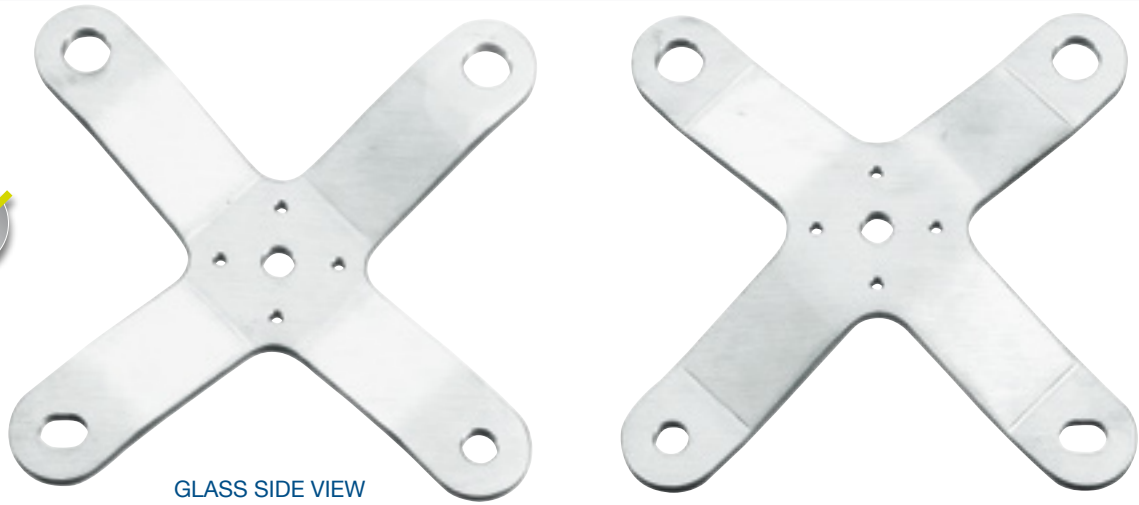


S 3003

Designation : laser cut spider

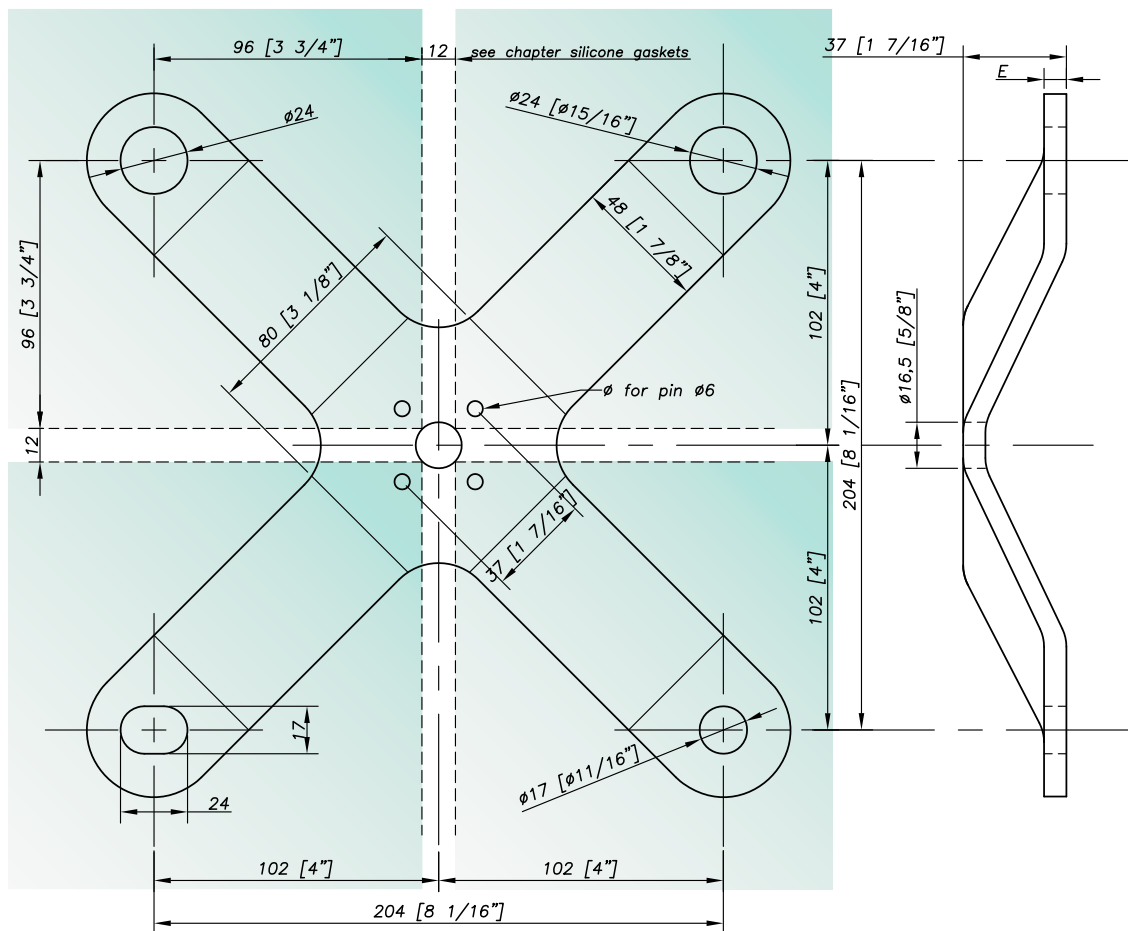


Material : AISI 316L - Surface finish : dull polished GR220
Material : E36 / Epoxy painting, polished zinc undercoat

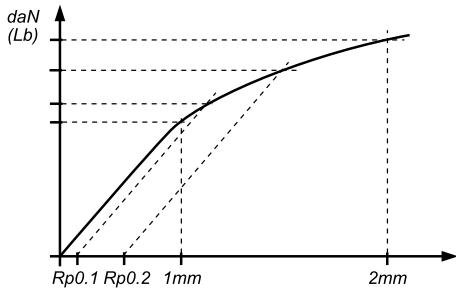
Thickness : E = 8mm, 10mm, 12mm, 15mm

Dimensions

GLASS SIDE VIEW



Mechanical performances



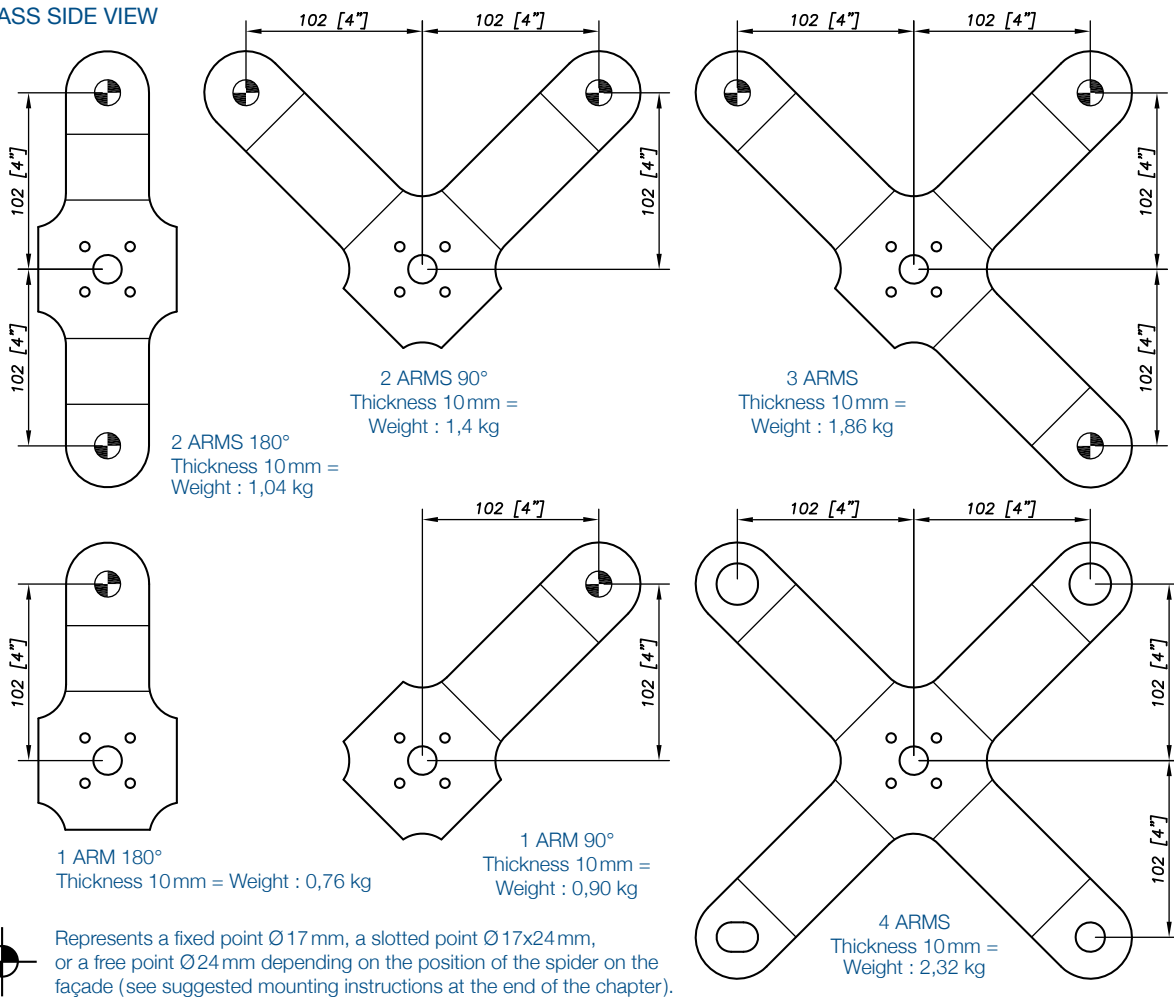
LOAD PARALLEL TO GLASS PER ARM	
1 mm (SLS*)	1077 daN (2421 lb)
2 mm	-
Rp0,1 (ULS**)	820 daN (1843 lb)
Rp0,2	-

LOAD PERPENDICULAR TO GLASS PER ARM	
1 mm (SLS*)	85 daN (191 lb)
2 mm	-
Rp0,1 (ULS**)	136 daN (305 lb)
Rp0,2	-

*SLS : Serviceability Limit State - load at 1 mm deformation **ULS - Ultimate Limit State : load at the elastic limit (Rp0.1). Values are given without factor of safety - Tests available online : www.sadev.com

Configuration

GLASS SIDE VIEW



Suggested mounting instruction

The drilling diameter for the pins is 6 mm. Do not drill the holes for the pins in your structure before mounting the spiders. To fix the spider on your structure the "Omega" (see accessories) is highly recommended to adjust the spider's position. The fixing of the spider is done with a M16 or a M12 bolt (out of Sadev supply).

This bolt shall not be fitted into a vertical slotted holes due to the risk of slipping (under the weight), the pins are not designed to hold any permanent loads (cf. specification sheet). The spider has to be positioned on a flat support. The slotted holes Ø17x24mm and free holes Ø24mm in the spider are not to be used to adjust the spider! They are needed to absorb the manufacturing tolerances and the thermal deformation of the glass and of the structure. The spiders are standardized for M14 fittings (FXR, FXV) ; other diameters are available on request.

SADEV recommends using thread locking compound, except in case of specific mounting constraints.