



Technical document

ATHENA 2 fencing system

The units are made up of:

- No. 1 top fencing panel – $77 \frac{15}{16}$ " (1980mm) wide, $20 \frac{1}{8}$ " (511mm) high
- No. 1 central fencing panel – $77 \frac{15}{16}$ " (1980mm) wide, $25 \frac{1}{16}$ " (637mm) high
- No. 1 lower fencing panel – $77 \frac{15}{16}$ " (1980mm) wide, $59 \frac{5}{8}$ " (1515mm) high
- No. 1 post
- No. 7 bolts

- The electrowelded wire mesh fence ATHENA 2 is made up of 3 panels. The lower panel is characterized by $1" \times \frac{1}{8}"$ (25x3mm) horizontal flat bars at 5" (126mm) centre to centre. The connections are characterized by $\varnothing \frac{11}{64}"$ (4,5mm) round bars with $2 \frac{5}{8}"$ (66mm) distance pitch. The central and the top panels are $1" \times \frac{1}{8}"$ (25x3mm) horizontal flat bars at 5" (126mm) centre to centre. The connections are by $\varnothing \frac{11}{64}"$ (4,5mm) round bars with $5 \frac{3}{16}"$ (132mm) distance pitch. The vertical profiles are $1" \times \frac{1}{8}"$ (25x3mm) flat bars with holes to fix the posts. The top and the central panels are reinforced with a $2 \frac{3}{8}" \times \frac{5}{32}"$ (60x4mm) flat bar in the upper part.
ATHENA 2 is compliant with UNI 10121 - Separation for football stadiums.
- The posts are 100 I-beam with a $106 \frac{5}{16}"$ (2700mm) long vertical part and a $22 \frac{1}{16}"$ (561mm) long upper part which is inclined at 45 degrees. The posts are equipped with holes and slots to fix the panels.
- In order to fix the panels to the posts, AISI 304 stainless steel nuts and bolts with M10 shear nut 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 performed by hot-dip galvanizing process (UNI EN ISO 1461).

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

Standard dimensions inches (in mm):

Unit width	Panel width	Panel height	Post height	Unit weight
$78 \frac{1}{8}"$ (1985mm)	$77 \frac{15}{16}"$ (1980mm)	$59 \frac{5}{8}" + 25 \frac{1}{16}" + 20 \frac{1}{8}"$ (1515+637+511mm)	$106 \frac{5}{16}" + 22 \frac{1}{16}"$ (2700+561mm)	2,8 lb/ft ² (13,7 kg/mq)