

metalco[®]

FENCING & RAILING SYSTEMS

02825/AME
BuyLine 1321

Ω
OMEGA[®]
OMEGA FENCE SYSTEMS



Break The Chain Link Habit



With A Fence System From Metalco

TWINBAR[™] Fencing System

A lot for a little.



Compared to chain link, our TwinBar fencing system provides an alternative that's more stylish, easier to install, lasts longer and doesn't rattle.

For a catalog of our railing and fencing systems, please call us at **1-800-708-2526**, or fax us at **630-627-7912**.



Metalco 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 finish give the Metalco 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. Metalco product specifications may change at any time without notice due to ongoing improvements.

TWINBAR™ Fencing System



Before & After



Limited Warranty

At Metalco, we certify that our products are free from defects in material and workmanship. The galvanized and polyester coated finish are guaranteed not to rust, peel or crack for 10 years. Accidental damage, defects resulting from improper installation and damage from vandalism are not covered.

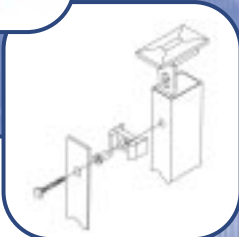
Fence Installation

Arbitrary Post Spacing Is Possible For Fast, Easy Installation.

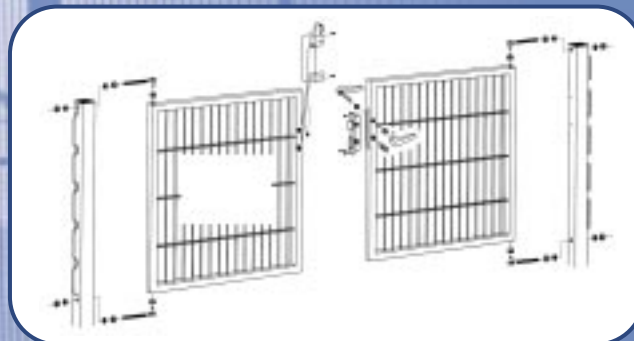
Precision spacing between posts is not required, so contractors can be more efficient when putting in the TWINBAR or the OMEGA mesh-panel.



Unique TWINBAR™ panel for extreme rigidity



Standard Post System



Double Swing Gate Assembly

TWINBAR™ Fencing System

Three Easy Ways To Make Corners



1) Use corner post for 90° angle.



2) Cut and bend to any angle.



3) Corner connectors, any angle.



Swing Gates

Our gate hinges have many options for easy installation in the field.



Cantilever Slide Gate with Internal Rollers

Featuring smooth operation and low maintenance quality which is tested for highest reliability.



GRIGLIATO Fencing System

Versatility Unequaled.

With versatility equal to its beauty, you can specify Grigliato with complete confidence. For everything from NFL stadiums to unobtrusive dumpsters.



TN Titans
NFL Stadium



See our railing section in Sweet's **05720/AME** or our website at www.metalco.tv for more information.

OMEGA Fencing System

Architectural Flair For The Architect's Touch.



With an Omega fencing system,
you get an innovative design
that's compatible with many
landscaping approaches.
Secure and unclimbable.
Beautiful and unobtrusive.

OMEGA Fencing System

Outstanding Without Standing Out.



The real beauty of this fencing system is its subtle translucence that doesn't call attention to itself, but rather compliment's the design integrity of your overall scheme.



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OMEGA Profile Post

Installation is a snap.



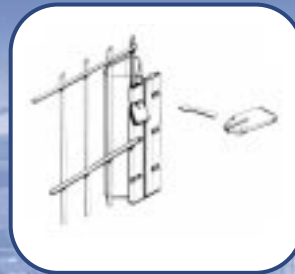
1. Set post on to weighted, support base.



2. Attach one side of mesh panel to post with interlocking snaps.



3. Position next post onto base, so post is adjacent to other side of panel. Then, attach the interlocking snaps.



4. Close-up view of interlocking snap that facilitates set up and take down.

Application is up to your imagination, construction, crowd control and Interior Partition.

Temporary Fence System

A Temporary Solution, A Contemporary Design.

We can meet all your transitional and impermanent fencing requirements. This includes retail applications, in which seasonal merchandise needs to be set apart.

- OMEGA Panel Style
- 3 Part System: Base, Panel and Bracket/Connector
- Fast Installation
- Secure & Maintenance Free



Specifications

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 Metalco at 1-800-708-2526 to obtain our services. You also can contact us by e mail at info@metalco.tv or visit our Web site at www.metalco.tv for additional information.

Increasingly popular with architects and designers, METALCO fence systems boast a simple, yet revolutionary blend of aesthetics, security, strength and durability. Virtually unscalable, Omega also comes in an unlimited sweep of colors - from bold and bright to discreet and discriminating. Blending to perfection with the surrounding environment, Omega Fence Systems provide exceptional value from the standpoint of security. They therefore readily address the needs of a broad spectrum of commercial, industrial, architectural, institutional and residential users.

TWINBAR Fence Style "CORDONE"

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 (sandwiched) between two horizontal rods. The rods are electro-forged welded at each crossing. The standard panel length is 8'-3". The twinbar panels are available in different mesh sizes and different material strengths. The panels are prefabricated for heights from 2' 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 rectangle 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.

The finish is high adherence, electrostatic polyester powder coating with high UV stability, impact, corrosion, heat and humidity resistance. Two standard colors (black and dark green) as well as nine optional colors are readily available. Contact the METALCO team for costs and lead times on other color selections. References: ASTM D 3359 (1990) - Method B / D 2794 (1990) / B 117 (1990) / D 2247 (1988). The swing gates shall be made in accordance with ASTM F900 (1984) and the sliding gates shall be fabricated in accordance with ASTM F1184, Class 2.

TWINBAR™ types available:

"TWINBAR™ Standard"

Mesh size 2 3/16" x 8" (55x200mm) on center
Vertical rods are dia. 1/4" (6mm), 2 Horizontal rods are dia. 1/4" (6mm)
Panel Width and Post Spacing 8'-3" (2510mm)

Fence Types and Height available

Panel Height	Mesh Size available	Post Type
4'-0" (1230)	23/16" x 8" (55x200)	2 3/8" x 1 1/2" (60x40)
5'-3" (1630)	23/16" x 8" (55x200)	2 3/8" x 1 1/2" (60x40)
6'-0" (1830)	23/16" x 8" (55x200)	2 3/8" x 1 1/2" (60x40)
7'-3" (2230)	23/16" x 8" (55x200)	2 3/8" x 1 1/2" (60x40)
8'-0" (2430)	23/16" x 8" (55x200)	2 3/8" x 1 1/2" (60x40)

"TWINBAR™ Heavy Duty"

Mesh size 2"x8" (50x200mm) or 4"x8" (100x200mm) on center
Vertical rods are dia. 1/4" (6mm), 2 Horizontal rods are dia. 5/16" (8mm)
Panel Width and Post Spacing 8'-3" (2510mm)

Fence Types and Height available

Panel Height	Mesh Size available	Post Type
3'-3" (1030)	2"x8" (50x200)	2 3/8" x 1 1/2" (60x40)
4'-0" (1230)	2"x8" (50x200)	2 3/8" x 1 1/2" (60x40)
5'-3" (1630)	2"x8" (50x200)	2 3/8" x 1 1/2" (60x40)
6'-0" (1830)	2"x8" (50x200)	2 3/8" x 1 1/2" (60x40)
7'-3" (2230)	2"x8" (50x200)	2 3/8" x 1 1/2" (60x40)
8'-0" (2430)	2"x8" (50x200)	3" x 1 1/2" (80x40)
9'-9" (3000)	2"x8" (50x200)	3" x 1 1/2" (80x40)
13'-1" (4000)	2"x8" (50x200)	3" x 1 1/2" (80x40)
16'-4" (5000)	2"x8" (50x200)	4" x 1 1/2" (100/40)
19'-7" (6000)	2"x8" (50x200)	4" x 1 1/2" (100/40)

New Post Design for Fast and Easy Installation: Our newly re-designed rectangular post system does **NOT require a panel-post-panel installation sequence**. All posts can be installed at the same time and freely spaced between with a maximum post distance of 8'-3". Similar to a chainlink installation, the panels are mounted onto the post face after all posts are set. The panels connect to each other between posts with a special connection fitting.

Fence Style OMEGA

The OMEGA style is available in four standard heights of 4, 5, 6 and 8 feet. Moreover, this modular system can be adapted to fulfill special architectural applications requiring panels as high as 16', swing or sliding gates as well as step-down or turns to accommodate the lay of the land.

Technical data: Omega Fence Systems consists of a rigid panel and post assembly both coated for longer wear and increased aesthetic appeal.

The architectural panels are fabricated from heavy-duty, 6 gauge, 75,000 psi (517 Mpa) galvanized steel wire welded into a solid one-piece mesh sheets. Each wire is independent with a breaking load of 2,172 lb. (9665 N). Minimum weld-shear strength is 1,015 lb. (4.449N). Although easily trimmable during the installation, there is no weak link and no possible unraveling. On request: custom panel dimensions. Reference: ASTM A 641 (1989), Class I / A 185. The profiled posts are galvanized, cold rolled, 33,000 psi (227 Mpa) steel. Its incorporated fastening claws allow for adjustments in 3" (76 mm) increments for installations on uneven surfaces. Reference: ASTM A 446 (1987), Grade A, with a G90 coating.

The rectangular post is identical with the post for the Twinbar™ panel. The attachment hardware comes in several configurations to meet different fastening requirements: straight line or angled rectangle post attachments, masonry fittings, profile shaped brackets, top/bottom/side welded post flanges, etc.

Installation: No matter the type of post, installing an Omega Fence System is fast and easy. An experienced installer should require only 8-10% more time to set a profiled post fence system. To install a fence system using profiled posts simply set the first post, insert the panel in the post bracket, secure it with the snap in device, attach a panel, link a second post to the panel, set the second post and continue sequentially. A rectangle post fence installation allows the posts to be set-in first and then the panels to be attached. For the fence to follow slopes, it is required to step the fence sections. The profiled post permit 3" increments whereas the rectangle post with its collar type panel brackets allow for infinite height adjustments. When faced with a steep slope, it is necessary to cut the panel in half as to keep the gap under the panel to a minimum. A very steep slope may require a portion of the panel to be buried but only if the manufacturer supplies specially coated sections. Mesh sections are reversible and can be installed with pickets facing up or down.

Availability and cost:

Metalco Fence Systems are available all through North America. The average lead-time for a commercial project coated in one of our standard colors is 4 weeks. Pricing is competitively set between chain link and high-end ornamental fences. Please call the Metalco team at 800-708-2526 for price estimates **Warranty:** Complete 10 year coverage against corrosion and defects to the coating for standard panels and posts under normal conditions.

Maintenance: None required.

Technical services: Metalco Fence Systems stands ready to assist you with your fencing requirements. Call or visit our web site at www.metalco.tv for a complete specification outline, installation instructions and CAD panel drawings.

Filing systems: Sweet's General Building and Renovation, Buyline 02825/AME

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