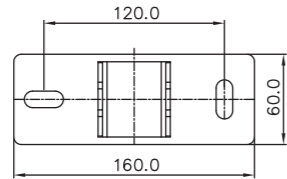


Components list for G-A

Mechanical Parameters for G-A



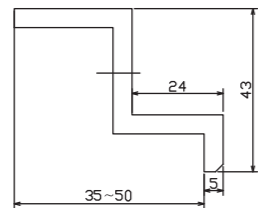
373-70205-00 Front Junction A



- Material: hot dip galvanized steel Q235B



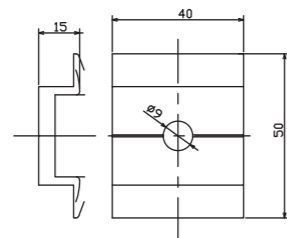
End Clamp 30mm-50mm



- Material: hot dip galvanized steel Q235B
- Fixing modules, suitable for modules of thickness ranging from 35mm to 50mm



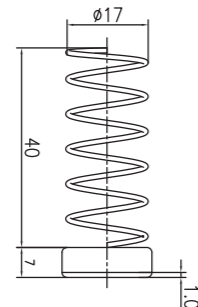
318-73003-00 Middle Clamp - A01



- Material: AL6063-T6
- Fixing modules, suitable for modules of which thickness ranges from 35mm to 50mm



412-06020-00 Spring Nuts



- Material: hot dip galvanized steel Q235B

I 、 Load Parameters

The intensity, stiffness and stability have direct relation with the cross section and modules' stress has direct connection with deformation and span. The table below is the result of loading capacity according to GB50009-2001 (building code) parameters.

1、Spanning from 2000mm to 2400mm load parameters:

Parameter Section	Wind Load(kN/㎡)	Wind Speed(m/s)	Snow Load(kN/㎡)	Installation Angle
C type steel 41x41x2	0.8	30	0.8	fixed
C type steel 41x62x2	1.2	35	1.0	fixed

2、Spanning from 2400mm to 3000mm load parameters:

Parameter Section	Wind Load(kN/㎡)	Wind Speed(m/s)	Snow Load(kN/㎡)	Installation Angle
C type steel 41x62x2	0.8	30	0.8	fixed
C type steel 41x82x2	1.2	35	1.0	fixed

Notes: The data above are applied for rail parts of mounting system. Others are required to be calculated based on specific situation by engineers.

II 、 Foundation Parameter

The foundation bears the whole load passed from the mounting system, including pressure, shearing and bending moments (once fixed). Therefore, size of cement foundation should meet these demands, which requires basic depth is no less than 1m and size of cross side is no less than 300*300mm. According to the cross side shape, configuration should be at least four $\phi 10$ reinforcing bars which are at least above level two. Stirrups are $\phi 6$ with level one reinforcing bars, which span is less than 300mm. Concrete level is less than C20 and the thickness of rebar protection layer is no less than 30mm.

III 、 Tightening Torque for Screws

The Screw material is SUS304 or hot dip galvanized steel in all our mounting system. Data of tightening torque can be referred to the table below:

Specification	M8	M10	M12	M14
Locking Torque (Nm)	12~15	15~20	20~30	30~40