



## Technical document

### MINERVA fencing system

The units are made up of:

No. 1 fencing panel

No. 1 post

No. 2 bolts

- The electrowelded wire mesh fence MINERVA is characterized by 1" x  $\frac{5}{64}$ " (25x2mm) vertical flat bars at 1  $\frac{3}{4}$ " (43mm) centre to centre. The connections are  $\varnothing^{11/64}$ " (4,5mm) round bars with 11  $\frac{11}{16}$ " (44mm) distance pitch. The horizontal profiles are 1" x  $\frac{9}{64}$ " (25x3,5mm) embossed flat bars bent at the end to create a support to fix the posts (length of the bent profile with  $\frac{1}{2}$ " x  $\frac{15}{16}$ " (12x24mm) slot: 2  $\frac{3}{8}$ " (60mm) long). The support profiles are welded to the vertical profiles through electrofusion.
- The posts are 2  $\frac{3}{8}$ " (60mm) flat bars,  $\frac{9}{32}$ " (7mm) thick, with holes to fix the panels.
- In order to fix the panels to the posts, AISI 304 stainless steel nuts and bolts with M10 shear nuts and button head screw with M10x1" (M10x25mm) square neck are included.

The panels and the posts are S 235 JR steel (according to UNI EN 10025).

The coating is applied through hot-dip galvanizing process (UNI EN ISO 1461).

*On request the coating of the units is applied using thermosetting polyester powder on hot-dip galvanized material.*

#### Standard dimensions inches (in mm):

Unit width	Panel width	Panel height	Post height	Panel weight	Post weight
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	36 $\frac{5}{8}$ " (930mm)	47 $\frac{1}{4}$ " (1200mm)	2,8 lb/ft <sup>2</sup> (13,6 kg/mq)	9,3 lb/each (4,2 kg/cad)
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	47" (1195mm)	57 $\frac{11}{16}$ " (1465mm)	2,7 lb/ft <sup>2</sup> (13,2 kg/mq)	11,2 lb/each (5,1 kg/cad)
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	52" (1320mm)	65 " (1650mm)	2,7 lb/ft <sup>2</sup> (13,1 kg/mq)	12,8 lb/each (5,8 kg/cad)
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	57 $\frac{1}{2}$ " (1460mm)	70 $\frac{1}{2}$ " (1790mm)	2,7 lb/ft <sup>2</sup> (13,0 kg/mq)	13,9 lb/each (6,3 kg/cad)
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	67 $\frac{3}{4}$ " (1720mm)	82 $\frac{1}{16}$ " (2085mm)	2,6 lb/ft <sup>2</sup> (12,9 kg/mq)	16,1 lb/each (7,3 kg/cad)
78 $\frac{3}{4}$ " (2000mm)	78 $\frac{7}{16}$ " (1992mm)	78 $\frac{1}{8}$ " (1985mm)	92 $\frac{1}{2}$ " (2350mm)	2,6 lb/ft <sup>2</sup> (12,8 kg/mq)	18,1 lb/each (8,2 kg/cad)