

INFRASTRUCTURE TENSILE MESH BARRIER//

INFRASTRUCTURE TENSILE MESH BARRIER// RAIL SAFETY SCREEN// AS5100 Ø25mm RAIL SAFETY SCREEN COMPLIANCE

- a. Jakob Webnet Mesh (20261-0150-025) with a 25mm (x45mm) aperture// and;
 - I. Ø1.5mm gauge 6x7 Wire Rope Cable (WRC); 1.4kN Minimum Breaking Load
 - II. Swaged sleeves; with 2kN transversal MBL, 0.1kN Longitudinal MBL
 - III. preventing passage of objects greater than Ø19mm; compliant with AS5100.1 c16.4(c-ii)
 - IV. providing 83.8% free open area
- b. Lacing wire rope to fix Webnet Mesh to perimeter support; nominally a Jakob Ø 1.5mm gauge (6x7 WRC); 1.4kN MBL
- c. Perimeter Support a Jakob (10820-0600) Ø6mm gauge (6x7 WRC - 19kN MBL)// with associated Jakob turnbuckles (30870-0600) and forks (30881-0600) to provide a complete tensioned system; supported and fixed to structure via//
- d. M8 Jakob Eyebolts (30838-0800)// at 500mm centres maximum; fixed via//
 - I. Hilti HIT-HY 270 chemical anchors to concrete or
 - II. mechanically fixed to steel (hot rolled)
- e. Incompatible metals isolated as required.
- f. Pre-tension, dead and live loads engineered, installed and certified as part of a system compliant with TfNSW, and to AS5100.2 c12.5
- g. Designed, installed and certified to manufacturer's specifications.
- h. All made from AISI grade 316 Stainless Steel and finish; with and manufacturer's documentation of//
 - I. Minimum Breaking Load / Strength capacity, Quality Assurance, and Material Traceability
 - II. Manufactured from 90-100% renewable energy
 - III. With a minimum of 70% recycled content
 - IV. ISO9001 & 14001 working conditions