Austvision Version 1

SpiderFrame

Structural Glass System

The Austvision SpiderFrame System is a specially developed elliptical shaped aluminium extrusion and spider connection system for structural glass walls and screens, shopfront, display walls or canopies

The SpiderFrame uses simple techniques for connecting Toughened Safety Glass panels to the SpiderFrame, which can be used as a vertical post or horizontal transom or canopy supports. The SpiderFrame can also be used cantilevered in short sections to replace glass fins or the like, and even for balustrade posts. It is connected to the structure with special profiled feet and can be reinforced with steel RHS inserts for high loadings over long spans.

Types

The SpiderFrame has 3 fixing options;

AlphaLink – 50/150 link connector
443 series – 4 or 2 light weight spider with a central M10 fixing
446 series – 4 or 2 way heavy duty spider with M16 fixing

Glass bolt connectors can be countersunk, disc or swivel to suit the application and glass thickness

Material and Finish

The SpiderFrame is a 150 x 72mm elliptical aluminium extrusion which can be anodised or powder coated to suit including the profile clip on covers to conceal fixing slots. The extrusion lengths are 4.5m but can be joined. The fixing feet are stainless steel or mild steel along with the RHS stiffener. The spider fittings are cast 316 marine grade stainless steel and are available in satin and polished stainless finish.

Installation

The SpiderFrame can be used with Metro GlassTech TempaFloat, TempaSoak, TempaScreen or TempaPrint Toughened Safety Glass (TSG) or SafeLite Toughened Laminated Safety Glass (TLSG)

Benefits

- Easy to measure and install
- Can be stiffened for large spans
- Adjustable
- Suitable for 8mm toughened to 20mm toughened laminated glass
- Can be used with point fixed IGUs
- Good corrosion resistance
- Appealing Profile design
- Range of fitting options

Metro Frameless Glass Systems
Unit O, 35 Maurice Rd, Penrose, Auckland
Ph: 09 622 2643 Fax: 09 622 2648
www.metroframeless.co.nz

Compliance

The SpiderFrame is specifically designed for each application as the post span and width modules are based on the design loads for the project.

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