

ASF SECUREMAX® 358 HD

High Security Mesh



Design

An extremely rigid anti-climb, anti-cut mesh with a heavier line wire (vertical wire) designed to increase the ultimate defence against attack. Securemax® 358 HD still provides the highly transparent finish of the fence line with minimal visual impact allowing clear camera surveillance. HD provides even greater performance against attack by increasing the vertical line wire diameter to 5.0mm (double the size of standard 358 mesh). Securemax® 358 HD also offers double shear load, effort and time required to penetrate the vertical wires, whilst only increasing the product weight and cost by approximately ten percent.

Performance & Durability

Unique tensile properties make Securemax® 358 HD several times harder to penetrate than other high security fences. HD is manufactured with the same properties as Securemax® 358, but in addition, the line wire diameter has been increased to 5.6mm, replacing the standard 4mm wire. This improvement results in the HD product outperforming other 358 meshes in weld strength and shear attack. HD yields a longer life expectancy, with only minor increases to the overall cost and weight of...

Finishes

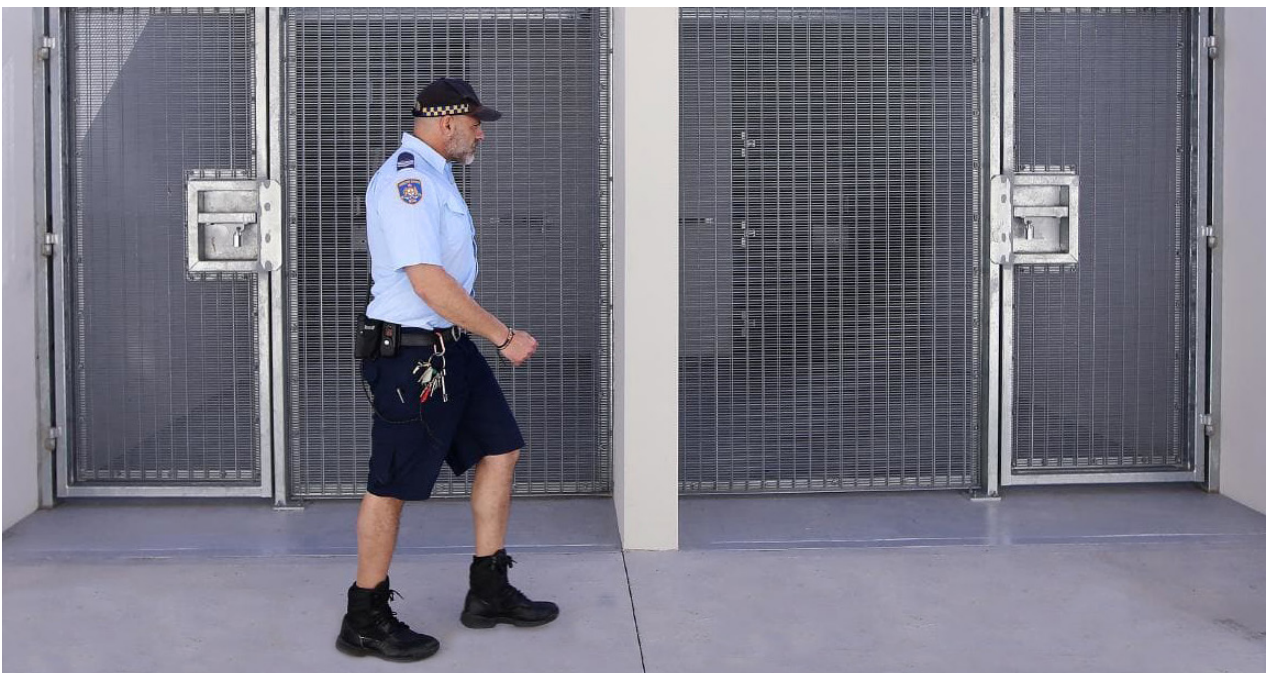
Zinc / Alloy is a high anti-corrosive surface finish applied to a 4mm & 5.6mm high tensile wire. In external atmospheric conditions, a zinc / 5% aluminium coating offers from two to four times greater protection per unit coating mass than hot dipped galvanised zinc coatings to suit your...

Additional Edge Wires

Additional edge wires to each side of the mesh sheet creates greater security. Securemax® 358 HD includes additional wires to the centre of the panel, providing improved rigidity and strength.

Quality & Testing

Securemax® 358 HD mesh is manufactured using high quality materials and coatings to specific standards, furthermore, the HD mesh is manufactured to the ASF Quality Plan which includes stringent quality control during the manufacturing process. Securemax® 358 HD is guaranteed to meet specific standards for raw materials, coatings and manufacture. The weld manufacturing process has a Quality Plan utilising stringent quality control.



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Appropriate Standards

Securemax® 358 HD 4mm & 5.6mm wire is procured to AS/NZS 4534-2006. The manufacturing standard within the ASF Quality Plan is EN 10223.4-2012 for high security applications and AS 2423-2006 for general mesh use.

Specifications

75mm x 13mm resistance welded at each intersection

Resistance welded to DIN EN 10223-4 (1998)

Horizontal wires 4mm diameter at 13mm centres

Vertical wires 5.6mm diameter at 75mm centres

2 x vertical edge wires at 37.5mm per panel

Aperture tolerance + 0.5mm

Std sheet size 2404mm wide x up to 4500mm high

Tolerance: Width + 2.00mm Length + 2.00mm

Recommended Fixings

Recommended fastenings for Securemax® 358 HD mesh to 'H' and angle sections via M8 cup head bolt, Securemax® washer with hexagon nut and / or shear nuts. Other fastening methods are via a security self-drilling fastener to hollow sections.

Horizontal wires 4mm drawn wire

Vertical wires 5.6mm drawn wire

Tolerance + 0.08mm

Tensile strength 550-750MPa

Average tensile strength 680MPa

Welded shear strength of min 80% of the wire strength

Coating: Zinc Alloy Minimum 290gms Sqm

The specifications and descriptions of products and services contained in this data sheet were correct at the time of publishing. ASF reserves the right to change specifications or withdraw products without notice.