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Republic of Ireland & UK

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# Estra Ventilator Data Sheet



# Application

The Estra is a transparent louver system which is fitted vertically, and is suitable for both daily ventilation and smoke & heat extraction. The Estra's aesthetic and sleek design means that it really comes into its own in projects featuring substantial amounts of glass. The Estra has thermally separated profile sections, and is available with either single or double glazing. The choice of louvers available includes point-fixed, circumferentially framed and (semi-)structural glazing. Fields of application: atriums, shopping centres, industrial buildings and offices.



## Single Glass Center Pivoted

The Estra EG

- Single toughened glass thickness 6 / 8 / 10 / 12mm  
Optional laminated glass 12mm
- Center pivoted
- Overlapping
- Max. width per element:  
1500mm (6 / 8 / 10mm)  
1650mm (12mm)
- EN 12101-2 certified



Estra EG

## Single Glass Point-Fixed

The Estra EG Point-Fix

- Single toughened / laminated glass thickness 12mm
- Center pivoted
- Overlapping / Flush connection
- Max. width per element: 1650mm



Estra EG Point-Fix

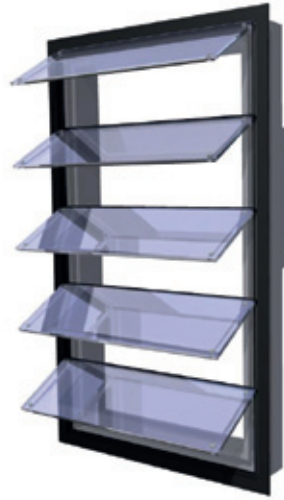
# Technical Specifications

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## Single Glass Top Hinge

The Estra EG Top

- Single toughened / laminated glass thickness 10 / 12mm
- Top hinge
- Overlapping / Flush connection
- Max. width per element:  
1200mm



Estra EG Top

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## Double Glazed Top Hinge

The Estra TG Top

- Thermally separated
- Double glazing thickness 32-40mm
- Top hinge
- Flush connection
- Circumferentially framed / fully or semi-structural
- Max. width per element:  
1200mm (semi-)structural  
1700mm circumferentially framed
- EN 12101-2 certified (applies solely to fully and semistructural models)



Estra TG Top

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## Double Glazed Top Hinge for Roof Installation

The Estra TG Roof

- Installed in sloping roof 5°-75°
- Thermally separated
- Double glazing thickness 32-40mm
- Top hinge
- Flush connection
- Structural
- Max. width per element: 1400mm



Estra TG Roof

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# Technical Specifications

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## Double Glazed Center Pivoted Framed

The Estra TG

- Thermally separated
- Double glazing thickness 24 mm  
Optional thickness 30 mm
- Center pivoted
- Flush connection
- Circumferentially framed
- Also available Iso sandwich panel model
- Max. width per element:  
1600 mm (24 mm)  
Optional 1800 mm (30 mm)
- EN 12101-2 certified



Estra TG

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## Double Glazed Center Pivoted (Semi-)Structural

Estra TG Semi-Structural/TG Structural

- Thermally separated
- Double glazing in case of semistructural thickness 30 / 40mm
- Double glazing in case of structural thickness dependent on  
thickness of structural glazing
- Center pivoted
- Flush connection
- Fully or semi-structural
- Max. width per element: 1800mm
- EN 12101-2 certified (applies solely to fully structural model)



Estra TG Top

## Operating systems

- Manually operated by means of a lever or spindle
- Motor 230V / 24V
- Pneumatic cylinder

# Technical Specifications

## Estra Product Overview

Façade Options	Louver Attachment	Louver Model	Louver Connection	Glass Options	EN 12101-2	Max. width per element
Estra TG 32 / 40 Roof	Top hinge	Structural	Flush connection	Double glazing	–	1400mm
Estra TG 32 / 40 Top Structural	Top hinge	Structural	Flush connection	Double glazing	✓	1200mm
Estra TG 32 / 40 Top Semi-Structural	Top hinge	Semi-structural (horizontal structural, supported on the side)	Flush connection	Double glazing	✓	1200mm
Estra TG 32 / 40 Top Framed	Top hinge	Circumferentially framed	Flush connection	Double glazing	–	1700mm
Estra TG Structural	Center pivoted	Structural	Flush connection	Double glazing	✓	1800mm
Estra TG 30 / 40 Semi-Structural	Center pivoted	Semi-structural (horizontal structural, supported on the side)	Flush connection	Double glazing	–	1800mm
Estra TG 24 / 30	Center pivoted	Circumferentially framed	Flush connection	Double glazing	✓	1600mm /24mm optional: 1800mm /30mm
Estra EG 10 / 12 Top Overlapping	Top hinge	Semi-structural (horizontal structural, supported on the side)	Overlapping	Laminated single glass	–	1200mm
Estra EG 10 / 12 Top Flush	Top hinge	Semi-structural (horizontal structural, supported on the side)	Flush connection	Laminated single glass	–	1200mm
Estra EG 12 Point-Fix Overlapping	Center pivoted & Point-fixed	Semi-structural (horizontal structural, supported on the side)	Overlapping	Laminated single glass	–	1650mm
Estra EG 12 Point-Fix Flush	Center pivoted & Point-fixed	Semi-structural (horizontal structural, supported on the side)	Flush connection	Laminated single glass	–	1650mm
Estra EG 12 Overlapping	Center pivoted	Semi-structural (horizontal structural, supported on the side)	Overlapping	Laminated single glass	✓	1650mm (12mm)
Estra EG 6 / 8 / 10 Overlapping	Center pivoted & Point-fixed	Semi-structural (horizontal structural, supported on the side)	Overlapping	Laminated single glass	✓	1500mm (6/8/10mm)

## Further Specifications

Façade Options	Thermally Separated	Iso Sandwich Panel	Glass Thickness	Louver Height (mm)
Estra TG 32 / 40 Roof	✓	✓	32 / 40	250-650
Estra TG 32 / 40 Top Structural	✓	✓	32 / 40	250-700
Estra TG 32 / 40 Top Semi-Structural	✓	✓	32 / 40	250-700
Estra TG 32 / 40 Top Framed	✓	✓	32 / 40	250-700
Estra TG Structural	✓	–	–	200-300
Estra TG 30 / 40 Semi-Structural	✓	–	30 / 40	200-300
Estra TG 24 / 30	✓	✓	24 / 30	200-300
Estra EG 10 / 12 Top Overlapping	–	✓	10 / 12	250-450
Estra EG 10 / 12 Top Flush	–	✓	10 / 12	250-450
Estra EG 12 Point-Fix Overlapping	–	–	12	200-300
Estra EG 12 Point-Fix Flush	–	–	12	200-300
Estra EG 12 Overlapping	–	–	12	200-300
Estra EG 6 / 8 / 10 Overlapping	–	–	6/8/10	200-300





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