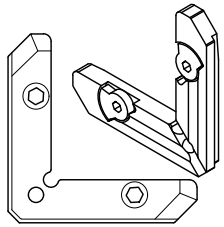
Door Corner Cleat
14mm cut from CS246

WS172XSLF



Cleat for
CS861/CS863

WS416XSLF

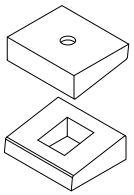


Alignment Square
CS861/CS863

WS092XSLF

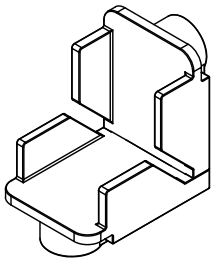


WS561XSLF



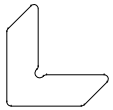
Adjustable Lifting
Wedges

WS395XSLF



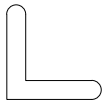
Mechanical Cleat for
CS861/CS863

WS815XSLF



8mm Chevron

WS515XSLF



5mm Chevron

GK401



2.2mm Wedge
Gasket

GK403



3mm Wedge
Gasket

GK405



4mm Wedge
Gasket

GK407



5.2mm Wedge
Gasket

GK408



6mm Wedge
Gasket

GK422



2mm Arrow
Head Gasket

GK425

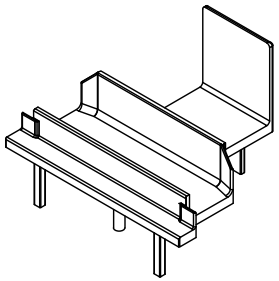


5mm Arrow
Head Gasket

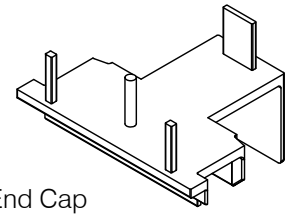
GK441



Compression
Weather Strip

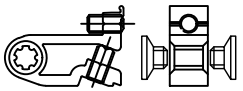


EC867DBLK



Mullion End Cap

WS808 XKIT



Cruciform Cleat Kit

GK840



Weather Seal
Gasket

GK841



Weather Seal
Gasket

GK054



Euro Groove Filler

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LK858XSLF. For Door 2044-2494mm
LK832XSLF. For Door 1744-2194mm
Slave Leaf Top Shoot



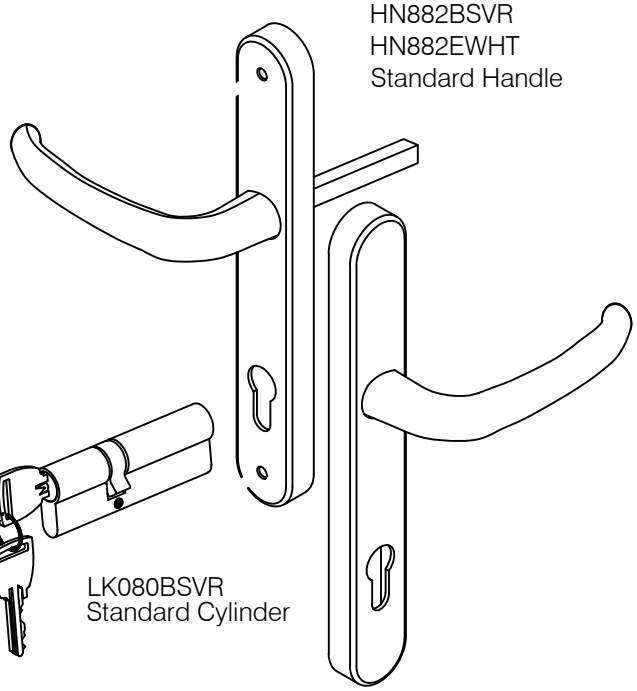
LK830XSLF
Triple Lock

LK841XSLF- Left
LK842XSLF- Right
Centre Lock Keep

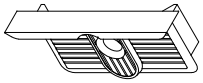
LK840XSLF
Lock Keep

LK857XSLF
Slave Leaf Bottom Shoot

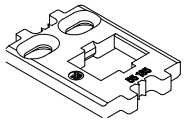
HN882BSVR
HN882EWHT
Standard Handle



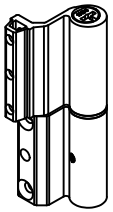
LK080BSVR
Standard Cylinder



LK834XSLF
Roller Keep

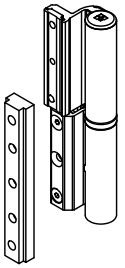


LK833XSLF
Shoot Keep

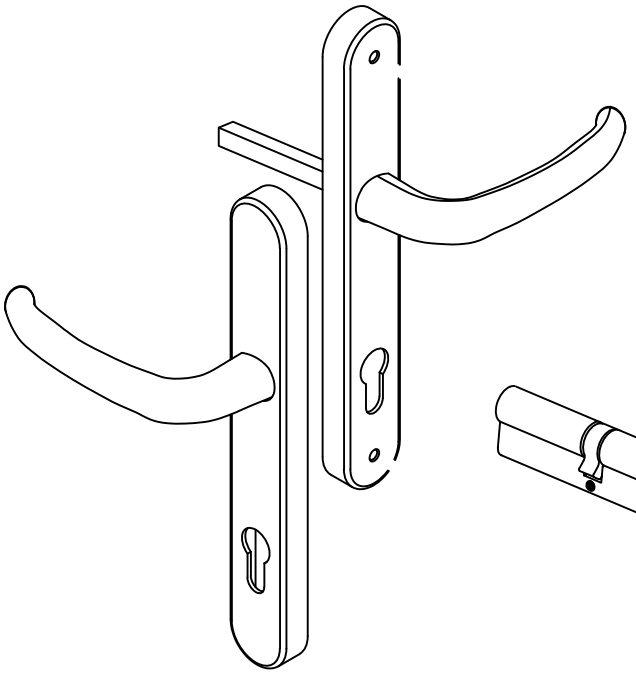


HN850BSVR
HN850EWHT
Standard Hinge

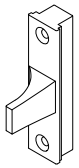
HN851BSVR
HN851EWHT
Security Hinge



HN881BSVR
HN881EWHT
Security Handle
(Open Out only)



LK810XSLF
Hinge Security Bolt



LK079BSVR
Security Cylinder

comar 7P.i ECO LT

INTRODUCTION 1

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Broadsheet
Hardware

A4 Scale: NTS R0 - 10-02-2020

1.06