Austvision SpiderCanopy – Canopy System

The Austvision SpiderCanopy System can be used for both residential and commercial applications requiring large panes and support spans for high design wind, snow and live loads.

The SpiderCanopy System utilises Austvision 445 series or 446 series spider fittings to transfer the loads from the glass to the supporting members.

Key Features

- Use of the spider fittings reduces installation time and provides ease of adjustment on site.
- Fixed disc or swivel fittings can be used. Swivels are designed with 6° rotation in any direction and these reduce the stresses around the glass holes compared to conventional fixed disc fittings
- All spider fittings are cast 316 marine grade satin stainless steel, in satin or polished finish. (Good corrosion resistance)
- Easy to measure and install
- Swivel fittings to reduce glass stresses around holes.

Types:

The SpiderCanopy System has 4 fixing options;

- 443 series – 4 way or 2 way light duty spider fittings
- 444 series – 4 way or 2 way light duty spider fittings
- 445 series – 4 way or 2 way heavy duty spider fittings
- 446 series – 4 way or 2 way heavy duty spider fittings

Glass fixings can be M10 CSK Disc or 60/22-22n swivel disc to suit the application and glass thickness.

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

- Suitable for 10mm to 19mm TEMPASOAK® toughened safety glass
- Toughened Heat Soak Glass
- Toughened Screen Print Glass
- Toughened Digital Print Glass
- Suitable for 11.5 to 32mm SAFELITE® EVA or SAFELITE® STF (Sentry®) toughened laminated structural glass
- Note that breakage characteristic and edge protection requirements may alter with different types of interlayer

Compliance

- SpiderCanopy System requires specific design on a project basis subject to design loads.

Scope of Use

- A glass canopy enables light through while still providing overhead weather protection.

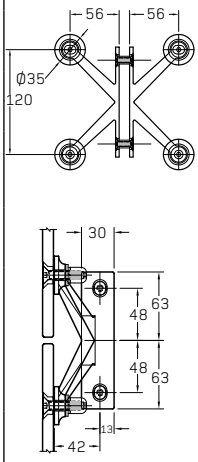
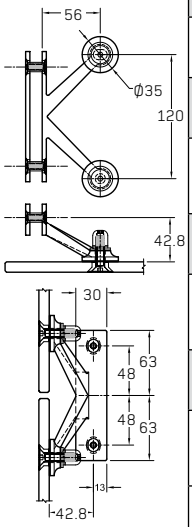
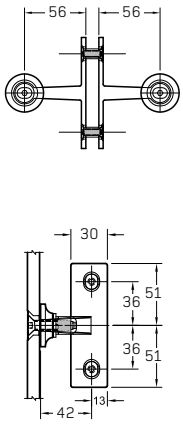
Support Inquiries

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

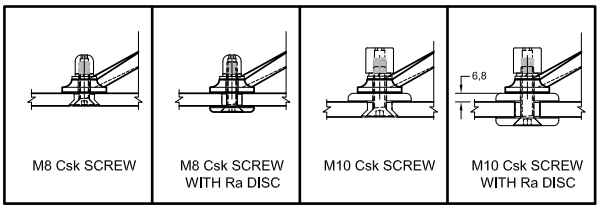
FRAMELESS GLASS CANOPIES

Spider Fittings (Lightweight)

10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
444/4 SPIDER 	500123	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500124	M8 CSK SCREW WITH DISC	PSS				
	500125	M10 CSK SCREW	PSS				
	500126	M10 CSK SCREW WITH DISC	PSS				
	500127	M8 CSK SCREW	SSS				
	500128	M8 CSK SCREW WITH DISC	SSS				
	500129	M10 CSK SCREW	SSS				
	500130	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
444/4/2 SPIDER 	500131	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500132	M8 CSK SCREW WITH DISC	PSS				
	500133	M10 CSK SCREW	PSS				
	500134	M10 CSK SCREW WITH DISC	PSS				
	500135	M8 CSK SCREW	SSS				
	500136	M8 CSK SCREW WITH DISC	SSS				
	500137	M10 CSK SCREW	SSS				
	500138	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
444/2 SPIDER 	500107	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500108	M8 CSK SCREW WITH DISC	PSS				
	500109	M10 CSK SCREW	PSS				
	500110	M10 CSK SCREW WITH DISC	PSS				
	500111	M8 CSK SCREW	SSS				
	500112	M8 CSK SCREW WITH DISC	SSS				
	500113	M10 CSK SCREW	SSS				
	500114	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					

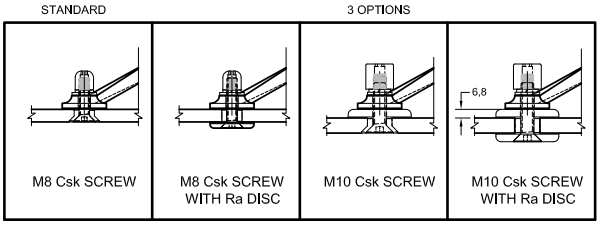
STANDARD / 3 OPTIONS



M8 Csk SCREW | M8 Csk SCREW WITH Ra DISC | M10 Csk SCREW | M10 Csk SCREW WITH Ra DISC

NOTE: CSK fixing options require a thicker glass selection.

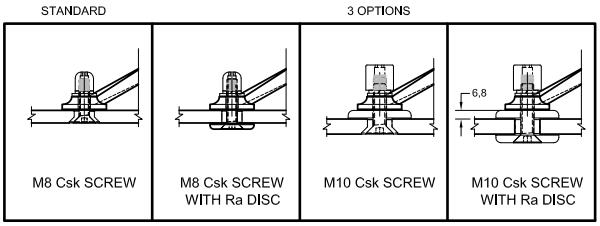
STANDARD / 3 OPTIONS



M8 Csk SCREW | M8 Csk SCREW WITH Ra DISC | M10 Csk SCREW | M10 Csk SCREW WITH Ra DISC

NOTE: CSK fixing options require a thicker glass selection.

STANDARD / 3 OPTIONS



M8 Csk SCREW | M8 Csk SCREW WITH Ra DISC | M10 Csk SCREW | M10 Csk SCREW WITH Ra DISC

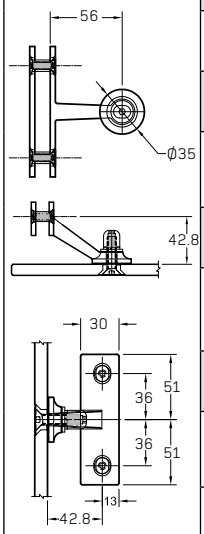
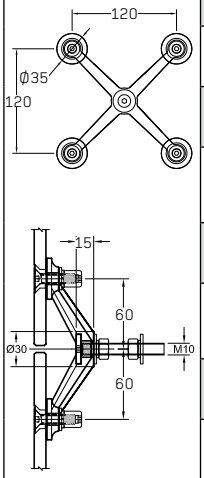
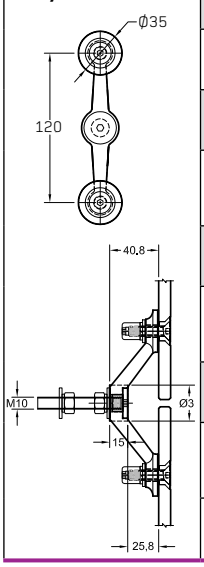
NOTE: CSK fixing options require a thicker glass selection.

©Metro Performance Glass. Manufactured Frameless Glass Specifiers Guide. Edition 6, Version 1/2019.

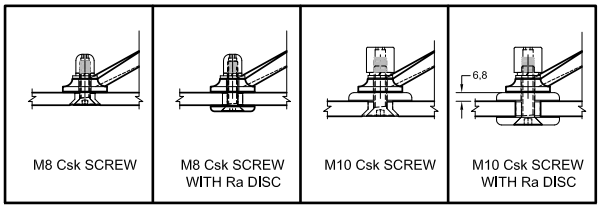
FRAMELESS GLASS CANOPIES

Spider Fittings (Lightweight)

10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
444/2/1 SPIDER 	500115	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500116	M8 CSK SCREW WITH DISC	PSS				
	500117	M10 CSK SCREW	PSS				
	500118	M10 CSK SCREW WITH DISC	PSS				
	500119	M8 CSK SCREW	SSS				
	500120	M8 CSK SCREW WITH DISC	SSS				
	500121	M10 CSK SCREW	SSS				
	500122	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
443/4 SPIDER 	500091	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500092	M8 CSK SCREW WITH DISC	PSS				
	500093	M10 CSK SCREW	PSS				
	500094	M10 CSK SCREW WITH DISC	PSS				
	500095	M8 CSK SCREW	SSS				
	500096	M8 CSK SCREW WITH DISC	SSS				
	500097	M10 CSK SCREW	SSS				
	500098	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
443/2 SPIDER 	500075	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500076	M8 CSK SCREW WITH DISC	PSS				
	500077	M10 CSK SCREW	PSS				
	500078	M10 CSK SCREW WITH DISC	PSS				
	500079	M8 CSK SCREW	SSS				
	500080	M8 CSK SCREW WITH DISC	SSS				
	500081	M10 CSK SCREW	SSS				
	500082	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					

STANDARD / 3 OPTIONS



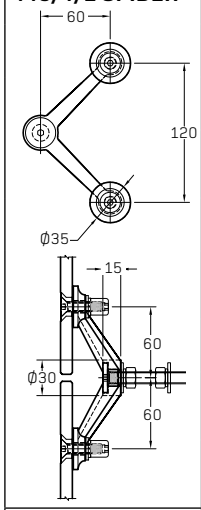
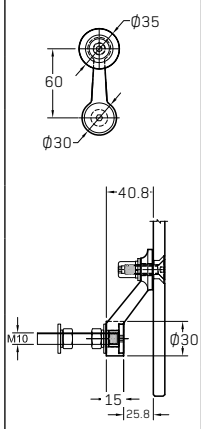
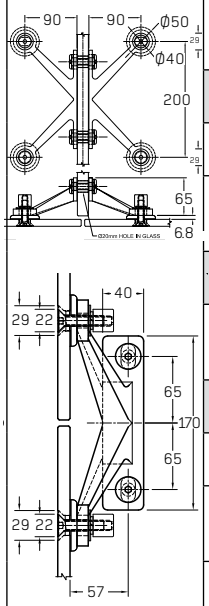
M8 Csk SCREW | M8 Csk SCREW WITH Ra DISC | M10 Csk SCREW | M10 Csk SCREW WITH Ra DISC

NOTE: CSK fixing options require a thicker glass selection.

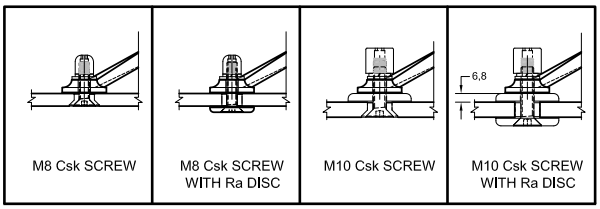
FRAMELESS GLASS CANOPIES

Spider Fittings (Lightweight and Heavy Duty)

10 YEAR HARDWARE WARRANTY

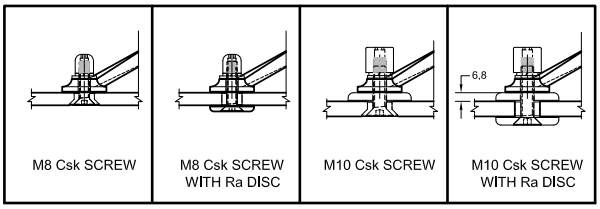
Product	Model	Sizes mm	Finish	Material	Type	Application	Area
443/4/2 SPIDER 	500099	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500100	M8 CSK SCREW WITH DISC	PSS				
	500101	M10 CSK SCREW	PSS				
	500102	M10 CSK SCREW WITH DISC	PSS				
	500103	M8 CSK SCREW	SSS				
	500104	M8 CSK SCREW WITH DISC	SSS				
	500105	M10 CSK SCREW	SSS				
	500106	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
443/2/1 SPIDER 	500083	M8 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	LIGHT WEIGHT SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500084	M8 CSK SCREW WITH DISC	PSS				
	500085	M10 CSK SCREW	PSS				
	500086	M10 CSK SCREW WITH DISC	PSS				
	500087	M8 CSK SCREW	SSS				
	500088	M8 CSK SCREW WITH DISC	SSS				
	500089	M10 CSK SCREW	SSS				
	500090	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS					
445/4M SPIDER 	500155	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500156	M10 CSK SCREW WITH B/H*	PSS				
	500646	SWIVEL 32/22-22n	PSS				
	500157	SWIVEL 60/22-22n	PSS				
	500158	SWIVEL 60/22-42n (IGU)	PSS				
	500159	M10 CSK SCREW	SSS				
	500160	M10 CSK SCREW WITH B/H*	SSS				
	500645	SWIVEL 32/22-22n	SSS				
	500161	SWIVEL 60/22-22n	SSS				
	500162	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD					

STANDARD / 3 OPTIONS



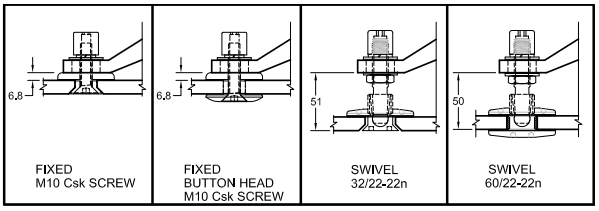
NOTE: CSK fixing options require a thicker glass selection.

STANDARD / 3 OPTIONS



NOTE: CSK fixing options require a thicker glass selection.

GLASS FIXING OPTIONS STANDARD / 3 OPTIONS



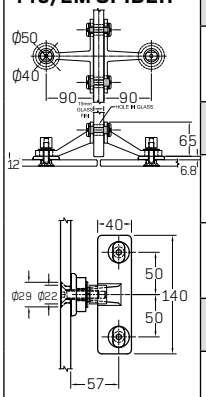
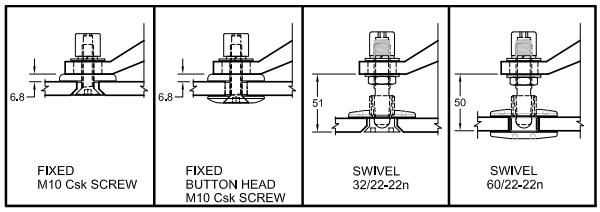
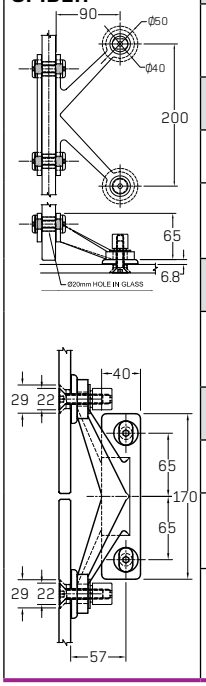
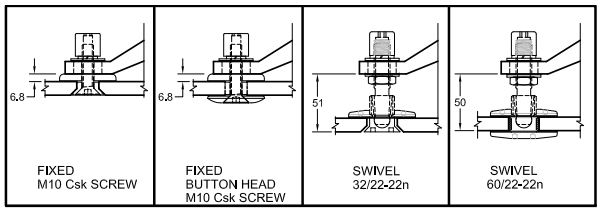
NOTE: CSK fixing options require a thicker glass selection.

©Metro Performance Glass. Manufactured Frameless Glass Specifiers Guide. Edition 6, Version 1/2019.

FRAMELESS GLASS CANOPIES

Spider Fittings (Heavy Duty)

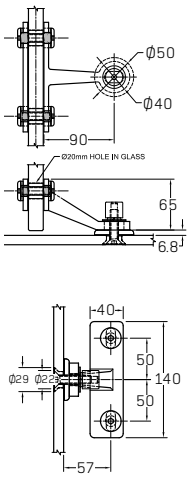
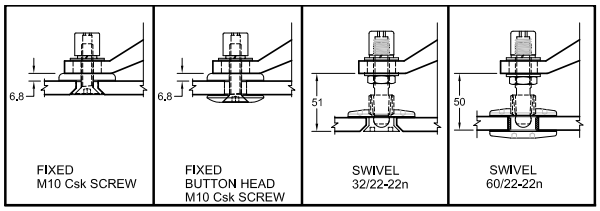
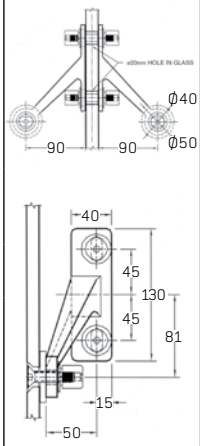
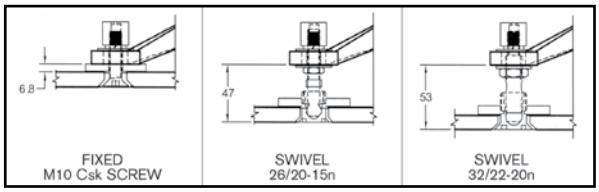
10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
445/2M SPIDER 	500139	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500140	M10 CSK SCREW WITH B/H*	PSS				
	500648	SWIVEL 32/22-22n	PSS				
	500141	SWIVEL 60/22-22n	PSS				
	500142	SWIVEL 60/22-42n (IGU)	PSS				
	500143	M10 CSK SCREW	SSS				
	500144	M10 CSK SCREW WITH B/H*	SSS				
	500647	SWIVEL 32/22-22n	SSS				
	500145	SWIVEL 60/22-22n	SSS				
	500146	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD		GLASS FIXING OPTIONS STANDARD  **NOTE:** CSK fixing options require a thicker glass selection.			
445/4M/2 SPIDER 	500163	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500164	M10 CSK SCREW WITH B/H*	PSS				
	500650	SWIVEL 32/22-22n	PSS				
	500165	SWIVEL 60/22-22n	PSS				
	500166	SWIVEL 60/22-42n (IGU)	PSS				
	500167	M10 CSK SCREW	SSS				
	500168	M10 CSK SCREW WITH B/H*	SSS				
	500649	SWIVEL 32/22-22n	SSS				
	500169	SWIVEL 60/22-22n	SSS				
	500170	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD		GLASS FIXING OPTIONS STANDARD  **NOTE:** CSK fixing options require a thicker glass selection.			

FRAMELESS GLASS CANOPIES

Spider Fittings (Heavy Duty)

10 YEAR HARDWARE WARRANTY

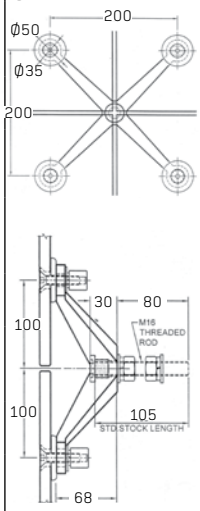
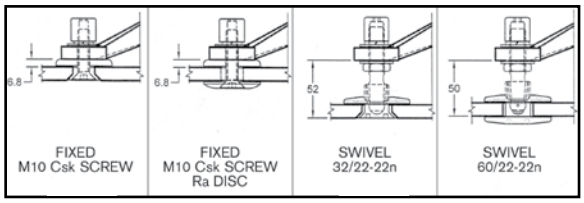
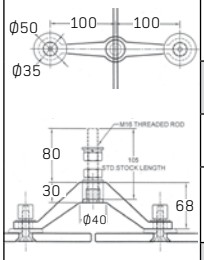
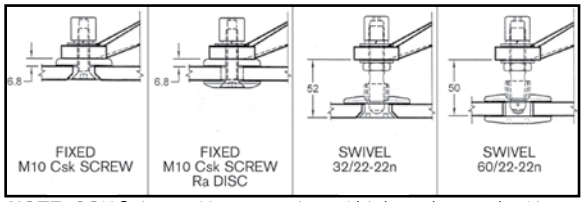
Product	Model	Sizes mm	Finish	Material	Type	Application	Area
445/2M/1 SPIDER 	500147	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500148	M10 CSK SCREW WITH B/H*	PSS				
	500652	SWIVEL 32/22-22n	PSS				
	500149	SWIVEL 60/22-22n	PSS				
	500150	SWIVEL 60/22-42n (IGU)	PSS				
	500151	M10 CSK SCREW	SSS				
	500152	M10 CSK SCREW WITH B/H*	SSS				
	500651	SWIVEL 32/22-22n	SSS				
	500153	SWIVEL 60/22-22n	SSS				
	500154	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD		GLASS FIXING OPTIONS STANDARD  **NOTE:** CSK fixing options require a thicker glass selection.			
445/4M/2Y SPIDER 	500171	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500654	M10 CSK SCREW WITH B/H*	PSS				
	500658	SWIVEL 32/22-22n	PSS				
	500172	SWIVEL 60/22-22n	PSS				
	500173	SWIVEL 60/22-42n (IGU)	PSS				
	500174	M10 CSK SCREW	SSS				
	500653	M10 CSK SCREW WITH B/H*	SSS				
	500657	SWIVEL 32/22-22n	SSS				
	500175	SWIVEL 60/22-22n	SSS				
	500176	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD		FASTENER TYPES  **NOTE:** CSK fixing options require a thicker glass selection.			

©Metro Performance Glass. Manufactured Frameless Glass Specifiers Guide. Edition 6, Version 1/2019.

FRAMELESS GLASS CANOPIES

Spider Fittings (Heavy Duty)

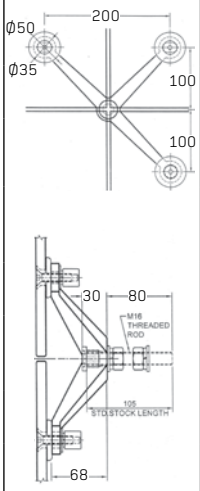
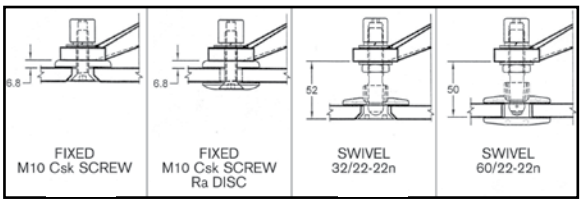
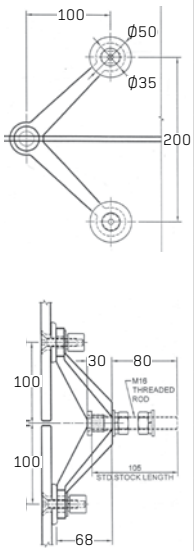
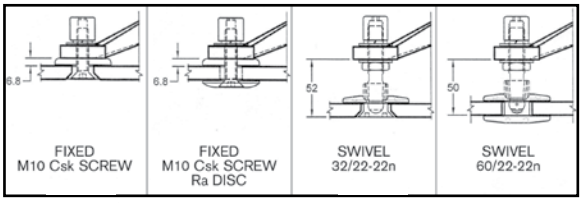
10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
446/4M SPIDER 	500201	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500202	M10 CSK SCREW WITH DISC	PSS				
	500660	SWIVEL 32/22-22n	PSS				
	500203	SWIVEL 60/22-22n	PSS				
	500204	SWIVEL 60/22-42n (IGU)	PSS				
	500205	M10 CSK SCREW	SSS				
	500206	M10 CSK SCREW WITH DISC	SSS				
	500659	SWIVEL 32/22-22n	SSS				
	500207	SWIVEL 60/22-22n	SSS				
	500208	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		GLASS FASTENERS STANDARD  3 OPTIONS **NOTE:** CSK fixing options require a thicker glass selection.			
446/2M SPIDER 	500177	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500178	M10 CSK SCREW WITH B/H*	PSS				
	500662	SWIVEL 32/22-22n	PSS				
	500179	SWIVEL 60/22-22n	PSS				
	500180	SWIVEL 60/22-42n (IGU)	PSS				
	500181	M10 CSK SCREW	SSS				
	500182	M10 CSK SCREW WITH B/H*	SSS				
	500661	SWIVEL 32/22-22n	SSS				
	500183	SWIVEL 60/22-22n	SSS				
	500184	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS *B/H = BUTTON HEAD		GLASS FASTENERS STANDARD  3 OPTIONS **NOTE:** CSK fixing options require a thicker glass selection.			

FRAMELESS GLASS CANOPIES

Spider Fittings (Heavy Duty)

10 YEAR HARDWARE WARRANTY

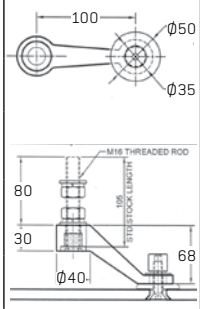
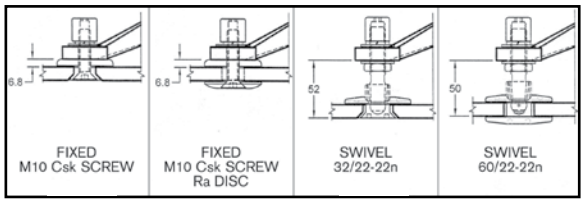
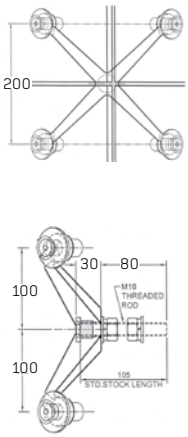
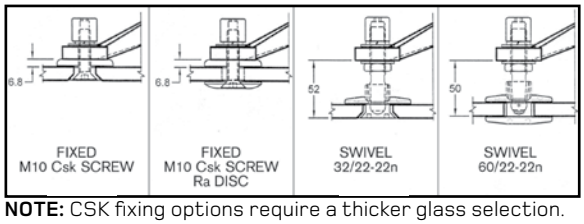
Product	Model	Sizes mm	Finish	Material	Type	Application	Area
446/4M/3 SPIDER 	500217	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500218	M10 CSK SCREW WITH DISC	PSS				
	500667	SWIVEL 32/22-22n	PSS				
	500219	SWIVEL 60/22-22n	PSS				
	500220	SWIVEL 60/22-42n (IGU)	PSS				
	500221	M10 CSK SCREW	SSS				
	500222	M10 CSK SCREW WITH DISC	SSS				
	500666	SWIVEL 32/22-22n	SSS	GLASS FASTENERS STANDARD 	3 OPTIONS		
	500223	SWIVEL 60/22-22n	SSS				
	500224	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			
446/4M/2 SPIDER 	500209	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500210	M10 CSK SCREW WITH DISC	PSS				
	500669	SWIVEL 32/22-22n	PSS				
	500211	SWIVEL 60/22-22n	PSS				
	500212	SWIVEL 60/22-42n (IGU)	PSS				
	500213	M10 CSK SCREW	SSS				
	500214	M10 CSK SCREW WITH DISC	SSS				
	500668	SWIVEL 32/22-22n	SSS	GLASS FASTENERS STANDARD 	3 OPTIONS		
	500215	SWIVEL 60/22-22n	SSS				
	500216	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			

©Metro Performance Glass. Manufactured Frameless Glass Specifiers Guide. Edition 6, Version 1/2019.

FRAMELESS GLASS CANOPIES

Spider Fittings (Heavy Duty)

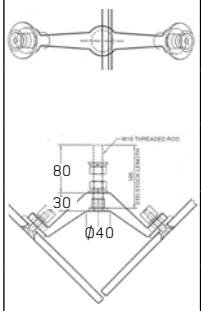
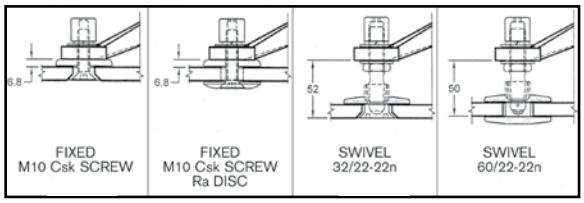
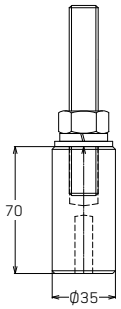
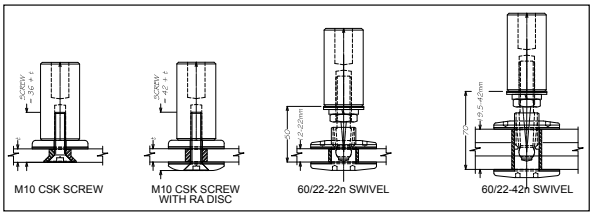
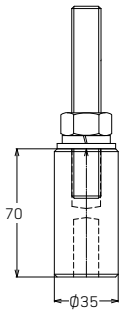
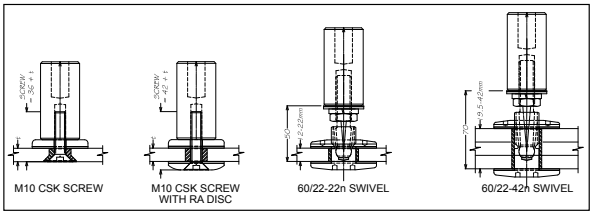
10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
446/2M/1 SPIDER 	500185	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500186	M10 CSK SCREW WITH DISC	PSS				
	500671	SWIVEL 32/22-22n	PSS				
	500187	SWIVEL 60/22-22n	PSS				
	500188	SWIVEL 60/22-42n (IGU)	PSS				
	500189	M10 CSK SCREW	SSS				
	500190	M10 CSK SCREW WITH DISC	SSS				
	500670	SWIVEL 32/22-22n	SSS	GLASS FASTENERS STANDARD		3 OPTIONS	
	500191	SWIVEL 60/22-22n	SSS				
	500192	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			
446/4M/90 SPIDER 	500225	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500226	M10 CSK SCREW WITH DISC	PSS				
	500674	SWIVEL 32/22-22n	PSS				
	500227	SWIVEL 60/22-22n	PSS				
	500228	SWIVEL 60/22-42n (IGU)	PSS				
	500229	M10 CSK SCREW	SSS				
	500230	M10 CSK SCREW WITH DISC	SSS				
	500673	SWIVEL 32/22-22n	SSS	GLASS FASTENERS STANDARD		3 OPTIONS	
	500231	SWIVEL 60/22-22n	SSS				
	500232	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			

FRAMELESS GLASS CANOPIES

Spider Fittings (Lightweight and Heavy Duty)

10 YEAR HARDWARE WARRANTY

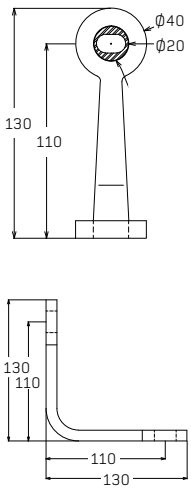
Product	Model	Sizes mm	Finish	Material	Type	Application	Area
446/2M/90 SPIDER 	500193	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	HEAVY DUTY SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500194	M10 CSK SCREW WITH DISC	PSS				
	500676	SWIVEL 32/22-22n	PSS				
	500195	SWIVEL 60/22-22n	PSS				
	500196	SWIVEL 60/22-42n (IGU)	PSS				
	500197	M10 CSK SCREW	SSS				
	500198	M10 CSK SCREW WITH DISC	SSS				
	500675	SWIVEL 32/22-22n	SSS	GLASS FASTENERS STANDARD 		3 OPTIONS	
	500199	SWIVEL 60/22-22n	SSS				
	500200	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			
447/M16 /M10 STAND OFF SPIDER 	500677	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	STAND OFF SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500678	M10 CSK SCREW WITH DISC	PSS				
	500233	M10 CSK SCREW	SSS	TYPICAL FIXING OPTIONS 			
	500234	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			
447/M16 /M14 STAND OFF SPIDER 	500679	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	STAND OFF SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500680	M10 CSK SCREW WITH DISC	PSS				
	500235	M10 CSK SCREW	SSS	TYPICAL FIXING OPTIONS 			
	500236	M10 CSK SCREW WITH DISC	SSS				
		SPECIFY THICKNESS		**NOTE:** CSK fixing options require a thicker glass selection.			

©Metro Performance Glass. Manufactured Frameless Glass Specifiers Guide. Edition 6, Version 1/2019.

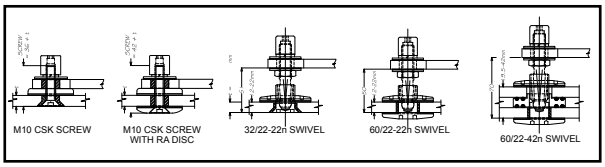
FRAMELESS GLASS CANOPIES

Spider Fittings (Lightweight and Heavy Duty)

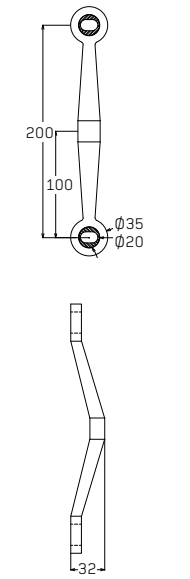
10 YEAR HARDWARE WARRANTY

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
448/2/90 SPECIAL SPIDER 	500682	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	SPECIAL SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500684	M10 CSK SCREW WITH DISC	PSS				
	500690	SWIVEL 32/22-22n	PSS				
	500686	SWIVEL 60/22-22n	PSS				
	500688	SWIVEL 60/22-42n (IGU)	PSS				
	500681	M10 CSK SCREW	SSS				
	500683	M10 CSK SCREW WITH DISC	SSS				
	500689	SWIVEL 32/22-22n	SSS				
	500685	SWIVEL 60/22-22n	SSS				
	500687	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS					

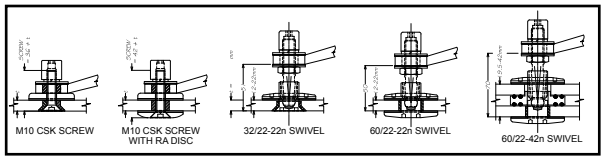
TYPICAL FIXING OPTIONS



NOTE: CSK fixing options require a thicker glass selection.

Product	Model	Sizes mm	Finish	Material	Type	Application	Area
448/2 SPECIAL SPIDER 	500691	M10 CSK SCREW	PSS	316 STAINLESS STEEL	SPIDER	SPECIAL SPIDER	Frameless Standoff Assemblies Commercial & Residential
	500692	M10 CSK SCREW WITH DISC	PSS				
	500696	SWIVEL 32/22-22n	PSS				
	500693	SWIVEL 60/22-22n	PSS				
	500694	SWIVEL 60/22-42n (IGU)	PSS				
	500239	M10 CSK SCREW	SSS				
	500240	M10 CSK SCREW WITH DISC	SSS				
	500695	SWIVEL 32/22-22n	SSS				
	500237	SWIVEL 60/22-22n	SSS				
	500238	SWIVEL 60/22-42n (IGU)	SSS				
		SPECIFY THICKNESS					

TYPICAL FIXING OPTIONS



NOTE: CSK fixing options require a thicker glass selection.