Niles Fence and Security, LLC

SECUREX

| Securex Fencing | Retro Fit Fencing | Super C Fencing | Diamond Fencing | Security Cages |

SECUREX High Security Expanded Metal Fencing

…. Because not all fences are created equal

NILES

Niles Fence and Security, LLC is an American manufacturer of expanded metal security panels and high security expanded metal fencing.

Niles makes perimeter security a reality with our anti-cut, anti-climb solutions that work.

Our complete line of expanded metal fencing will help you meet a variety of site specific challenges. All of our styles including SECUREX, Diamond, Super-C and Retro-Fit can be customized using different diamond patterns and fittings to address the full spectrum of security challenges.

At Niles, your security fence is our only job.

SECUREX

NILES

The mission of Niles Fence & Security Products, LLC is to develop and distribute expanded metal fence systems that meet and exceed our customers' expectations.

At Niles, we believe expanded metal fences have infinite possibilities. We pledge to you that we will commit all of our experience, imagination and technology to making your ideas a reality.

Niles Fence & Security Products, LLC is an ISO 9001:2008 certified company and works with the full support and experience of Niles Expanded Metals and Plastics, an established leader in expanded metal products.

Our design team is available to provide detailed drawings and specifications for your projects. We pledge to work with you to find the precise materials required to meet both your security and aesthetic needs.

For written specifications, detailed drawings or additional technical information please contact us directly.

Because not all fences are created equal…. choose expanded metal.

Choose Niles Fence and Security.

Niles Fence and Security
1-800-321-7464

SECUREX High Security Expanded Metal Mesh Products

Niles Fence and Security, LLC
301 N. Pleasant Avenue, Niles, Ohio 44446 info@nilesfence.com   800-321-7464   f:330-299-0329
WWW.NILESFENCE.COM

SECUREX Security Fencing

High Security Expanded Metal Fencing

SECUREX High Security Fencing is an expanded metal fence used for applications that require the maximum level of perimeter security. SECUREX is the industrial solution for high traffic areas and critical infrastructure protection.

SECUREX fencing features a round rail fence framework design with the added strength and security of anti-cut, anti-climb high security expanded metal mesh panels. When attached with our security fittings, SECUREX expanded metal fencing significantly increases physical security and deters access to areas that may have been vulnerable to attack.

Recommended Expanded Metal Patterns

1" #7 R	3/4" #9 R
1/2" #13 R	1/2 #13 (.188)R

- **Round rail, industry standard fence framework which meets ASTM 2548-12**
- **Simple to install, difficult to breach**
- **Fittings available for standard or heavy duty applications**
- **Multiple diamond patterns and mesh size options for different levels of security requirements**
- **Single panel heights to 12'.   Custom sizing, layouts and additional panel heights available by request**

All expanded metal panels available in your choice of finish: Galvanized, black or green powder coated

Retro Fit Security Fencing

Security Fencing Upgrade

Retro Fit security fencing was designed to increase security where circumstances require an upgrade to perimeter controls.

Retro fit fencing adds high security expanded metal panels to either steel palisade or chain link fence framework. In most cases the expanded metal panels can attach directly over currently installed chain link with the simple addition of a series of fittings. Fittings are available for various frameworks styles including, round, square, C posts and H posts.

Recommended Expanded Metal Patterns
3/4" #9R   1/2" #13R

- **Ability to utilize fence framework already set in place**
- **Quickly and easily can be used to increase the overall height of the fence**
- **Can be used over chain link or added alone after chain link is removed**
- **Single panel heights to 12'**

All expanded metal panels available in your choice of finish: Galvanized, black or green powder coated
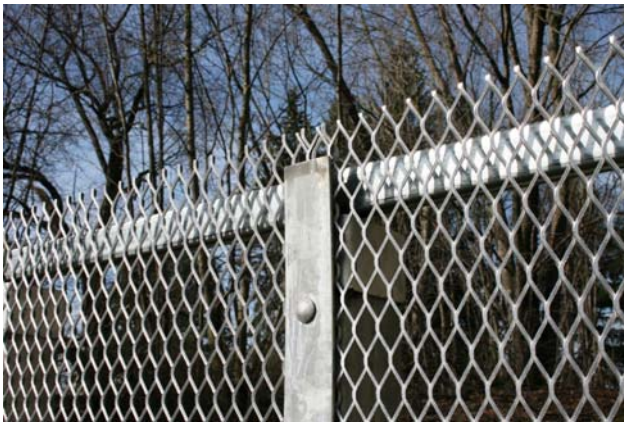
Super C Expanded Metal Fencing

Expanded Metal Anchoring

SECUREX Super-C High Security Fencing was designed for ease of installation and features high strength roll formed line posts and rails.

The strength of the Super-C system couples our .150 heavy wall c-posts with steel cover straps or clamps for the heaviest expanded metal anchoring in the industry.

Specified for use by ASTM-F1043, the posts and rails on this design make these posts stronger than Schedule 40 round pipe. Additionally, the c-form self anchoring drive construction saves both time and money because the posts can be driven, instead of concreted into the ground. Our durable open post and rail design also helps eliminate moisture inside the rails reducing maintenance, leading to significant savings over time.

Recommended Expanded Metal Patterns
1" #7R   3/4" #9R   1/2" #13R

- **Ideal for self anchoring drive construction, saves time and money**
- **.150 heavy wall posts meet ASTM F1043, AASHTO M181, FAA-F162, CEGS 02831 and RRF191/3E**
- **Uses square rail fittings and cover strap for concealed anchoring of expanded metal panels**
- **Single panel heights up to and including 12'**

All expanded metal panels available in your choice of finish: Galvanized, black or green powder coated

Diamond Expanded Metal Fencing

Commercial and Industrial Fencing

Diamond architectural expanded metal fence is the aesthetic option when security and style matter.

The Diamond fence style features round posts, c-channel rails and our specialized fittings that offer the security of expanded metal - with style.

Diamond expanded metal security fencing is substantially stronger than other fence options and is recommended for use at corporate or manufacturing facilities where security is paramount.

Recommended Expanded Metal Patterns
1/2" #13R   3/4" #9R   1-1/2" #9R   2" #9R

- **Industry standard round posts**
- **13/16" x 1-5/8" roll formed line rails**
- **Stainless steel breakaway nuts and bolts**
- **Multiple expanded metal mesh infill options - including decorative and architectural patterns**
- **Single panel heights up to and including 12'**

All expanded metal panels available in your choice of finish: Galvanized, black or green powder coated

SX3000 Expanded Metal Interior Cages or Partitions

Interior Security Cages

Our SX3000 expanded metal security cages offer the maximum in theft protection while providing strength, visibility and ventilation. Featuring a post and panel design, our security cages offer the flexibility to choose a configuration that best suits your needs and are available with or without ceilings.

Our expanded metal security cage panels feature structural stability that can accommodate site specific challenges, including beams and structures already in place. In a standard installation, 4'h x 8'w panels are stacked horizontally and attach to square posts with included hardware. The SX3000 security cage system is able to accommodate heights up to 30' and is available with your choice of hinged doors, sliding doors or service windows.

Recommended Expanded Metal Patterns

3/4" #9R	1/2" #13R
3/4" #9F	1/2" #13F

- **Meets OSHA physical barrier requirements**
- **For DEA enclosures - SX3000 meets physical security controls for class III, IV and V controlled substances as outlined in Title 21 CFR Sections 1301.72-1301.76 of the US Department of Justice code**
- **Permits free passage of light, heat, air and sound while offering solid protection from theft or burglary**

SX3000 Security Cages are available in standard gray or black powder coat. Custom colors on request.

Expanded Metal Exterior Cages

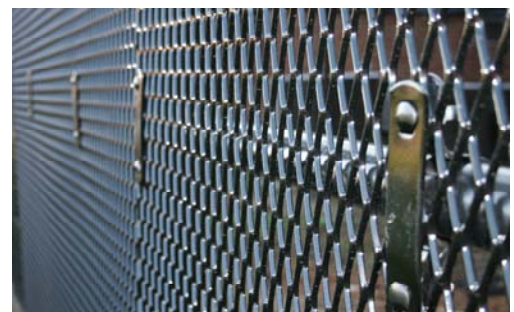**Exterior Security Cages, Expanded Metal protection for HVAC units**

Exterior expanded metal security cages feature our standard size diamond expanded metal and work in conjunction with industry standard pipe framework. Use expanded metal exterior cages when ventilation and security is critical. Multiple configurations, including ceilings and interior partitions for limited access personnel, offer durable security solutions.

Recommended Expanded Metal Patterns

3/4" #9R   1/2" #13R
3/4" #9F   1/2" #13F

NILES

All expanded metal panels available in your choice of finish: Galvanized or black powder coated
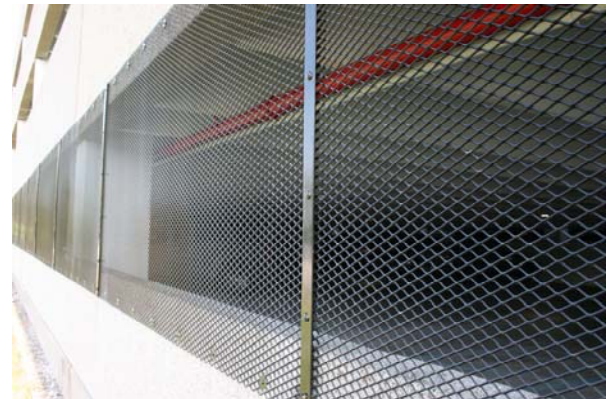
Security Mesh - Exterior

Security mesh for exterior applications

Exterior expanded metal security mesh is primarily designed for use at parking garages and mezzanines.

Exterior security mesh can also be used to increase security on exterior windows, window wells, doors, gables and other openings where small animals or children may try to gain access to a secure area.

Recommended Expanded Metal Patterns
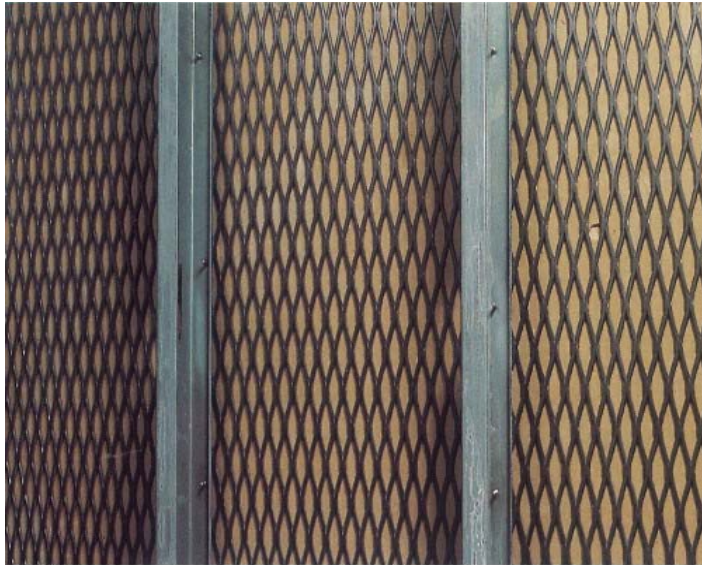|	
3/4" #9R	1/2" #13R
3/4" #9F	1/2" #13F

- **Used to create a safety and security barrier**
- **Encourages clear site lines while providing protection**
- **Different fitting options available, including coverstraps and u-edging for site specific applications**

All expanded metal panels available in your choice of finish: Galvanized, black or green powder coated
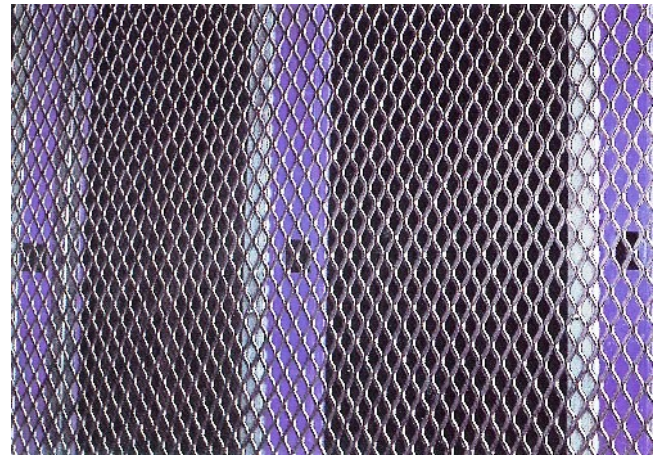
Security Mesh - Interior

Security Mesh for Walls

Expanded metal security mesh panels by Niles are used to provide strength and security *inside* walls, floors and ceilings. Standard panels attach to wall studs with SECUREX clips and create a steel barrier inside the finished drywall.

Use security mesh to protect valuable areas and add a layer or protection from theft.
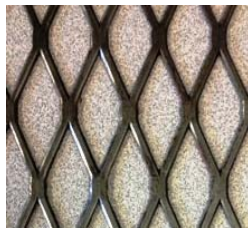
SECUREX SECURITY CLIPS
SECUREX2375CLIP

SECUREX SECURITY CLIPS
SECUREX3CLIP

| 1/2 #13 FLAT | 3/4 #13 FLAT | 3/4 #9 FLAT | 1 #16 FLAT | 1 1/2 #9 FLAT |

- Can be formed to accommodate all wall heights and configurations
- Stock sizes available for immediate shipment
- Easily attaches to metal or wood wall studs and floor joists
- Use for banks, panic rooms, government buildings and retail stores

NILES

All expanded metal panels available in mill finish carbon or stainless steel

Security Railing

Safety railing for mezzanines and machine guarding

SECUREX safety railing uses expanded metal to solve safety and access issues in both industrial and commercial environments.

Commercial - Expanded metal design options include all of our architectural as well as industrial diamond design patterns. Panels are shipped individually and are available with or without safety u-edging.

Industrial panels - Our expanded metal safety railing is designed for use around manufacturing machinery. Coupled with other security controls, SECUREX safety railing is a cost-effective method of protecting workers and facilities.
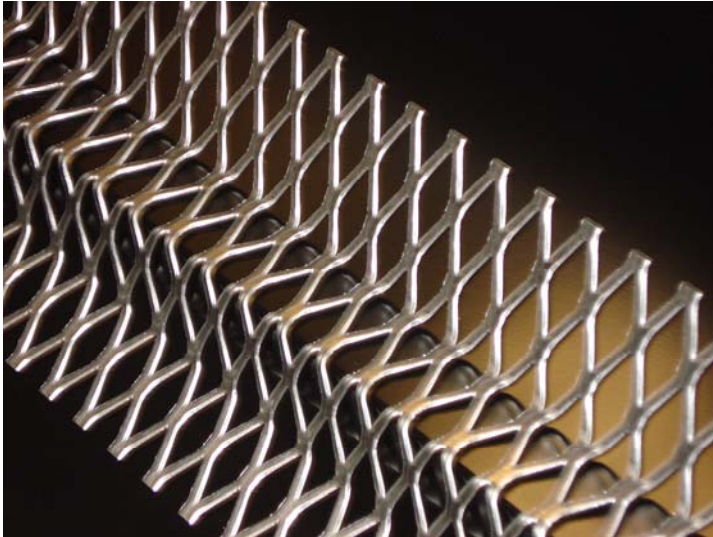
- For machine guarding, helps meet OSHA physical barrier standards
- Available in all architectural and industrial mesh diamond patterns
- Available with or without safety u-edging
- Custom design available
- Multiple fittings and attachment methods available

All expanded metal panels available in your choice of finish: Galvanized, black or custom powder coated
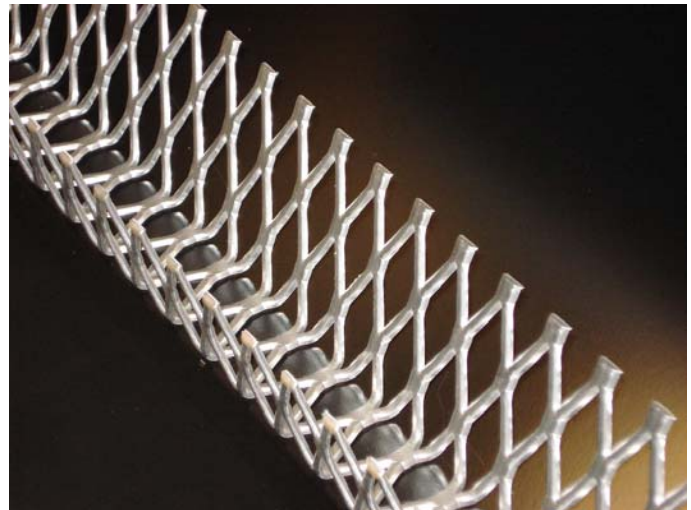
Security Spikes

SECUREX Wall Spikes

Security spikes for walls and fencing

Bird Deterrent and Wall Spikes were created to stop security threats at the top of walls or fencing. Our security spikes are available in two grades and in two designs for different levels of protection.

Recommended Expanded Metal Patterns
3/4" #9 F   1-1/2" #9F

SECUREX wall spikes are an alternate option to barbed or razor wire and ship in 4' or 5' lengths. The expanded metal of the wall spikes are random sheared at the top to create a formidable and sharp edge along any square framed surface. Use the wall spikes at the edge of retaining walls or on panel based fencing for maximum security without the look of barbed wire.

SECUREX Bird Deterrent

Designed as a light use deterrent for animals, SECUREX bird deterrent spikes make it difficult for birds or small animals to perch at the edge of retaining walls or square frame fencing. The standard edging exposes 3" - 4" above grade but custom cuts and bending are available.

- **Can be custom bent or manufactured to alternate specifications**
- **Available in stock sizes of 4' or 5' long pieces**

All expanded metal wall spikes available in mill finish, galvanized or stainless steel. Custom powder coating available upon request.

Architectural and Design Mesh

Security mesh for exterior applications

SECUREX architectural expanded metal is available in multiple sizes and design patterns for both interior and exterior use.

Exterior Applications
Solar Screening - Architectural screens can be used on the exterior of buildings to help deflect light and heat or to enhance building design. Cladding - Use expanded metal to enhance aesthetics and create building that are works of art.

Interior Applications
Interior expanded metal panels can be used decoratively or functionally to diffuse sound and light or as a safety barrier on mezzanines and stairs.

- Can help buildings meet LEED requirements
- Wide range of diamond patterns and materials available
- Custom material and patterns available upon request

All expanded metal panels available in your choice of steel, stainless steel or aluminum.
Powder coating available upon request.

Security Gates

Security Gates and panels for UL 325 compliance

SECUREX expanded metal fence systems feature a complete line of high security gates.

SECUREX delivers several gate options including completely welded systems or expanded metal security panels and fittings which can be added to gate framing in the field.

Standard security gates are available in swing, slide and cantilever options. Additionally, we offer pre-hung security gates with a panic bar for safe and easy emergency exit situations.
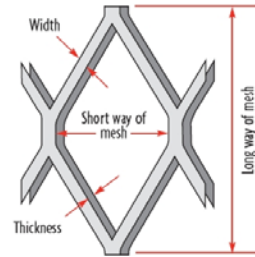

Expanded metal panels for UL-325 compliance are also available by individual sheets. Standard sizing which meets industry safety standards include 3/4" #9 and 1/2" #13 diamond patterns.

All expanded metal gates and gate panels are available: Galvanized, black powder coated or in aluminum

Explaining Expanded Metal Mesh Security Panels

Expanded Metal is produced from solid sheets or plates of carbon, galvanized and stainless steel, as well as aluminum and a variety of alloys of copper, nickel, silver, titanium and other metals. Because expanded metal is made from a solid sheet of metal, and it is not woven or welded - it can never unravel.

To produce expanded metal, a sheet or plate is simultaneously slit and stretched. This process expands the cuts into diamond shaped holes of uniform size and shape. Because no metal is lost in the expanding process, expanded metal is cost effective and saves energy by conserving material and allowing the fabrication to go further and do more.

When choosing expanded metal for your fence application, you will need to determine which style or diamond size is best for your application. Expanded metal designations are indicated by SWD (the measurement on the short way of diamond), while the second number may specify the gauge of metal, the weight per hundred sq. foot, or have some other significance.

Another consideration when ordering expanded metal mesh panels is the actual metal strand width and metal strand thickness. These are important because they contribute the actual opening size of the diamond and the % open area or visibility through the fence. Niles Fence has standardized this for fencing applications and below is a comprehensive table of nominal weights and dimensions.

STYLE	GALVANIZED WEIGHT PER SQ. FOOT	DIAMOND SIZE (INCHES)		DIAMOND OPENING SIZE (INCHES)		STRAND SIZE (INCHES)		% OPEN AREA
		SWD	LWD	SWO	LWO	WIDTH	THICKNESS	
Standard - Carbon Steel								
1/2" -13R	1.74	0.500	1.20	0.312	0.938	0.096	0.090	57
1/2"-13R (.188)	3.1	0.500	1.20	0.220	0.630	0.188	0.090	25
3/4"-9R	1.98	0.923	2.00	0.688	1.562	0.150	0.134	68
1"-7R (.240)	3.7	1.000	2.40	0.650	1.600	0.240	0.170	52
1"-7R (.300)	4.79	0.875	2.20	0.450	1.550	0.275	0.183	39-41
1-1/2" -6R	2.75	1.330	3.00	1.110	2.313	0.203	0.194	69
1-1/2" -9R	1.31	1.330	3.00	1.125	2.375	0.144	0.134	76
2"-9R	0.99	1.850	4.00	1.563	3.375	0.149	0.134	84
Flattened - Carbon Steel								
1/2" - 13F	1.61	0.500	1.25	0.265	1.000	0.107	0.078	52
3/4"- 9F	1.88	0.923	2.10	0.563	1.688	0.165	0.120	63
1-1/2"- 9F	1.25	1.330	3.20	1.000	2.563	0.158	0.110	75
Stainless Steel - (nominal weight only, no galvanize) #304								
1/2" -13R	1.87	0.480	1.20	0.270	0.830	0.113	0.093	52
3/4"-9R	2.05	0.923	2.00	0.687	1.562	0.160	0.140	67
1-1/2" -9R	1.37	1.330	3.00	1.125	2.500	0.155	0.140	77
Flattened Stainless Steel - (nominal weight only, no galvanize) #304								
1/2" -13R	1.78	0.48	1.26	0.220	0.970	0.128	0.080	47
3/4"-9R	1.95	0.923	2.10	0.562	1.697	0.165	0.119	61
1-1/2" -9R	1.31	1.330	3.15	0.937	2.625	0.165	0.119	75
Aluminum - (nominal weight only, no galvanize)								
1/2" - .081	0.44	0.500	1.20	0.375	0.937	0.096	0.081	60
3/4" - .125	0.65	0.923	2.00	0.687	1.680	0.169	0.125	68
1-1/2"- .125	0.43	1.330	3.00	1.187	2.500	0.162	0.125	79
Flattened Aluminum - (nominal weight only, no galvanize)								
1/2" - .081	0.42	0.500	1.27	0.312	1.000	0.105	0.060	58
3/4" - .125	0.62	0.923	2.13	0.625	1.750	0.187	0.095	62
1-1/2"- .125	0.41	1.330	3.15	1.000	2.750	0.181	0.095	70

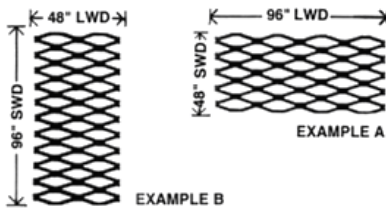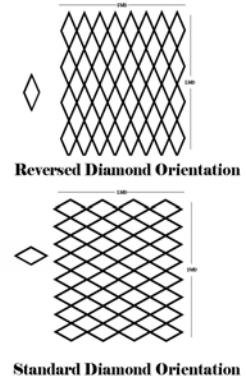# How to order Expanded Metal Mesh Security Panels

In fencing applications, the orientation of the diamonds creates a different look to the final fence.

In addition to the SWD or short way diamond, there is also a measurement known as the LWD (long way of diamond). The orientation of these diamonds impacts the way you order material.

Expanded metal mesh panels can be hung in one of two ways - standard or reversed diamond orientation. SECUREX recommends a reversed diamond orientation for most applications.

For fencing purposes, expanded metal is ordered SWD x LWD. When ordering expanded metal mesh panels, please give the complete style specifications to avoid possible error. Include style, standard or flattened, the type of metal, sheet dimensions and finish.
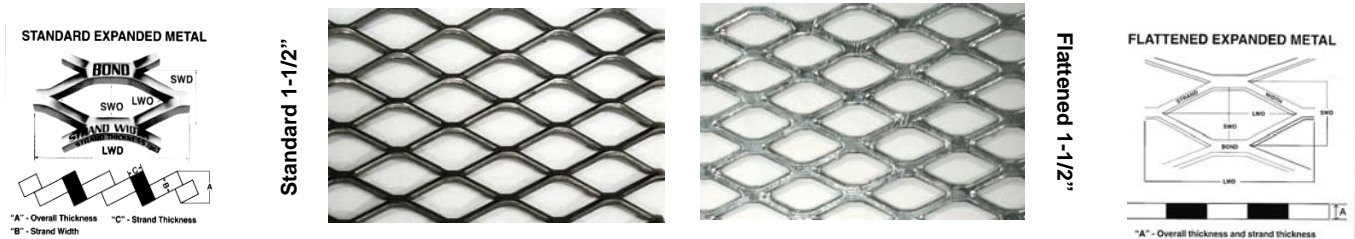
Ordered correctly, a 4' x 8' piece of mesh would look like the reversed diamond orientation piece you see to the right.

Reversed Diamond Orientation

Standard Diamond Orientation

This illustration shows the importance of specifying which dimensions are SWD and LWD.

EXAMPLE A

EXAMPLE B

Standard expanded metal mesh (abbreviated S, Std or R) is expanded metal as it comes off the press. The production method is what gives the metal additional strength and rigidity and is recommended for fence applications.

Flattened expanded metal (abbreviated F) is manufactured by passing the metal through a cold roll reducing mill parallel to the LWD. By flattening the sheet, the bonds and strands are turned down to produce a smooth and flat surface – essentially elongating the LWD of the diamond. This material is best used for barriers, gate applications and interior wall security mesh.

STANDARD EXPANDED METAL

Standard 1-1/2"

Flattened 1-1/2"

FLATTENED EXPANDED METAL

"A" - Overall Thickness   "C" - Strand Thickness
"B" - Strand Width

"A" - Overall thickness and strand thickness

STOCK SIZE SHEETS

STANDARD MESH TOLERANCES
SWD: Plus 3/16" minus 0" per foot of width.
LWD: + 1/2" - 0"

FLATTENED MESH TOLERANCES
SWD: Plus 3/16" minus 0" per foot of width.
LWD: + 3/4" - 0"

CAMBER - Is a bow in the sheet. Measured by placing a straight edge along the concave side of the sheet parallel to LWD, touching both ends of the sheet. The maximum distance between the edge of the expanded metal and the straight edge is the camber.
CAMBER TOLERANCE
Standard expanded metal 1/16" per foot of length.
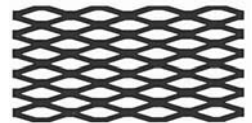**Flattened expanded metal 3/32"** per foot of length.

OUT OF SQUARE - Expanded metal sheets are not perfectly square as manufactured. Stock size sheets and machine run non-standard size sheets will be produced to the following tolerances.

SWD: 1/16" per foot of width.
LWD: 1/16" per foot of length.
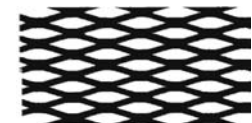
NON-STANDARD SIZES

MACHINE RUN
When tolerances permit, Niles can machine run non-standard sheet sizes to the same tolerances as stock size sheets. Unless otherwise specified, the material will be produced to a plus (+) tolerance however the material can be produced to a minus (-) tolerance if requested.
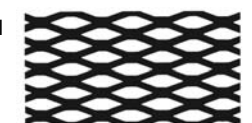
RANDOM SHEARING
Stock size sheets and special sizes should be random sheared when a closer tolerance is desired. Normal mill tolerance for standard and flattened expanded metal is plus (+) or minus (-) 1/16". Material that is random sheared leaves open diamonds in most cases.

BOND SHEARING
When certain applications require closed diamonds and the quantities do not economically justify special mill runs, bond shearing can sometimes be performed, WITHIN LIMITATIONS, resulting in closed diamond edges. Because of the diamond design and angle, standard expanded metal should not be bond sheared SWD and must be machine run to size.

Expanded Metal - Galvanized - Steel - Fencing and Gate Applications

Standard and flattened expanded metal panels are available in several stock sizes and normally ship 24-48 from the day of order. All expanded metal diamond patterns can be produced to custom sizes to meet job requirements. Maximum height per panel is 144". Maximum width on most panels is 96". There is no stocking minimum and panels are available per job lot. Please call your representative for current pricing.

PART #	DESCRIPTION
GALVANIZED EXPANDED METAL SECURITY PANELS - STEEL	
STANDARD - RAISED	
F012013SGALV	1/2 #13 STD GALVANIZED (CUSTOM SIZE)
F012013S57GALV	1/2 #13 STD 60 X 84 GALVANIZED
F012013S48GALV	1/2 #13 STD 48 X 96 GALVANIZED
F012013S58GALV	1/2 #13 STD 60 X 96 GALVANIZED
F012013S68GALV	1/2 #13 STD 72 X 96 GALVANIZED
F012013S510GALV	1/2 #13 STD 60 X 120 GALVANIZED
F012013S610GALV	1/2 #13 STD 72 X 120 GALVANIZED
F034009S56GALV	3/4 #9 STD 60 X 72 GALVANIZED
F034009SGALV	3/4 #9 STD GALVANIZED (CUSTOM SIZE)
F034009S57GALV	3/4 #9 STD 60 X 84 GALVANIZED
F034009S38GALV	3/4 #9 STD 36 X 96 GALVANIZED
F034009S48GALV	3/4 #9 STD 48 X 96 GALVANIZED
F034009S58GALV	3/4 #9 STD 60 X 96 GALVANIZED
F034009S68GALV	3/4 #9 STD 72 X 96 GALVANIZED
F034009S88GALV	3/4 #9 STD 96 X 96 GALVANIZED
F034009S410GALV	3/4 #9 STD 48 X 120 GALVANIZED
F034009S510GALV	3/4 #9 STD 60 X 120 GALVANIZED
F034009S610GALV	3/4 #9 STD 72 X 120 GALVANIZED
F100007SGALV	1 #7 STD GALVANIZED (CUSTOM SIZE)
F100007S48GALV	1 #7 STD 48 X 96 GALVANIZED
F100007S240GALV	1 #7 STD .240 GALVANIZED (CUSTOM SIZE)
F100007S48240LWDGALV	1 #7 STD 48 X 96 .240 LWD GALVANIZED
F100007S300GALV	1 #7 STD 48 X 96 .300 GALVANIZED (CUSTOM SIZE)
F112009SGALV	1-1/2 #9 STD GALVANIZED (CUSTOM SIZE)
F112009S68GALV	1-1/2 #9 STD 72 X 96 GALVANIZED
F112006SGALV	1-1/2 #6 STD GALVANIZED (CUSTOM SIZE)
F012013S188GALV	1/2 #13 STD .188 GALVANIZED (CUSTOM SIZE)
F200009SGALV	2 #9 STD GALVANIZED (CUSTOM SIZE)
FLATTENED	
F012013FGALV	1/2 #13 FLAT GALVANIZED (CUSTOM SIZE)
F012013F48GALV	1/2 #13 FLAT 48 X 96 GALVANIZED
F034009FGALV	3/4 #9 FLAT GALVANIZED (CUSTOM SIZE)
F034009F48GALV	3/4 #9 FLAT 48 X 96 GALVANIZED
F034013FGALV	3/4 #13 FLAT GALVANIZED (CUSTOM SIZE)
F034013F48GALV	3/4 #13 FLAT 48 X 96 GALVANIZED
F034013F510GALV	3/4 #13 FLAT 60 X 120 GALVANIZED

Expanded metal mesh shall be subject to standard manufacturing tolerances. Standard Mesh:+/- 3/16" per foot of width on the SWD, +/- ½"-0" on LWD. Flattened Mesh +/- 3/16" per foot of width on the SWD, +/- ¾" on LWD.

**Niles Fence and Security
1-800-321-7464**

Expanded Metal - Mill Finish - Interior Security Mesh Panels

PART #	DESCRIPTION	PART #	DESCRIPTION
MILL FINISH EXPANDED METAL SECURITY PANELS - STEEL			
FLATTENED		STANDARD - RAISED	
F014018F48	1/4 #18 FLAT 48 X 96	F012013S57	1/2 #13 STD 60 X 84
F012013F48	1/2 #13 FLAT 48 X 96	F012013S48	1/2 #13 STD 48 X 96
F012013F58	1/2 #13 FLAT 60 X 96	F012013S58	1/2 #13 STD 60 X 96
F012013F410	1/2 #13 FLAT 48 X 120	F012013S68	1/2 #13 STD 72 X 96
F012013F510	1/2 #13 FLAT 60 X 120	F012013S410	1/2 #13 STD 48 X 120
F034013F48	3/4 #13 FLAT 48 X 96	F012013S510	1/2 #13 STD 60 X 120
F034013F58	3/4 #13 FLAT 60 X 96	F034013S48	3/4 #13 STD 48 X 96
F034013F410	3/4 #13 FLAT 48 X 120	F034013S410	3/4 #13 STD 48 X 120
F034013F510	3/4 #13 FLAT 60 X 120	F034013S610	3/4 #13 STD 72 X 120
F034009F48	3/4 #9 FLAT 48 X 96	F034009S56	3/4 #9 STD 60 X 72
F034009F58	3/4 #9 FLAT 60 X 96	F034009S48	3/4 #9 STD 48 X 96
F034009F310	3/4 #9 FLAT 36 X 120	F034009S58	3/4 #9 STD 60 X 96
F034009F410	3/4 #9 FLAT 48 X 120	F034009S410	3/4 #9 STD 48 X 120
F034009F510	3/4 #9 FLAT 60 X 120	F034009S510	3/4 #9 STD 60 X 120
F100016F48	1 #16 FLAT 48 X 96	F100007S48	1 #7 STD 48 X 96
F112009F48	1-1/2 #9 FLAT 48 X 96	F112009S48	1-1/2 #9 STD 48 X 96
F112009F58	1-1/2 #9 FLAT 60 X 96	F112009S68	1-1/2 #9 STD 72 X 96
F112009F410	1-1/2 #9 FLAT 48 X 120	F112009S410	1-1/2 #9 STD 48 X 120
F112009F510	1-1/2 #9 FLAT 60 X 120	F112009S610	1-1/2 #9 STD 72 X 120
F034009F	3/4 #9 FLAT (CUSTOM SIZE)	F034009S	3/4 #9 STD (CUSTOM SIZE)
F012013F	1/2 #13 FLAT (CUSTOM SIZE)	F012013S	1/2 #13 STD (CUSTOM SIZE)

Expanded Metal - Black Powder Coated Steel Stock Mesh Panels

PART #	DESCRIPTION
BLACK POWDER COATED EXPANDED METAL SECURITY PANELS - STEEL	
STANDARD - RAISED	
F012013S38BLACKPC	1/2 #13 STD 36 X 96 - BLACK POWDER COATED
F012013S48BLACKPC	1/2 -#13 STD 48 X 96 - BLACK POWDER COATED
F012013S58BLACKPC	1/2 -#13 STD 60 X 96 - BLACK POWDER COATED
F012013S410BLACKPC	1/2 #13 STD 48 X 120 - BLACK POWDER COATED
F034009S56BLACKPC	3/4 #9 STD 60 X 72 - BLACK POWDER COATED
F034009S38BLACKPC	3/4 #9 STD 36 X 96 - BLACK POWDER COATED
F034009S48BLACKPC	3/4 #9 STD 48 X 96 - BLACK POWDER COATED
F034009S58BLACKPC	3/4 #9 STD 60 X 96 - BLACK POWDER COATED
F034009S410BLACKPC	3/4 #9 STD 48 X 120 - BLACK POWDER COATED
F034009S510BLACKPC	3/4 -#9 STD 60 X 120 - BLACK POWDER COATED
F034009S610BLACKPC	3/4 #9 STD 72 X 120 - BLACK POWDER COATED

*Expanded metal mesh shall be subject to standard manufacturing tolerances. Standard Mesh:+/- 3/16" per foot of width
on the SWD, +/- ½"-0" on LWD. Flattened Mesh +/- 3/16" per foot of width on the SWD, +/- ¾" on LWD.*

Expanded Metal - Aluminum and Stainless Steel Stock Panels

PART #	DESCRIPTION
ALUMINUM EXPANDED METAL SECURITY PANELS	
F012081F48	1/2 081 FLAT 48 X 96 ALUM
F012081F410	1/2 081 FLAT 48 X 120 ALUM
F012081S48	1/2 081 STD 48 X 96 ALUM
F034081F48	3/4 081 FLAT 48 X 96 ALUM
F034081S48	3/4 081 STD 48 X 96 ALUM
F034125F48	3/4 125 FLAT 48 X 96 ALUM
F034125F410	3/4 125 FLAT 48 X 120 ALUM
F034125S48	3/4 125 STD 48 X 96 ALUM
F100190S48	1 190 STD 48 X 96 ALUM
F100190S412	1 190 STD 48 X 144 ALUM

PART #	DESCRIPTION
STAINLESS STEEL EXPANDED METAL SECURITY PANELS	
T-304 STAINLESS STEEL	
F012016S48304	1/2 #16 STD 48 X 96 - 304
F012013S48304	1/2 #13 STD 48 X 96 -304
F034013F48304	3/4 #13 FLAT 48 X 96 - 304
F034013F410304	3/4 #13 FLAT 48 X 120 - 304
F034013S48304	3/4 #13 STD 48 X 96 - 304
F034009F48304	3/4 #9 FLAT 48 X 96 -304
F034009F410304	3/4 #9 FLAT 48 X 120 - 304
F034009S48304	3/4 #9 STD 48 X 96 -304
F112009F48304	1-1/2 #9 FLAT 48 X 96 - 304
F112009F410304	1-1/2 #9 FLAT 48 X 120 - 304
T-316 STAINLESS STEEL	
F012016S48316	1/2 #16 STD 48 X 96 - 316
F012013S48316	1/2 #13 STD 48 X 96 - 316
F034013F48316	3/4 #13 FLAT 48 X 96 - 316
F034013S48316	3/4 #13 STD 48 X 96 -316
F034009F48316	3/4 #9 FLAT 48 X 96 -316
F034009S48316	3/4 #9 STD 48 X 96 - 316
F112009F48316	1-1/2 #9 FLAT 48 X 96 - 316

**Aluminum and Stainless Steel stock panels
are available for immediate shipment.**

**Alternate sizes and
thicknesses are available for special order.**
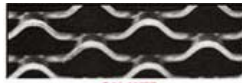
Call for more information and pricing.

Expanded Metal - Architectural Mesh

PART #	DESCRIPTION
ARCHITECTURAL MESH AND CLADDING - STEEL	
F012016SUNSHADE	1/2 #16 SUNSHADE
F112016SUNSHADE	1-1/2 #16 SUNSHADE
F031620LOUVER	3/16 #20 LOUVER
F300VERTEX	3-1/2 X 8 VERTEX
F078016SQUARE	7/8 #16 SQUARE
F058016SQUARE	5/8 #16 SQUARE
F012018GALAXIE	1/2 #18 GALAXIE
F012018VIKING	1/2 #18 VIKING
F014022ECHO	1/4 #22 ECHO
F012016RHYTHM	1/2 #16 RHYTHM
F112016RHYTHM	1-1/2 #16 RHYTHM
F112013RHYTHM	1-1/2 #13 RHYTHM
F112009RHYTHM	1-1/2 #9 RHYTHM
F012016SURF	1/2 #16 SURF
F100016CRESCENDO	1 #16 CRESCENDO

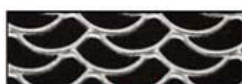| PART #	DESCRIPTION
ARCHITECTURAL MESH AND CLADDING - ALUMINUM	
F112051SUNSHADE	1-1/2 051 SUNSHADE ALUM
F112081SUNSHADE	1-1/2 081 SUNSHADE ALUM
F0316040LOUVER	3/16 040 LOUVER ALUM
F300125VERTEX	3-1/2 X 8 125 VERTEX ALUM
F300190VERTEXMAX	3-1/2 X 8 190 VERTEX ALUM
F078081SQUARE	7/8 081 SQUARE ALUM
F058081SQUARE	5/8 081 SQUARE ALUM
F012051GALAXIE	1/2 051 GALAXIE ALUM
F012040VIKING	1/2 040 VIKING ALUM
F112081RHYTHM	1-1/2 081 RHYTHM ALUM
F112125RHYTHM	1-1/2 125 RHYTHM ALUM
F012081SURF	1/2 081 SURF ALUM
F012081CRESCENDO	1/2 081 CRESCENDO ALUM
F100081CRESCENDO	1 081 CRESCENDO ALUM
F100125CRESCENDO	1 125 CRESCENDO ALUM

ECHO

GALAXIE

SUNSHADE

LOUVER

SQUARE

RHYTHM

SURF

VIKING

CRESCENDO

Expanded Metal - Security Cage Panels and Doors - Interior

Security cage panels and partitions are welded into angle iron frames which are pre-drilled to align with our standard 2" square frame posts. All posts have the floor flange already welded and are ready for immediate installation.
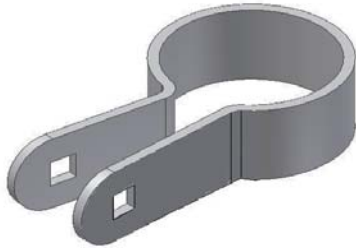
HEIGHT	8' 3-1/4"		10' 3-1/4"	
PANELS	#	wt	#	wt
10' WIDE	SP40X	105	SP50X	126
9' WIDE	SP49X	95	SP59X	115
8' WIDE	SP48X	86	SP58X	104
7' WIDE	SP47X	75	SP57X	90
6' WIDE	SP46X	66	SP56X	79
5' WIDE	SP45X	54	SP55X	65
4' WIDE	SP44X	45	SP54X	54
3' WIDE	SP43X	36	SP53X	43
2' WIDE	SP42X	27	SP52X	32
1' WIDE	SP41X	18	SP51X	21
	USE 2 PANELS (STACKED) BETWEEN POSTS			
POSTS	#	wt	#	wt
90º CORNER	SPTC01	16	SPTC02	20
LINE	SPTL01	16	SPTL02	20
SWING DOOR	SPTHD01	16	SPTHD02	20
SLIDE DOOR	SPTSD01	16	SPTSD02	20
3-WAY POST	SPTT01	16	SPTT02	20
	EACH POST INCLUDE QTY 2, 3/8" X 3" WEDGE FLOOR ANCHORS			
SWING DOORS	#	wt	#	wt
7' HIGH X 3' WIDE	SHD38X	98	SHD30X	112
7' HIGH X 4' WIDE	SHD48X	122	SHD40X	141
	INCL. 1' TRANSOM PANEL		*INCL. 3' TRANSOM PANEL*	
SLIDE DOORS	#	wt	#	wt
3' WIDE	SSD38X	129	SSD30X	147
4' WIDE	SSD48X	152	SSD40X	174
5' WIDE	SSD58X	192	SSD50X	218
8' WIDE	SSD88X	311	SSD80X	353
10' WIDE	SSD08X	372	SSD00X	423
	FULL HT DOOR (NO TRANSOM)		*FULL HT DOOR (NO TRANSOM)*	
LOCK OPTIONS	#	wt	#	wt
SWING DOOR	SWPLAR	1	H2	2
SLIDE DOOR	SDPLAR	6	S2	2
	PADLOCK ARRANGEMENT		*CYLINDER LOCK - KEYED DIFFERENT*	

Standard cage panels include 3/4 #9 raised expanded metal and are powder coated gray. Cage panels are also available in 1/2 #13 expanded metal diamond pattern and in alternate coatings. Please call for pricing, quotes and assistance with design layout and applications.
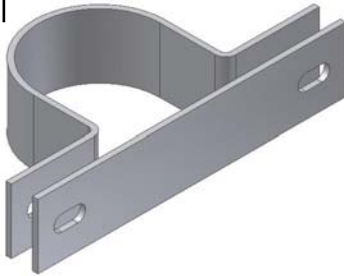
RETRO BANDS
For use with all Securex and Retro Fit round rail fence frameworks

- Retro Bands are approximately 7/8" longer than industrial tension bands and are used to attach expanded metal mesh to terminal posts.
- Fittings are available in standard or heavy duty grade, galvanized or black powder coated. Vinyl coated fittings and alternate colors are available upon request.
- For estimating, use one band less than the height of the fence. Use (1) 3/8" x 2" bolt for regular grade fittings or use (1) 5/8" x 2" bolt for heavy duty grade. Nuts and bolts do not ship with fittings.
- All fittings are also available in Niles standard green powder coat. Please add a "G" before the code number.

PART #	DESCRIPTION
STANDARD FITTINGS - 11GA	
RETRO BAND15	BAND FOR ROUND RAIL 1-5/8" - 11GA - REGULAR - GALVANIZED
RETRO BAND2	BAND FOR ROUND RAIL 2"- 11GA - REGULAR - GALVANIZED
RETRO BAND25	BAND FOR ROUND RAIL 2-1/2"- 11GA - REGULAR - GALVANIZED
RETRO BAND3	BAND FOR ROUND RAIL 3"- 11GA - REGULAR - GALVANIZED
RETRO BAND35	BAND FOR ROUND RAIL 3-1/2"- 11GA - REGULAR - GALVANIZED
RETRO BAND4	BAND FOR ROUND RAIL 4"- 11GA - REGULAR - GALVANIZED
RETRO BAND45	BAND FOR ROUND RAIL 4-1/2"- 11GA - REGULAR - GALVANIZED
RETRO BAND6	BAND FOR ROUND RAIL 6-5/8"- 11GA - REGULAR - GALVANIZED
RETRO BAND8	BAND FOR ROUND RAIL 8-5/8" - 11GA - REGULAR - GALVANIZED
BRETRO BAND15	BAND FOR ROUND RAIL 1-5/8"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND2	BAND FOR ROUND RAIL 2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND25	BAND FOR ROUND RAIL 2-1/2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND3	BAND FOR ROUND RAIL 3"-11GA - REGULAR - BLACK POWDER COATED
RETRO BAND35	BAND FOR ROUND RAIL 3-1/2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND4	BAND FOR ROUND RAIL 4"-11GA - REGULAR - BLACK POWDER COATED
RETRO BAND45	BAND FOR ROUND RAIL 4-1/2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND6	BAND FOR ROUND RAIL 6-5/8"-11GA - REGULAR - BLACK POWDER COATED
BRETRO BAND8	BAND FOR ROUND RAIL 8-5/8" - 11GA - REGULAR - BLACK POWDER COATED
HEAVY DUTY FITTINGS - 10GA	
HRETRO BAND2	BAND FOR ROUND RAIL 2"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND25	BAND FOR ROUND RAIL 2-1/2"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND3	BAND FOR ROUND RAIL 3"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND35	BAND FOR ROUND RAIL 3-1/2"-10GA- HVY DUTY- GALVANIZED
HRETRO BAND4	BAND FOR ROUND RAIL 4"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND45	BAND FOR ROUND RAIL 4-1/2"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND5	BAND FOR ROUND RAIL 5"-10GA - HVY DUTY - GALVANIZED
HRETRO BAND6	BAND FOR ROUND RAIL 6-5/8"-10GA - HVY DUTY - GALVANIZED
BHRETRO BAND8	BAND FOR ROUND RAIL 8-5/8" -10GA - HVY DUTY - GALVANIZED
BHRETRO BAND2	BAND FOR ROUND RAIL 2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND25	BAND FOR ROUND RAIL 2-1/2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND3	BAND FOR ROUND RAIL 3"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND35	BAND FOR ROUND RAIL 3-1/2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND4	BAND FOR ROUND RAIL 4"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND45	BAND FOR ROUND RAIL 4-1/2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND5	BAND FOR ROUND RAIL 5"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND6	BAND FOR ROUND RAIL 6-5/8"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO BAND8	BAND FOR ROUND RAIL 8-5/8"-10GA - HVY DUTY - BLACK POWDER COATED

RETRO C-CLAMPS
For use with all Securex and Retro-Fit round rail fence frameworks

- Retro C-Clamps attach expanded metal panels to both line posts and rails.
- Fittings are available in standard or heavy duty grade, galvanized or black powder coated. Vinyl coated fittings and alternate colors are available upon request.
- For estimating on line posts, use two clamps less than the height of the fence. On rails, space clamps every 12-15". Use (2) 3/8" x 2" bolt for regular grade fittings or use (2) 5/8" x 2" bolt for heavy duty grade. Nuts and bolts do not ship with fittings.
- All fittings are also available in Niles standard green powder coat. Please add a "G" before the code number.

PART #	DESCRIPTION
STANDARD FITTINGS - 11GA	
RETRO C-CLAMP15	C-CLAMP FOR ROUND 1-5/8"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP2	C-CLAMP FOR ROUND 2"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP25	C-CLAMP FOR ROUND 2-1/2"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP3	C-CLAMP FOR ROUND 3"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP35	C-CLAMP FOR ROUND 3-1/2" - 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP4	C-CLAMP FOR ROUND 4"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP45	C-CLAMP FOR ROUND 4-1/2" - 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP6	C-CLAMP FOR ROUND 6-5/8"- 11GA - REGULAR - GALVANIZED
RETRO C-CLAMP8	C-CLAMP FOR ROUND 8-5/8"-11GA - REGULAR - GALVANIZED
BRETRO C-CLAMP15	C-CLAMP FOR ROUND 1-5/8"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP2	C-CLAMP FOR ROUND 2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP25	C-CLAMP FOR ROUND 2-1/2"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP3	C-CLAMP FOR ROUND 3"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP35	C-CLAMP FOR ROUND 3-1/2" - 11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP4	C-CLAMP FOR ROUND 4"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP45	C-CLAMP FOR ROUND 4-1/2" - 11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP6	C-CLAMP FOR ROUND 6-5/8"-11GA - REGULAR - BLACK POWDER COATED
BRETRO C-CLAMP8	C-CLAMP FOR ROUND 8-5/8"-11GA - REGULAR - BLACK POWDER COATED
HEAVY DUTY FITTINGS - 10GA	
HRETRO C-CLAMP15	C-CLAMP FOR ROUND 1-5/8"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP2	C-CLAMP FOR ROUND 2"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP25	C-CLAMP FOR ROUND 2-1/2"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP3	C-CLAMP FOR ROUND 3"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP35	C-CLAMP FOR ROUND 3-1/2" - 10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP4	C-CLAMP FOR ROUND 4"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP45	C-CLAMP FOR ROUND 4-1/2"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP5	C-CLAMP FOR ROUND 5"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP6	C-CLAMP FOR ROUND RAIL 6-5/8"-10GA - HVY DUTY - GALVANIZED
HRETRO C-CLAMP8	C-CLAMP FOR ROUND RAIL 8-5/8"-10GA - HVY DUTY - GALVANIZED
BHRETRO C-CLAMP15	C-CLAMP FOR ROUND 1-5/8"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP2	C-CLAMP FOR ROUND 2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP25	C-CLAMP FOR ROUND 2-1/2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP3	C-CLAMP FOR ROUND 3"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP35	C-CLAMP FOR ROUND 3-1/2" - 10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP4	C-CLAMP FOR ROUND 4"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP45	C-CLAMP FOR ROUND 4-1/2"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP5	C-CLAMP FOR ROUND 5"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP6	C-CLAMP FOR ROUND 6-5/8"-10GA - HVY DUTY - BLACK POWDER COATED
BHRETRO C-CLAMP8	C-CLAMP FOR ROUND RAIL 8-5/8"-10GA - HVY DUTY - BLACK POWDER COATED

SECUREX Fence Fittings
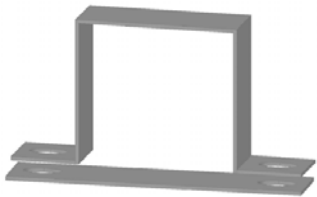# Retro Fit Fence Fittings

RETRO CLAMPS
For use with all Securex and Retro-Fit round rail fence frameworks
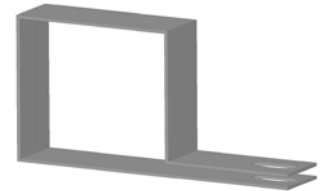
- Retro Clamps are used to join expanded metal panels to each other or tension wire.
- Fittings are available in standard or heavy duty grade, galvanized or black powder coated. Vinyl coated fittings and alternate colors are available upon request.
- For estimating, use one band less than the height of the fence. Use (2) 3/8" x 2" bolt for regular grade fittings or use (2) 5/8" x 2" bolt for heavy duty grade. Nuts and bolts do not ship with fittings.
- All fittings are also available in Niles standard green powder coat. Please add a "G" before the code number.

PART #	DESCRIPTION
STANDARD FITTINGS - 11GA	
RETRO CLAMPS	BAR CLAMP - SMALL- PAIR- 11GA - REGULAR - GALVANIZED
BRETRO CLAMPS	BAR CLAMP - SMALL- PAIR -11GA - REGULAR - BLACK POWDER COATED
HEAVY DUTY FITTINGS - 10GA	
HRETRO CLAMPS	BAR CLAMP - SMALL- PAIR-10GA - HVY DUTY - GALVANIZED
BHRETRO CLAMPS	BAR CLAMP - SMALL- PAIR -10GA - HVY DUTY - BLACK POWDER COATED

RETRO FIT CLAMPS AND BANDS FOR SQUARE
AND SPECIALTY POSTS AND RAILS

PART #	DESCRIPTION
STANDARD FITTINGS - 11GA	
RETRO SQBAND2	BAND FOR SQUARE 2" -11GA - REGULAR - GALVANIZED
RETRO SQBAND25	BAND FOR SQUARE 2-1/2" - 11GA - REGULAR - GALVANIZED
RETRO SQBAND3	BAND FOR SQUARE 3" -11GA - REGULAR - GALVANIZED
RETRO SQBAND35	BAND FOR SQUARE 3-1/2" - 11GA - REGULAR - GALVANIZED
RETRO SQBAND4	BAND FOR SQUARE 4" -11GA - REGULAR - GALVANIZED
RETRO SQBAND6	BAND FOR SQUARE 6" -11GA - REGULAR - GALVANIZED
RETRO SQCH-CLAMP	CLAMP FOR SQUARE 1-5/8"- 11GA - REGULAR - GALVANIZED
RETRO SQCLAMP2	CLAMP FOR SQUARE 2"-11GA - REGULAR - GALVANIZED
RETRO SQCLAMP25	CLAMP FOR SQUARE 2-1/2" X 2-1/2" - 11GA - REGULAR - GALVANIZED
RETRO SQCLAMP3	CLAMP FOR SQUARE 3"-11GA - REGULAR - GALVANIZED
RETRO SQCLAMP4	CLAMP FOR SQUARE 4"-11GA - REGULAR - GALVANIZED
RETRO SQCLAMP6	CLAMP FOR SQUARE 6"-11GA - REGULAR - GALVANIZED
RETRO SRHCLAMP25	CLAMP FOR SR. H POST 2-1/4" X 1-7/8" - 11GA - REGULAR - GALVANIZED
RETRO STDC-CLAMP	CLAMP FOR STD. C POST 1.875" X 1.625" - 11GA - REGULAR - GALVANIZED
RETRO RGCLAMP15	SUPER C - CLAMP FOR 1-5/8" X 1-1/4" CHANNEL RAIL - GALVANIZED
RETRO RGCLAMP3	SUPER C - CLAMP FOR 3.25" X 2.50" -11GA - REGULAR - GALVANIZED
RETRO C-CLAMP32	CLAMP FOR POST OR RAIL 3" X 2" - 11GA - REGULAR - GALVANIZED

Diamond Fence Fittings

- Diamond fittings ship galvanized unless otherwise requested. All fittings are available in black or green powder coat. Please specify "B" or "G" in front of the part number when ordering.
- Diamond fittings use 5/16" x 2" nuts and bolts. Nuts and bolts do not ship with fittings and can be ordered separately.

Diamond Post Clamp Sets - used to attach top, mid and bottom rails to posts

PART #	DESCRIPTION
PCSET278RHDG	DIAMOND 3" POST CLAMP SET - STEEL - GALVANIZED
PCSET400RHDG	DIAMOND 4" POST CLAMP SET - STEEL - GALVANIZED

Diamond Bands - used to attach top, mid and bottom line rails to posts

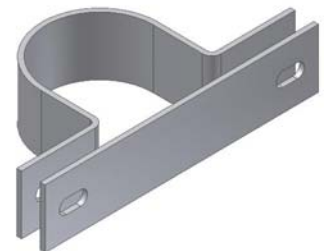| PART #	DESCRIPTION
BAND25	DIAMOND 2-1/2" BAND - STEEL - GALVANIZED
BAND3	DIAMOND 3" BAND - STEEL - GALVANIZED
BAND4	DIAMOND 4" BAND - STEEL - GALVANIZED

Diamond Line Rails - 1-5/8" x 13/16" c-channel line rail. Use as top, mid or bottom rail where required.

PART #	DESCRIPTION
LR10	DIAMOND LINE RAIL 1-5/8" X 13/16" X 120" - GALVANIZED
LR8	DIAMOND LINE RAIL 1-5/8" X 13/16" X 96" - GALVANIZED

Diamond C-Clamp Assembly - used to attach expanded metal panels to line posts.

PART #	DESCRIPTION
CCLAMP25	DIAMOND 2-1/2" C-CLAMP - STEEL - GALVANIZED
PC278CHDG	DIAMOND 3" C-CLAMP - STEEL - GALVANIZED
PC400CHDG	DIAMOND 4" C-CLAMP - STEEL - GALVANIZED
CB725HDG	DIAMOND CLAMP BAR (7-1/4") - STEEL - GALVANIZED

Diamond End Tensioner - used to attach expanded metal panels to terminal posts. Used in conjunction with latch clamps.

PART #	DESCRIPTION
TEN25	DIAMOND 2-1/2" END TENSIONER - STEEL - GALVANIZED
TEN3	DIAMOND 3" END TENSIONER -STEEL- GALVANIZED
TEN4	DIAMOND 4" END TENSIONER - STEEL - GALVANIZED

Diamond Latch Clamps - used to attach expanded metal panels to line rails and used at terminal posts with tensioners. Install every 12-15 inches on rails.

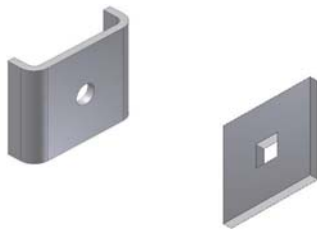| PART #	DESCRIPTION
LC3HDG	DIAMOND LATCH CLAMP - STEEL - GALVANIZED

Diamond Fence Fittings

- Diamond fittings ship galvanized unless otherwise requested. All fittings are available in black or green powder coat. Please specify "B" or "G" in front of the part number when ordering.
- Diamond fittings use 5/16" x 2" nuts and bolts. Nuts and bolts do not ship with fittings and can be ordered separately.

Diamond Clamp Bars - used to join expanded metal panels to each other.

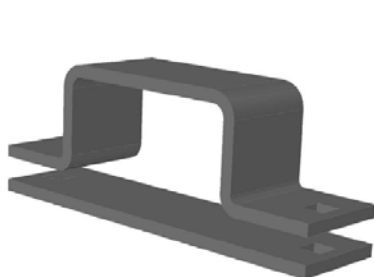| PART #	DESCRIPTION
CB725HDG	DIAMOND CLAMP BAR (7-1/4") - STEEL - GALVANIZED

Diamond Washers (Square and U) - square washers are used with bands, post clamp sets and tensioners. U-washers are used with latch clamps to lock expanded metal into line rails.

PART #	DESCRIPTION
G-W100SQHDG	DIAMOND 1" SQUARE WASHER - GALVANIZED
UW158SQ	DIAMOND 1-5/8" U WASHER - GALVANIZED

Super C Fence and Fittings

PART #	DESCRIPTION
SUPER C FRAMEWORK AND FITTINGS	
COVERSTRAP	SUPER C COVERSTRAP - GALVANIZED
SCBOULEVARDS	SUPER C BOULEVARDS - GALVANIZED
SCBARBARM	SUPER C BARBARM - GALVANIZED
SCREC	SUPER C RAIL ENDS - 1 HOLE - GALVANIZED
SCSLEEVES	SUPER C RAIL SLEEVES FOR 1-5/8 RAIL - GALVANIZED
SCPOST	SUPER C POST - .150 HEAVY WALL - GALVANIZED
SCRAIL24	SUPER C RAIL - 1-5/8" - GALVANIZED
RETRO RGCLAMP15	SUPER C - CLAMP FOR 1-5/8" X 1-1/4" CHANNEL RAIL - GALVANIZED
RETRO RGCLAMP3	SUPER C - CLAMP FOR 3.25" X 2.50" -11GA - REGULAR - GALVANIZED
CB45	SUPER C - 4-1/2" BOLT, NUT AND WASHER SET - SOLD SEPERATELY
RETRO CLAMPS	BAR CLAMP - SMALL - PAIR - 11GA - REGULAR- GALVANIZED

OFFSET LINE RAIL CLAMPS (BOULEVARDS) - use with all SECUREX and Retro Fit round framework to set rails flush to the attack side of the fence. Also available in 12ga and specialty sizes by request. Boulevards do not ship with nuts or bolts.

PART #	DESCRIPTION
STANDARD FITTINGS - 14GA	
OSLRC615	OFFSET LINE RAIL CLAMP 6-5/8" X 1-5/8" - 14GA - GALVANIZED
OSLRC4515	OFFSET LINE RAIL CLAMP 4-1/2" X 1-5/8" - 14GA - GALVANIZED
OSLRC415	OFFSET LINE RAIL CLAMP 4" X 1-5/8" - 14GA - GALVANIZED
OSLRC35158	OFFSET LINE RAIL CLAMP 3-1/2" X 1-5/8" - 14GA - GALVANIZED
OSLRC3158	OFFSET LINE RAIL CLAMP 3" X 1-5/8" - 14GA - GALVANIZED

SECURITY EXTRAS AND MISCELLANEOUS - Call for information on alternate sizes and finishes.

PART #	DESCRIPTION
SECURITY FENCING - NUTS AND BOLTS	
CB-3114	3/8" X 1-1/4" CARRIAGE BOLT WITH NUT
CB-3212	3/8" X 2-1/2" CARRIAGE BOLT WITH NUT
CB-5114H	5/16" X 1-1/4" CARRIAGE BOLT WITH NUT
CB3200	3/8" X 2" CARRIAGE BOLT WITH NUT
CB382BAZ	3/8" X 2" CARRIAGE BOLT WITH BREAKAWY NUT - ZINC
CB5162	5/16" X 2" CARRIAGE BOLT WITH NUT
CB5162BA	5/16" X 2" CARRIAGE BOLT WITH BREAKAWAY NUT - ZINC
CB5162BASS	5/16" X 2" CARRIAGE BOLT WITH BREAKAWAY NUT - STAINLESS STEEL
BANUT516	5/16" BREAKAWAY NUT - ZINC
CBBA38NUT	3/8-16 BREAKAWAY NUT - ZINC
CBBA38NUTSS	3/8-16 BREAKAWAY NUT - STAINLESS STEEL
GRB582	5/8" X 2" GUARD RAIL BOLT
RZSSHELA24	RAZOR WIRE 24" HELA COIL - STAINLESS, STAINLESS W/ TIES
SECURITY MESH - INTERIOR	
SECUREX2375CLIP	SECUREX 2.375" ROUND CLIPS FOR SECURITY MESH - BOX 1000
SECUREX3CLIP	SECUREX 3" SQUARE CLIPS FOR SECURITY MESH - BOX 500
SECURITY MESH - EXTERIOR/INTERIOR	
WS034009F4	WALL SPIKE - 3/4 #9 FLAT 48" WIDE
WS034009F5	WALL SPIKE - 3/4 #9 FLAT 60" WIDE
US034009F4	BIRD SPIKE - 3/4 #9 FLAT 48" WIDE
US034009F5	BIRD SPIKE - 3/4 #9 FLAT 60" WIDE
F400U12	#400 12FT U-EDGING - 18GA - MILL FINISH
F400U12GALV	#400 12FT U-EDGING - 18GA - GALVANIZED
F401U12	#401 12FT U-EDGING - 18GA - MILL FINISH
F401U12GALV	#401 12FT U-EDGING - 18GA - GALVANIZED
SECURITY CAGES	
GBC-205B	END RAIL CLAMP 2" X 1-5/8" - SECURITY CAGE ROOF CLAMP
FF25	FLOOR FLANGE 2-1/2" - GALVANIZED - SECURITY CAGE

Niles Fence and Security, LLC

SECURE X

Niles Fence and Security
301 N. Pleasant Avenue, Niles, Ohio 44446
info@nilesfence.com   800-321-7464   f:330-299-0329
WWW.NILESFENCE.COM

SECURE X

NILES

| Securex Fencing | Retro Fit Fencing | Super C Fencing | Diamond Fencing | Security Cages |