

Austvision Tierod – Canopy System

The Austvision TieRod Canopy System was designed and developed for residential and commercial entrances with a strong emphasis on simplicity in design and ease of installation.



Specific Engineering design is required when tied back to a single fixing point.

Key Features

- ▶ 316 Stainless Steel Components for long life and increased strength (Good corrosion resistance)
- ▶ The 60/22-22n swivel glass connectors are designed with 6° rotation in any direction to reduce the stress around the glass hole compared to conventional fixed connectors.
- ▶ Fixing positions can be changed to have the glass sloping towards or away from the structure
- ▶ Multiple configurations are available (From a single canopy rows of canopies to suit particular installations).

Standard designs are available as follows:

- ▶ C1- 1 pane - 2 tie rods.
- ▶ Custom designs are also available on request.

The system is glazed with Metro Performance Glass, as follows:

- ▶ Toughened Heat Soak Glass
- ▶ Toughened Screen Print Glass
- ▶ Toughened Digital Print Glass
- ▶ SAFELITE® EVA or SAFELITE® STF (Sentry®) toughened laminated structural glass. Note that breakage characteristic and edge protection requirements may alter with different types of interlayers.

Scope of Use

- ▶ A glass canopy enables through light while still providing overhead weather protection.
- ▶ A Tierrod with forks enables the glass to be attached and fixed back to the structure.

Compliance

- ▶ Austvision Tierrod Systems require specific design on a project basis subject to design loads.

Support Inquiries

- ▶ Metro Technical phone (09) 927 3000 or email technical@metroglass.co.nz

FRAMELESS GLASS CANOPIES

Austvision Tierod Canopy System

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
AUSTVISION TIEROD GLASS CANOPY KIT See figure 1 below for enlargement	500000	W= 1500mm D=1400mm 10mm	SSS	316 STAINLESS STEEL	TIEROD CANOPY	GLASS CANOPY KIT	Commercial & Residential
	500001	W= 1700mm D=1600mm 12mm	SSS				
		GLASS THICKNESS: 10-12mm					
AUSTVISION TIEROD GLASS CANOPY KIT See figure 2 below for enlargement	500002	W= 2600mm D=1400mm 10mm	SSS	316 STAINLESS STEEL	TIEROD CANOPY	GLASS CANOPY KIT	Commercial & Residential
	500003	W= 3000mm D=1600mm 12mm	SSS				
		GLASS THICKNESS: 10-12mm					
AUSTVISION TIEROD GLASS CANOPY KIT See figure 3 below for enlargement	500004	W= 3700mm D=1400mm 10mm	SSS	316 STAINLESS STEEL	TIEROD CANOPY	GLASS CANOPY KIT	Commercial & Residential
	500005	W= 4300mm D=1600mm 12mm	SSS				
		GLASS THICKNESS: 10-12mm					

NOTE: For glass thicknesses other than 10-12mm please specify when order placement is made.
Glass dimensions and thickness subject to specific design.

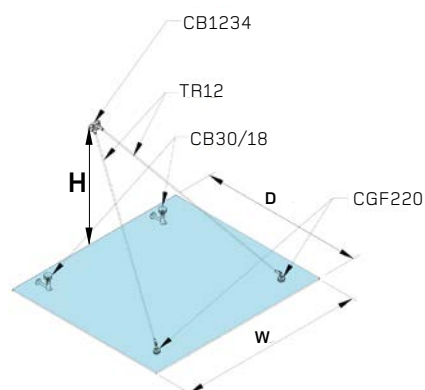


Figure 1

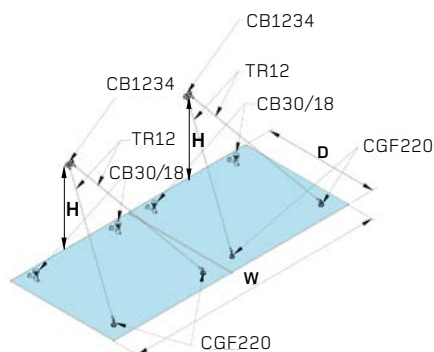


Figure 2

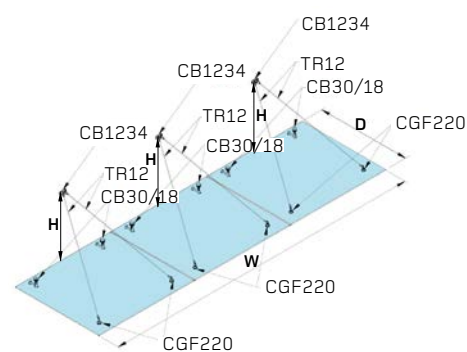


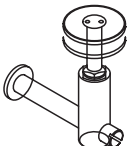



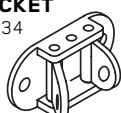



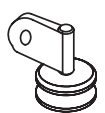

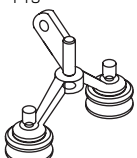

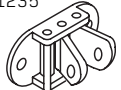

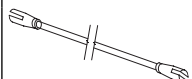
Figure 3

$H \geq 2/3$ of D

The recommended height of the tie rod fixing on the wall should be at least $2/3$ of the depth of the glass panel. A height of less than $2/3$ of the depth of the panel could be achieved in some cases with specific glass thickness and rod size. The minimum slope of the panel should be 5 degrees from horizontal to allow drainage.

FRAMELESS GLASS CANOPIES

Austvision Tierod Canopy Components

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
AUSTVISION TIEROD ONE WAY GLASS TO WALL BRACKET CB30/18 	500009		SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	GLASS TO WALL BRACKET *Includes 60/22/22n Swivel	Commercial & Residential 
		GLASS THICKNESS: Suitable for 10mm to 19mm TSG Suitable for 11.5mm to 22mm TLGS					
AUSTVISION TIEROD ONE WAY BRACKET CB523 	500010	106x28mm M10 holes	SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	WALL TO TIEROD BRACKET *Includes 7mm Cir-clip & Clevis Pin	Commercial & Residential 
AUSTVISION TIEROD TWO WAY BRACKET CB1234 	500008	90x60mm M12 holes	SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	WALL TO TIEROD BRACKET *Includes 7mm Cir-clip & Clevis Pin	Commercial & Residential 
COUNTERSUNK SCREW 	301281	M10 x 100mm CSK	SSS	316 STAINLESS STEEL	COACH SCREW	TIMBER FIXING	Commercial & Residential 
AUSTVISION TIEROD ONE WAY GLASS BRACKET CGF220 	500011	M12 holes	SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	TIEROD TO GLASS BRACKET *Includes 60/22/22n Swivel	Commercial & Residential 
		GLASS THICKNESS: Suitable for 10mm to 19mm TSG Suitable for 11.5mm to 22mm TLGS					
AUSTVISION TIEROD TWO WAY GLASS BRACKET CGF443 	500012	90x60mm M12 holes	SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	TIEROD TO GLASS BRACKET *Includes 50mm x 6mm disc	Commercial & Residential 
		GLASS THICKNESS: Suitable for 10mm to 19mm TSG Suitable for 11.5mm to 22mm TLGS					
AUSTVISION TIEROD THREE WAY BRACKET CB1235 	500288	90x60mm M12 holes	SSS	316 STAINLESS STEEL	TIEROD CANOPY BRACKET	WALL TO TIEROD BRACKET *Includes 7mm Cir-clip & Clevis Pin	Commercial & Residential 
TIEROD (M12) TR12 	500006	12mm dia. M12 thread	SSS	316 STAINLESS STEEL	TIEROD CANOPY	GLASS CANOPY KIT	Commercial & Residential 