

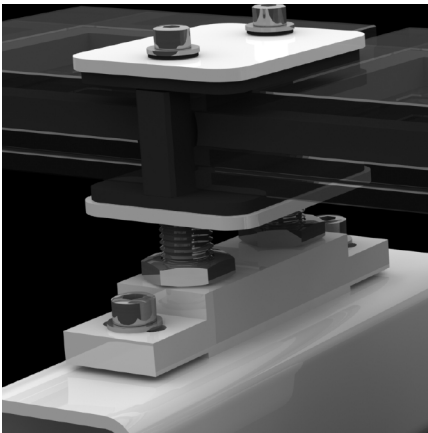
ECG-System

Edge Clamped Glass

Glazing System

NOVUM





**System Components**

01. A field bolted adjustable clamp raised above the surface to which it is fixed. It typically features a discreet surface plate or can be flush for insulating glass
02. Top and lower clamp plates are flat or formed to accept a variety of angles. Top plate is typically from aluminum but can be Grade 316 stainless steel
03. Fasteners are Grade 316 stainless steel
04. Aluminum machined base and lower clamp plate
05. Glass/panel spacers are stiff silicone
06. Panels can be glass or opaque stiff panel/plate products
07. 100% silicone joints comprised of wet silicone and extruded silicone gaskets
08. Compressible silicone washers on bolts to prevent water infiltration



**Applications**

01. Vertical, overhead and sloped structural glazing
02. Used wherever flat panels are to be supported along their edges but not continuously
03. Excellent for use on freeform surfaces, facades, roofs and canopies
04. Good in all climates and environmental conditions



**System Attributes**

01. Contemporary but affordable design aesthetic where the glass "floats"
02. Extremely well suited to angular changes in surface planes such as found in freeform structures
03. Controlled glass joint widths and panels can be 2, 3 or 4-sided support depending on applied loads and sizes
04. Nominal interruption of glass surface for maximum transparency
05. Can provide a flush glazed aesthetic
06. Free air flow around the interior glass surface reduces condensation
07. Economical clamped fitting is easily adjustable after the glass is set and ideal for fast installation. Clamps can take dead loading and applied wind loads
08. Glass panels are designed using finite element analysis for maximum safety
09. Larger panel sizes and loads can be accommodated by increasing the number of clamps
10. In the event of maintenance, the clamps are user-friendly to glass replacement activities
11. Integrates easily with all Novum Structural Systems
12. Each project is designed by Novum's in-house engineers using automated software

**Options/Materials/Finishes**

01. Glass can be monolithic, laminated or insulated and of any thickness
02. Many glass coatings and frit patterns are available
03. Standard clamp finishes are aluminum clear anodized – white or black
04. Cap plate options include stainless steel #4, #8 or bead blasted
05. Other aluminum color choices or custom cap plate shapes are available
06. For insulated glass units, the top cover plate can be replaced by hidden Grade 316 stainless steel toggle fasteners to achieve uninterrupted glass-silicone surface