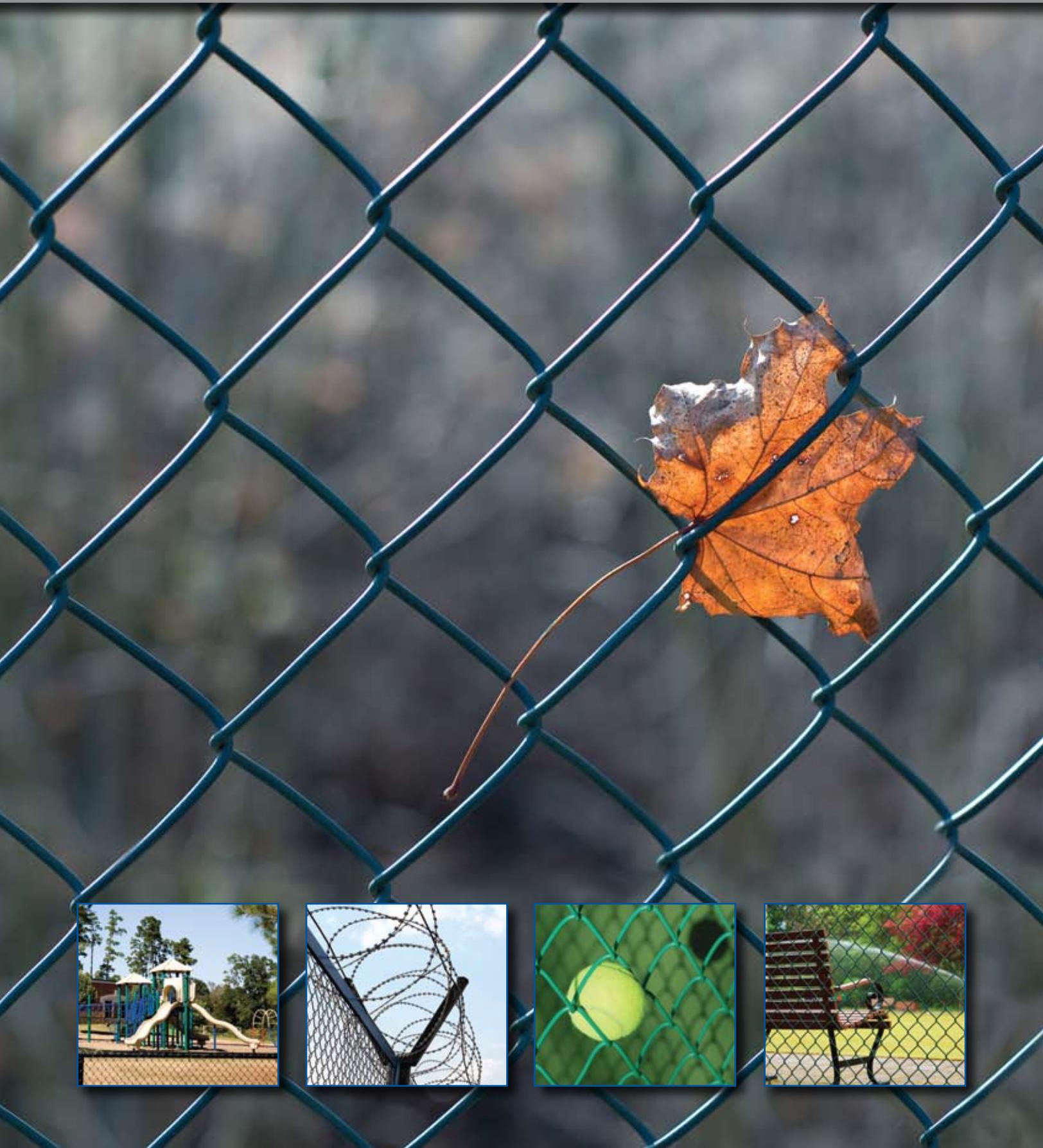




A Tradition of Fencing Solutions

# Chain-Link Products



# Master Halco® ... The industry leader in chain-link fencing solutions

*From humble beginnings in 1961* in a Whittier, California garage, Master Halco has grown and evolved to become the world leader in the manufacturing and distribution of complete fencing solutions.

Starting as Master Fence Fittings, originally producing a limited variety of chain-link fittings, the company quickly grew by adding pipe and chain-link fabric to offer a complete wholesale-only source of chain-link products to contractors.

Over the next ten years, Master Fence Fittings expanded operations to include branch offices in California and a wood fencing distributorship in Colorado. In addition, they began to manufacture vinyl coated chain-link fence fabric in Illinois, which was a logical addition to the expanding product line.

By the early 1980's, Master Fence Fittings purchased Halco Fence & Wire, adding twelve service centers and one manufacturing plant specializing in galvanized chain-link fence fabric, and combined the names of the companies to create Master Halco. Because customers wanted an even wider variety of fence systems and related

materials, ornamental iron and vinyl/PVC fencing were added to the expanding product line, making Master Halco a one-stop source for complete fencing solutions. In 1995, Master Halco established itself as an international distributor with the creation of Master Halco Ltd. in Canada, with three locations to efficiently serve Canadian customers.

Today, Master Halco continues to grow, combining advances in technology and automation with new branch locations to better serve local fencing markets across the nation, earning their place as the premier source for complete fencing system.

*Founded on the principles of quality and value, distribution excellence and dedicated customer support, Master Halco has set the industry standard for world class fencing solutions.*



## Company Milestones... Then & Now

1960

1970

1980

### 1961

Master Fence Fittings was established in a garage with two small punch presses in 1961 by Donovan O'Donnell in Whittier, California, producing a limited variety of chain-link fittings.

### 1965

In 1965, recognizing an opportunity to expand distribution, the first Master Fence Fittings branch service center opened in Hayward, California.

### 1973

Olney, Illinois became Master Fence Fittings' sixth branch in 1973, and its second manufacturing facility. The company began to manufacture vinyl coated chain-link fence fabric as a logical addition to its existing product line. The predecessor to Itochu purchases the Master Companies.

### 1980

In December of 1980, Master Fence Fittings purchased Halco Fence & Wire. This acquisition added 12 service centers and one manufacturing plant, specializing in galvanized chain-link (GAW) fence fabric. In 1983, the names of the companies were combined to create MASTER HALCO.

# Chain-Link Fencing... Economical, versatile, durable and secure

*For over a century*, chain-link fencing has been one of the most popular fencing solutions available and is the leading way to create a safe and protected perimeter environment.

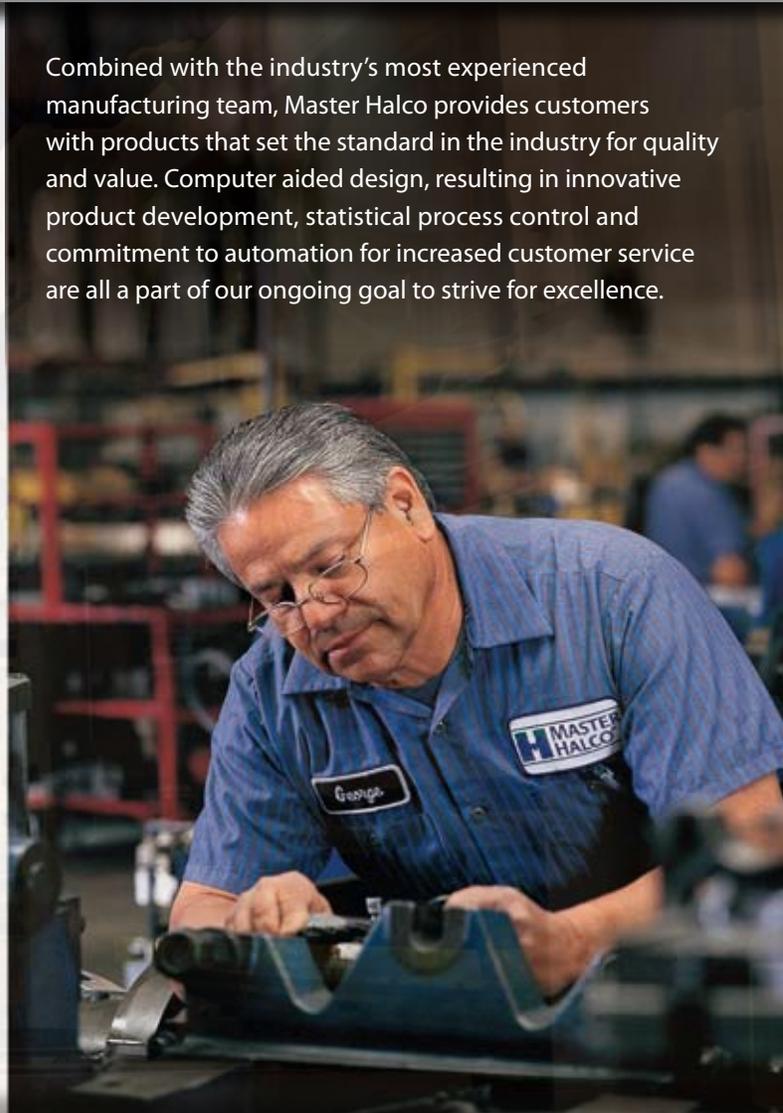
Ideal for residential and commercial applications, no other fencing can offer the benefits of durability and security with flexibility and value like chain-link. Industrial property owners prefer chain-link to protect corporate assets and prevent intrusion. Combined with access control system gates and barbed wire, chain-link can offer enhanced security at an economical cost. It's also a natural for fencing yards, playgrounds and sports fields.

Whether you choose galvanized or the contemporary color and enhanced durability of Spectra® and Permafused® chain-link, there is a choice to suit every aesthetic, security and value requirement. From oceanfront to urban settings and everything in between, premium chain-link fence systems from Master Halco offer a complete fencing solution.

## World-class manufacturing sets the standard for quality.

Master Halco employs state-of-the-art manufacturing technology to produce the highest quality chain-link product available in the market today.

Combined with the industry's most experienced manufacturing team, Master Halco provides customers with products that set the standard in the industry for quality and value. Computer aided design, resulting in innovative product development, statistical process control and commitment to automation for increased customer service are all a part of our ongoing goal to strive for excellence.



1990

2000

2010

### 1995

MASTER HALCO successfully established itself as an international distributor in 1995 with the creation of Master Halco Ltd. in Canada. Consistent with our commitment of being close to our customers, three locations provide an efficient way to service our Canadian clientele.

### 1999

New corporate identity.

### 2005

Master Halco announced its acquisition of Canadian companies: Clotures Lasalle Ltee and Clotres Bel-Air Ltee. These purchases increase Master Halco's Canadian presence through its fence contracting business and home center channels, adding three distribution centers in Quebec City, Montreal and Brampton, along with the St. Catherine manufacturing plant.

### 2009

Master Halco continues to add branch locations across North America. Recent openings will help serve the local fencing markets in:

- Hayward, CA
- San Diego, CA
- Austin, TX
- Rochester, NY

# Galvanized Chain-Link... made to be versatile

Galvanized hot-dipped zinc coating is the most popular and inexpensive method for protecting chain-link fence systems. Preferred for decades to define property lines and protect property, galvanized chain-link offers a versatile fencing solution that will provide years of maintenance-free protection.

## Security



## Highway



## Commercial



### Galvanized Fencing System

All steel components are hot-dip zinc coated and guaranteed for 12 years.



12 Year Warranty



Meets and Exceeds all ASTM Standards

### Galvanized After Weaving (GAW)

This process forms or weaves chain-link into a fabric first, and then soaks it in a large galvanized bath which adheres the zinc coating. This ensures that all the wire is coated, even the cut ends created during the weaving process.



### Galvanized Before Weaving (GBW)

In this process, the wire is pre-galvanized before it is formed into a fabric. The weaving process creates an exposed cut end that will lack coating and be more apt to some minor rust in wet and severe weather conditions.





**Residential**



**Schools**



**Construction**

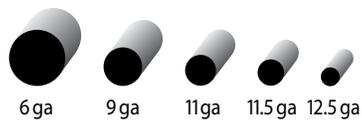


Framework and Fittings

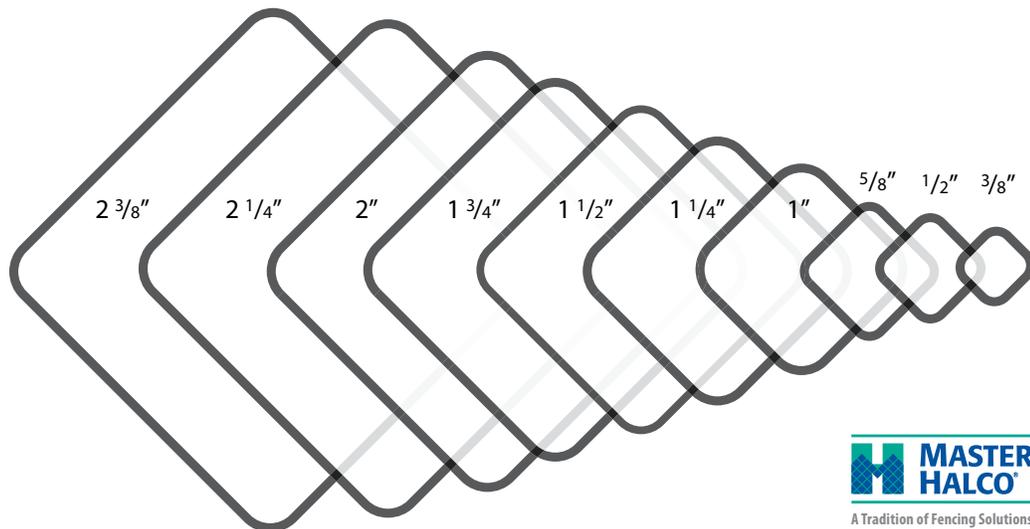
Master Halco offers the highest quality matching framework, fittings and accessories for galvanized fencing systems, stocking the largest assortment of domestic and imported pipe, tube and fittings to satisfy any job specification.

Available Wire Gauges

The gauges available are:



Available Mesh Sizes



# Spectra® Color Chain-Link... made to perform

Spectra® is the latest generation of Master Halco's residential, commercial and industrial chain-link fence systems. It provides the corrosion protection of zinc, with the durability and attractive appearance of a colored polyester framework and extruded PVC fabric, to ensure years of attractive and reliable performance that blends in beautifully with the environment.

## Pets



## Parks



## Property Lines



### Our Spectra Fencing System

Premium quality frame and fabric is guaranteed for 12 years.



12 Year Warranty



Meets and Exceeds  
all ASTM Standards

### Features and Benefits:

- Zinc-coated steel framework is thoroughly cleaned during the pre-treatment process, then color coated with a 3 mil minimum polyester layer for dual protection from corrosion.
- All galvanized wire has a 15 mil minimum extruded polyvinyl chloride coating for dual protection from corrosion and the elements.
- Fittings are made of galvanized steel with a 6 mil minimum of polymer coating for added protection.
- Components are treated with both zinc and an electrostatically applied color coating to help provide years of protection and security.



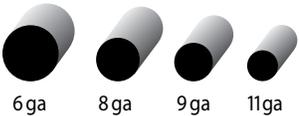
Available Colors

Choose from 3 serene colors that blend in perfectly with the environment. Spectra® defines property lines, encloses animals, protects public buildings and will add value to any residential or commercial property.

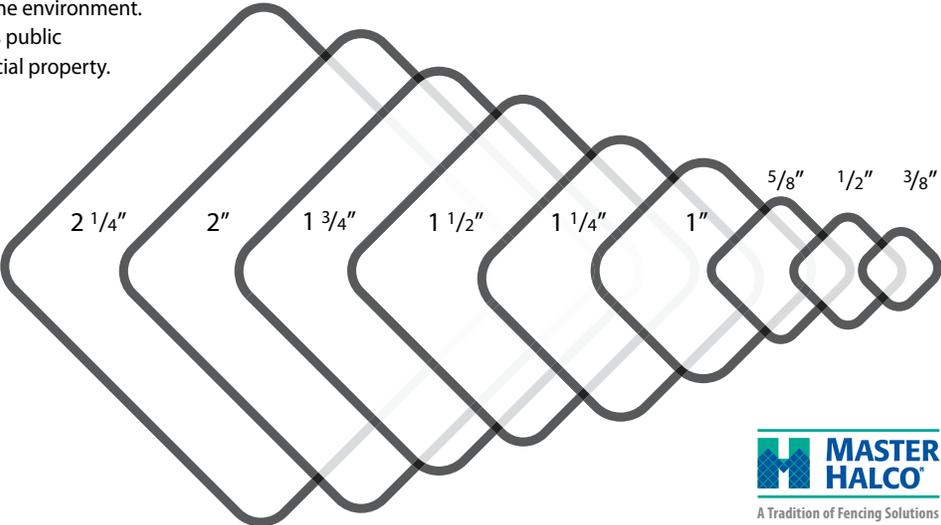


Available Wire Gauges (Finish)

The gauges available are:

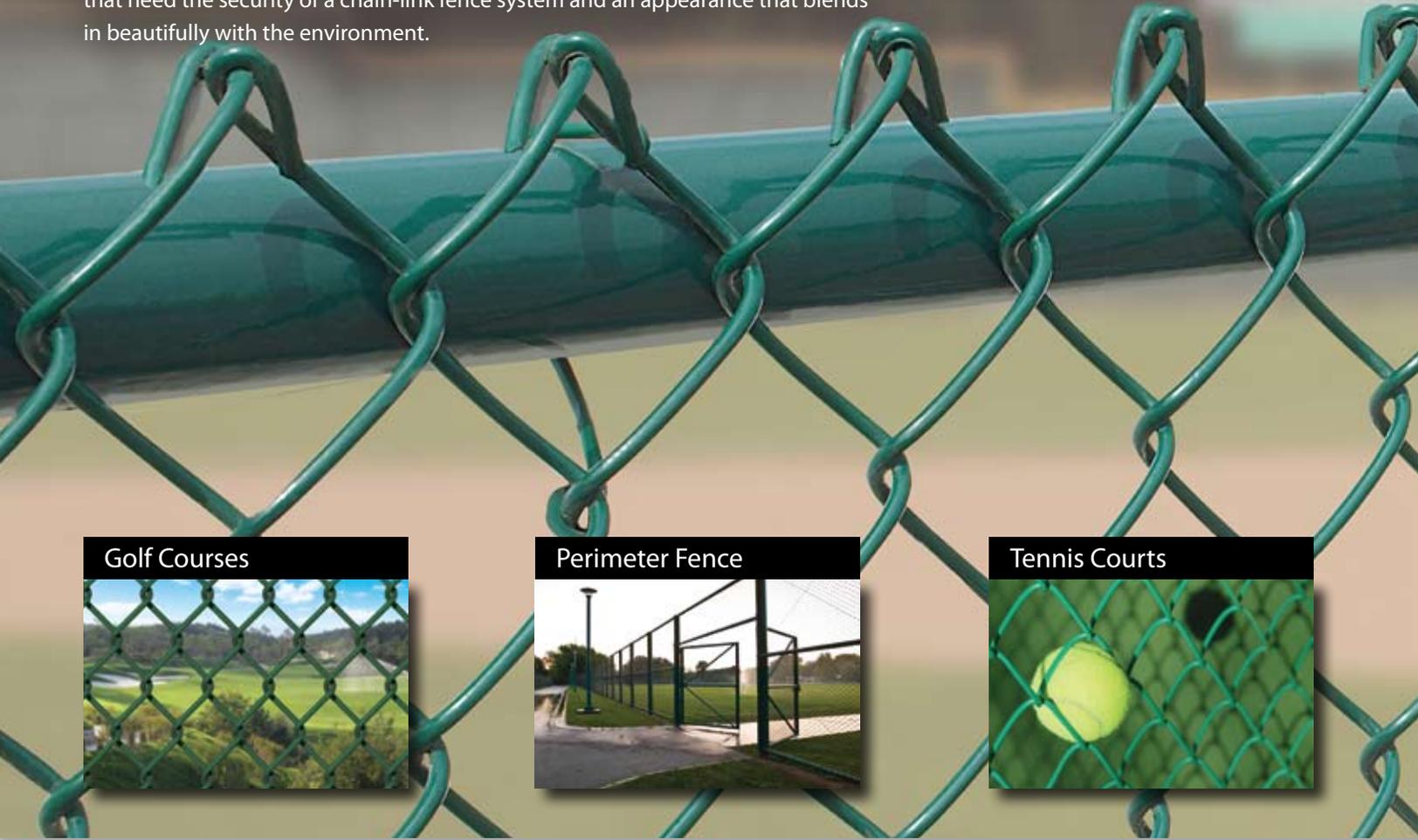


Available Mesh Sizes



# Permafused® II Color Chain-Link... made to be durable

Permafused® II, the next generation in color chain-link fence systems, offers unparalleled performance over ordinary systems, featuring a heavy mill coating that offers superior protection. Its outstanding resistance to ultra violet light and corrosive environments prevents premature fading and decay. It is an ideal choice for commercial applications that need the security of a chain-link fence system and an appearance that blends in beautifully with the environment.



## Our Permafused Fencing System

Master Halco offers the highest quality products with unmatched reliability.



15 Year Warranty



Meets and Exceeds  
all ASTM Standards

## Features and Benefits:

- Outstanding performance in highly corrosive environments provides years of protection.
- High impact resistance reduces the chance of damage during product handling and installation.
- Exceptional resistance to ultra violet light prevents premature fading.
- Extreme flexibility reduces susceptibility to cracking and chipping, even in changing weather conditions.
- 15 year limited warranty provides confidence and assurance that you've selected one of the best color chain-link fence systems available.



**Schools**



**Government Facilities**



**High-Security Facilities**

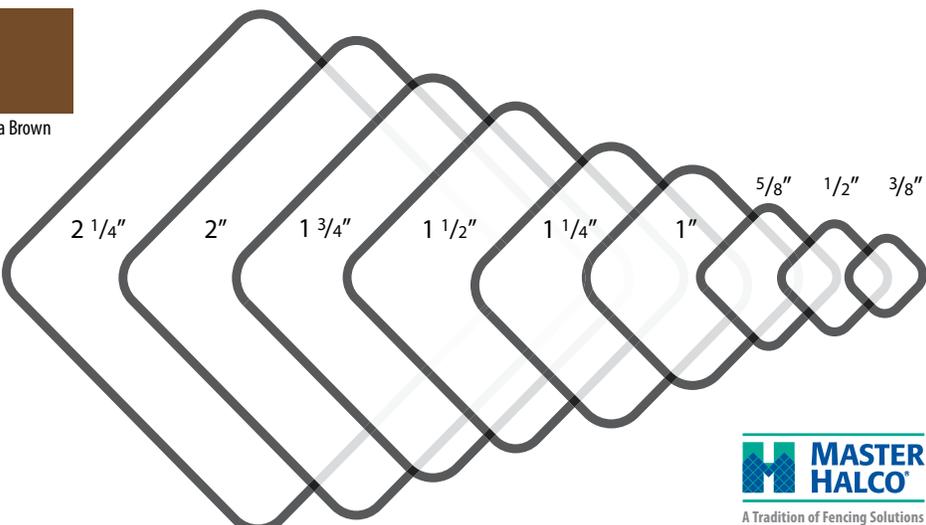


Available Colors

Choose from 3 standard and 2 special order PermaFused II colors that will enhance any installation and blend in beautifully with any environment.

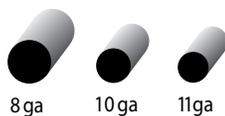


Available Mesh Sizes



Available Wire Gauges (Finish)

The gauges available are:



# Chain-Link Fencing Systems Comparisons

Design Selections	Galvanized	Spectra®	Permafused® II
Colors	N/A	3 Choices	5 Choices
Available Heights	3' - 12'	3' - 12'	3' - 12'
Mesh	10 Choices	9 Choices	9 Choices
<b>Durability</b>			
Corrosion Resistance	Good	Better	Best
Fade Resistance	N/A	Better	Best
Peel Resistance	N/A	Better	Best
Weathering Resistance	Good	Better	Best
Abrasion Resistance	Good	Better	Best
Chemical Resistance	Good	Better	Best
Low Temperature	Good	Better	Best
<b>Coatings</b>			
Coating Material	Galvanized Zinc	Polyester	Heavy Mil
Coating Process	Galvanized Before and Galvanized After Weaving	9 Stage In-Line Coating Process	11 Stage In-Line Coating Process
<b>Warranty</b>			
	12 Years	12 Years	15 Years

# Galvanized

## Residential Galvanized Chain-Link Fence Recommendations

Chain-Link Fabric	
Type	Galvanized After Weaving and Galvanized Before Weaving
Gauge	9, 11, 11.5 and 12.5
Mesh	1-1/4", 2", 2-1/4", and 2-3/8"
Heights	3', 42", 4', 5', 6'
Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Barb - Knuckle (BK) for 6' and Over.
Top Rail	
3' to 5' High	1-3/8" O.D. 17 Gauge
	1-3/8" O.D. 16 Gauge
6' High	1-3/8" O.D. 17 Gauge
	1-3/8" O.D. 16 Gauge
	1-5/8" O.D. 16 Gauge
Line Posts	
3' to 5' High	1-5/8" O.D. 16 Gauge
6' High	1-7/8" O.D. 16 Gauge
Terminal Posts	
3' to 5' High	1-7/8" O.D. 16 Gauge
	2-3/8" O.D. 16 Gauge
6' High	2-3/8" O.D. 16 Gauge
Gates	
Fabric	Same Gauge and Mesh as Chain-Link Selected
Frame	Same as Top Rail Selected
Fittings	
Tension and Brace Bands	Hot-Dip Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Die Cast Aluminum or Pressed Steel
Tie Wires	Aluminum or Galvanized Steel
Slats - Privacy	
Material Composition	Polyethylene Thermoplastic
Colors	Green, Black, Brown, Gray, Redwood, Blue, Desert Sand

## Commercial Galvanized Chain-Link Fence Recommendations

Chain-Link Fabric	
Type	Galvanized After Weaving
Specification	ASTM A 392 Class 1 or 2
Gauge	6, 9, and 11
Mesh	3/8", 1/2", 5/8", 1" 1-1/4", 1-1/2", 1-3/4" and 2"
Heights	3', 42", 4', 5', 6', 7', 8', 9', 10', and 12'
Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Barb - Knuckle (BK) for 6' and Over.
Top Rail	
3' to 5' High	1-5/8" O.D. Deluxe Quality (DQ)
	1-5/8" O.D. Full Weight Pipe
6' to 12' High	1-5/8" O.D. Deluxe Quality (DQ)
	1-5/8" O.D. Full Weight Pipe
Line Posts	
3' to 5' High	1-7/8" O.D. Deluxe Quality (DQ)
	1-7/8" O.D. Full Weight Pipe
	2-3/8" O.D. Commercial Quality (CQ)
	2-3/8" O.D. Deluxe Quality (DQ)
6' to 12' High	2-3/8" O.D. Full Weight Pipe
	2-3/8" O.D. Commercial Quality (CQ)
	2-3/8" O.D. Deluxe Quality (DQ)
3' to 12' High	2-3/8" O.D. Full Weight Pipe
	4" O.D. Commercial Quality (CQ)
	4" O.D. Deluxe Quality (DQ)
For Heavy Gates	4" O.D. Full Weight Pipe
	6-5/8" O.D. Full Weight Pipe
	8-5/8" O.D. Full Weight Pipe
	Terminal Posts
3' to 12' High	2-3/8" O.D. Commercial Quality (CQ)
	2-3/8" O.D. Deluxe Quality (DQ)
	2-3/8" O.D. Full Weight Pipe
	4" O.D. Commercial Quality (CQ)
	4" O.D. Deluxe Quality (DQ)
For Heavy Gates	4" O.D. Full Weight Pipe
	6-5/8" O.D. Full Weight Pipe
	8-5/8" O.D. Full Weight Pipe
	Gates
Fabric	Same Gauge and Mesh as Chain-Link Selected
Frame	Same as Top Rail Selected
Fittings	
Tension and Brace Bands	Hot-Dip Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Malleable, Cast Iron Steel, and Pressed Steel
Tie Wires	Aluminum or Galvanized Steel
Slats - Privacy	
Material Composition	Polyethylene Thermoplastic
Colors	Green, Black, Brown, Gray, Redwood, Blue, Desert Sand

### Spectra® Polyester Coated Color Chain-Link Fence Recommendations

Chain-Link Fabric	
Type	Spectra® polyvinyl chloride extruded over zinc-coated steel wire per ASTM F 668 Class 1 or Spectra® polyvinyl chloride extruded and adhered over zinc-coated steel wire per ASTM F 668 Class 2a.
Gauge	6, 9, and 11 (Finish)
Mesh	3/8", 1/2", 5/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", and 2-1/4"
Heights	3', 42", 4', 5', 6', 7', 8', 9', 10', and 12'
Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Barb - Knuckle (BK) for 6' and Over.
Colors	Forest Green, Midnight Black, Sierra Brown
Framework	
Type 2	Spectra® polyester resin, 3 mils minimum, over galvanized steel ASTM F 1043, Group 1C, with a minimum yield strength of 50,000 PSI. Protective coating per ASTM 1043, external coating Type B, zinc with organic overcoat, 0.9 ounces per square foot minimum zinc coating with chromate conversion coating and verifiable polymer film.
Colors	Forest Green, Midnight Black, Sierra Brown
Top Rail	
Type 2 Residential	1-3/8" O.D. Spectra® 17 Gauge • 1-3/8" O.D. Spectra® 16 Gauge
Type 2 Commercial	1-5/8" O.D. Spectra® Deluxe Quality (DQ) 1-5/8" O.D. Spectra® Full Weight Pipe
Line Posts	
Type 2 Residential	1-5/8" O.D. Spectra® 17 Gauge • 1-5/8" O.D. Spectra® 16 Gauge
Type 2 Commercial	1-7/8" O.D. Spectra® Deluxe Quality (DQ) 1-7/8" O.D. Spectra® Full Weight Pipe 2-3/8" O.D. Spectra® Deluxe Quality (DQ) 2-3/8" O.D. Spectra® Full Weight Pipe
Terminal Posts	
Type 2 Residential	1-7/8" O.D. Spectra® 16 Gauge • 2-3/8" O.D. Spectra® 16 Gauge
Type 2 Commercial	2-3/8" O.D. Spectra® Deluxe Quality (DQ) 2-3/8" O.D. Spectra® Full Weight Pipe 2-7/8" O.D. Spectra® Deluxe Quality (DQ) 2-7/8" O.D. Spectra® Full Weight Pipe 4" O.D. Spectra® Deluxe Quality (DQ) 4" O.D. Spectra® Full Weight Pipe
Gates	
Fabric	Same Gauge and Mesh as Chain-Link Selected
Frame	Same as Top Rail Selected
Fittings	
Tension and Brace Bands	Polymer Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Polymer Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel or Aluminum
Sleeves	Polymer Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Steel
Tie Wires	Polymer Coating, 6 Mils Minimum, Over Zinc-Coated Steel Wire
Slats - Privacy	
Material Composition	Polyethylene Thermoplastic
Colors	Green, Black, Brown, Gray, Redwood, Blue, Desert Sand

### Permafused® II Coated Commercial Color Chain-Link Fence Recommendations

Chain-Link Fabric	
Type	Permafused® II Heavy-Mil Coating Fused and Adhered to Zinc-Coated Steel Wire per ASTM F 668 Class 2b.
Gauge	8, 10, and 11 (Finish)
Mesh	3/8", 1/2", 5/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", and 2-1/4"
Heights	3', 42", 4', 5', 6', 7', 8', 9', 10', and 12'
Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Barb - Knuckle (BK) for 6' and Over.
Colors	Forest Green, Midnight Black, Sierra Brown, Olive Green and Tan
Framework	
Type 1	Permafused® II Heavy Mil, 10 mils minimum, over galvanized steel ASTM F 1043, Group 1a, standard weight pipe, schedule 40. Hot-dipped galvanized with a minimum average 1.8 ounces per square foot of zinc-coated surface area.
Type 2	Permafused® II Polyolefin, 10 mils minimum, over galvanized steel ASTM F 1043, Group 1c, with a minimum yield strength of 50,000 PSI. Protective coating per ASTM F 1043, external coating type B, zinc with organic overcoat, 0.9 ounces per square foot minimum zinc coating with chromate conversion coating and verifiable polymer film.
Colors	Forest Green, Midnight Black, Sierra Brown, Olive Green and Tan
Top Rail	
Type 1	1-5/8" O.D. Permafused® II Standard Weight Pipe (0.140" wall thickness, 2.27 lb./ft.)
Type 2	1-5/8" O.D. Permafused® II Deluxe Quality (DQ) Pipe (0.111" wall thickness, 1.83 lb./ft.)
Line Posts	
Type 1	2-3/8" O.D. Permafused® II Standard Weight Pipe (0.154" wall thickness, 3.65 lb./ft.)
Type 2	2-3/8" O.D. Permafused® II Deluxe Quality (DQ) Pipe (0.130" wall thickness, 3.12 lb./ft.)
Terminal Posts	
Type 1	2-7/8" O.D. Permafused® II Standard Weight Pipe (0.203" wall thickness, 5.79 lb./ft.)
Type 2	2-7/8" O.D. Permafused® II Deluxe Quality (DQ) Pipe (0.160" wall thickness, 4.64 lb./ft.)
Gates	
Fabric	Same Gauge and Mesh as Chain-Link Selected
Framework	Same as Top Rail Selected 2" Sq. Steel Tubular (2.60 lb./ft.) 2" Sq. Aluminum Tubular (0.94 lb./ft.)
Fittings	
Tension and Brace Bands	Permafused® II Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Permafused® II Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel or Aluminum
Sleeves	Permafused® II Coating, 6 Mils Minimum, Over Hot-Dipped Galvanized Steel
Tie Wires	Permafused® II Coating, 6 Mils Minimum, Over Zinc-Coated Steel Wire

# Accessories, Framework & Fittings... for a complete fencing solution

Master Halco® is dedicated to providing a complete range of products for every fencing application. From temporary fencing to high security accessories, and automated gate systems to privacy screening, you'll find a solution that will fit any specific requirement for commercial or residential jobs. All products are constructed to the highest quality standards to deliver optimum performance and ensure efficient installation.

As the leader in the chain-link fencing market, you can look to Master Halco with confidence as your one-stop-shop for all high-quality, chain-link fencing products.



## Framework & Fittings

The proper framework and fittings is a must for every job. Master Halco stocks the largest selection of imported and domestic pipe, tube and fittings in the nation to coordinate with our Chain-Link fabric styles, offering a complete fencing solution.

Whether you are looking to complete a small residential job or a large commercial one, Master Halco offers the perfect combination of products. Below are just a few examples of coordinating pipes, tubes and fittings available.



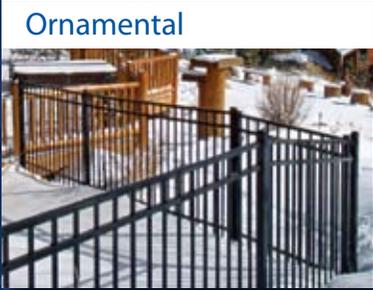
### Pipe & Tube

- CQ20
- Structural
- Dura-Tube 16 Gauge
- RQ 15
- DQ 40
- HQ 30
- Dura-Lite 18 and 17 Gauge
- Schedule 40 Full Weight

### Fittings

- Pressed Steel
- Malleable
- Aluminum
- Heavy Mil Color
- Die Cast
- Polyester Coated Color





# Master Halco® ... offers you more

As North America's largest fence solutions distributor, Master Halco constantly works to bring you the most comprehensive product offerings in the industry. Every fencing job is different, and we strive to present you with the options that you need to make the optimum fencing choice. Our product line-up is comprehensive, in-stock, and ready for your review.

Contact your nearest Master Halco location and experience for yourself why we are the go-to resource for fencing solutions, year after year.

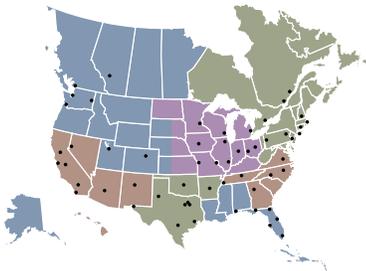


A Tradition of Fencing Solutions

**MasterHalco.com | 888-MH-Fence**

Branch service centers are located throughout North America.

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Available from: