STEELMAX

JULY 2019

LIGHTWEIGHT CEILING(4MM DIA. WIRE ROD SUSPENSION)

WITH 9MM/12MM CEILING BOARD

METHOD OF STATEMENT

ABOUT STEELMAX LIGHTWEIGHT CEILING

SteelMax Lightweight Ceiling System where the runners and channels form a rigid structural support for Gypsum board, Drop ceiling assemblies or Plasterboard. This cost saving ceiling system provides a structurally sound, uniformly level, benchmark framework for flush ceiling boards. All SteelMax Lightweight ceiling profiles are manufactured to BS 5950

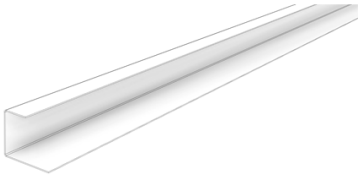
APPLICATION

SteelMax Lightweight ceiling system is suitable for use at domestic and commercial areas, particularly at areas where evenness and high-quality finish of ceiling appearance is required. It is ideally suited to where services are accommodated.

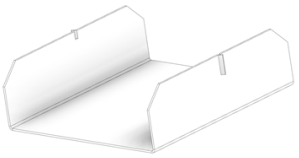
COMPONENTS

Main runners of 3000mm section**(SLM3000)**;
18mm x 25mm x 0.6mm

Secondary channels of 3000mm section**(SLC3000)**;
48mm x 17mm x 0.32mm



Perimeter of 3000mm section**(SLP3000)**;
25mm x 20mm x 12mm x 0.5mm



Secondary Channel Splice**(SLC-1)**
47mm x 16mm x 0.5mm

4mm Diameter Wire Rod

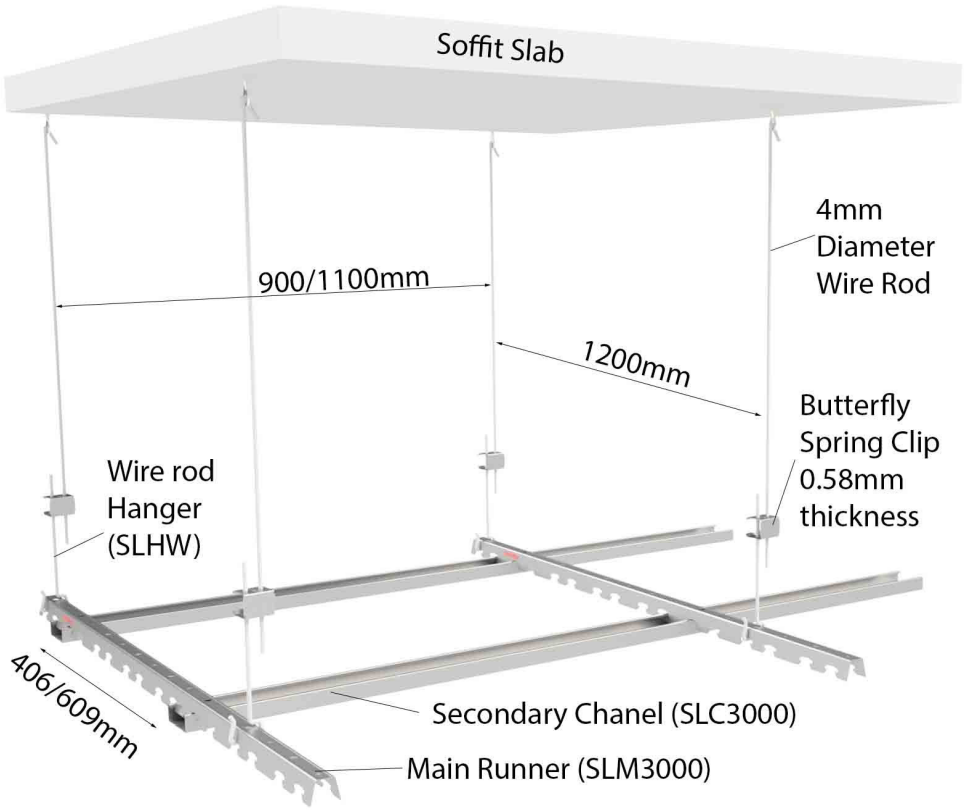
6mm diameter Eye Anchor (SLTA6)

Wire Rod Hanger (SLHW)

Butterfly Spring Clip 0.58mm

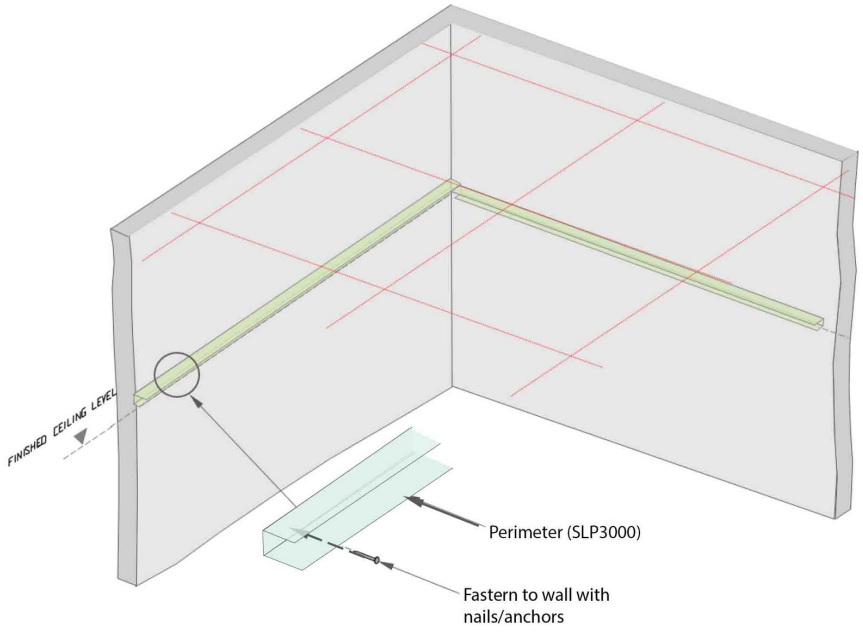
INSTALLATION

- Firstly, determine the ceiling configuration required

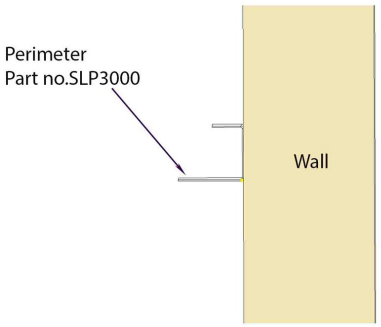


FIXING OF PERIMETER (SLTP16) TO WALL

Installation work can begin when the building is closed in. Wet works such as concrete and plaster should be dry. Installation of E&M services above ceiling level should be properly coordinated to avoid unnecessary disruption in work to perform.

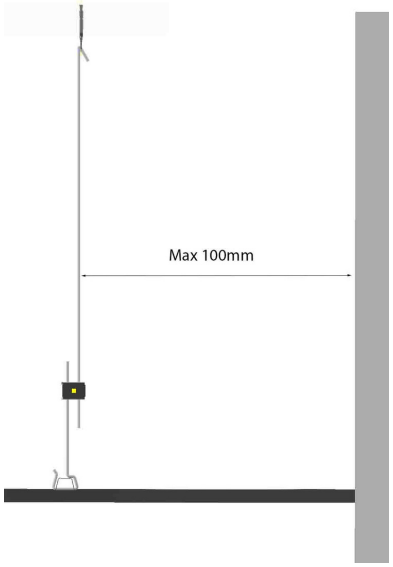


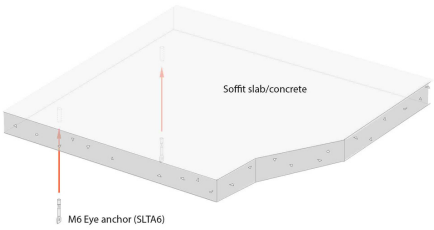
Set ceiling level, fix perimeter(SLP3000) along the walls with 90° to the direction of Main Runner (SLM3000)

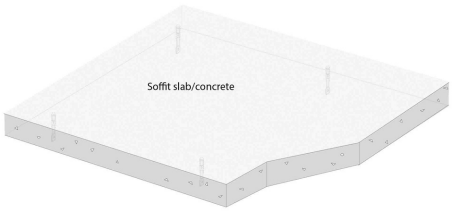


INSTALLING SUSPENSION POINTS

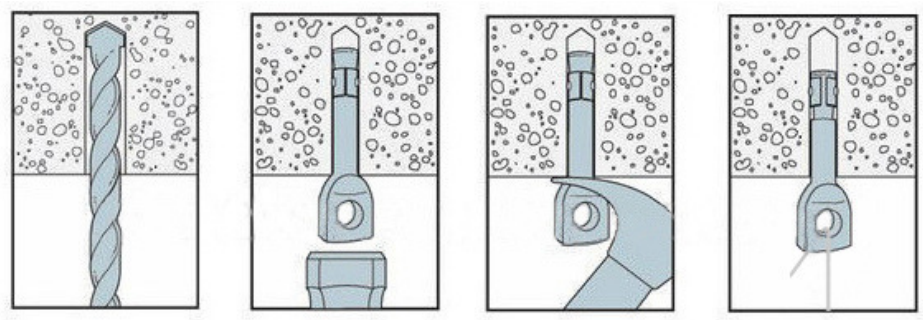
Identify the actual location of suspended point on site, mark the position for drilling, the position should no more than 100mm away from the perimeter wall, drilling at least 40mm depth.



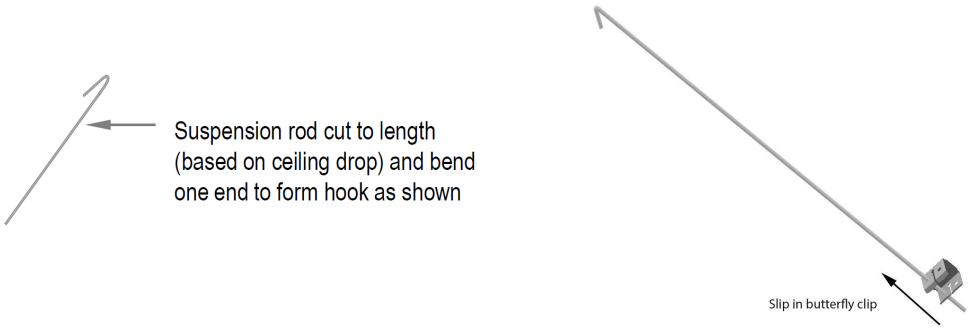




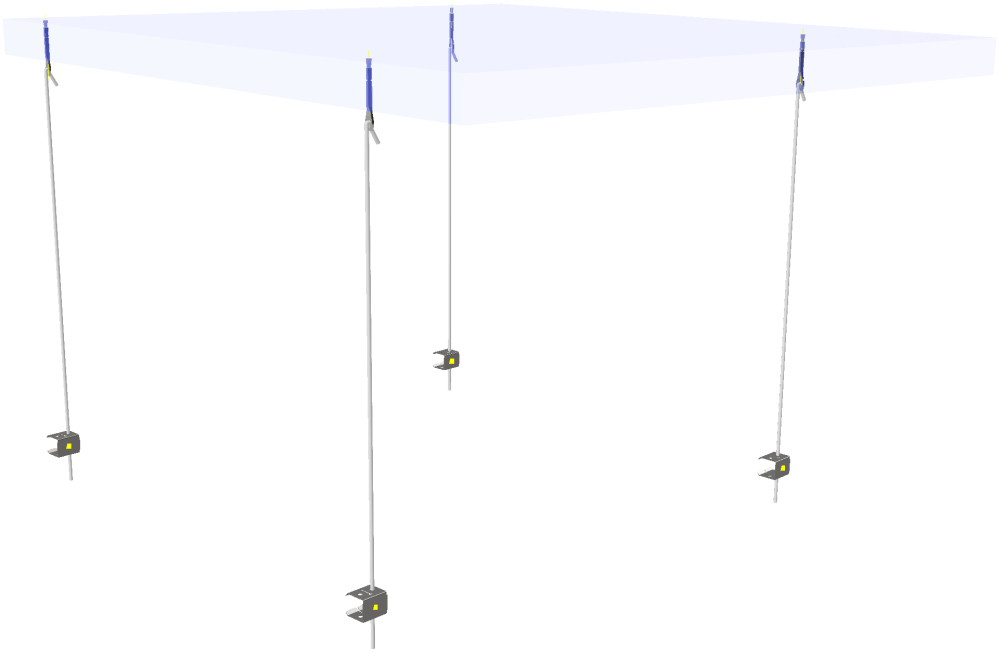
Insert Eye Anchor (SLTA6) into hole and tap the anchor lightly with a hammer and then pull out anchor to engage locking mechanism



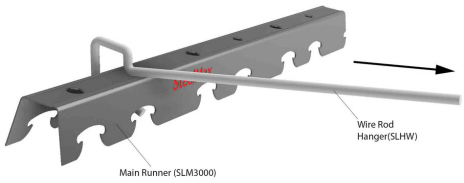
PREPARING & INSTALLING SUSPENSION RODS



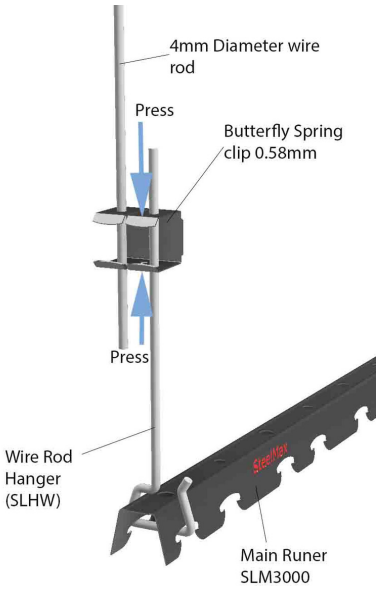
Press Butterfly spring clip 0.58mm with thumb and index finger and slip in the suspension rod through the 2 holes for top suspension. Then, release spring clip which will grip on to the rod.



FIXING MAIN RUNNER SLM3000

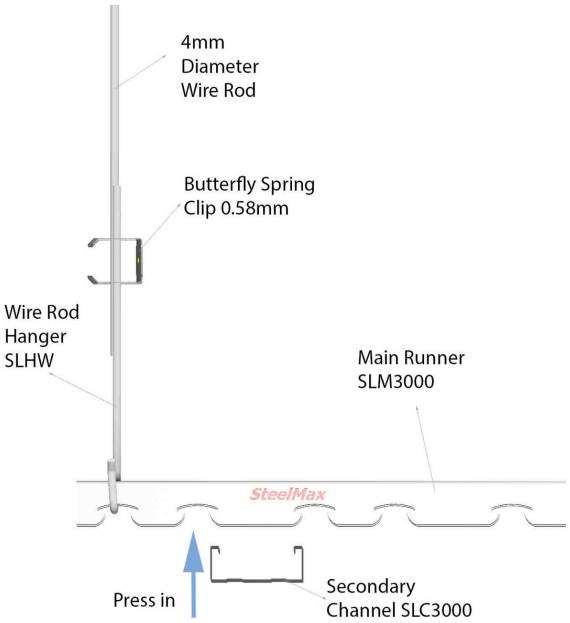


Slip in Wire Rod Hanger(SLWH) into Main Runner (SLM3000) then upright the position for vertical support.



Press Butterfly spring clip 0.58mm with thumb and index finger and slip in wire rod hanger(SLHW) through the 2 holes. Then, release spring clip which will grip on to the rod.

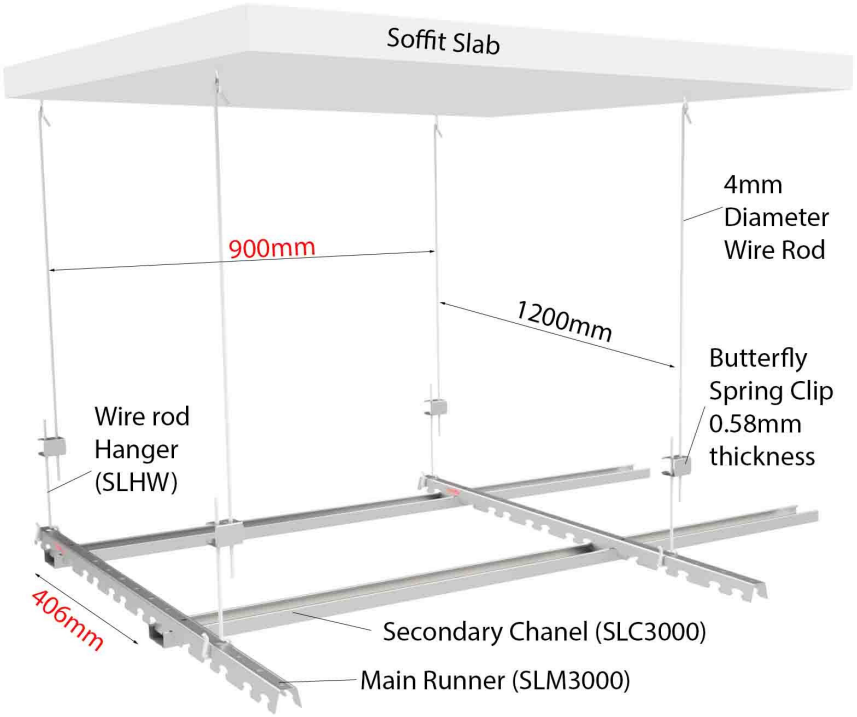
FIXING SECONDARY SECTION



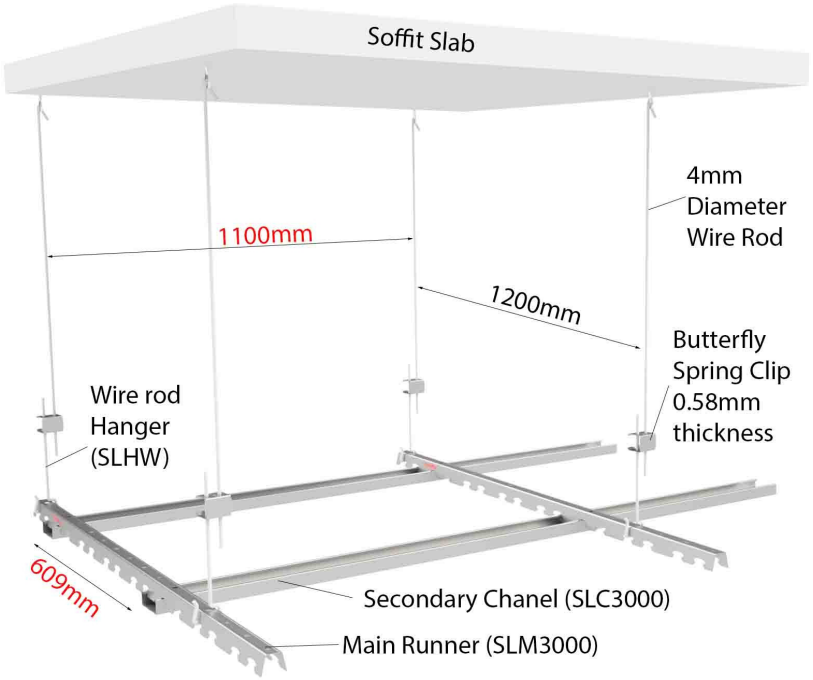
The Secondary channel should be fixed in direction perpendicular to Main runner (SLM3000) by “click on” to the pre-fabricated “Hooks” along the main runner. No other tools or components require at fixing.

The Secondary channel should be fixed in nominal spacing 406mm apart for 9mm Gypsum board or 609mm for 12mm Gypsum board.

SECONDARY(SLC3000) 406MM SPACING FOR 9MM BOARD



SECONDARY(SLC3000) 609MM SPACING FOR 12MM BOARD



FIXING CEILING BOARD

The ceiling board is fixed with No. 4 x 25mm drywall screws(figure 8) at nominal 200mm spacing on center along each secondary channel. The screw heads should be finished 2mm into the surface of ceiling board. Gap is to treat with reinforcing tape and jointing compound to provide seamless smooth surface finishing.