

## **TWINBAR Fencing System Specification Sheet**

### **MR-MANUFACTURER**

Metalco® offers technical assistance to Architects, Engineers, Contractors, Owners and Facility Managers regarding the design and installation of our products. We have provided many custom solutions for unusual situations. Let our experienced engineers assist you in determining the optimum design for your project. Please contact Atlantis Products, Inc. at **1-630-971-9680** to obtain our services. You also can contact us by e-mail at [info@fence-system.com](mailto:info@fence-system.com) or visit our Website at [www.fence-system.com](http://www.fence-system.com) for additional information.

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### **PP-PRODUCT PRESENTATION**

Electro-forged welded steel fencing that is galvanized and powder polyester coated. The panels are made of an electro-forged wire mesh. The vertical rods are placed between (sandwiched) two horizontal rods. The rods are electro-forged welded at each crossing. The standard panel length is 8'-2 13/16" (2510mm). The **TWINBAR** panels are available in different mesh sizes and different material strengths. The panels are prefabricated for heights from 2' up to 8'. Heights of more than 8' are accomplished by combining panels with a different or equal height. Special panels for corners with different angles are available on request. The posts are made of square tubular steel of different sizes depending on the required overall height. The panels are mounted onto the front of the posts with pre-assembled mounting brackets or with a pre-assembled lock bar. All post-panel connections are utilizing a patented nylon setting to reduce rattling noise caused by wind, vibrations or other sources. The mesh size is designed according to code. A sphere of 4" cannot pass through the openings.

### **TWINBAR Types Available:**

#### **"TWINBAR Standard"**

Mesh Size: 2" x 8" (50x200mm) on center  
Vertical Rods: 1/4" Dia. = 4 GA. (6mm),  
2 Horizontal Rods: 1/4" Dia. = 4 GA. (6mm)  
Panel Width: 8'-2 13/16" (2510mm)  
Post Spacing: 8'-6" (2590mm)

### **Fence Types and Height Available**

<b><u>Panel Height</u></b>	<b><u>Mesh Size available</u></b>	<b><u>Post Type</u></b>
2'-0" (630)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
2'-8" (830)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
3'-3" (1030)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
4'-0" (1230)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
4'-8" (1430)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
5'-3" (1630)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
6'-0" (1830)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
6'-8" (2030)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
7'-3" (2230)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40)
8'-0" (2430)	2" x 8" (50x200)	2 3/8" x 1-5/8" (60x40) or 3" x 1-5/8" (80x40)

**Fence heights with combined panels:**

9'-9" (3000)	2" x 8" (50x200)	3" x 1-5/8" (80x40)
13'-1" (4000)	2" x 8" (50x200)	3" x 1-5/8" (80x40)
16'-4" (5000)	2" x 8" (50x200)	4" x 1-5/8" (100/40)
19'-7" (6000)	2" x 8" (50x200)	4" x 1-5/8" (100/40)

**AI-ASSEMBLY, INSTALLATION**

Fence posts are of sufficient length to allow for setting into concrete footers. Posts with flanges (base plate) are also available. The fence post spacing is 8'-6" (2590mm) apart on center. However, drawing will call out special spacing when required or to adjust for end pieces. In-ground posts may be set in concrete into 12" Diameter (303mm) for terminal posts and 10" Diameter (254mm) for intermediate posts. Concrete should be 6" (152mm) deeper than posts. Deeper and wider settings may be necessary in some locations. It is recommended that the fence be temporarily erected using 2 x 4 supports. After the fence is plumb and level, pour concrete grouting into holes.

The panels are mounted onto the front of the posts with pre-assembled mounting brackets or with a pre-assembled lock bar. The panels simply snap into the bracket or lock bar. The brackets or lock bar bolts shall be tightened with ratchet and hex sockets or with a power tool and hex sockets. Corner can be made in the field by simply cutting the horizontal rod with a bolt cutter on one side of the panel. This allows the panel to be bent to any angle required.

Installation of this fencing system is extremely quick and easy yet durable and sturdy.

Posts can be attached to the structure below in several ways:

Using the recessed method, posts are set into cored holes or sleeves and anchored with non-shrink grout.

Using the surface mount method, mounting plates are attached to each post and bolted to the structure below utilizing expansion bolts or other fastening systems.

Using the face mount method, the railing posts are mounted to the face of the structure typically below the level of the walking surface.

**MF-MATERIALS, FINISHES**

**Thermosetting Polyester Powder Finish**

Metalco<sup>®</sup> Fence and Railing Panels are protected by what we believe is the best finish available today. The computer controlled hot-dip galvanizing and the thermosetting polyester powder finish gives the Metalco<sup>®</sup> System the highest possible protection against rust and corrosion.

The advanced polyester powder coating technology is environmentally friendly (no solvents, lead free) and offers a large color selection.

**Colors**

8 Standard Colors are available: White, Black, Blue, Green, Red, Yellow, Gray and Brown. Additionally we offer an almost unlimited selection of custom colors. The polyester powder coating is available for all our products.

**15-Year Warranty**

Metalco<sup>®</sup> certifies that its Fencing Systems are free from defects in material and workmanship. The polyester-coated galvanized metal is guaranteed not to crack, peel or blister for a period of 10 years. Accidental damages, defects resulting from improper installation and damage from vandalism or abuse are not included. Warranty is limited to a prorated value of the coating, not to exceed the original value of the coating.